

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009649.D
 Acq On : 17 May 2019 08:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:21:30 PM

Quant Time: May 17 09:02:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	154444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254938	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106839	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	5.49	113	79621	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	8.71	98	310758	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.13	95	118196	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58527	41.123	ug/l	100
3) Chloromethane	1.32	50	91993	47.344	ug/l	99
4) Vinyl Chloride	1.41	62	91461	48.271	ug/l	99
5) Bromomethane	1.64	94	60105	52.851	ug/l	98
6) Chloroethane	1.71	64	59197	48.662	ug/l	99
7) Trichlorofluoromethane	1.92	101	116808	50.717	ug/l	98
8) Diethyl Ether	2.19	74	56085	51.409	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69724	48.208	ug/l	100
10) Methyl Iodide	2.51	142	87720	51.998	ug/l	99
11) Tert butyl alcohol	3.06	59	129462	265.275	ug/l	100
12) 1,1-Dichloroethene	2.37	96	72335	49.916	ug/l	99
13) Acrolein	2.29	56	93381	211.281	ug/l	99
14) Allyl chloride	2.73	41	170107	48.168	ug/l	99
15) Acrylonitrile	3.14	53	316180	264.969	ug/l	100
16) Acetone	2.45	43	278788	246.258	ug/l	97
17) Carbon Disulfide	2.57	76	188906	46.431	ug/l	99
18) Methyl Acetate	2.78	43	144164	53.546	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	296889	52.758	ug/l	99
20) Methylene Chloride	2.85	84	89658	48.913	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	78670	50.058	ug/l	96
22) Diisopropyl ether	3.85	45	357280	52.606	ug/l	98
23) Vinyl Acetate	3.81	43	1552345	266.924	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172479	51.481	ug/l	100
25) 2-Butanone	4.67	43	469547	266.902	ug/l	98
26) 2,2-Dichloropropane	4.58	77	71091	28.507	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	95503	50.911	ug/l	95
28) Bromochloromethane	5.02	49	59129	43.485	ug/l	99
29) Tetrahydrofuran	5.13	42	311469	275.133	ug/l	98
30) Chloroform	5.21	83	158792	52.403	ug/l	100
31) Cyclohexane	5.57	56	154596	49.597	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	130843	51.871	ug/l	99
36) 1,1-Dichloropropene	5.80	75	117284	49.504	ug/l	100
37) Ethyl Acetate	4.84	43	175052	53.031	ug/l	99
38) Carbon Tetrachloride	5.79	117	108018	50.182	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136042	46.757	ug/l	98
40) Benzene	6.14	78	369296	50.366	ug/l	99
41) Methacrylonitrile	5.04	41	101153	51.478	ug/l	99
42) 1,2-Dichloroethane	6.19	62	137006	52.090	ug/l	99
43) Isopropyl Acetate	6.45	43	282941	53.587	ug/l	99
44) Trichloroethene	7.21	130	86844	48.993	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106260	51.181	ug/l	98
46) Dibromomethane	7.66	93	61179	50.744	ug/l	99
47) Bromodichloromethane	7.90	83	125008	51.979	ug/l	97
48) Methyl methacrylate	7.77	41	142172	54.273	ug/l	98
49) 1,4-Dioxane	7.74	88	52598	990.090	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	953656	276.329	ug/l	99
52) Toluene	8.78	92	223556	50.158	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	132490	48.795	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	145112	48.285	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	93373	51.351	ug/l	98
56) Ethyl methacrylate	9.18	69	174488	53.757	ug/l	99
57) 1,3-Dichloropropane	9.37	76	163580	51.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	382933	222.388	ug/l	100
59) 2-Hexanone	9.49	43	739140	272.695	ug/l	98
60) Dibromochloromethane	9.58	129	94209	53.047	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94950	51.730	ug/l	100
64) Tetrachloroethene	9.34	164	83577	51.729	ug/l	99
65) Chlorobenzene	10.13	112	235438	49.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	87603	51.283	ug/l	100
67) Ethyl Benzene	10.25	91	436534	50.341	ug/l	100
68) m/p-Xylenes	10.36	106	322226	101.686	ug/l	99
69) o-Xylene	10.70	106	158258	50.618	ug/l	99
70) Styrene	10.71	104	279165	51.373	ug/l	99
71) Bromoform	10.85	173	74204	53.454	ug/l #	99
73) Isopropylbenzene	11.02	105	420628	48.987	ug/l	99
74) N-amyl acetate	10.90	43	261897	52.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160002	49.986	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	136927m	49.991	ug/l	
77) Bromobenzene	11.26	156	106269	49.863	ug/l	99
78) n-propylbenzene	11.36	91	484224	49.379	ug/l	100
79) 2-Chlorotoluene	11.42	91	293428	48.501	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	356618	49.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	45499	42.503	ug/l	97
82) 4-Chlorotoluene	11.51	91	337865	49.433	ug/l	99
83) tert-Butylbenzene	11.77	119	342883	48.752	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	363501	50.090	ug/l	100
85) sec-Butylbenzene	11.94	105	411947	49.404	ug/l	100
86) p-Isopropyltoluene	12.06	119	371567	49.567	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	186522	49.094	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	188288	49.157	ug/l	99
89) n-Butylbenzene	12.38	91	333014	49.151	ug/l	100
90) Hexachloroethane	12.60	117	65625	51.386	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	192089	49.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36905	51.395	ug/l	97

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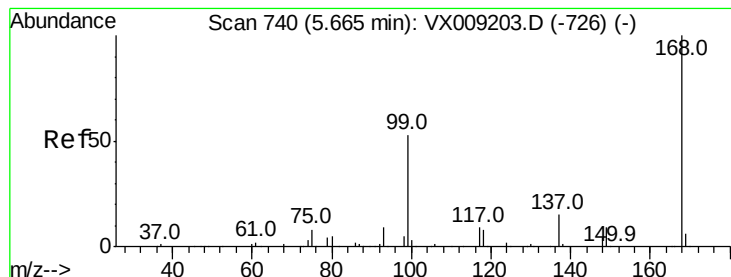
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131297	49.616	ug/l	99
94) Hexachlorobutadiene	13.78	225	65689	48.610	ug/l	98
95) Naphthalene	13.83	128	436624	50.715	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134832	50.265	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 154444

Ion Ratio Lower Upper

168 100

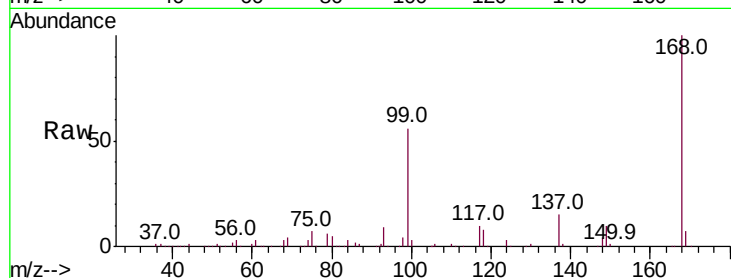
99 56.2 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

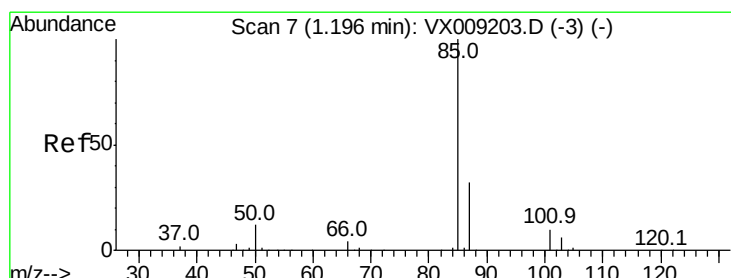
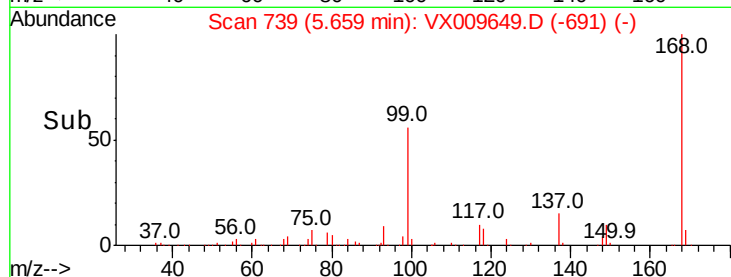
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.123 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009649.D

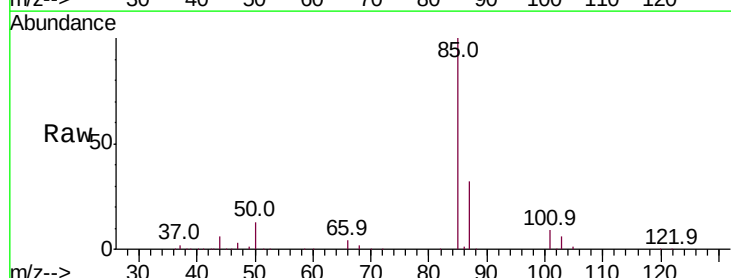
Acq: 17 May 2019 08:20

Tgt Ion: 85 Resp: 58527

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

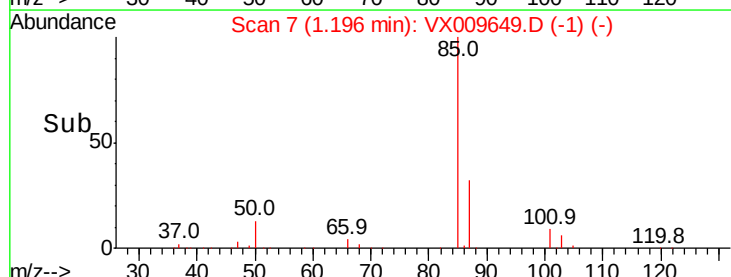
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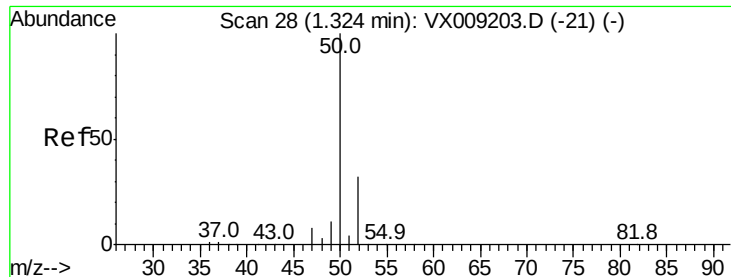
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.344 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 91993

Ion Ratio Lower Upper

50 100

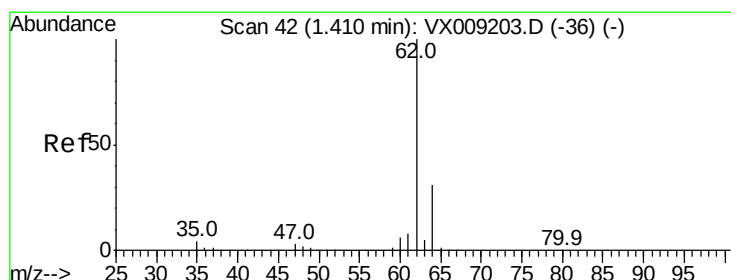
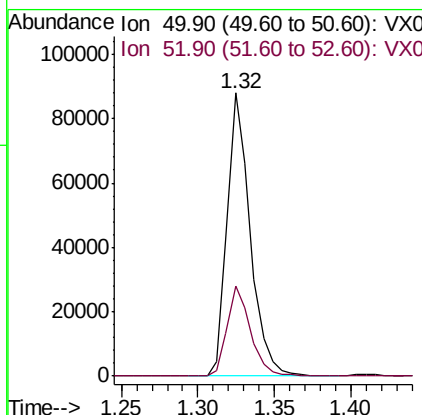
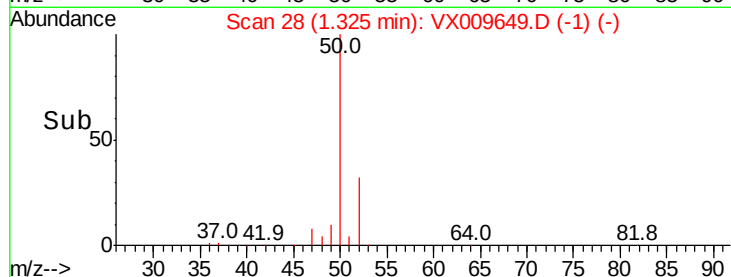
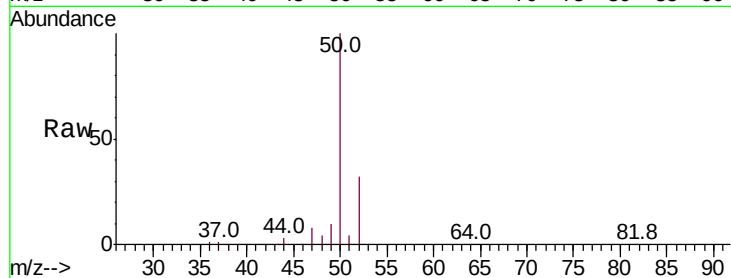
52 31.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.271 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009649.D

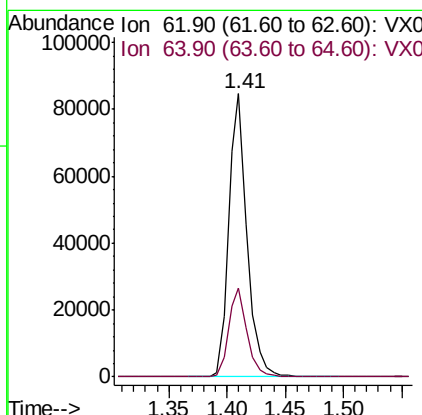
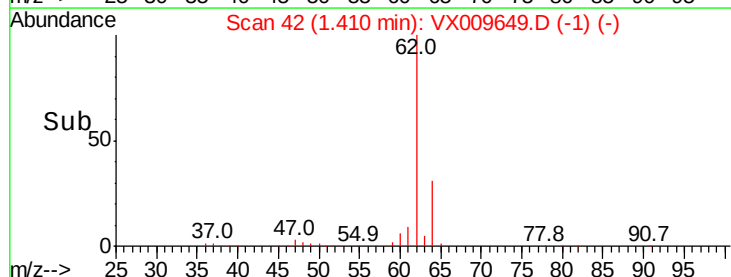
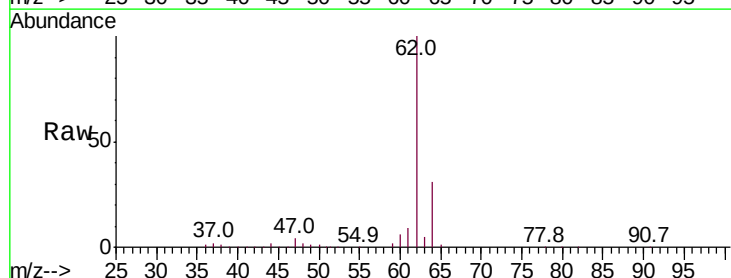
Acq: 17 May 2019 08:20

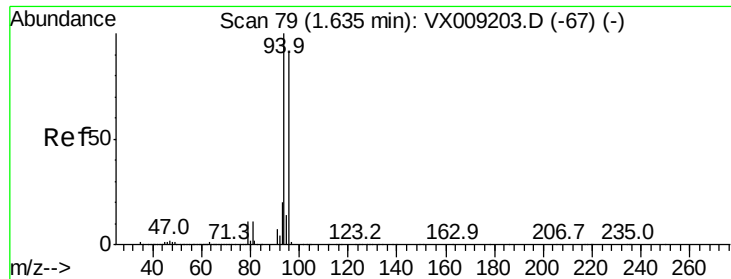
Tgt Ion: 62 Resp: 91461

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 52.851 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60105

Ion Ratio Lower Upper

94 100

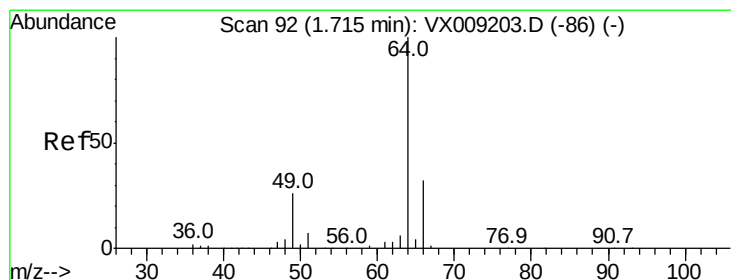
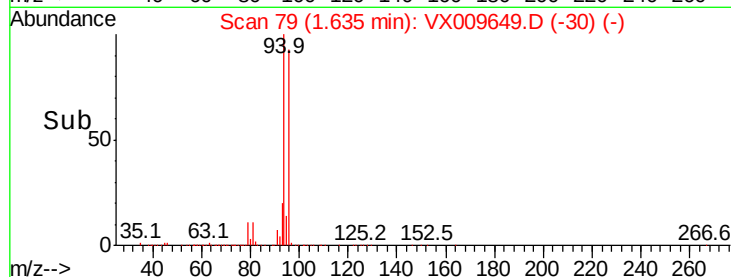
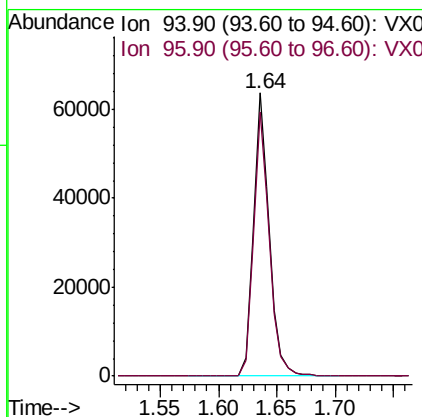
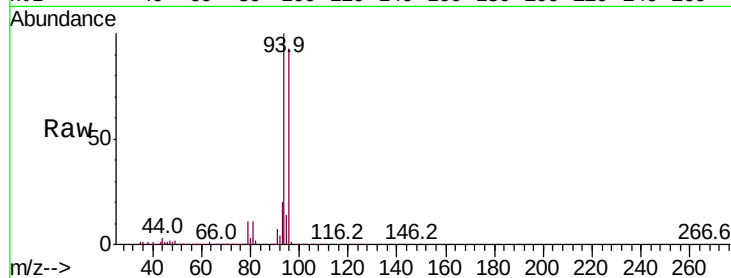
96 93.4 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 48.662 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009649.D

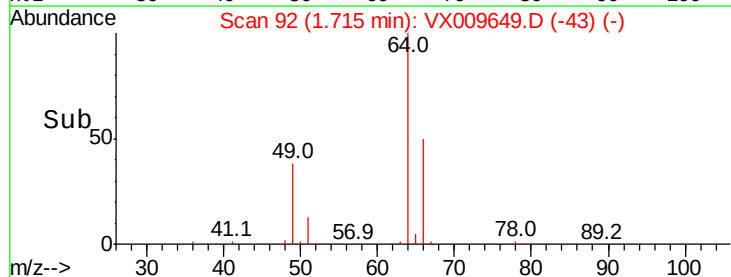
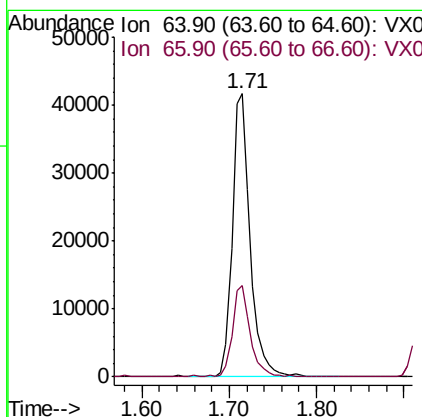
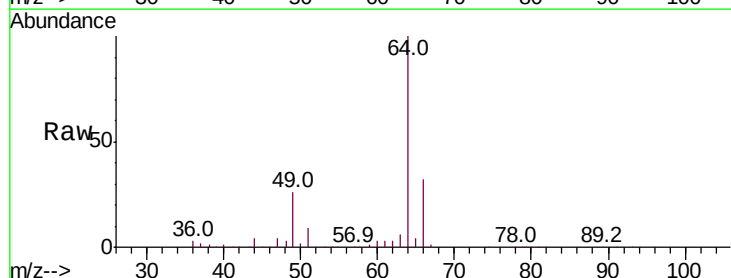
Acq: 17 May 2019 08:20

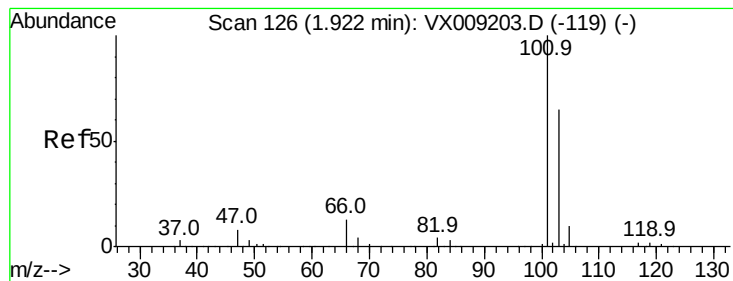
Tgt Ion: 64 Resp: 59197

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





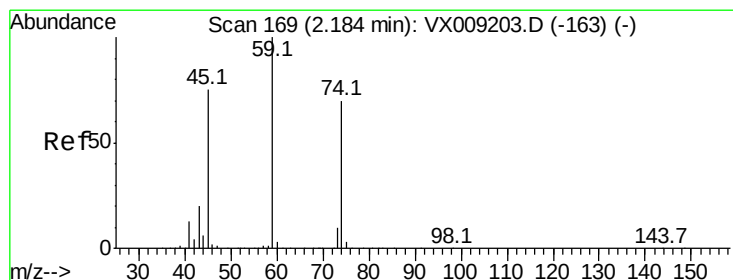
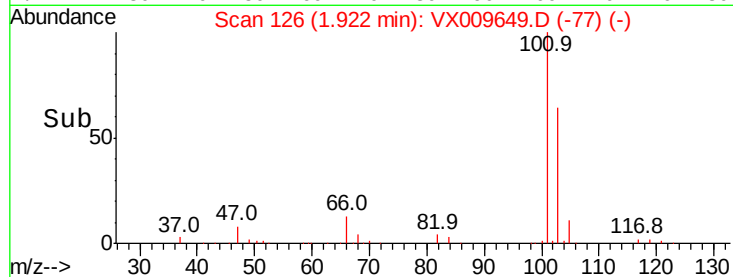
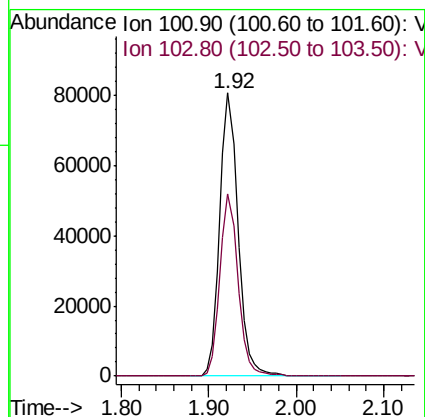
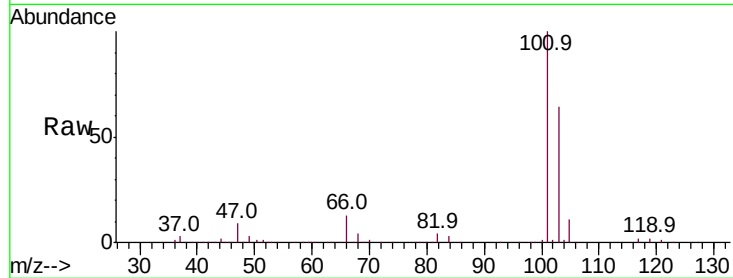
#7
 Trichlorofluoromethane
 Concen: 50.717 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 116808
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.4 78.6

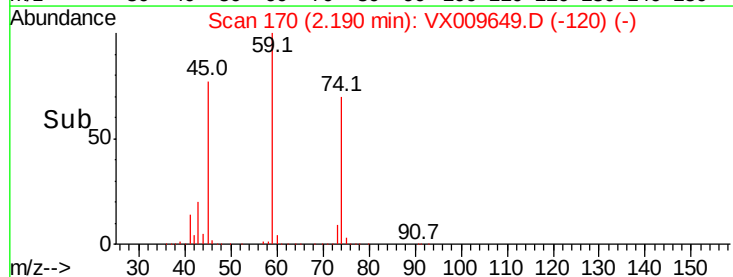
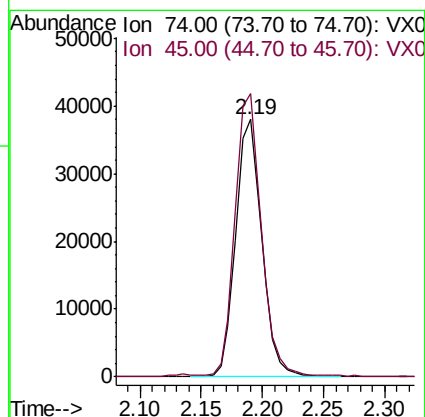
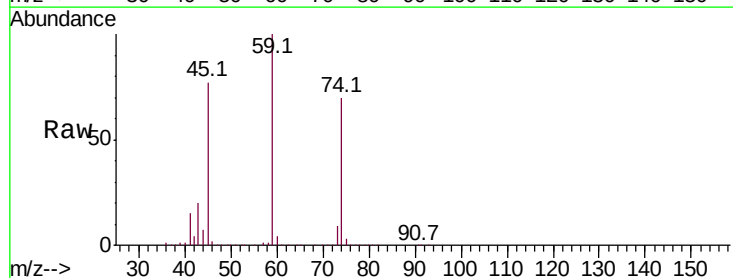
Manual Integrations
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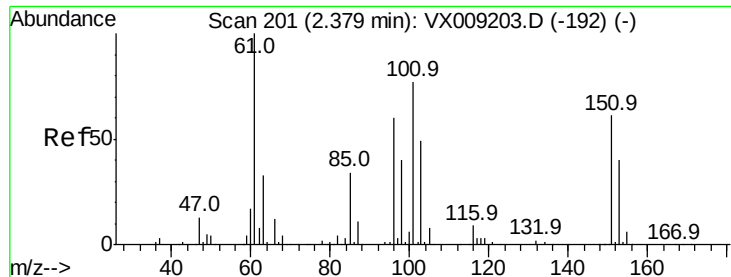
MMDadoda
 5/17/2019 1:21:30 PM



#8
 Diethyl Ether
 Concen: 51.409 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion: 74 Resp: 56085
 Ion Ratio Lower Upper
 74 100
 45 109.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.208 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

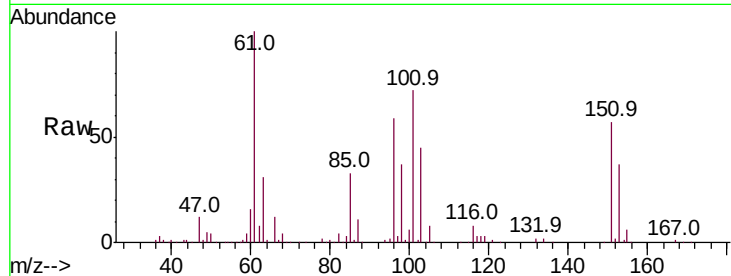
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	69724
Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.7	53.5
151	78.1	62.2	93.2

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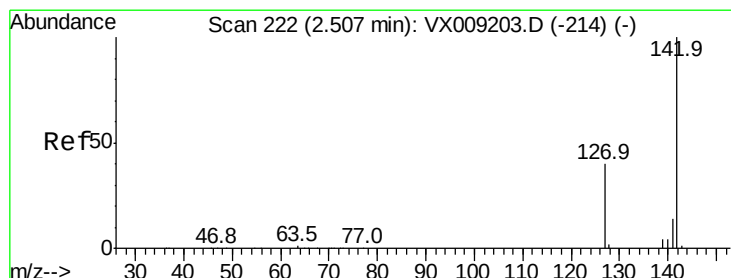
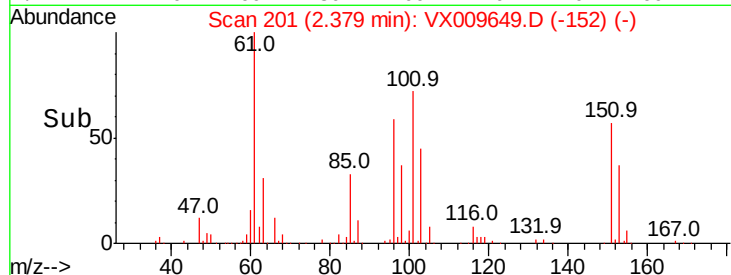
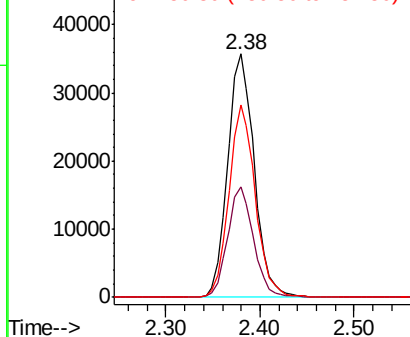


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.998 ug/l

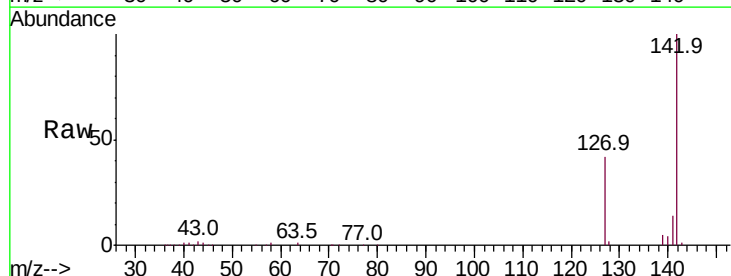
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	142	Resp:	87720
Ion	Ratio	Lower	Upper
142	100		
127	41.8	32.7	49.1
141	14.0	11.5	17.3

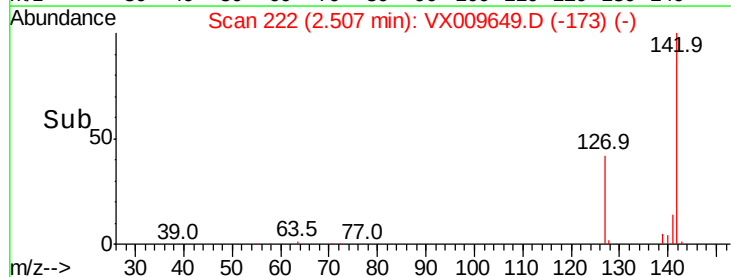
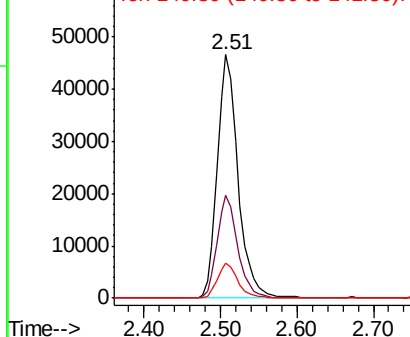


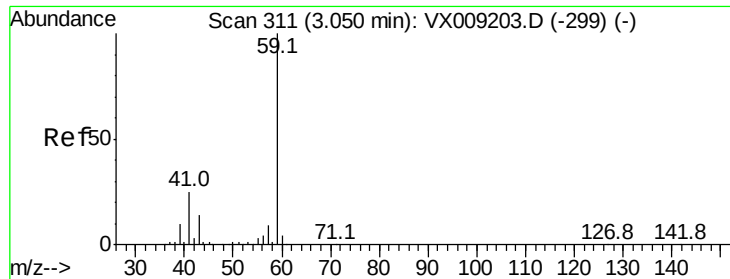
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





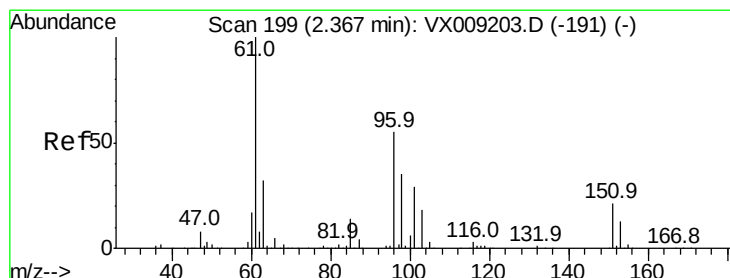
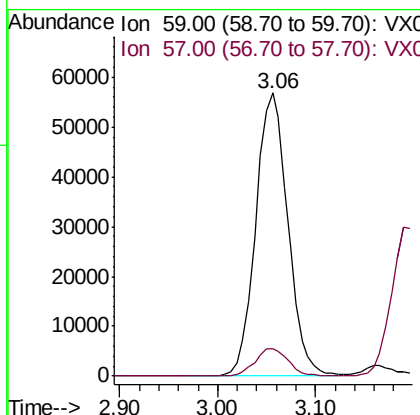
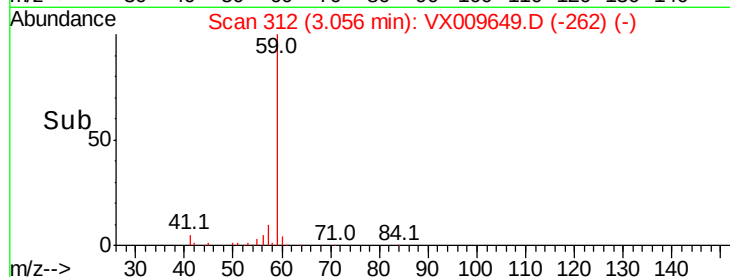
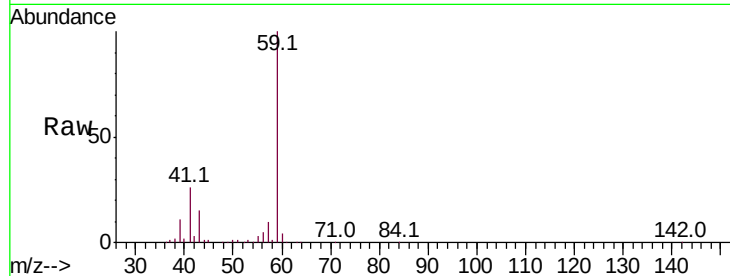
#11
Tert butyl alcohol
Concen: 265.275 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 129462
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

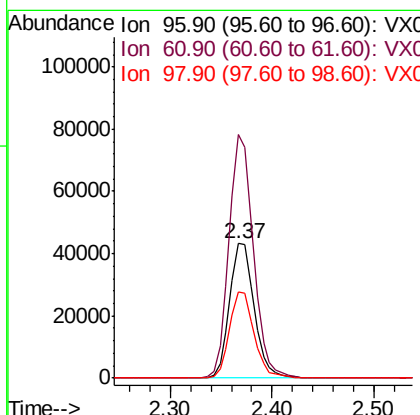
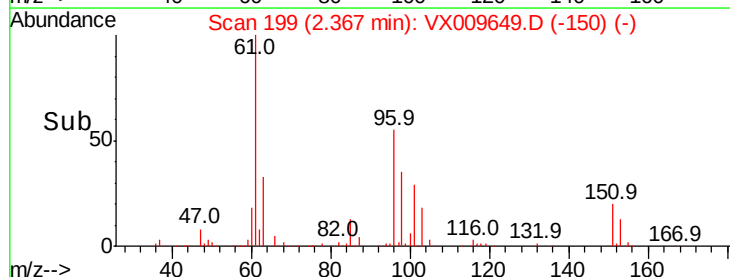
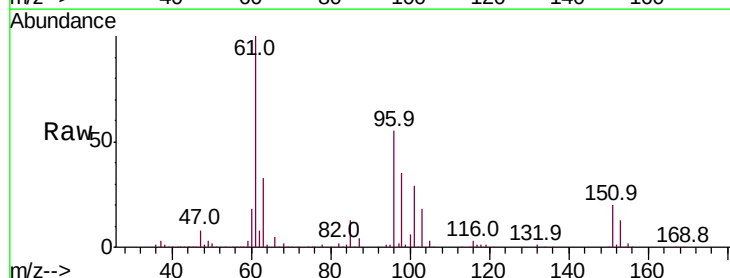
Manual Integrations
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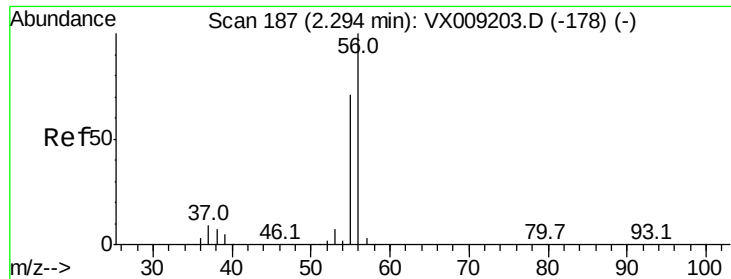
MMDadoda
5/17/2019 1:21:30 PM



#12
1,1-Dichloroethene
Concen: 49.916 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion: 96 Resp: 72335
Ion Ratio Lower Upper
96 100
61 181.3 144.3 216.5
98 64.3 50.3 75.5





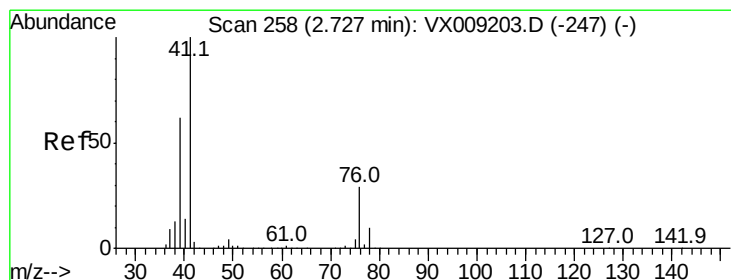
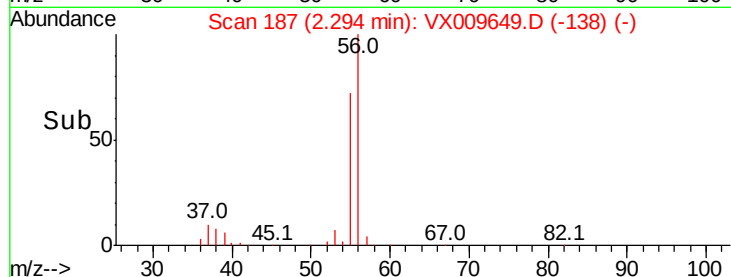
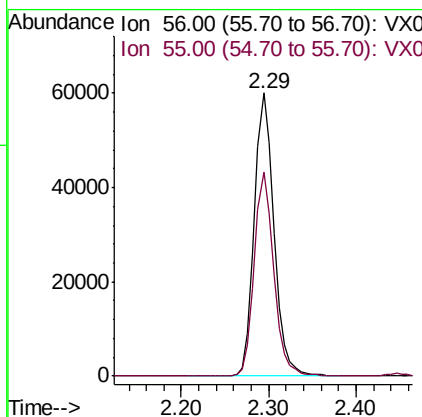
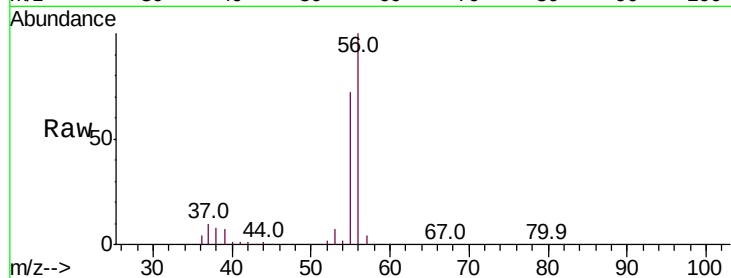
#13
Acrolein
Concen: 211.281 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.7	56.6	85.0

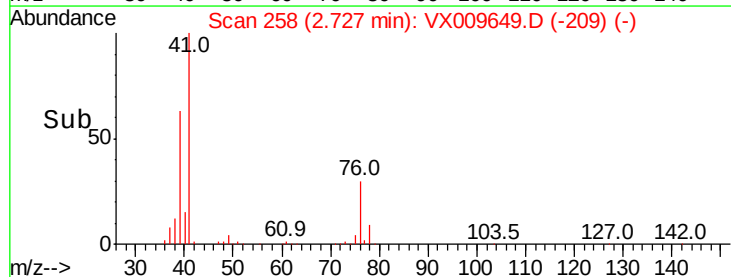
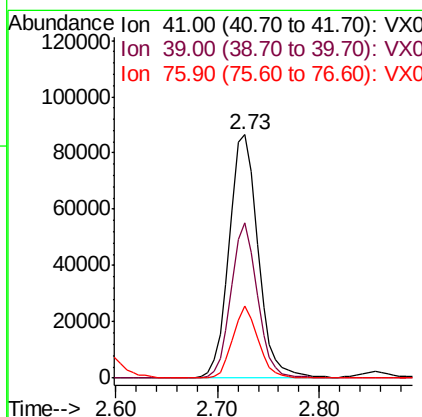
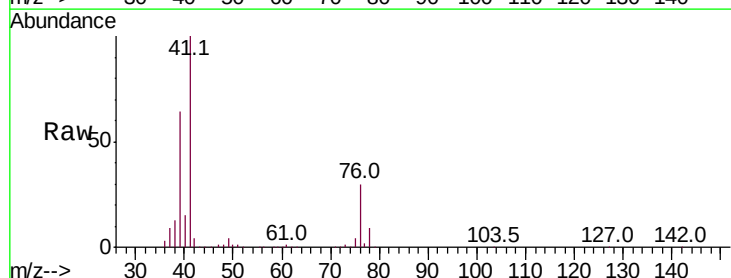
Manual Integrations
APPROVED

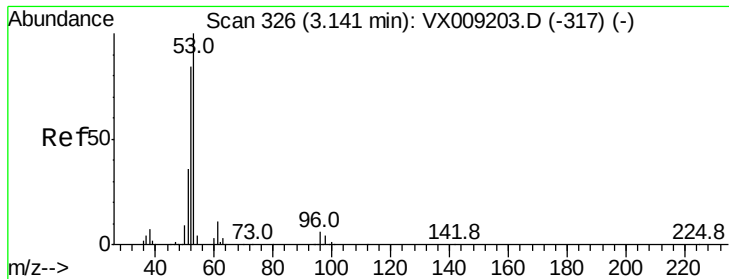
MMDadoda
5/17/2019 1:21:30 PM



#14
Allyl chloride
Concen: 48.168 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.4	46.7	70.1
76	76	26.0	21.8	32.8





#15

Acrylonitrile

Concen: 264.969 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

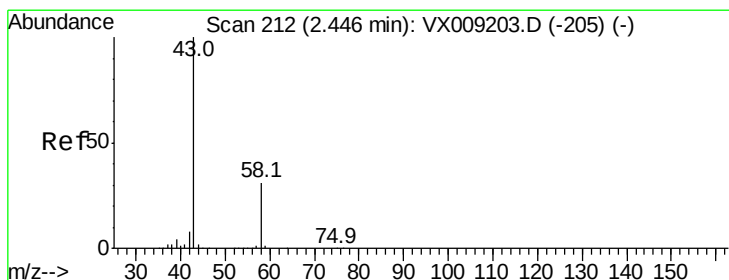
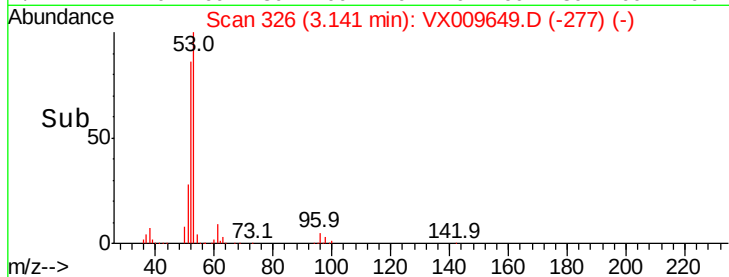
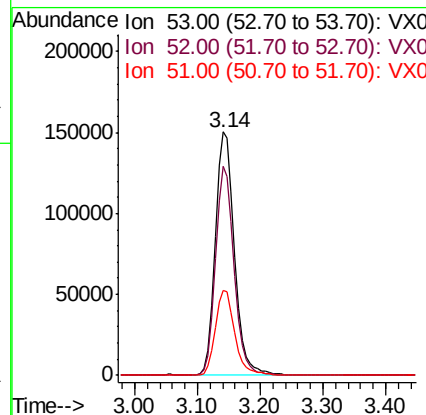
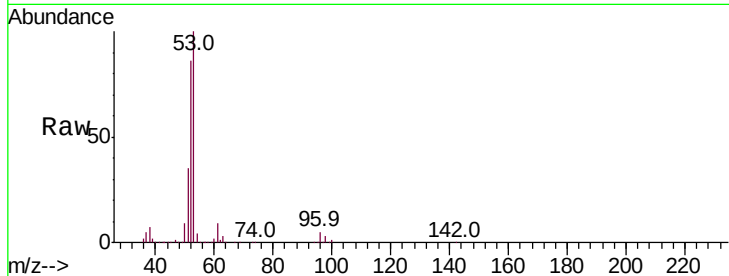
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	316180
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.2	28.2	42.2

Manual Integrations
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MMDadoda
5/17/2019 1:21:30 PM



#16

Acetone

Concen: 246.258 ug/l

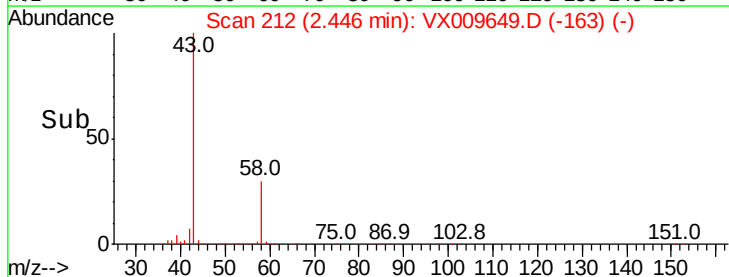
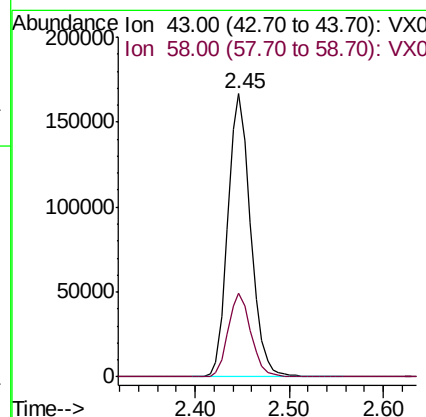
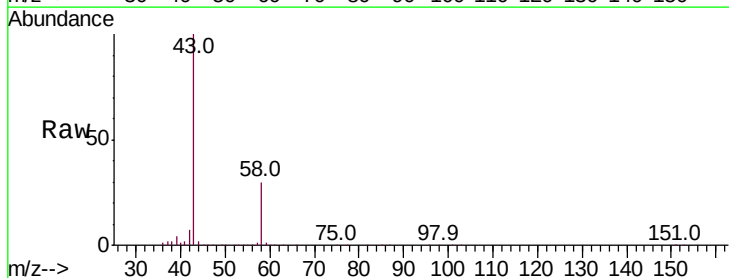
RT: 2.45 min Scan# 212

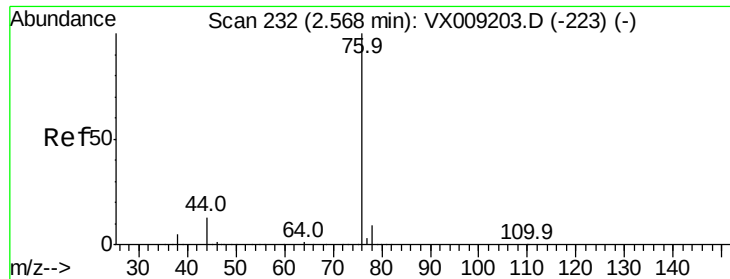
Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	43	Resp:	278788
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.9	37.3





#17

Carbon Disulfide

Concen: 46.431 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 188906

Ion Ratio Lower Upper

76 100

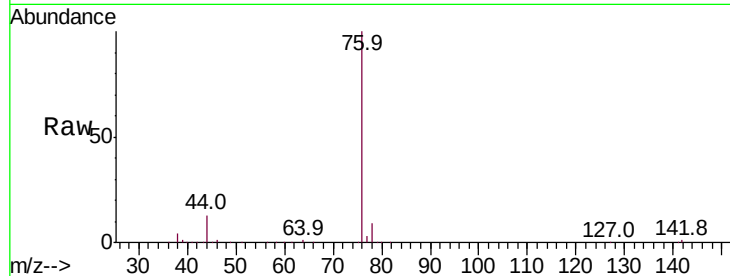
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

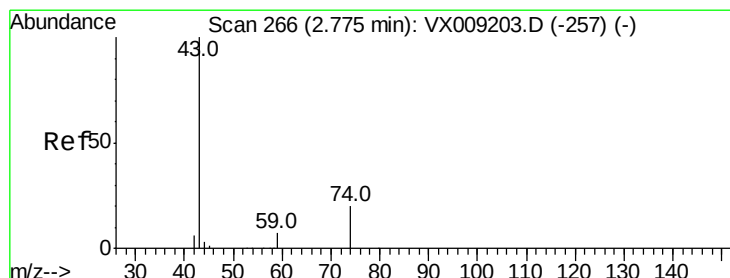
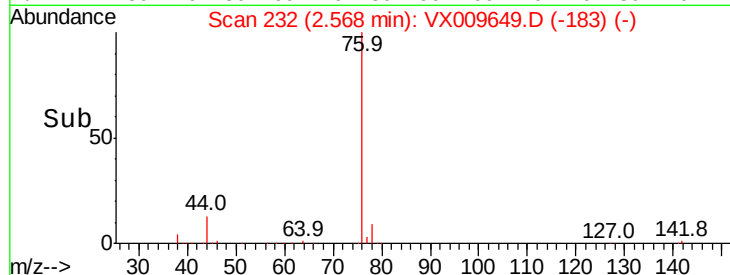
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.546 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009649.D

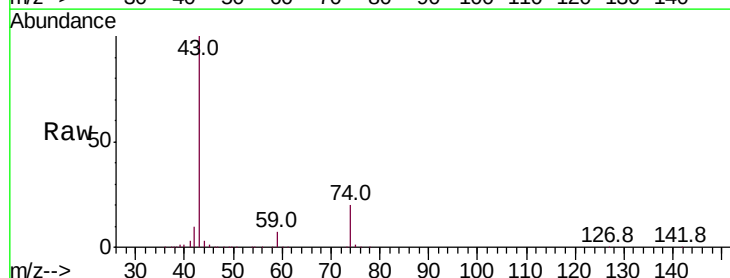
Acq: 17 May 2019 08:20

Tgt Ion: 43 Resp: 144164

Ion Ratio Lower Upper

43 100

74 20.2 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

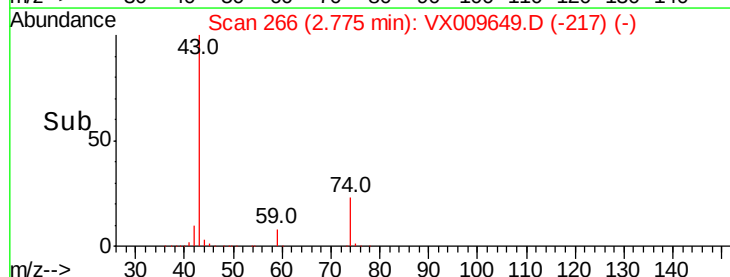
60000

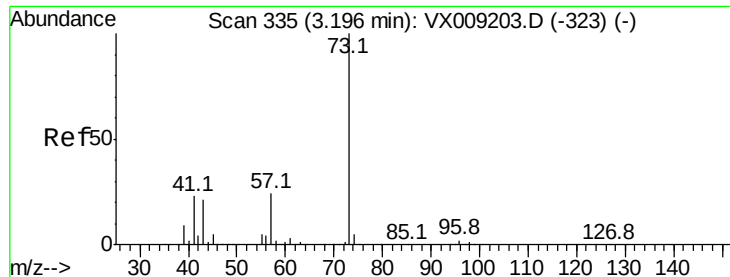
40000

20000

0

Time-->





#19

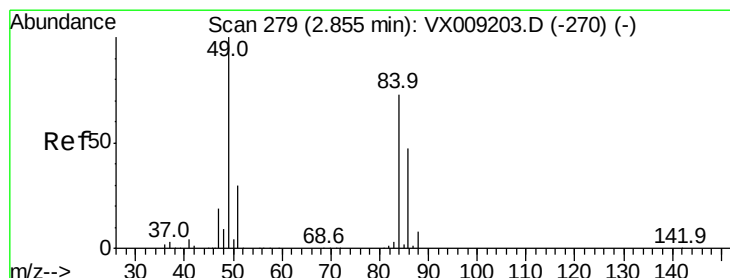
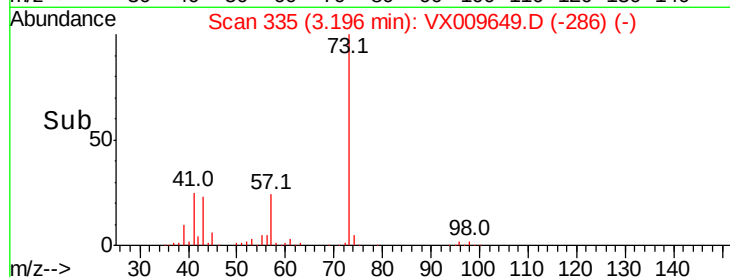
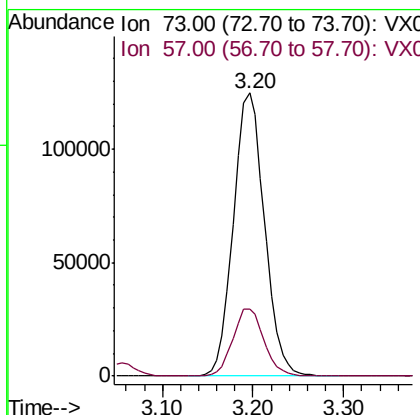
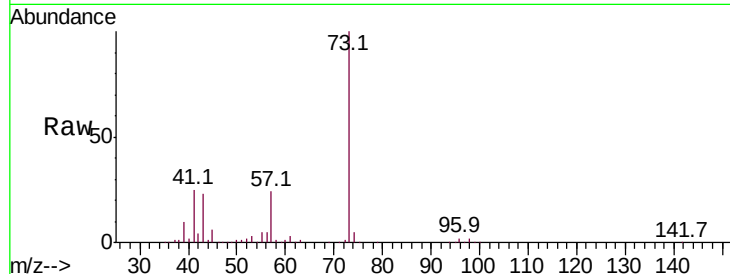
Methyl tert-butyl Ether
 Concen: 52.758 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

Manual Integrations
 APPROVED

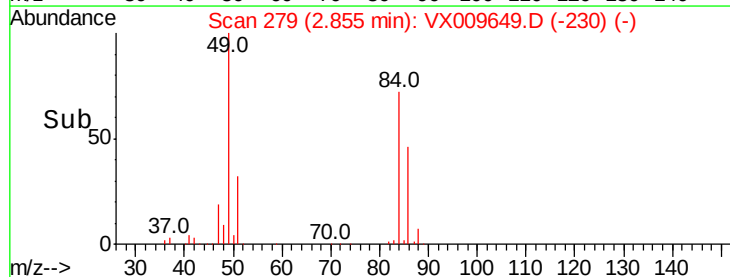
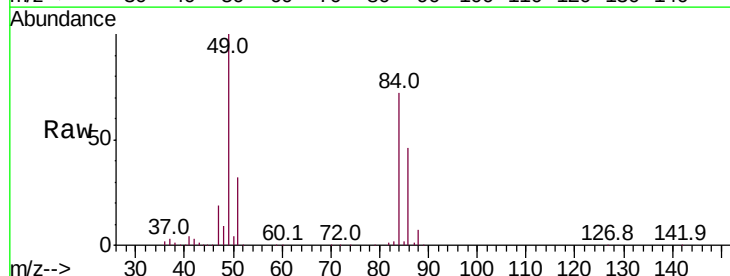
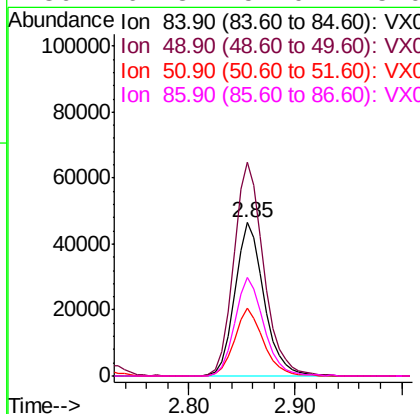
MMDadoda
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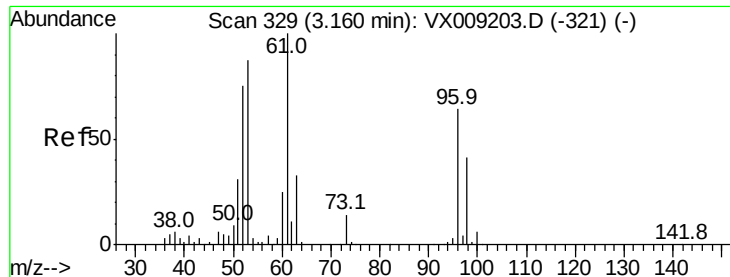


#20

Methylene Chloride
 Concen: 48.913 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.1	109.9	164.9
51	44.4	32.7	49.1
86	64.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 50.058 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 78670

Ion Ratio Lower Upper

96 100

61 150.8 124.5 186.7

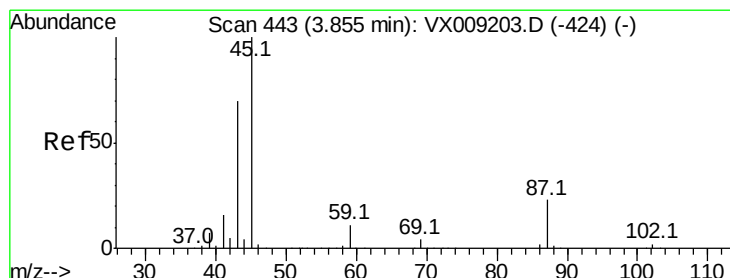
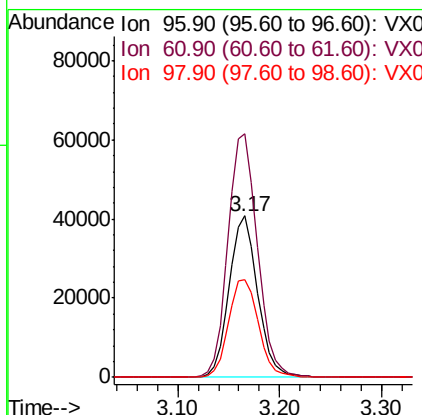
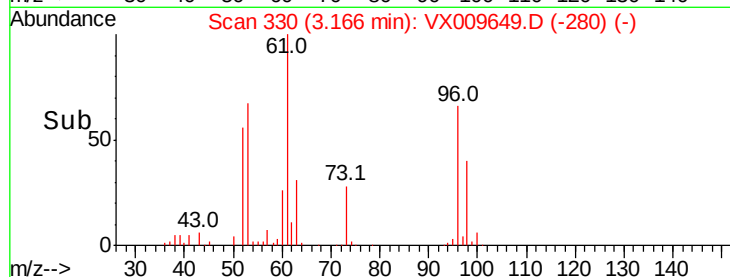
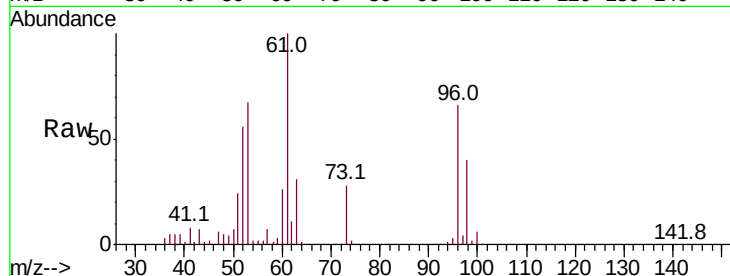
98 60.6 50.4 75.6

Manual Integrations

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5/17/2019 1:21:30 PM



#22

Diisopropyl ether

Concen: 52.606 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion: 45 Resp: 357280

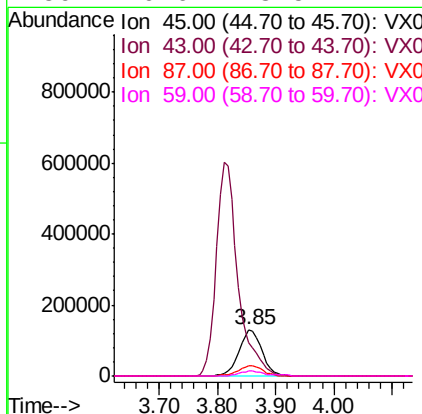
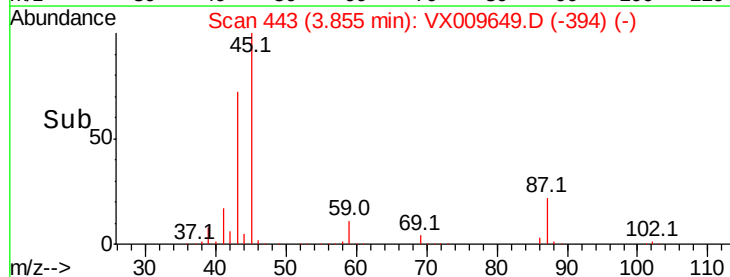
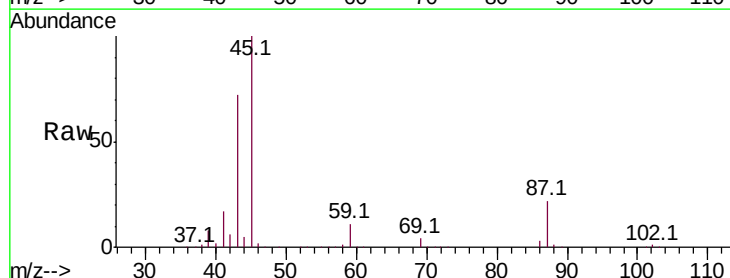
Ion Ratio Lower Upper

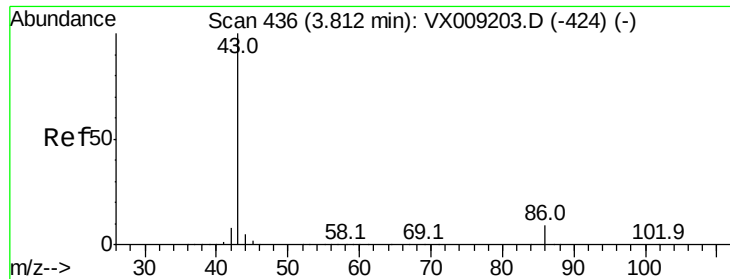
45 100

43 71.8 56.1 84.1

87 22.2 18.1 27.1

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 266.924 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1552345

Ion Ratio Lower Upper

43 100

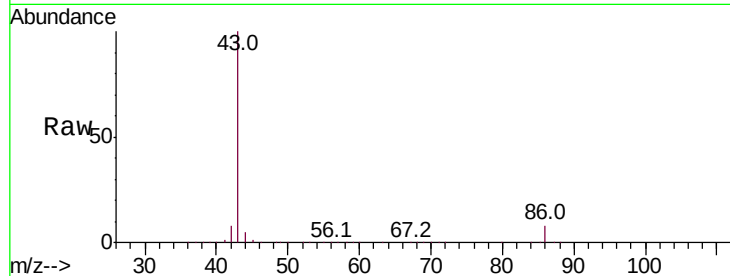
86 8.3 6.9 10.3

Manual Integrations

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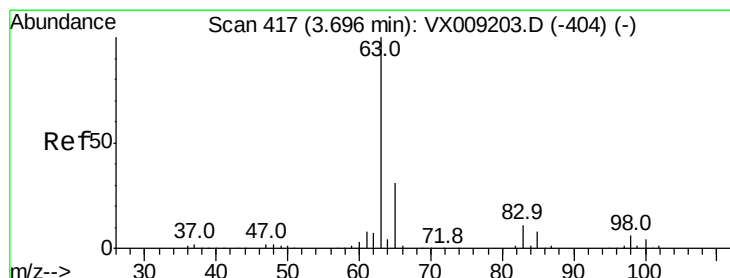
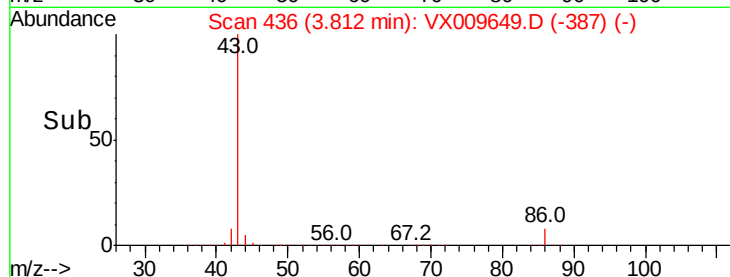
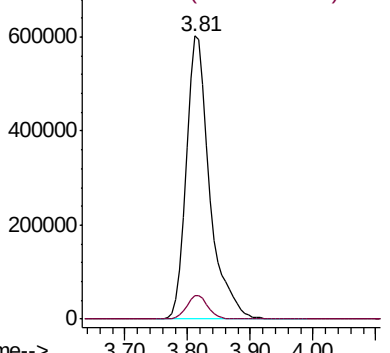
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.481 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

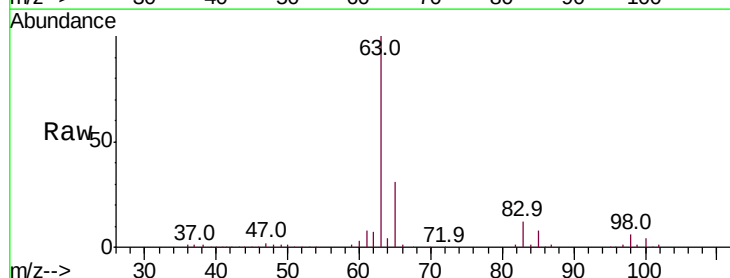
Tgt Ion: 63 Resp: 172479

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

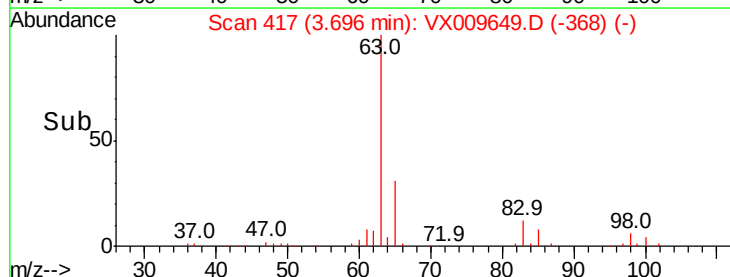
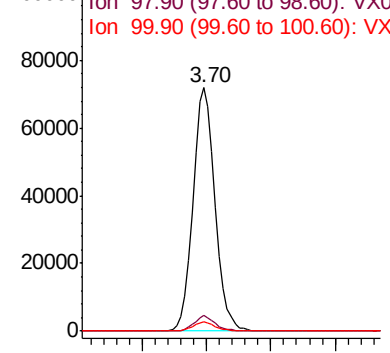
100 4.0 2.0 6.0

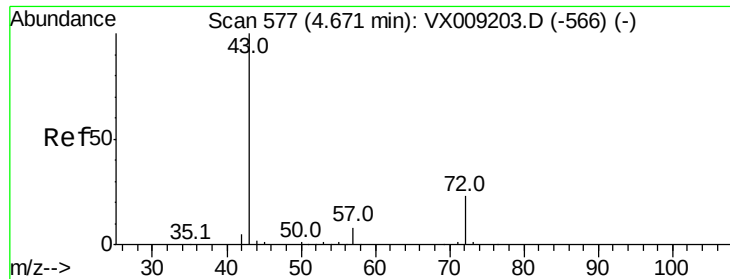


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 266.902 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 469547

Ion Ratio Lower Upper

43 100

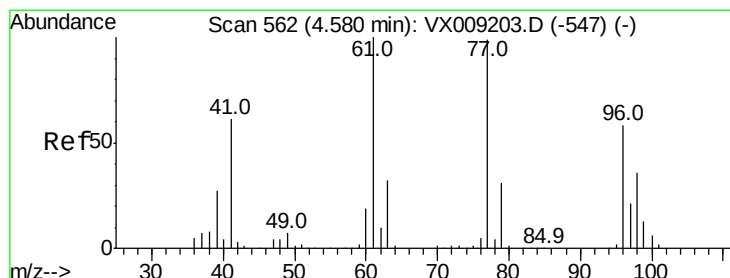
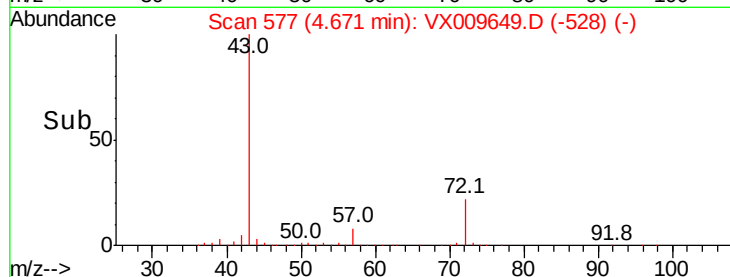
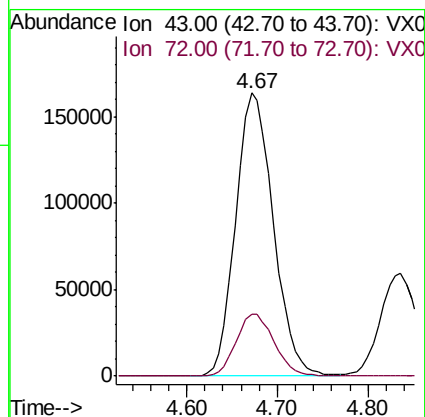
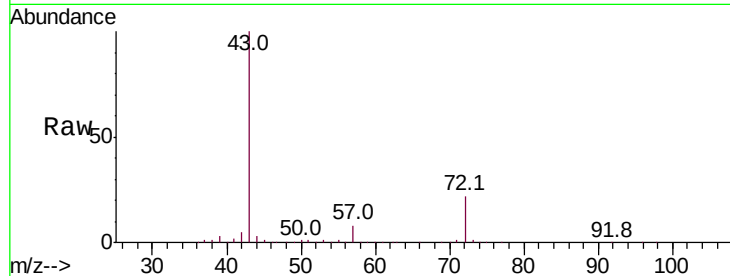
72 21.7 18.2 27.2

Manual Integrations

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5/17/2019 1:21:30 PM



#26

2,2-Dichloropropane

Concen: 28.507 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009649.D

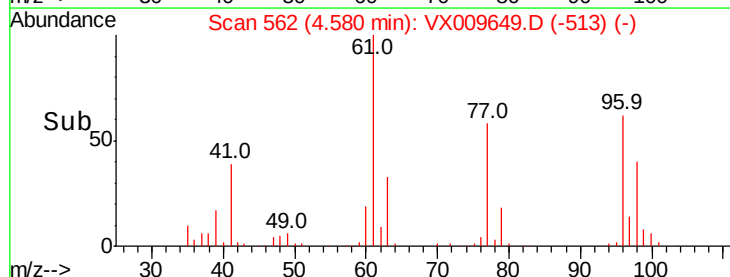
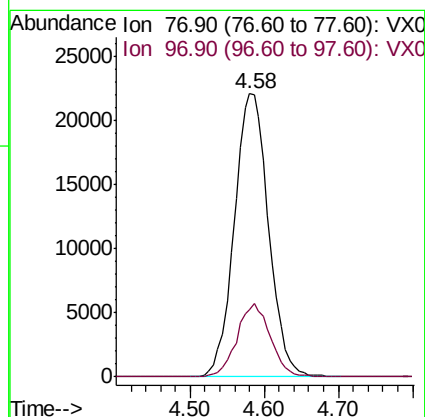
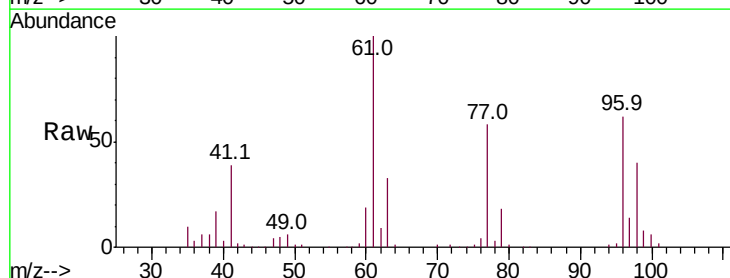
Acq: 17 May 2019 08:20

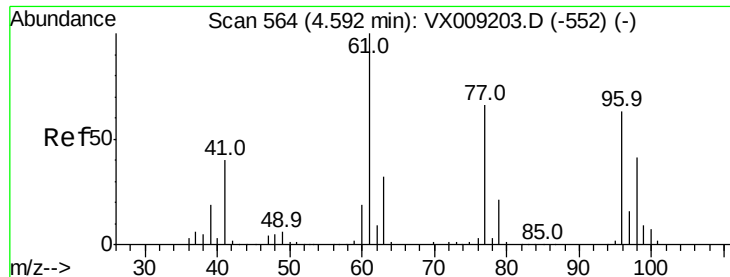
Tgt Ion: 77 Resp: 71091

Ion Ratio Lower Upper

77 100

97 25.3 11.5 34.4





#27

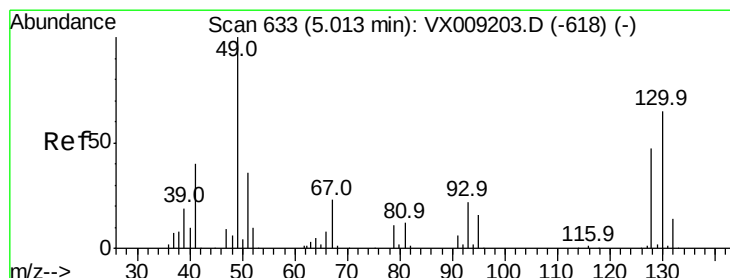
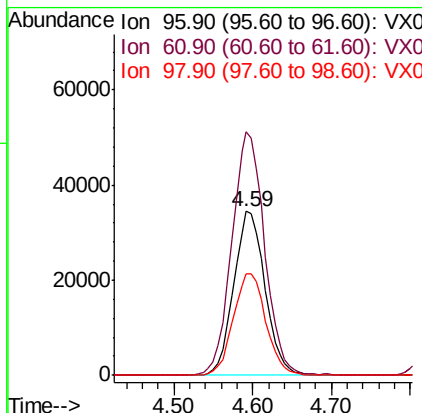
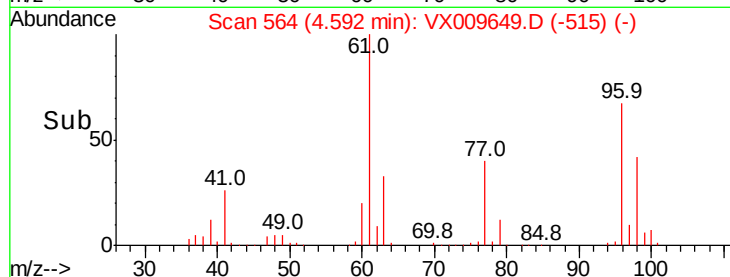
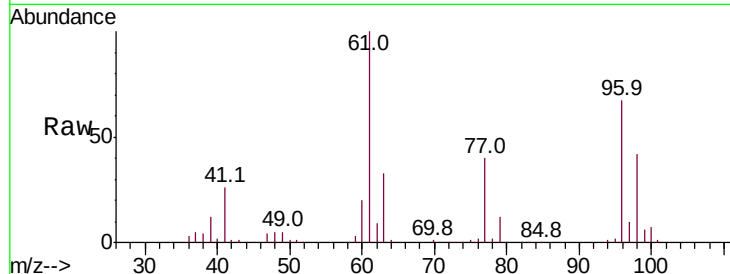
cis-1,2-Dichloroethene
Concen: 50.911 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	324.0
98	64.4	0.0	130.4

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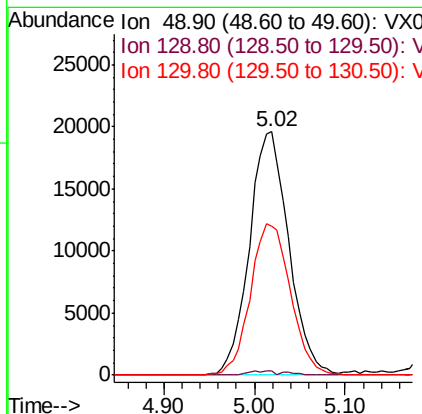
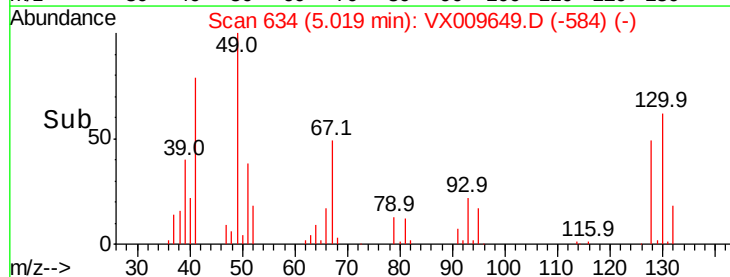
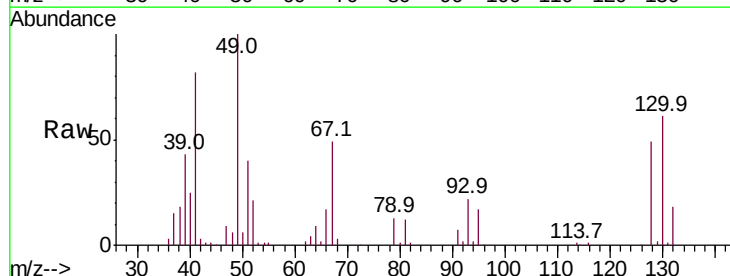
MMDadoda
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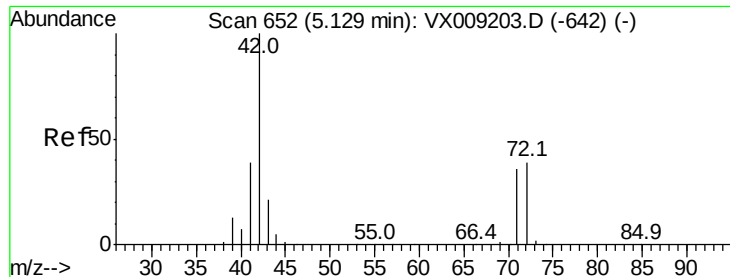


#28

Bromochloromethane
Concen: 43.485 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	63.0	51.2	76.8





#29

Tetrahydrofuran

Concen: 275.133 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

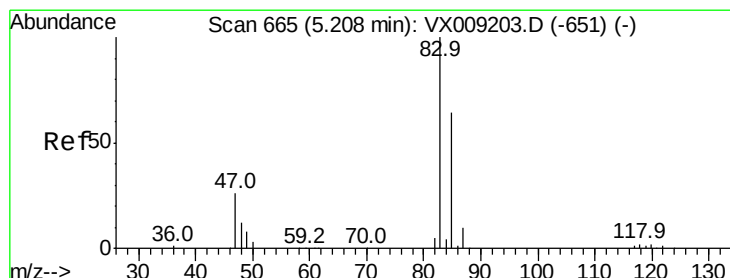
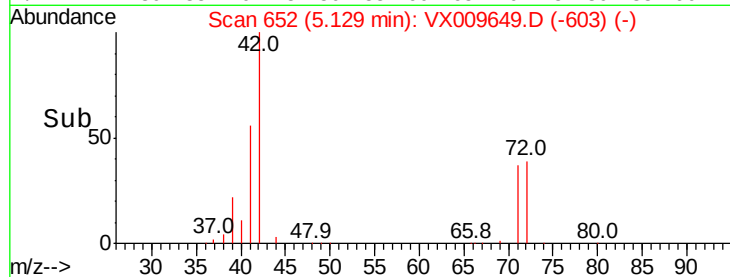
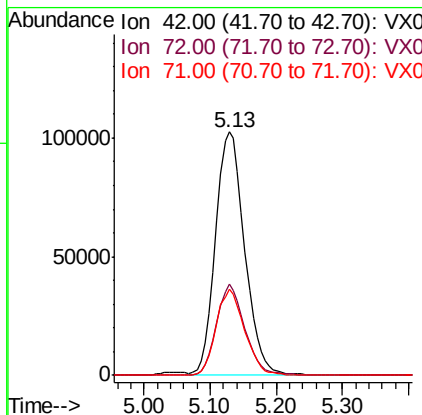
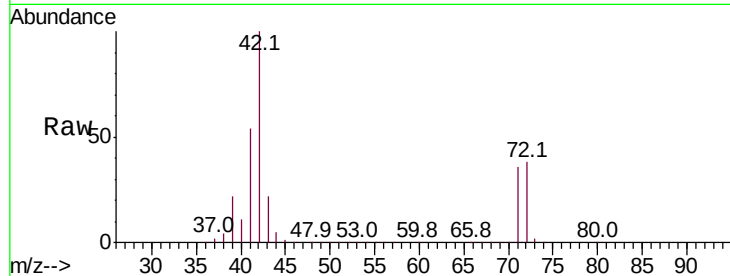
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	311469
Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.4	45.6
71	34.6	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 52.403 ug/l

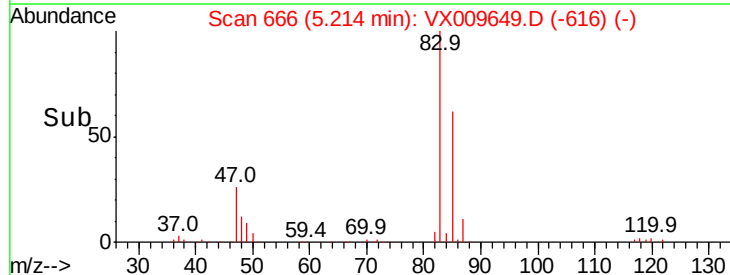
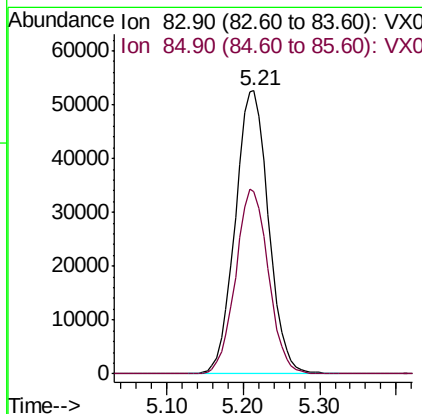
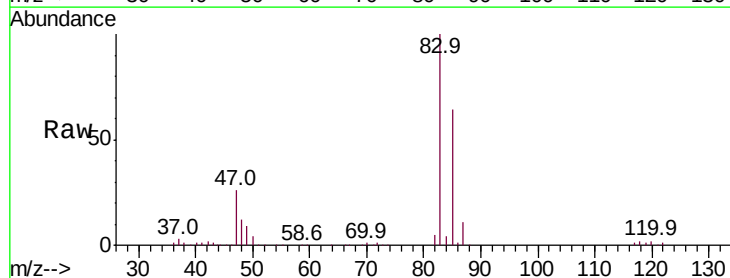
RT: 5.21 min Scan# 666

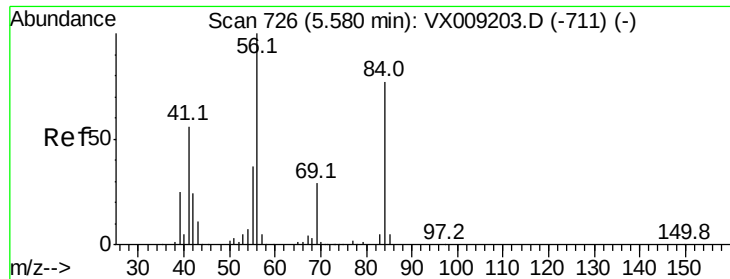
Delta R.T. 0.01 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	83	Resp:	158792
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 49.597 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

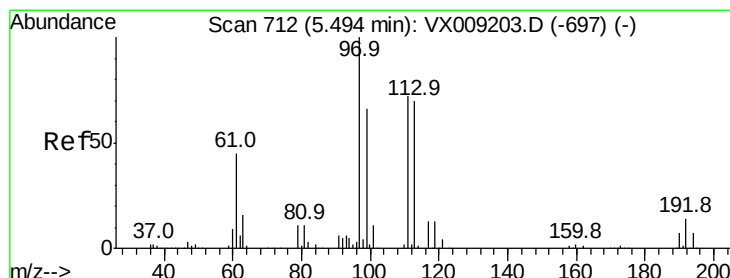
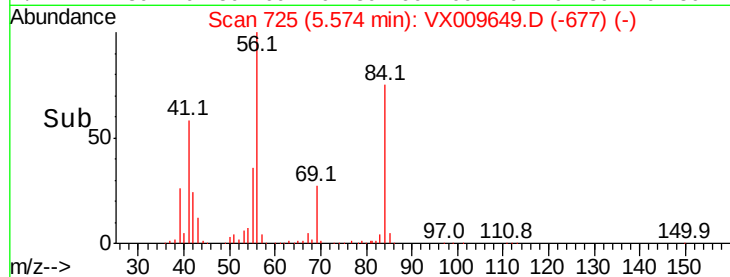
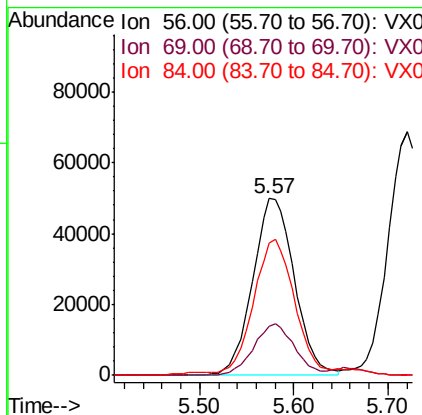
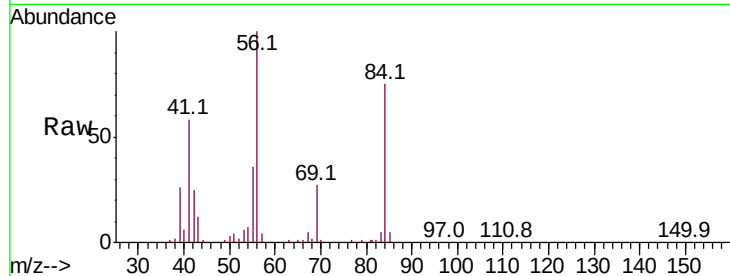
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	154596
Ion Ratio	Lower	Upper	
56	100		
69	27.5	23.4	35.0
84	73.3	61.9	92.9

Manual Integrations
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5/17/2019 1:21:30 PM



#32

1,1,1-Trichloroethane

Concen: 51.871 ug/l

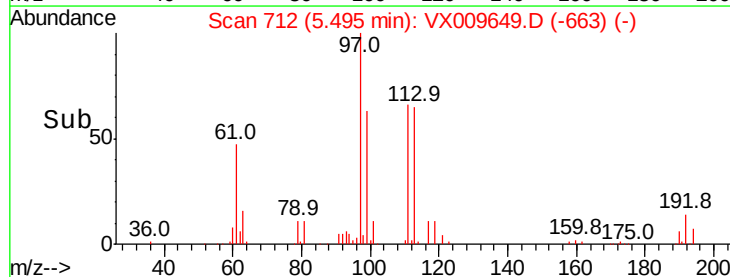
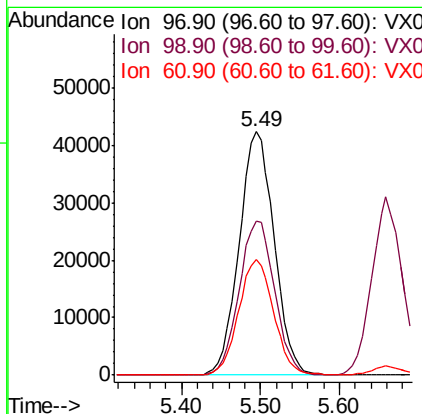
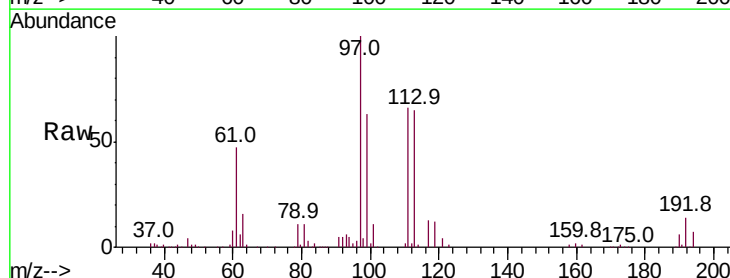
RT: 5.49 min Scan# 712

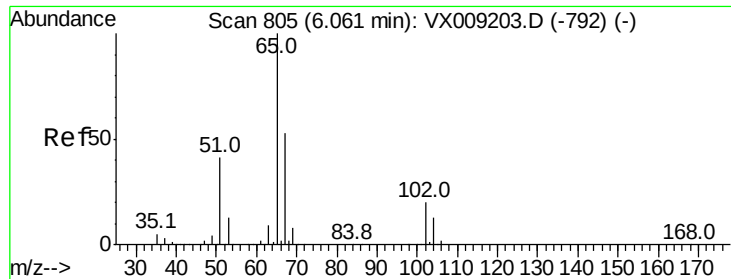
Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	97	Resp:	130843
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.8	77.8
61	47.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 50.674 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 106839

Ion Ratio Lower Upper

65 100

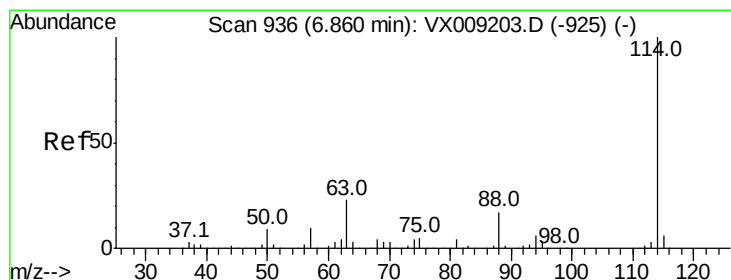
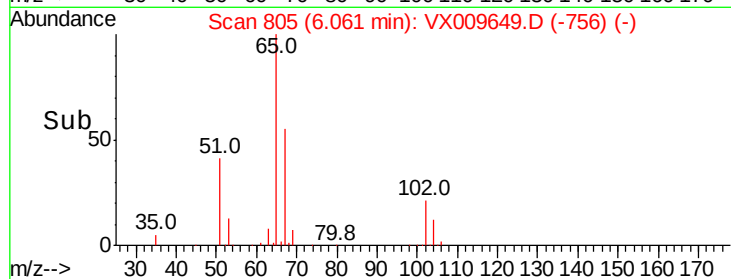
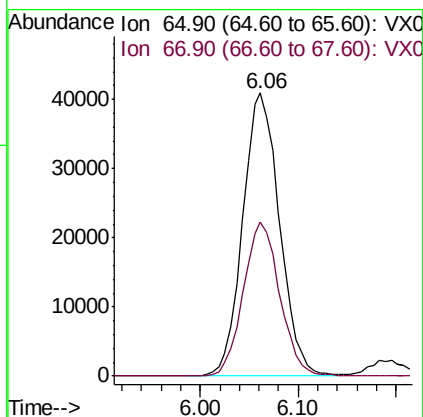
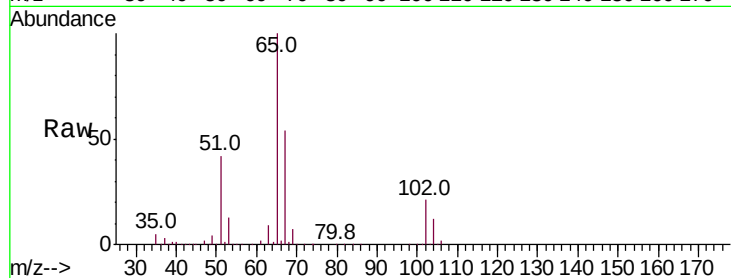
67 53.9 0.0 106.6

Manual Integrations

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5/17/2019 1:21:30 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

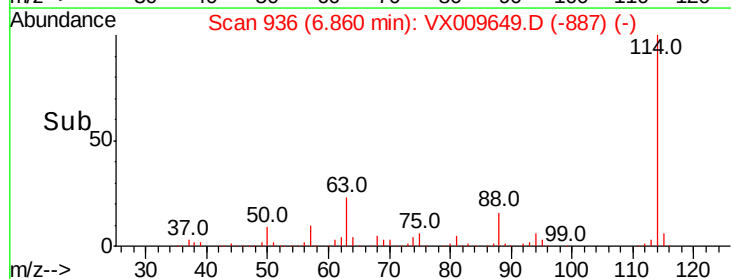
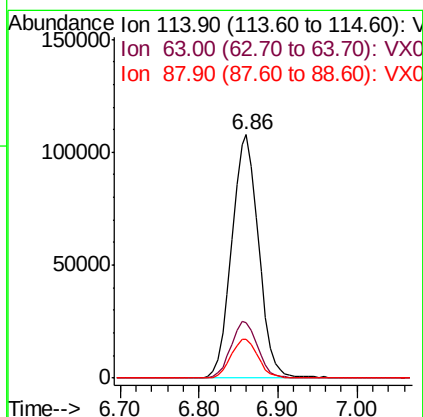
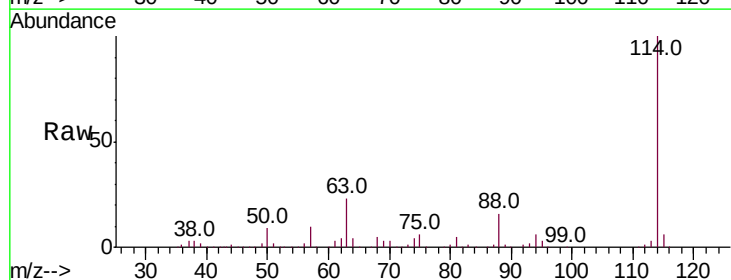
Tgt Ion:114 Resp: 254938

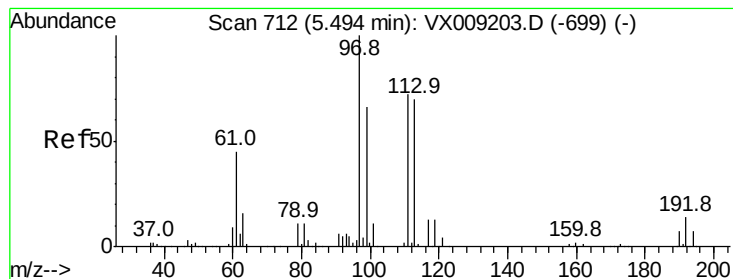
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.681 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 79621

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

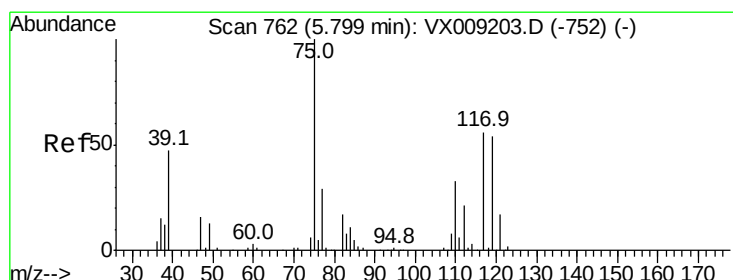
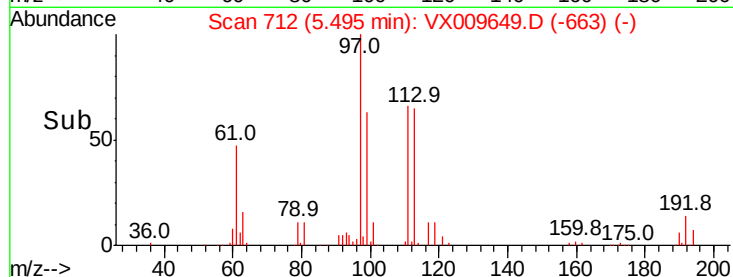
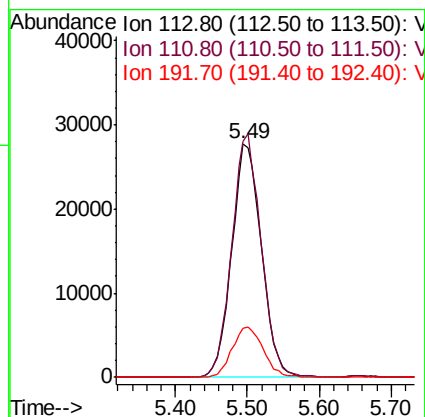
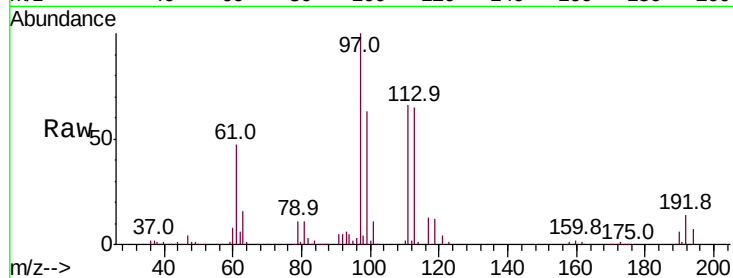
192 22.3 17.0 25.6

Manual Integrations

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5/17/2019 1:21:30 PM



#36

1,1-Dichloropropene

Concen: 49.504 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

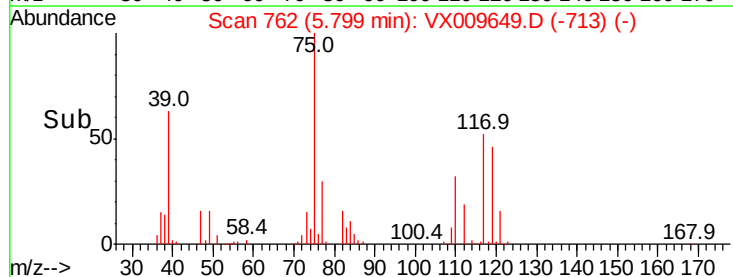
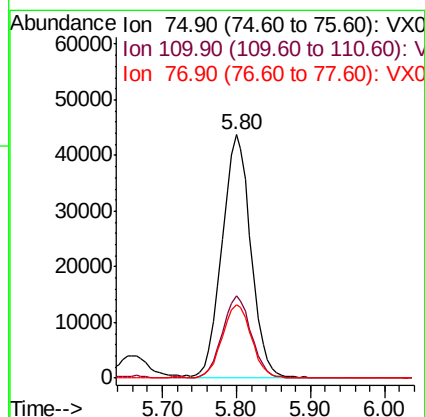
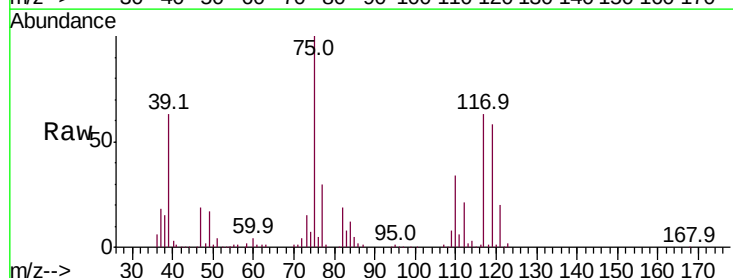
Tgt Ion: 75 Resp: 117284

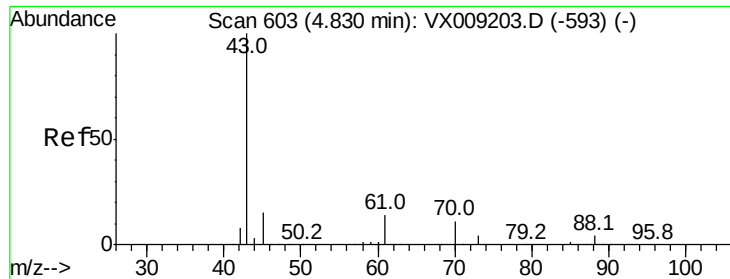
Ion Ratio Lower Upper

75 100

110 34.1 16.9 50.6

77 31.1 24.8 37.2





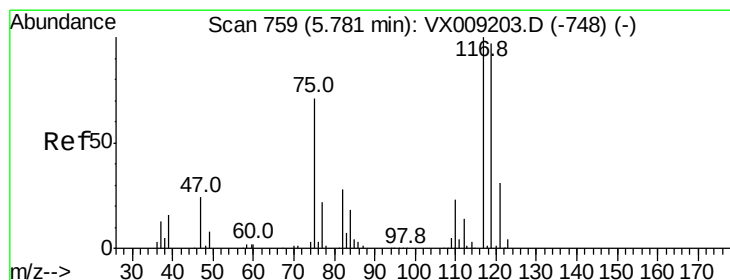
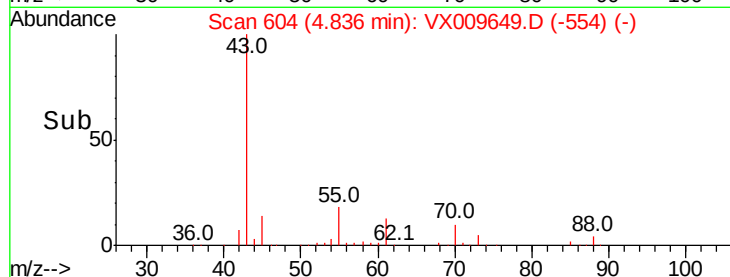
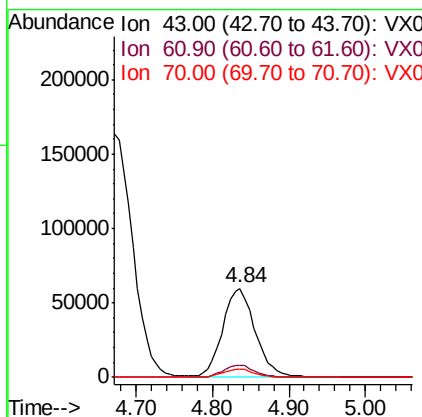
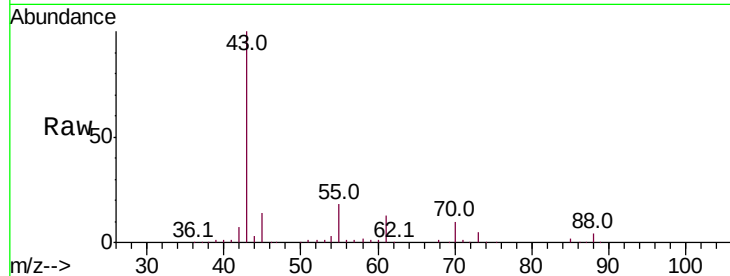
#37
Ethyl Acetate
Concen: 53.031 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.4	7.9	11.9

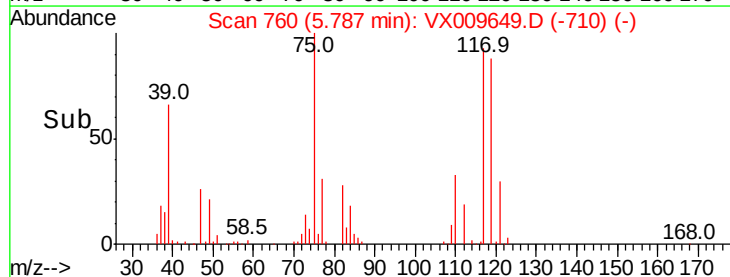
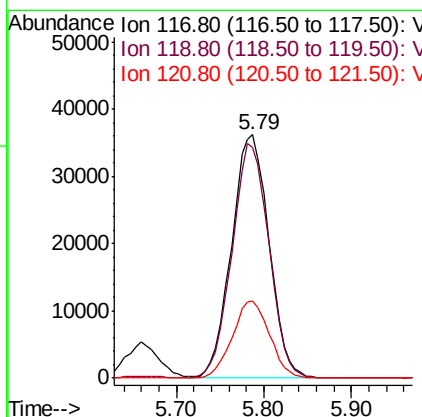
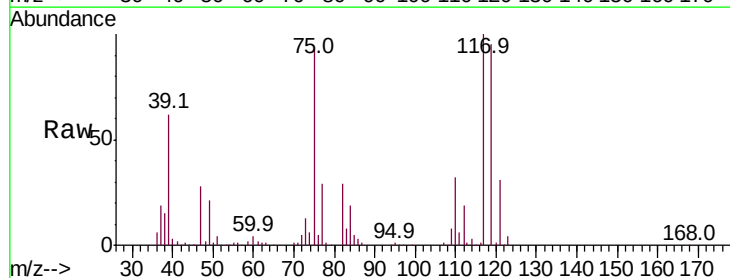
Manual Integrations
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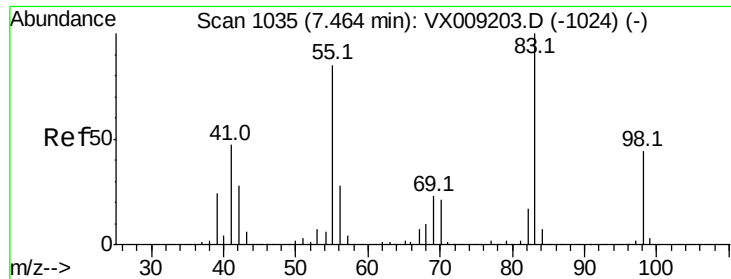
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5/17/2019 1:21:30 PM



#38
Carbon Tetrachloride
Concen: 50.182 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.5	116.3
121	31.5	24.7	37.1





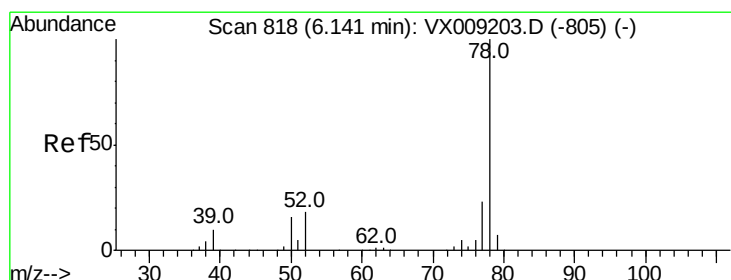
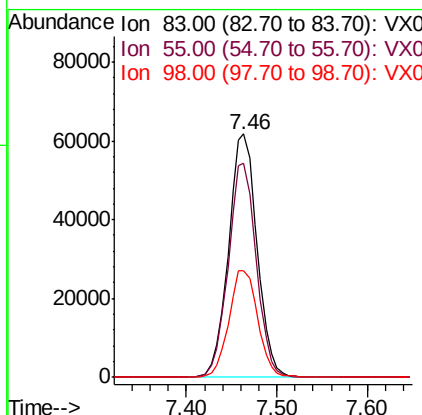
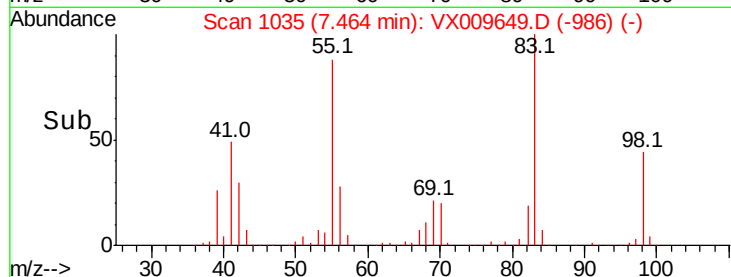
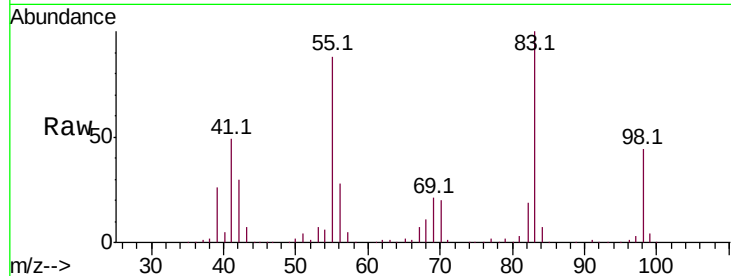
#39
Methvlcvclohexane
Concen: 46.757 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	136042
Ion Ratio	100	Lower	Upper
83	100		
55	87.6	67.7	101.5
98	44.0	35.5	53.3

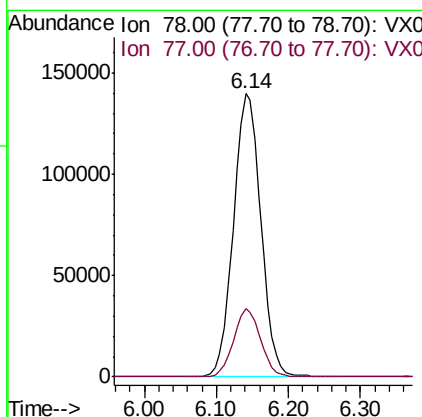
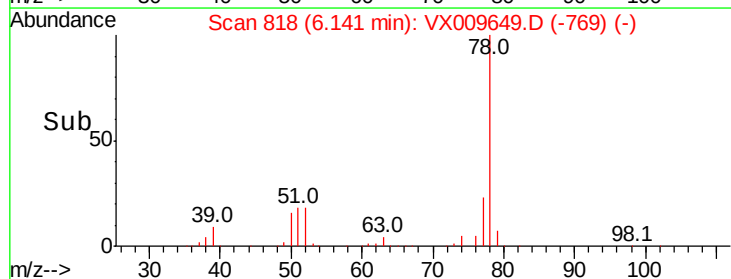
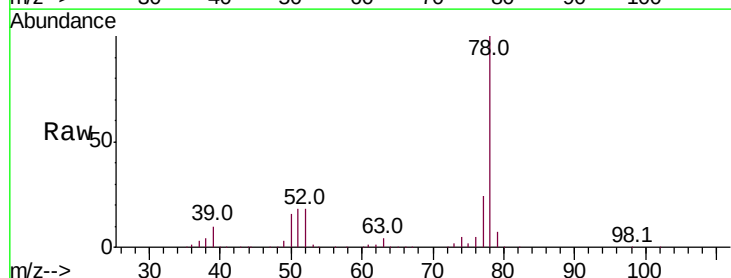
Manual Integrations
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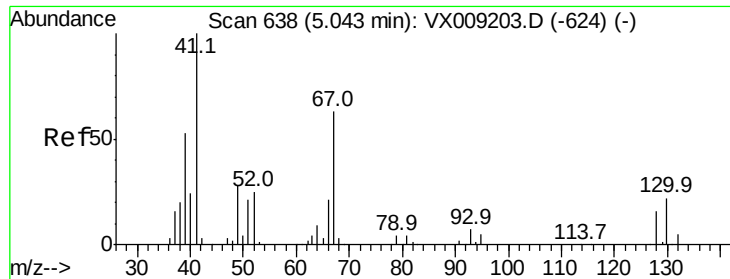
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#40
Benzene
Concen: 50.366 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	78	Resp	369296
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 51.478 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 101153

Ion Ratio Lower Upper

41 100

39 53.3 42.0 63.0

67 62.3 49.8 74.8

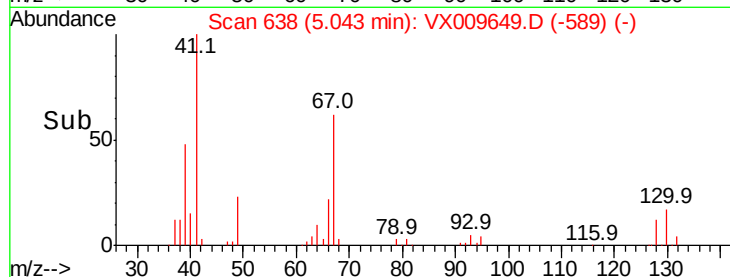
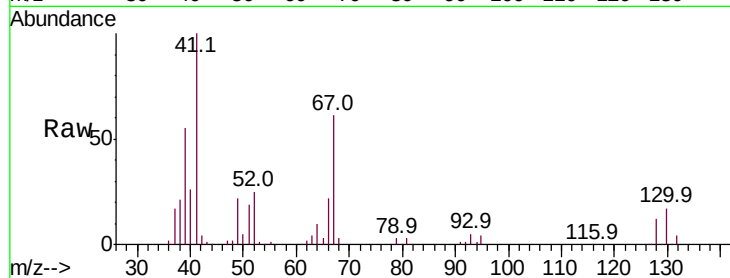
52 26.2 20.3 30.5

Manual Integrations

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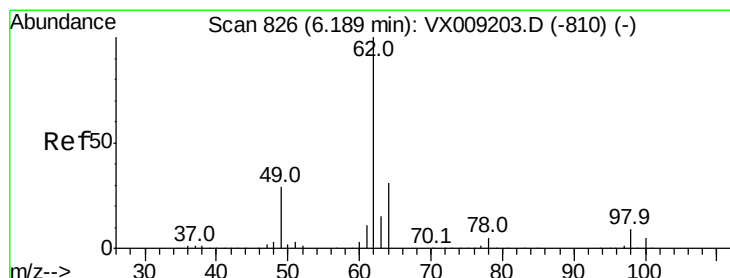
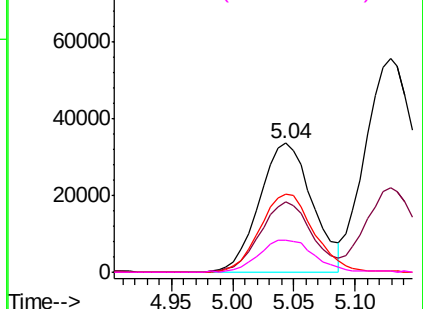


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.090 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009649.D

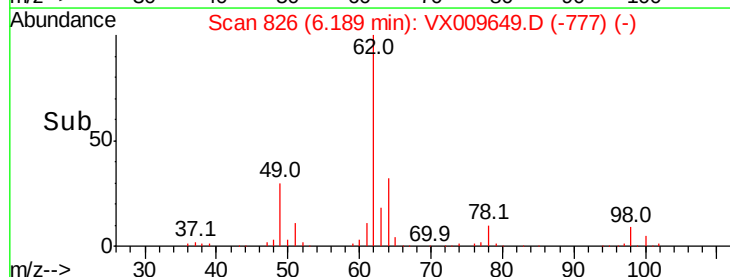
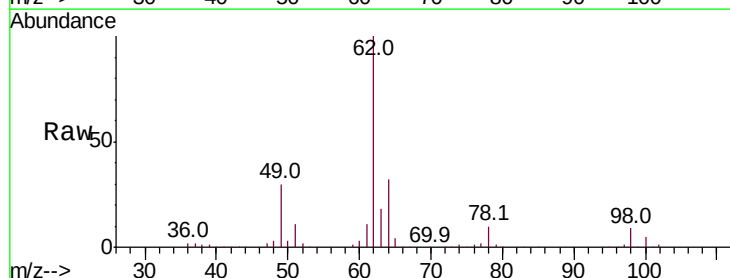
Acq: 17 May 2019 08:20

Tgt Ion: 62 Resp: 137006

Ion Ratio Lower Upper

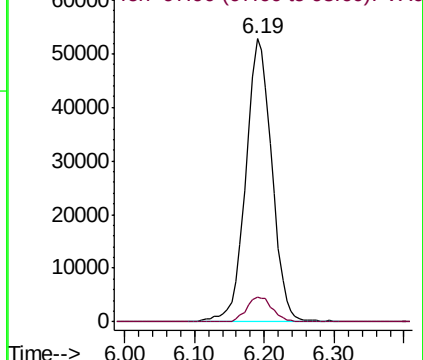
62 100

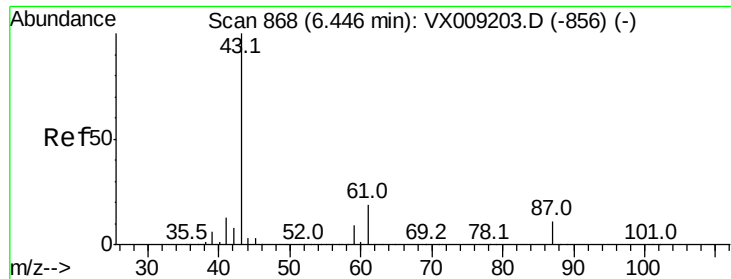
98 8.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.587 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

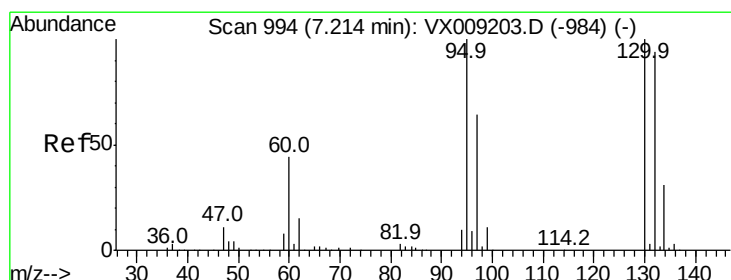
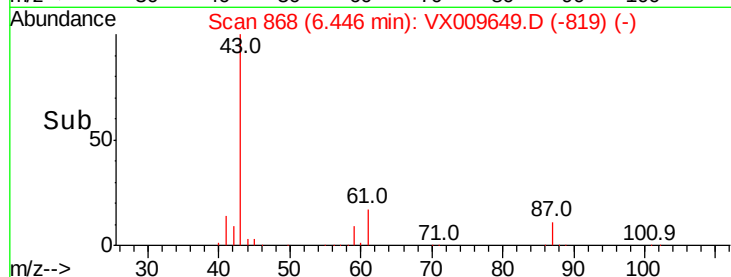
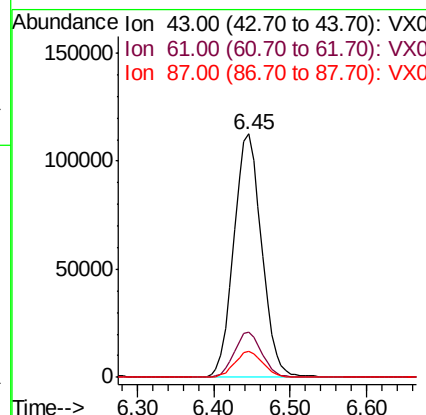
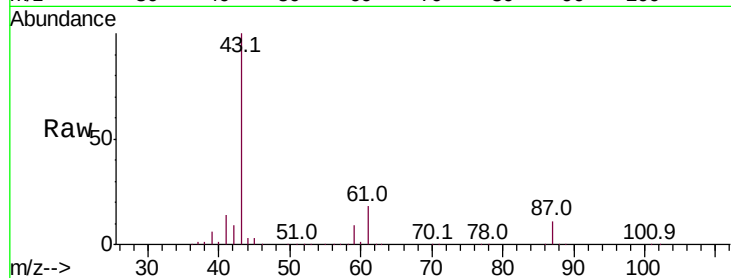
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	282941
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	10.9	9.0	13.6

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#44

Trichloroethene

Concen: 48.993 ug/l

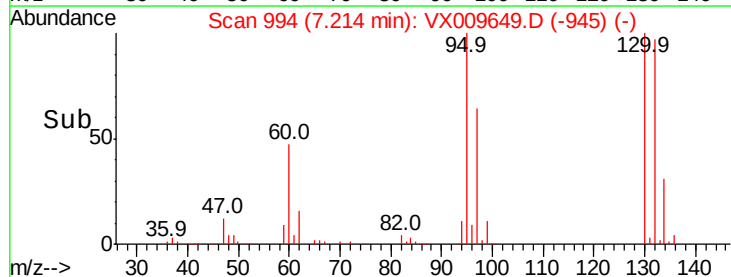
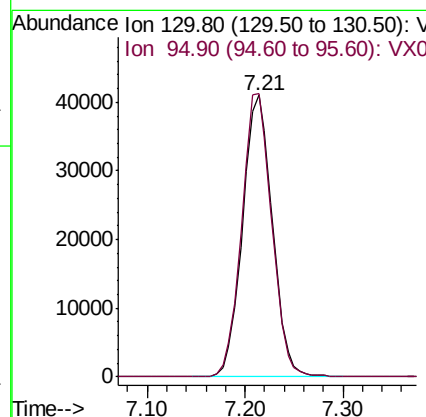
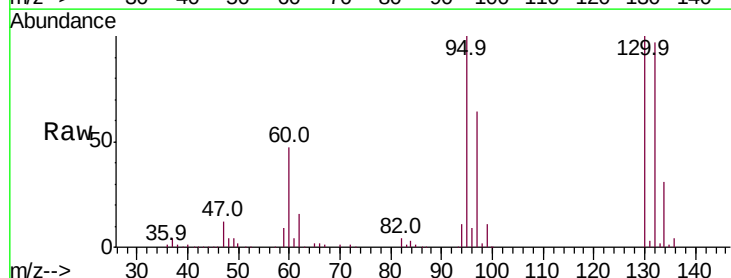
RT: 7.21 min Scan# 994

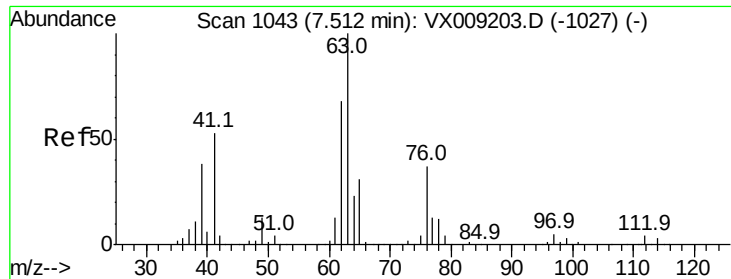
Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	130	Resp:	86844
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	199.2





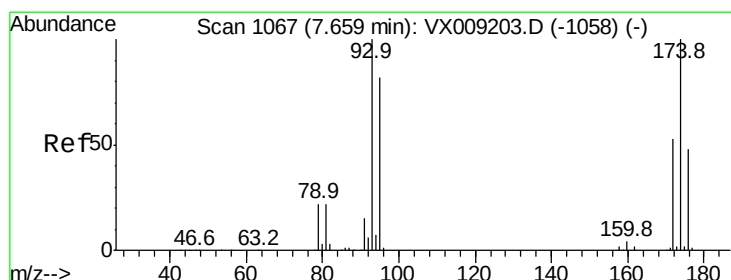
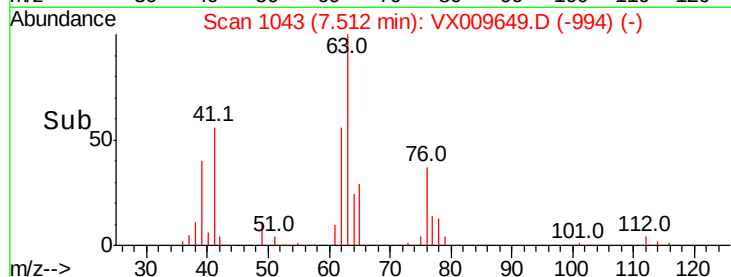
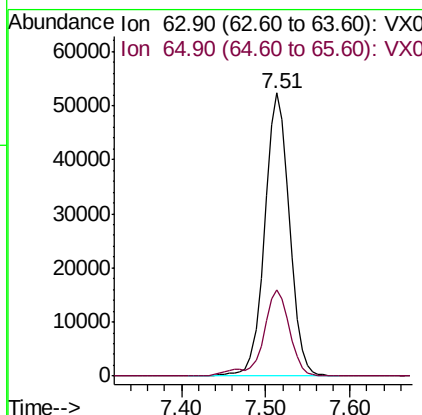
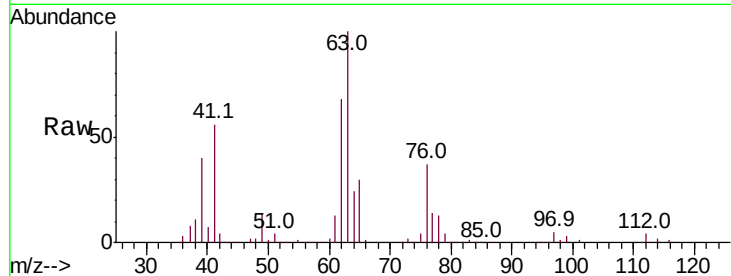
#45
 1,2-Dichloropropane
 Concen: 51.181 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 106260
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

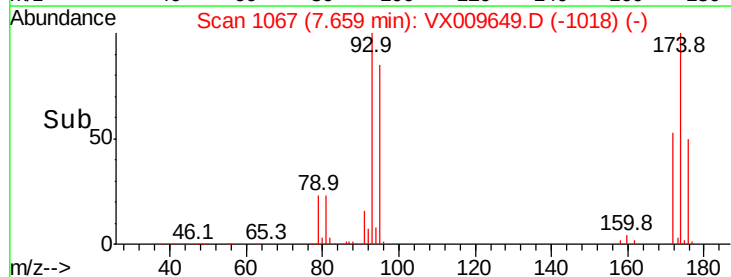
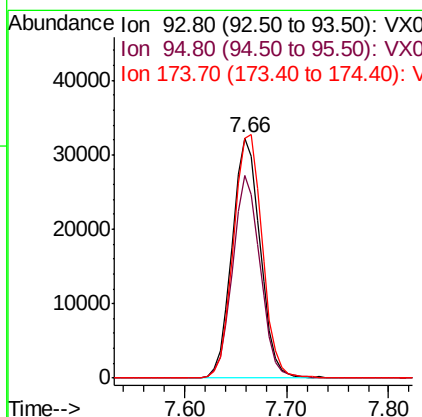
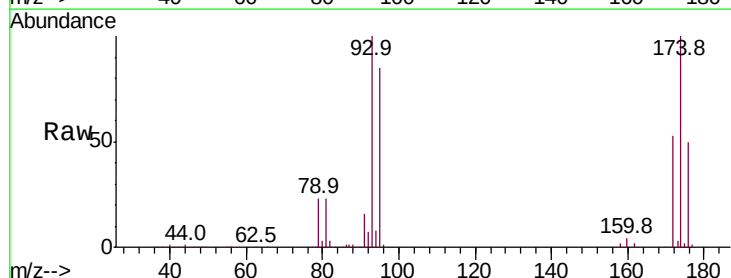
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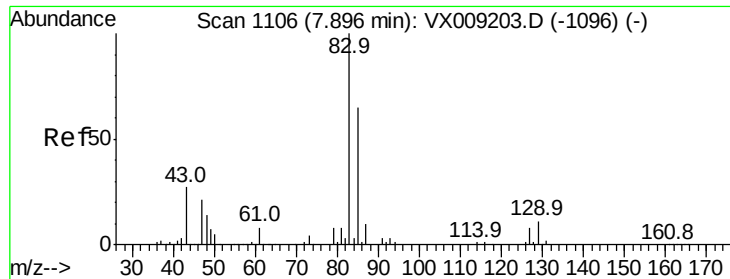
MMDadoda
 5/17/2019 1:21:30 PM



#46
 Dibromomethane
 Concen: 50.744 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion: 93 Resp: 61179
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 104.4 82.1 123.1





#47

Bromodichloromethane

Concen: 51.979 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 125008

Ion Ratio Lower Upper

83 100

85 62.6 52.4 78.6

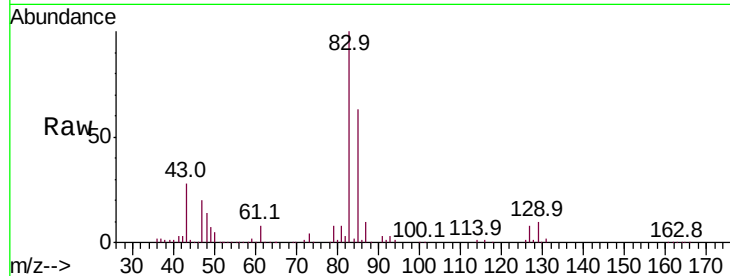
127 8.1 6.6 10.0

Manual Integrations

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MMDadoda

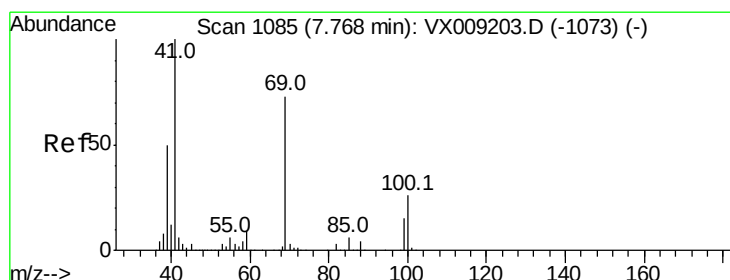
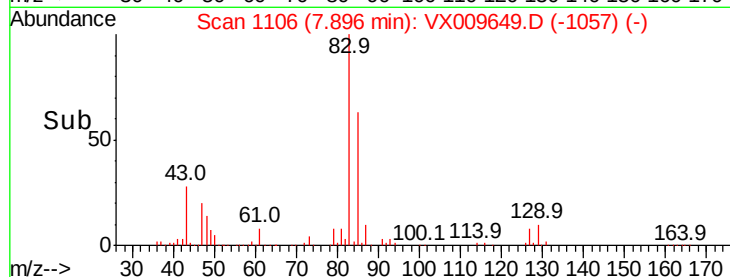
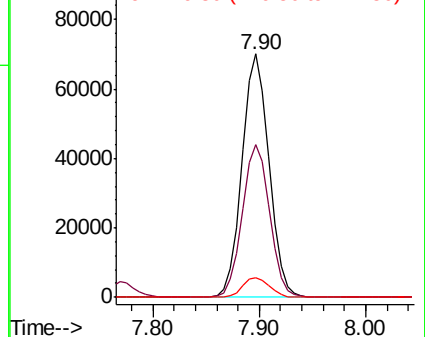
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.273 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

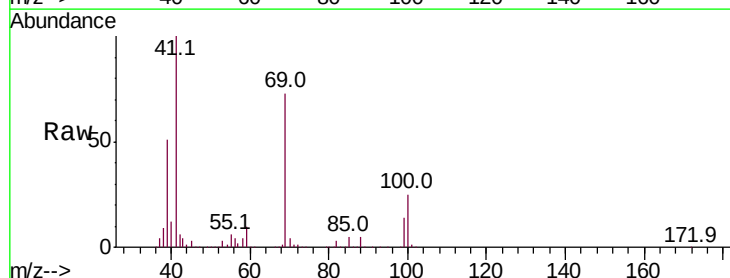
Tgt Ion: 41 Resp: 142172

Ion Ratio Lower Upper

41 100

69 72.1 59.1 88.7

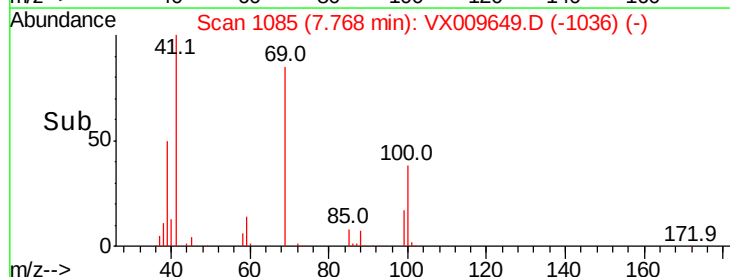
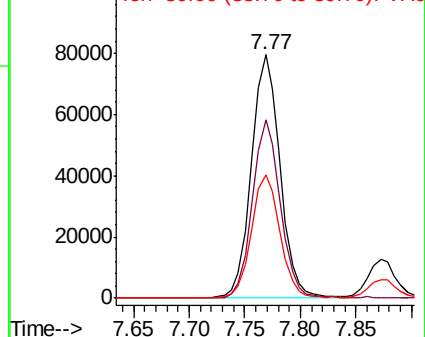
39 51.1 40.4 60.6

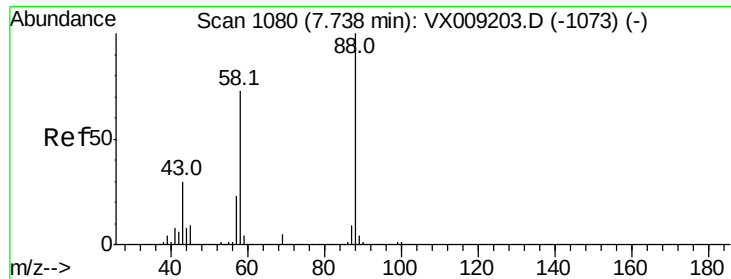


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





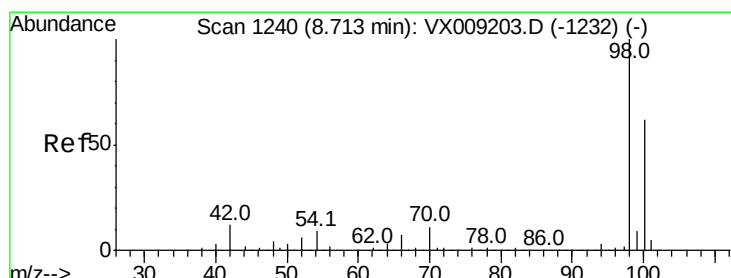
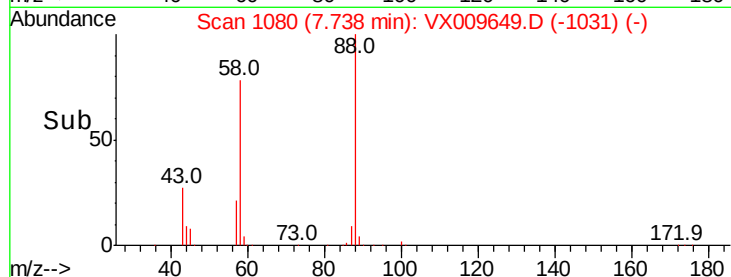
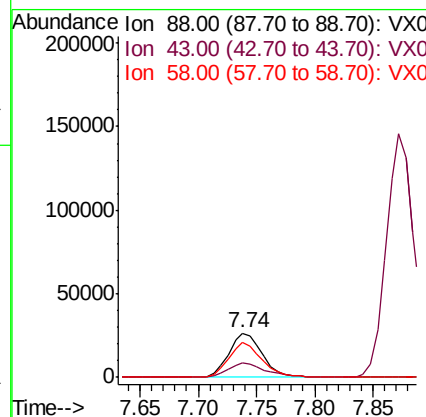
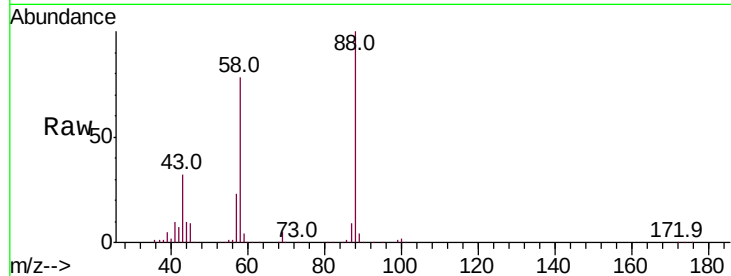
#49
1,4-Dioxane
Concen: 990.090 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	42.8
58	78.6	61.7	92.5

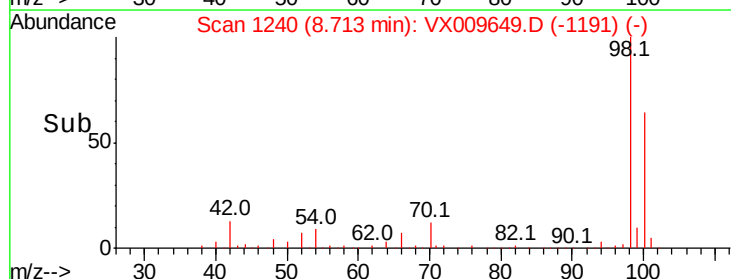
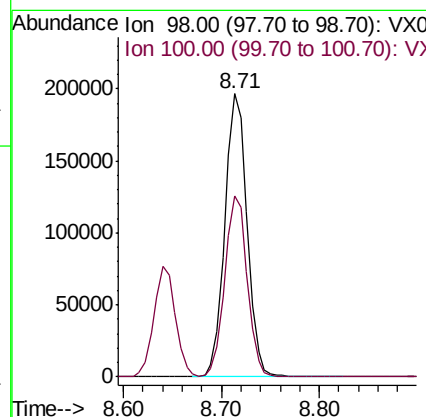
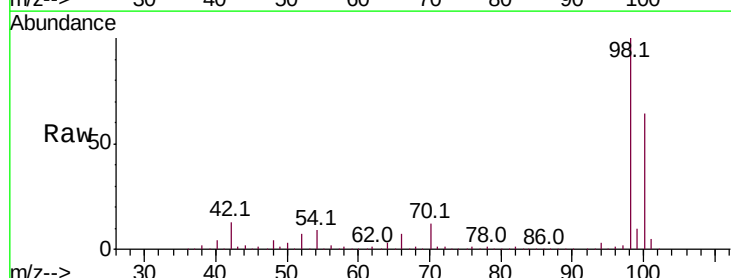
Manual Integrations
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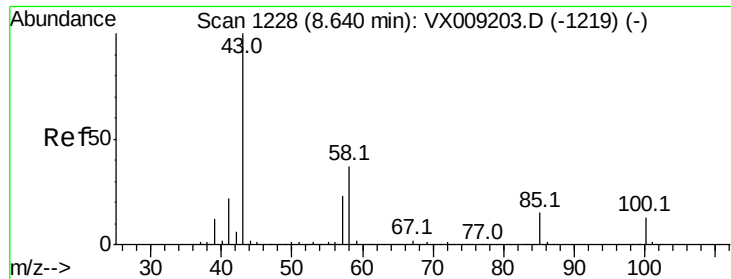
MMDadoda
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#50
Toluene-d8
Concen: 48.029 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 276.329 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 953656

Ion Ratio Lower Upper

43 100

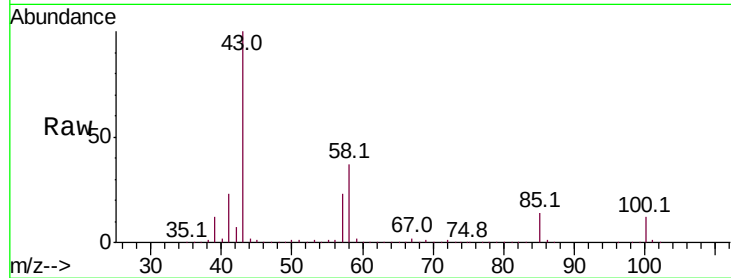
58 36.3 29.5 44.3

Manual Integrations

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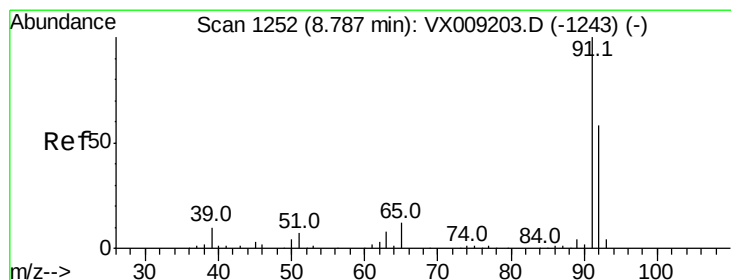
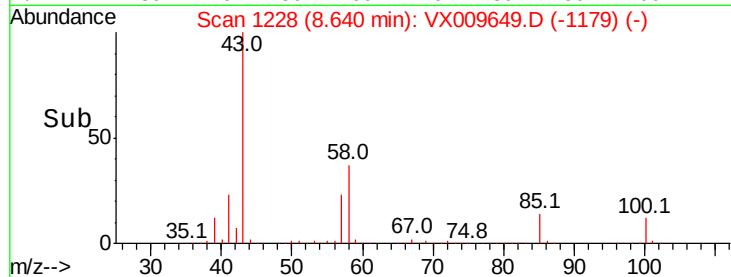
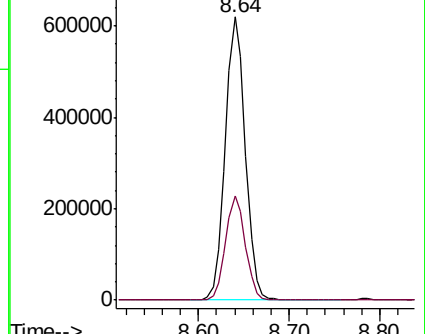
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.158 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009649.D

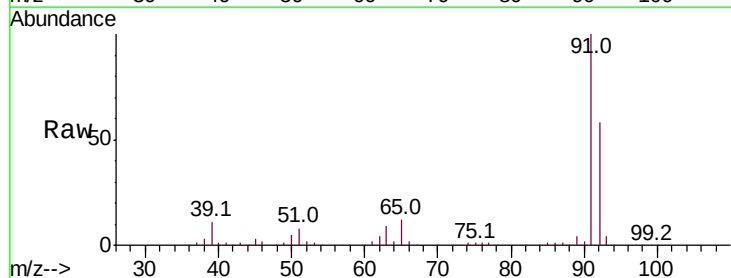
Acq: 17 May 2019 08:20

Tgt Ion: 92 Resp: 223556

Ion Ratio Lower Upper

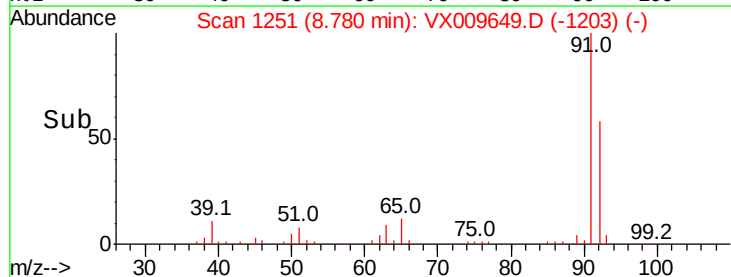
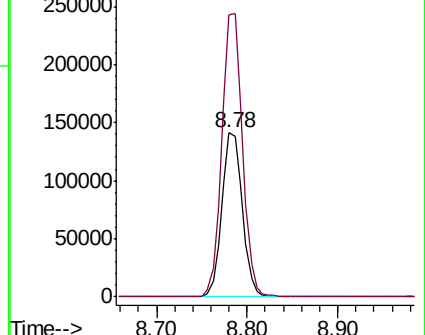
92 100

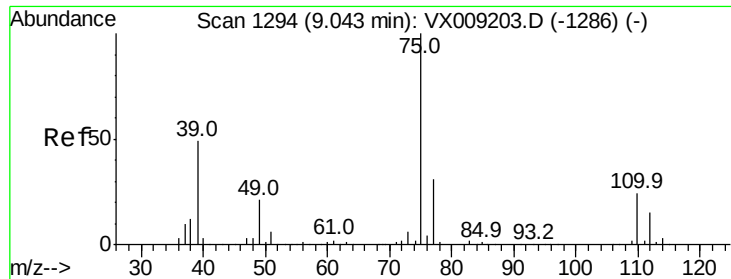
91 174.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





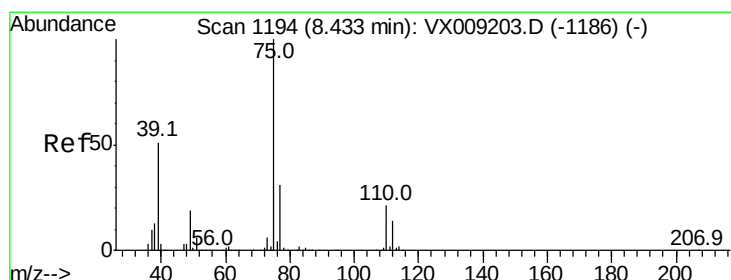
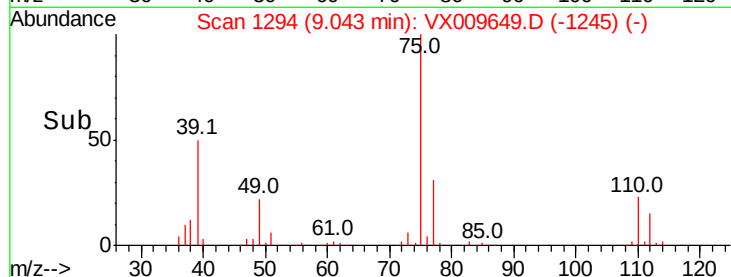
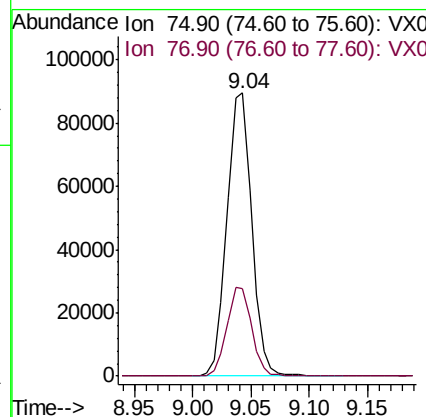
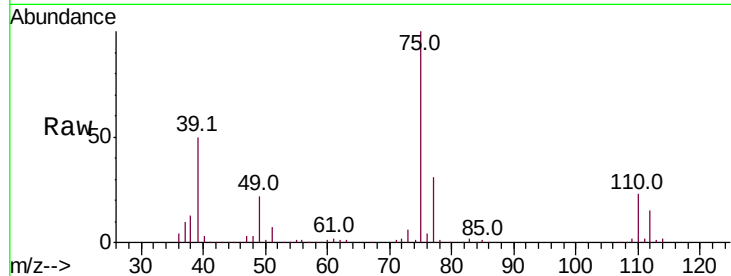
#53
 t-1,3-Dichloropropene
 Concen: 48.795 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 132490
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.6

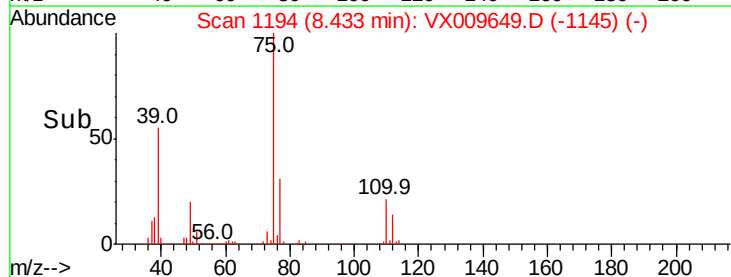
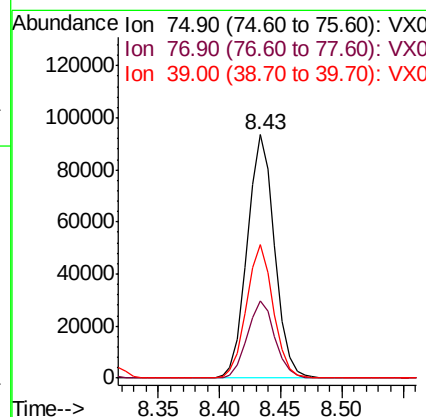
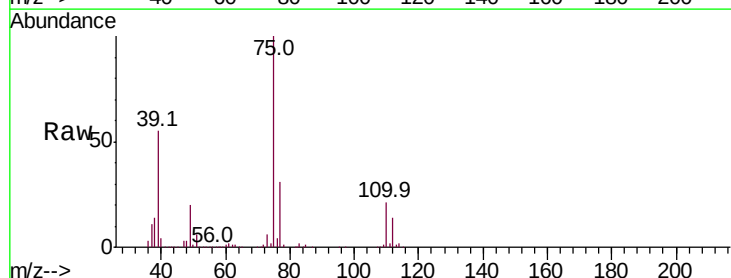
Manual Integrations
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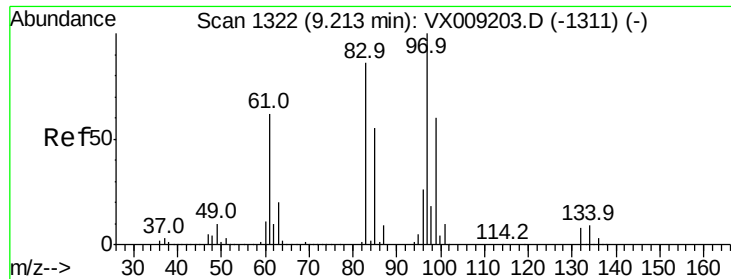
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#54
 cis-1,3-Dichloropropene
 Concen: 48.285 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion: 75 Resp: 145112
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 36.8
 39 54.6 40.6 60.8





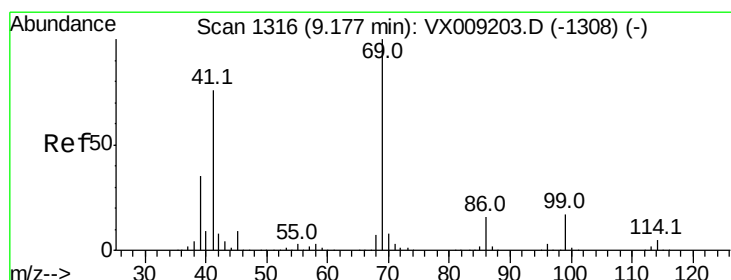
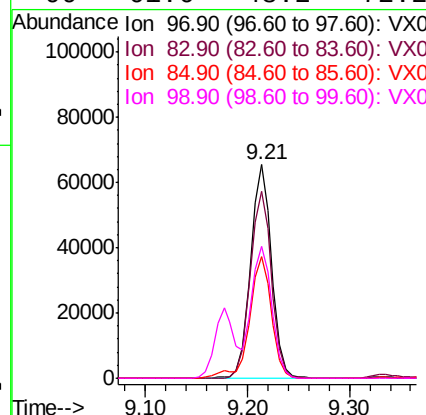
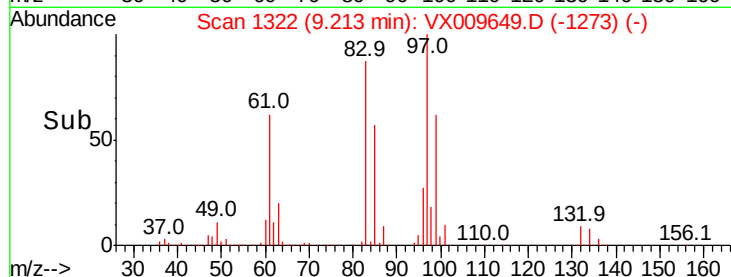
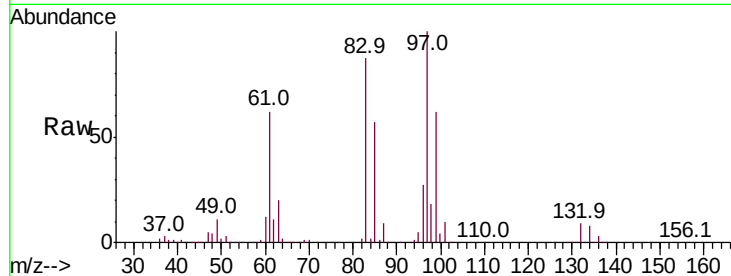
#55
 1,1,2-Trichloroethane
 Concen: 51.351 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	93373
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.9	103.3
85	56.7	43.8	65.6
99	61.6	48.2	72.2

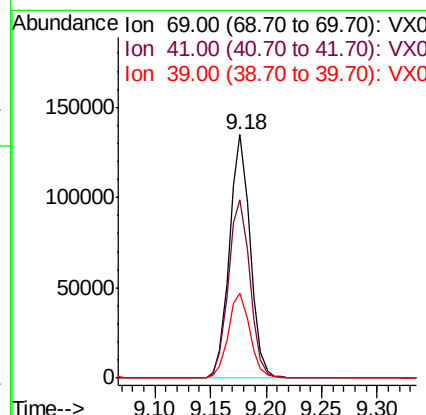
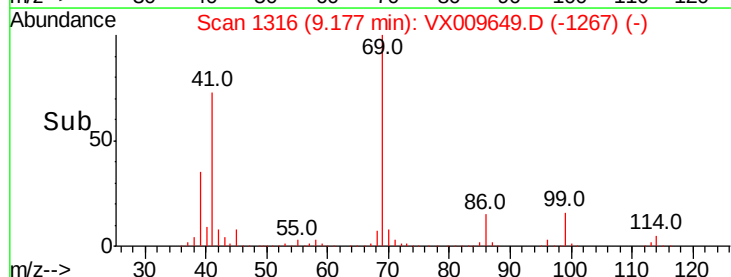
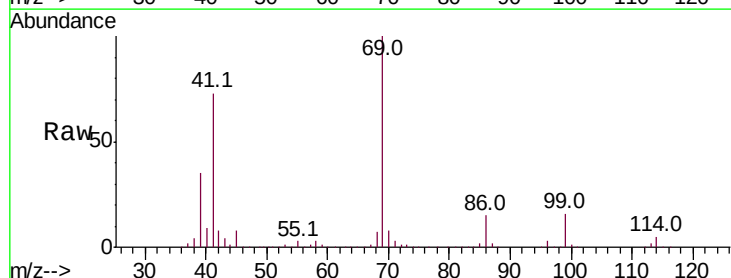
Manual Integrations
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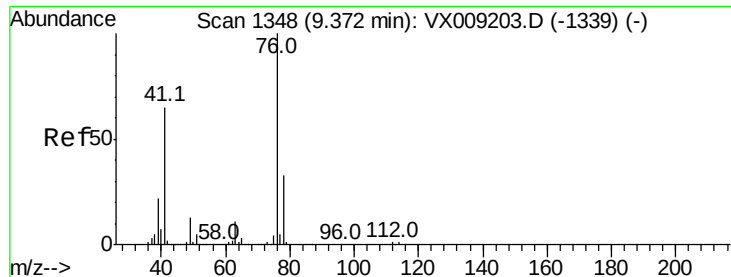
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#56
 Ethyl methacrylate
 Concen: 53.757 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion	69	Resp	174488
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.6	90.8
39	36.5	28.2	42.4





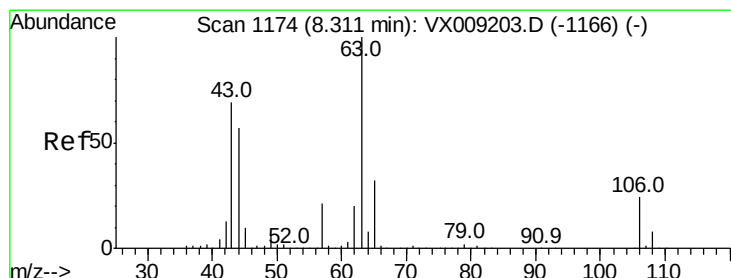
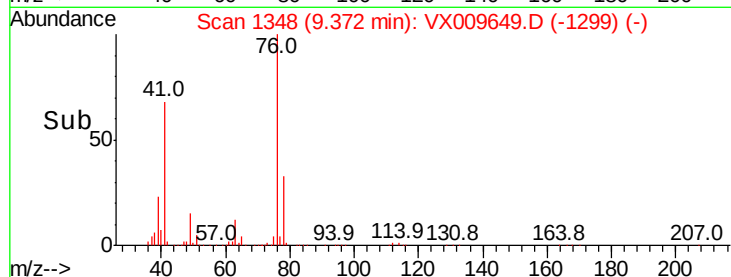
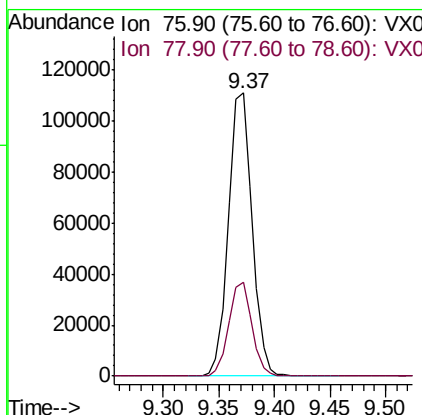
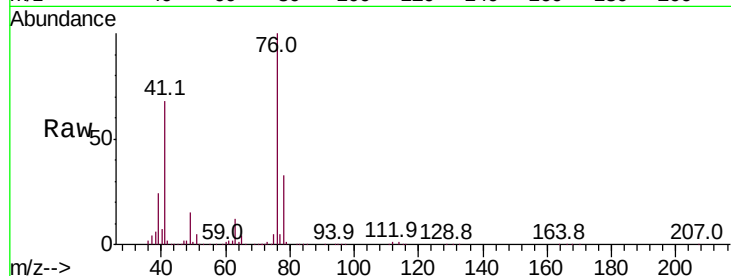
#57
 1,3-Dichloropropane
 Concen: 51.121 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 163580
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

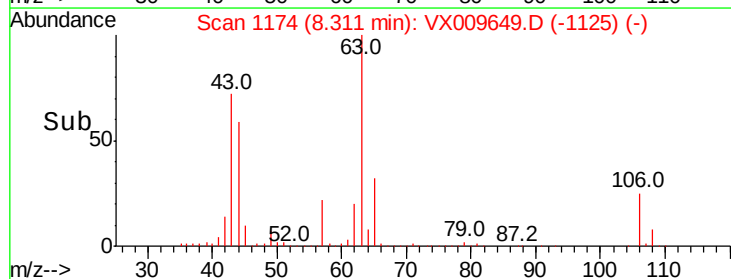
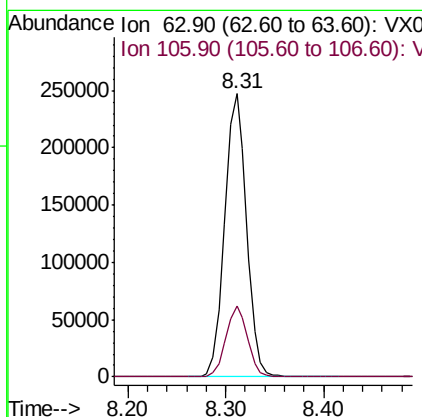
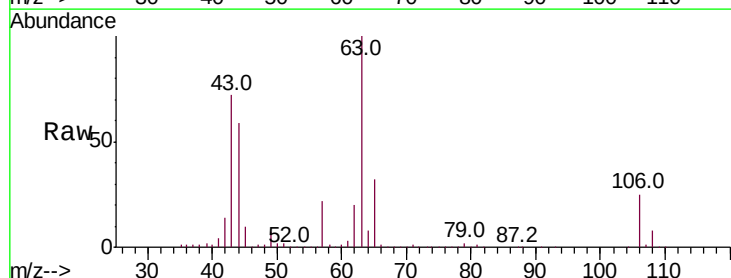
Manual Integrations
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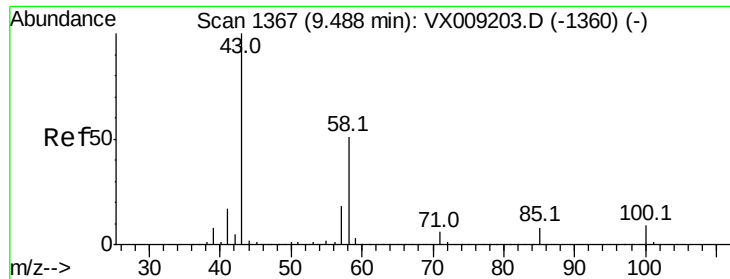
MMDadoda
 5/17/2019 1:21:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.388 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion: 63 Resp: 382933
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





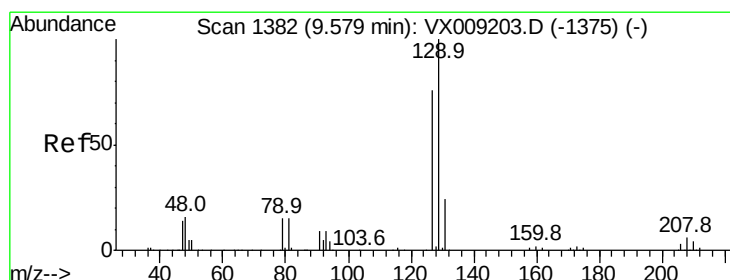
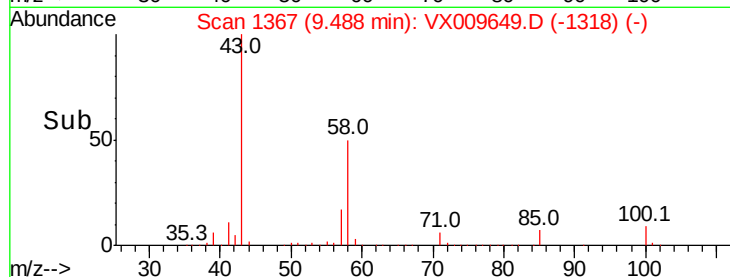
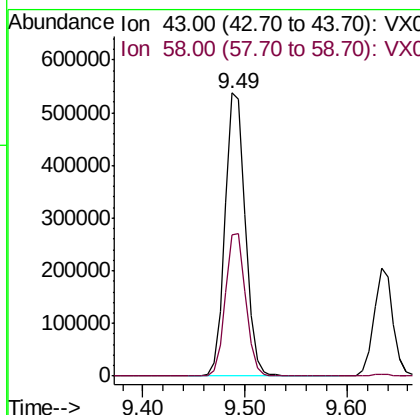
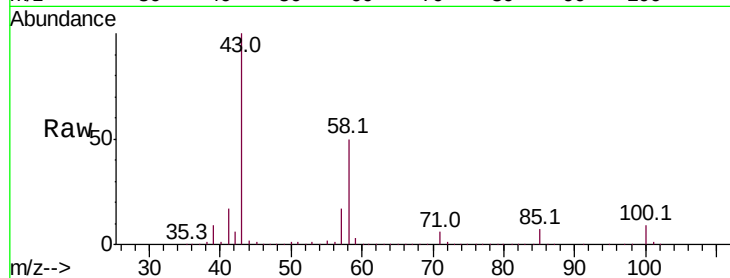
#59
2-Hexanone
Concen: 272.695 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 739140
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7

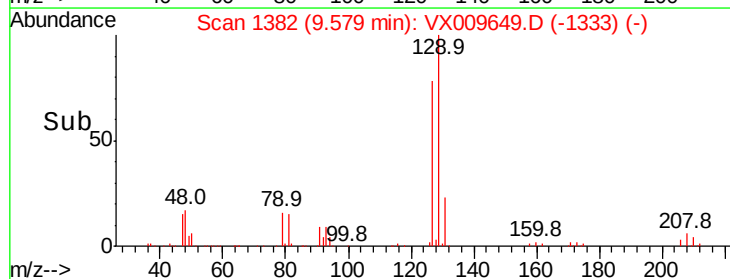
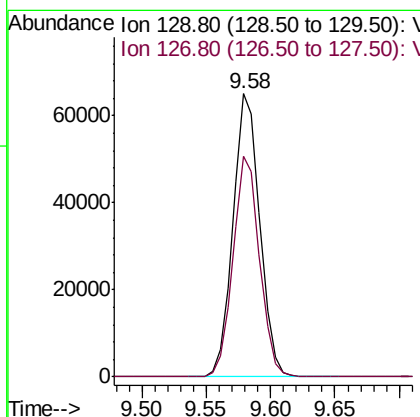
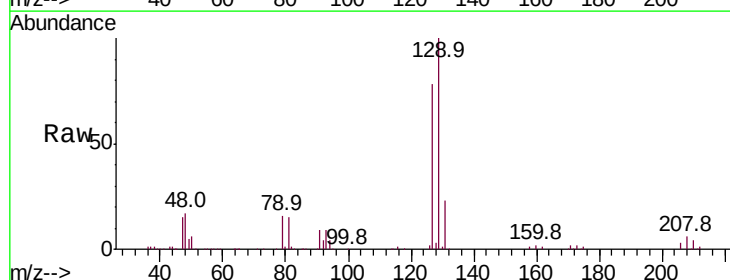
Manual Integrations
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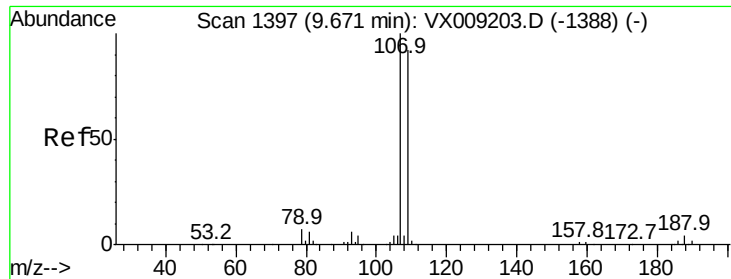
MMDadoda
5/17/2019 1:21:30 PM



#60
Dibromochloromethane
Concen: 53.047 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion: 129 Resp: 94209
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.730 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 94950

Ion Ratio Lower Upper

107 100

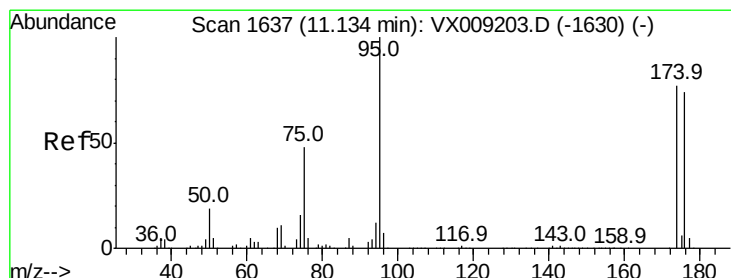
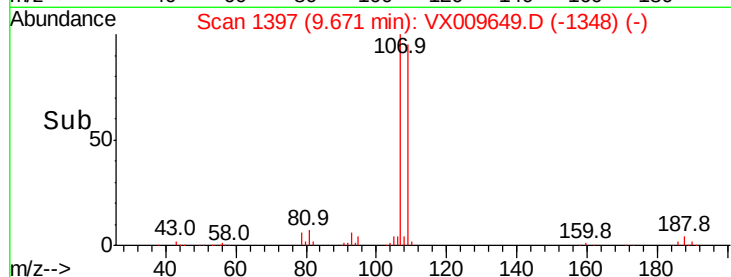
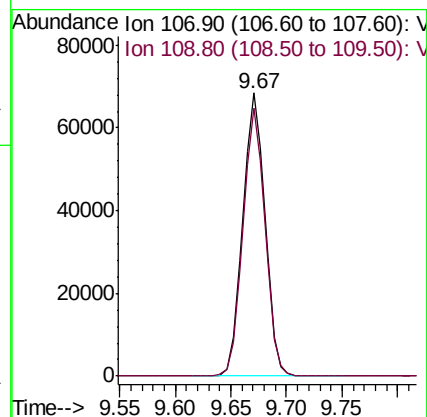
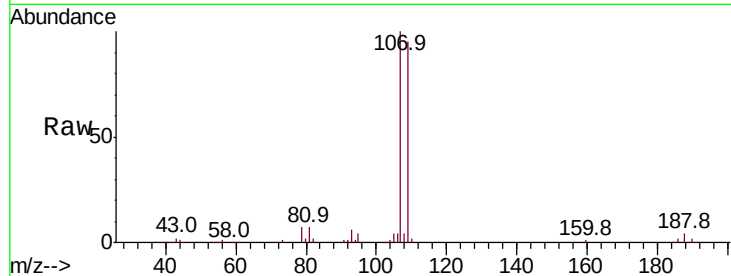
109 93.9 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.274 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

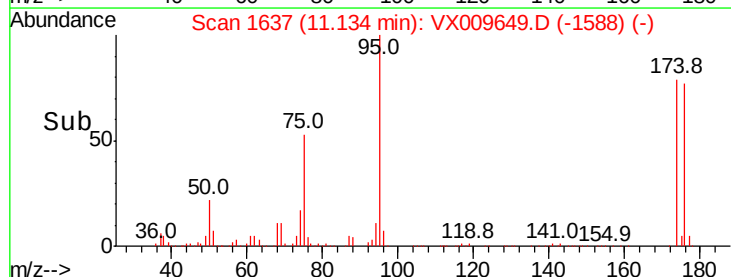
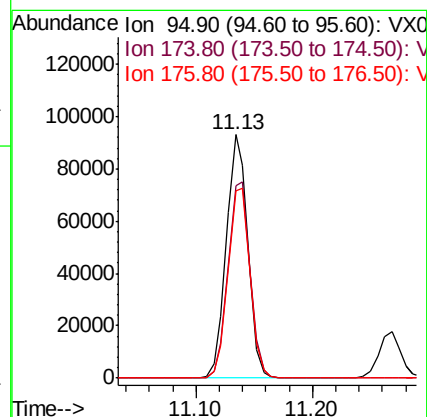
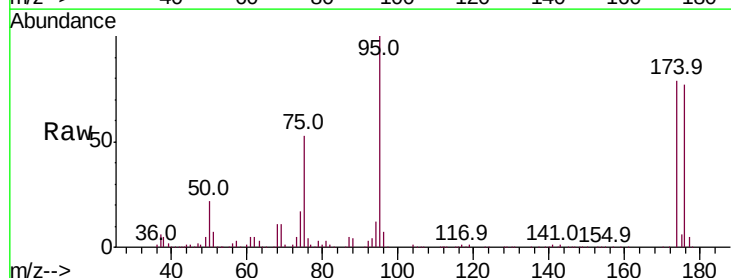
Tgt Ion: 95 Resp: 118196

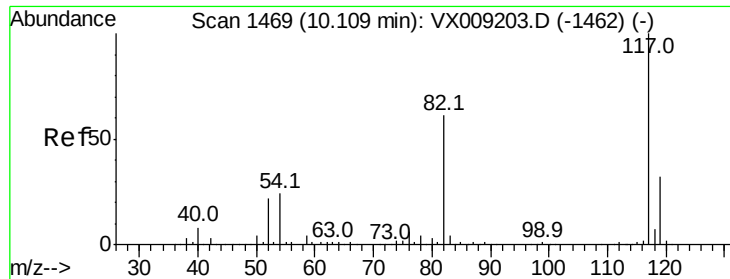
Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

176 80.2 0.0 159.2





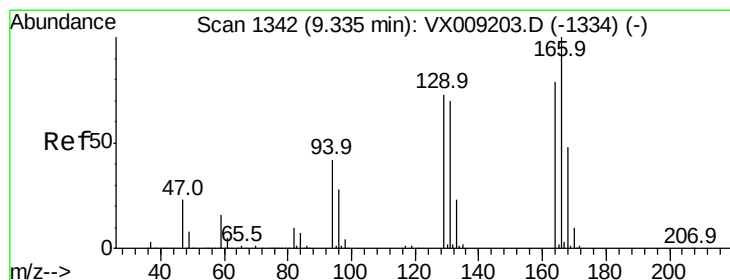
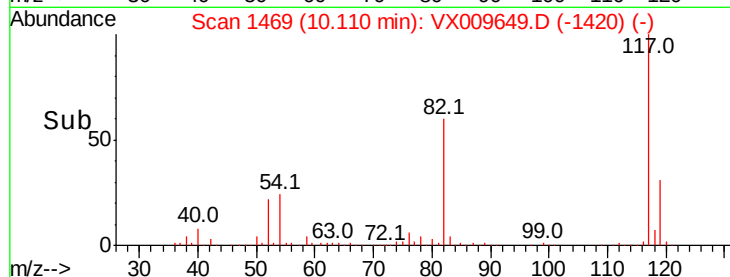
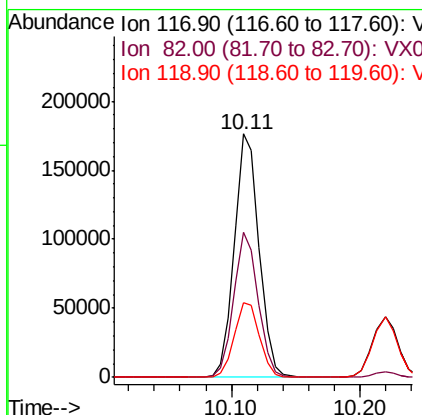
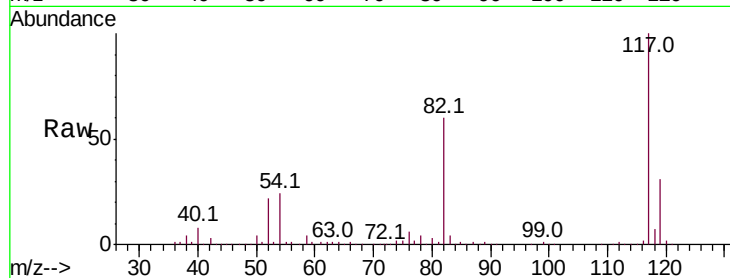
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	235536		
82	59.5	48.8	73.2	
119	30.8	25.8	38.6	

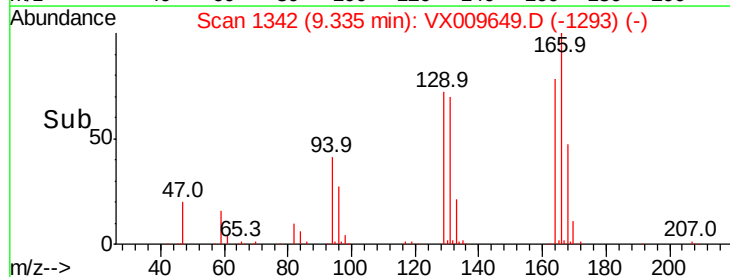
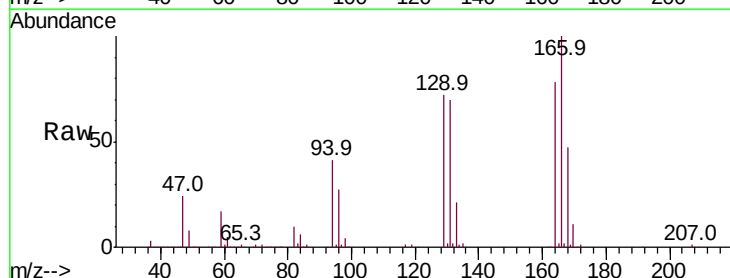
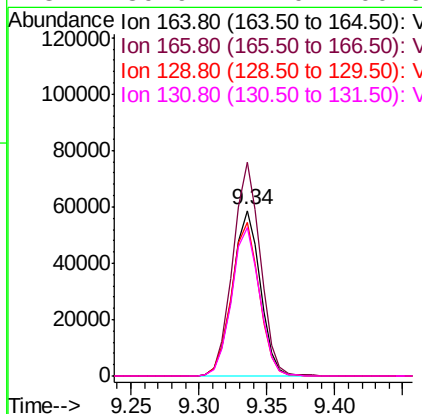
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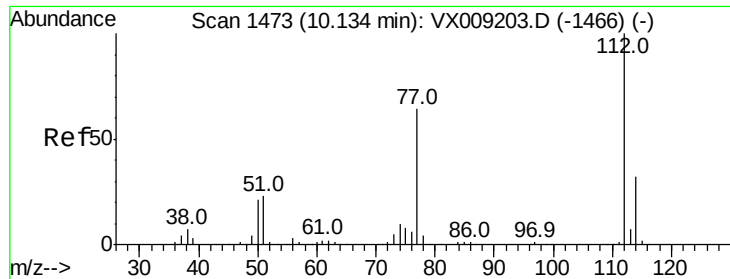
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#64
Tetrachloroethene
Concen: 51.729 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83577		
166	128.9	101.2	151.8	
129	92.4	74.3	111.5	
131	89.9	71.0	106.6	





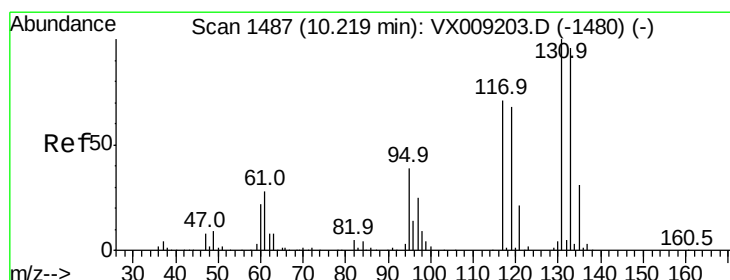
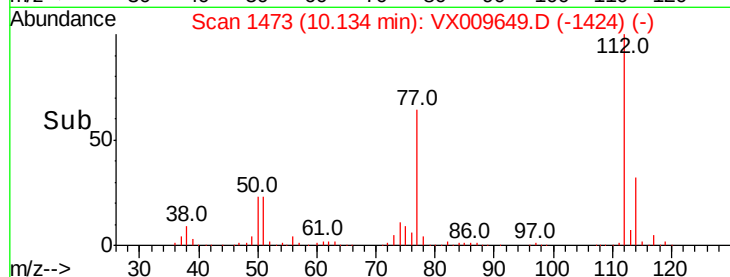
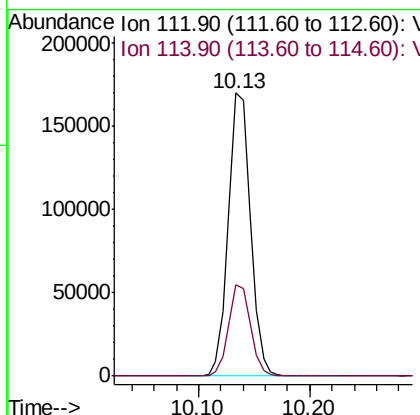
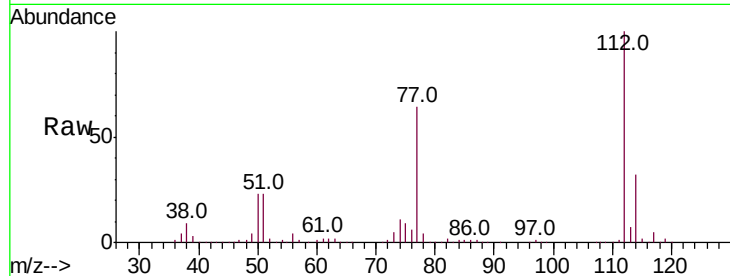
#65
Chlorobenzene
Concen: 49.968 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.5	38.3

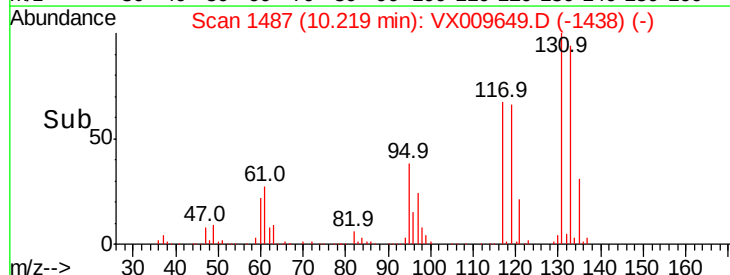
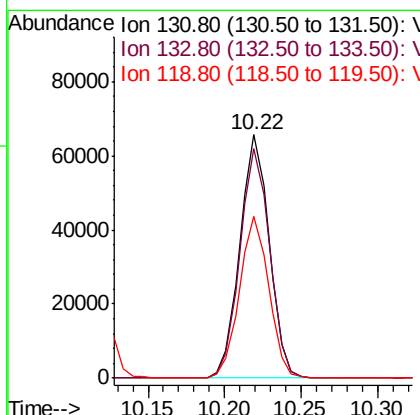
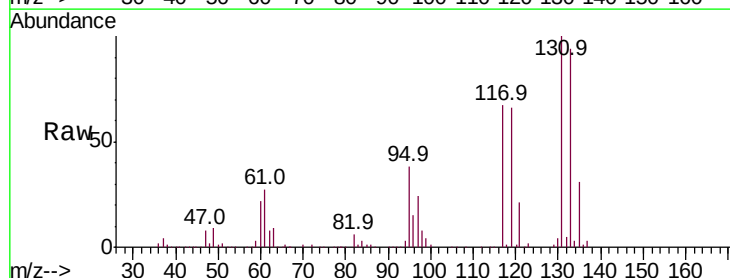
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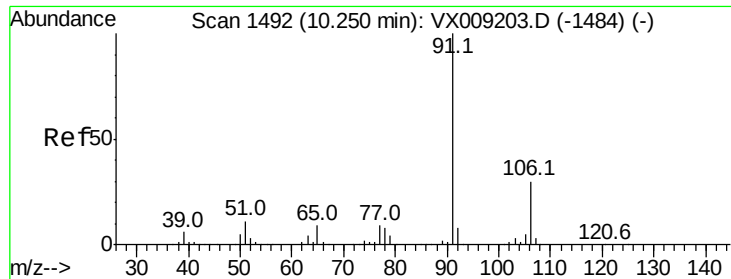
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.283 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	66.3	33.5	100.4





#67

Ethyl Benzene

Concen: 50.341 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 436534

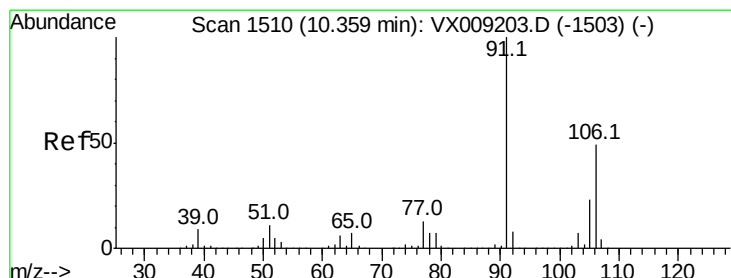
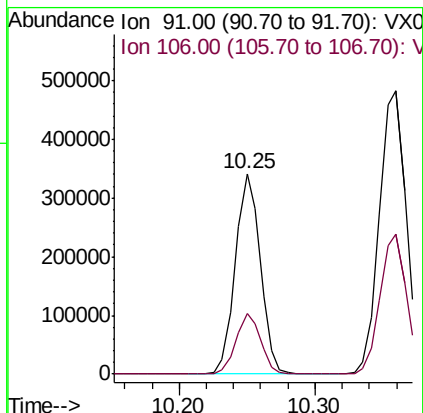
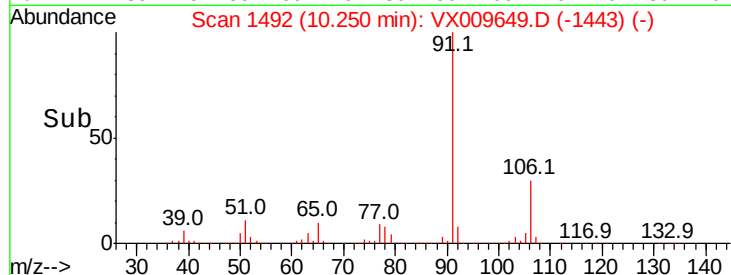
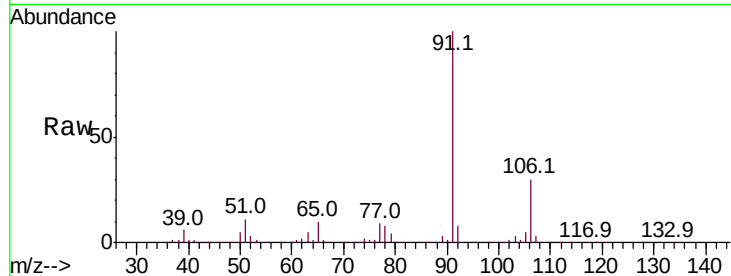
Ion Ratio Lower Upper

91 100

106 30.1 24.0 36.0

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#68

m/p-Xylenes

Concen: 101.686 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009649.D

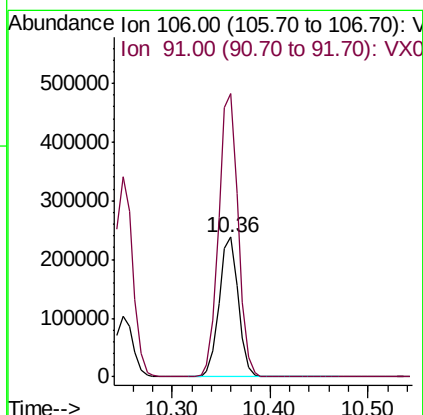
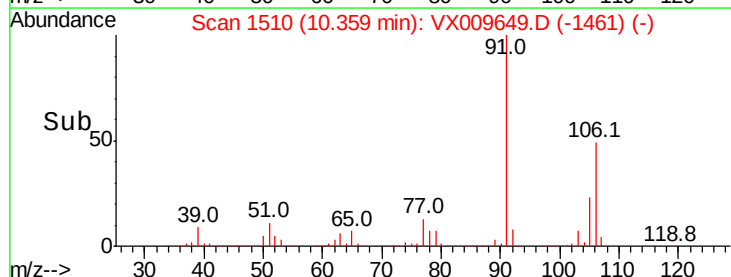
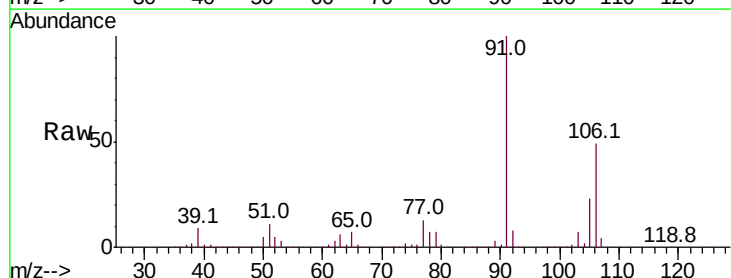
Acq: 17 May 2019 08:20

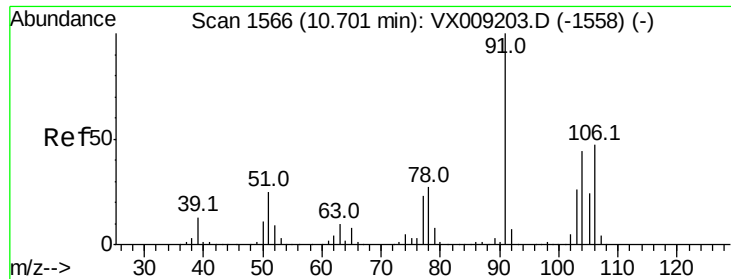
Tgt Ion: 106 Resp: 322226

Ion Ratio Lower Upper

106 100

91 206.3 164.0 246.0





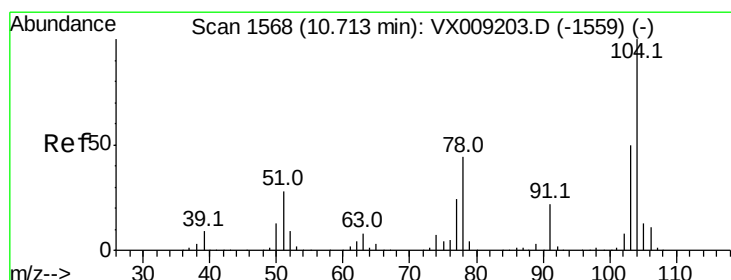
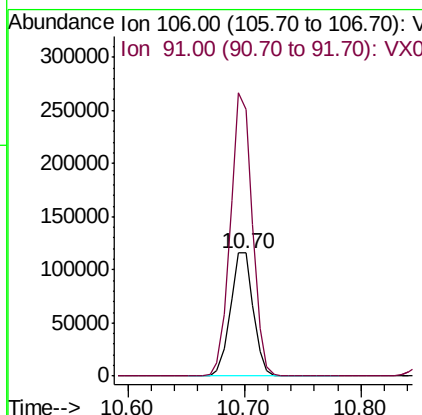
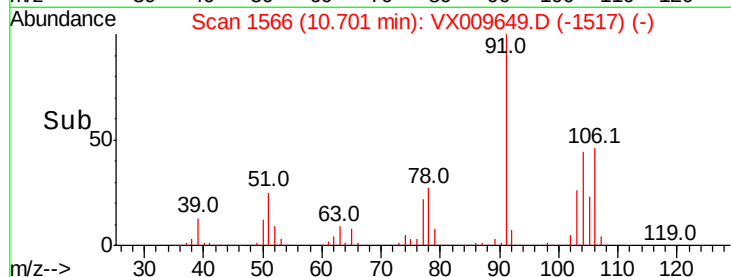
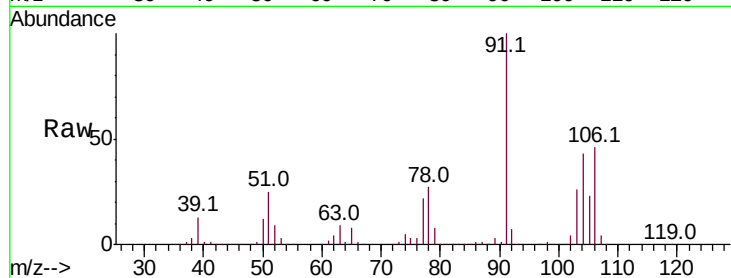
#69
o-Xylene
Concen: 50.618 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 158258
Ion Ratio Lower Upper
106 100
91 220.8 109.5 328.4

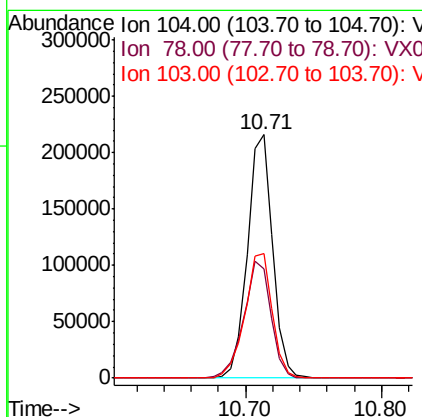
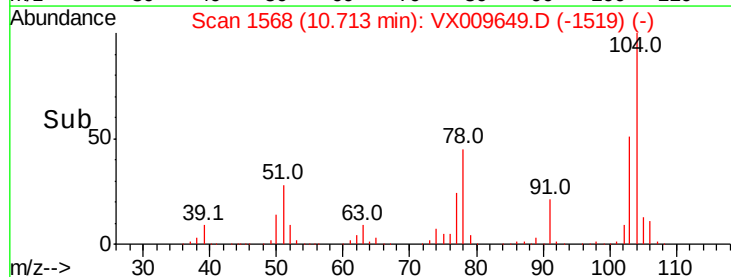
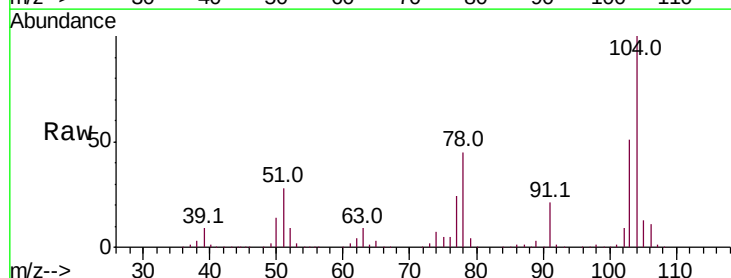
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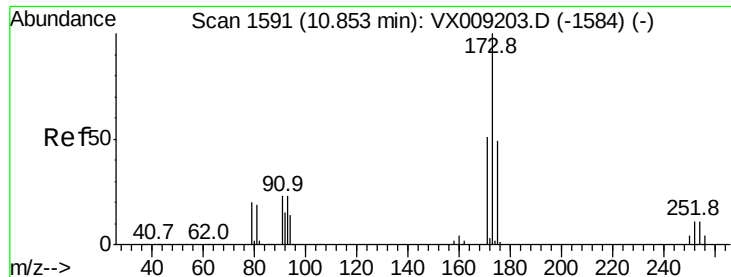
MMDadoda
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#70
Styrene
Concen: 51.373 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion:104 Resp: 279165
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 55.8 43.8 65.6





#71

Bromoform

Concen: 53.454 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 74204

Ion Ratio Lower Upper

173 100

175 48.6 24.5 73.5

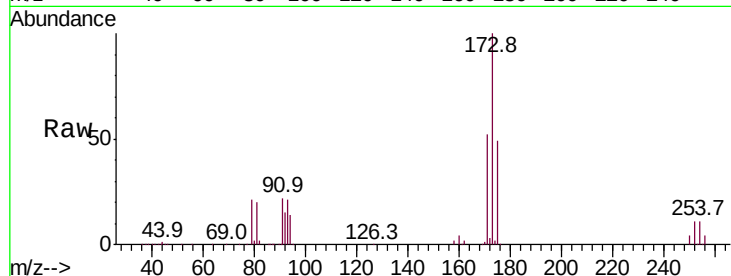
254 0.2 0.1 0.1#

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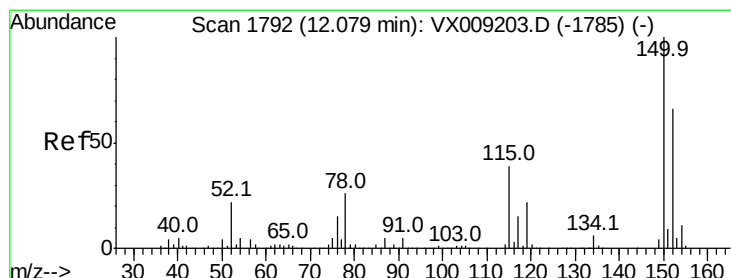
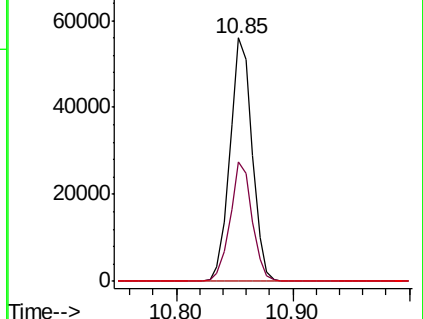
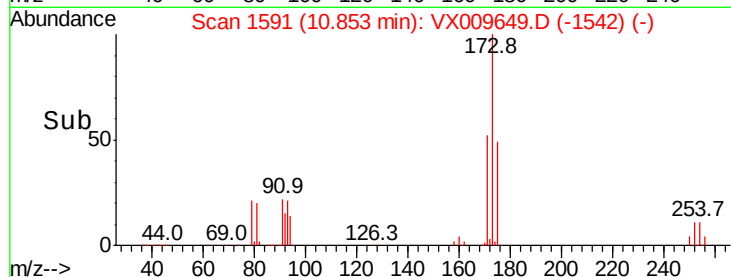
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

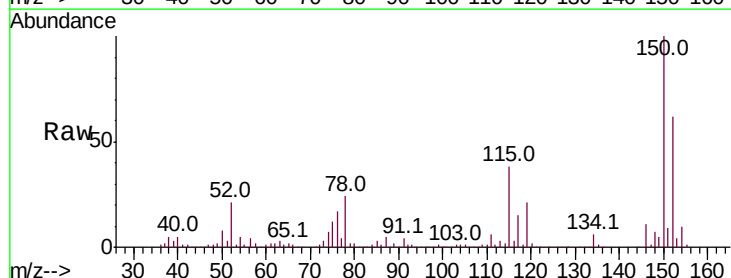
Tgt Ion:152 Resp: 118079

Ion Ratio Lower Upper

152 100

115 81.8 41.2 123.6

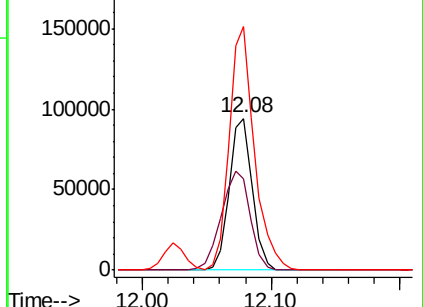
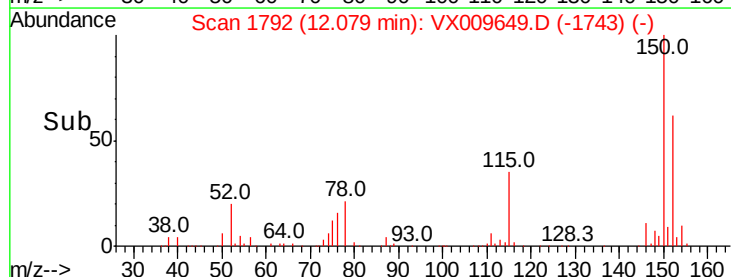
150 174.5 0.0 346.4

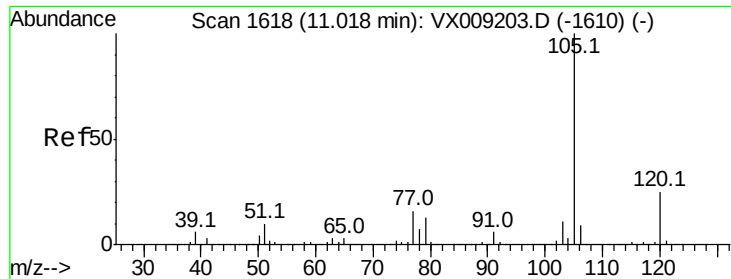


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.987 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 420628

Ion Ratio Lower Upper

105 100

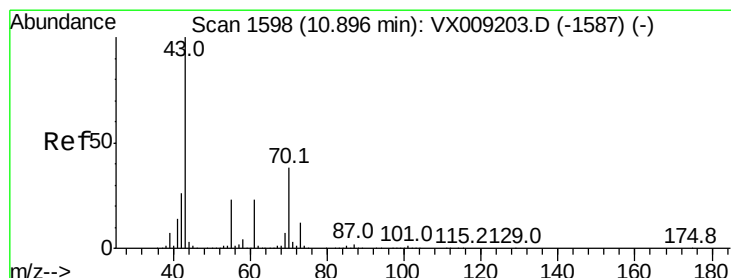
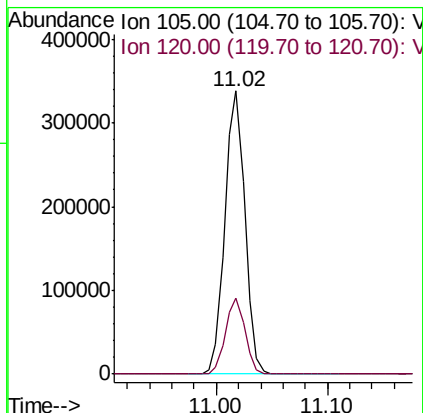
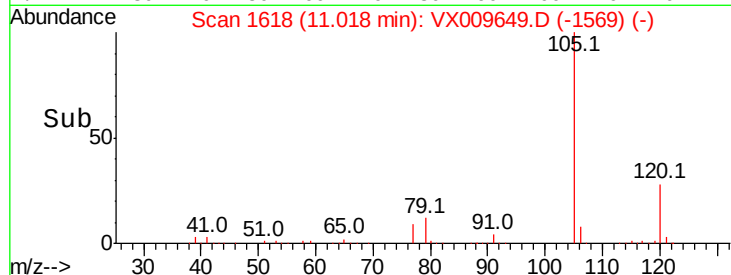
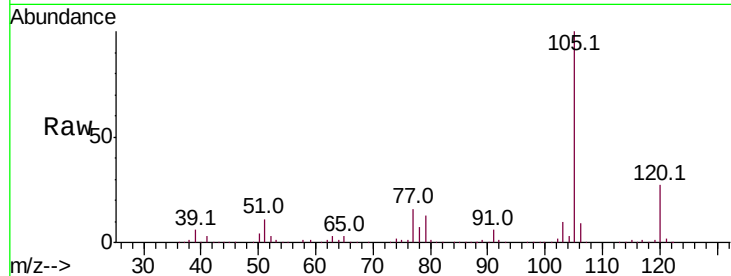
120 26.2 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.316 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion: 43 Resp: 261897

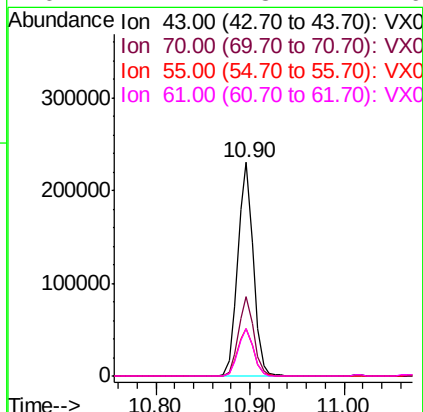
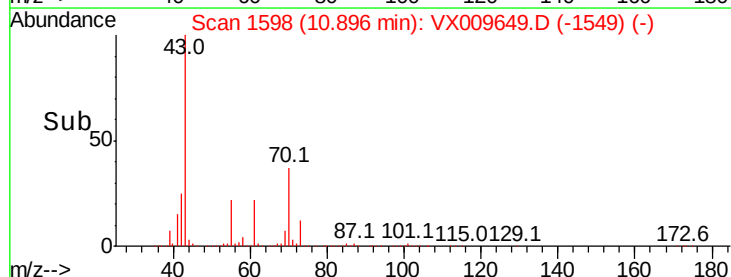
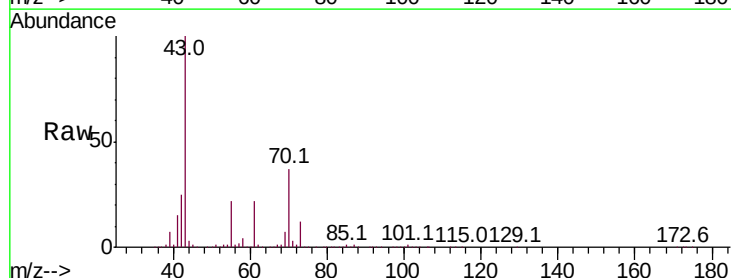
Ion Ratio Lower Upper

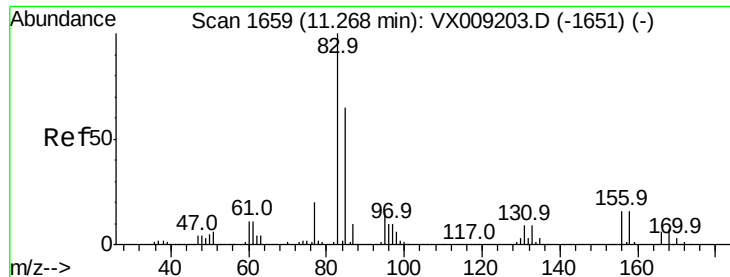
43 100

70 36.4 30.0 45.0

55 22.6 17.9 26.9

61 22.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.986 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 160002

Ion Ratio Lower Upper

83 100

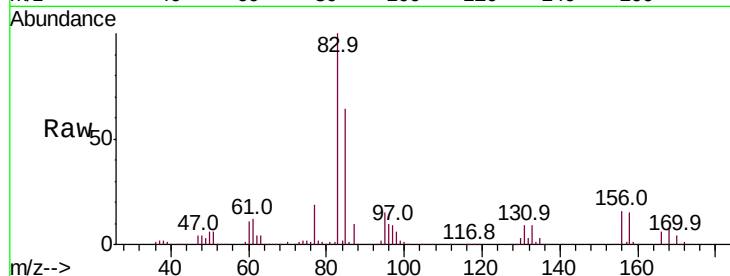
131 9.3 4.6 13.8

85 63.8 32.0 96.2

Manual Integrations
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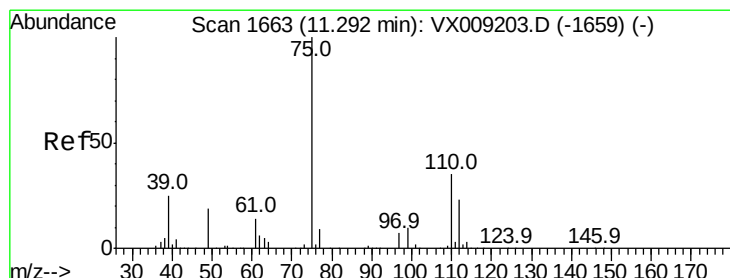
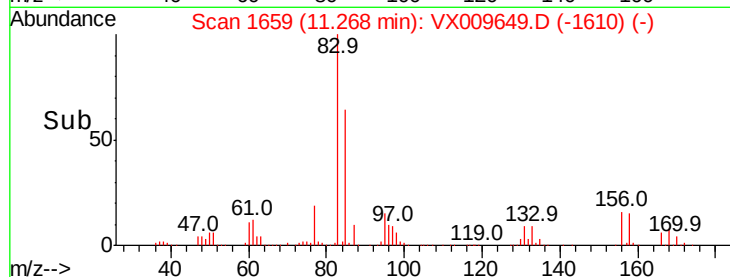
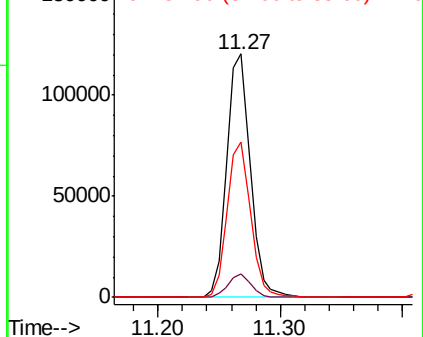
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.991 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009649.D

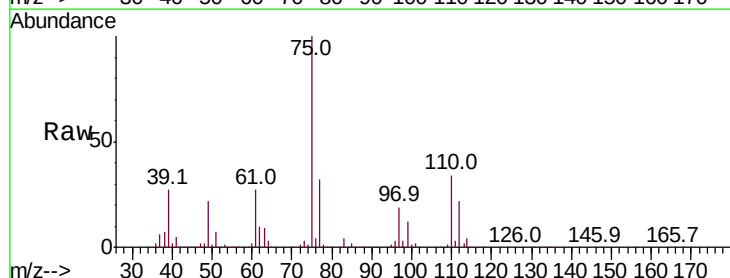
Acq: 17 May 2019 08:20

Tgt Ion: 75 Resp: 136927

Ion Ratio Lower Upper

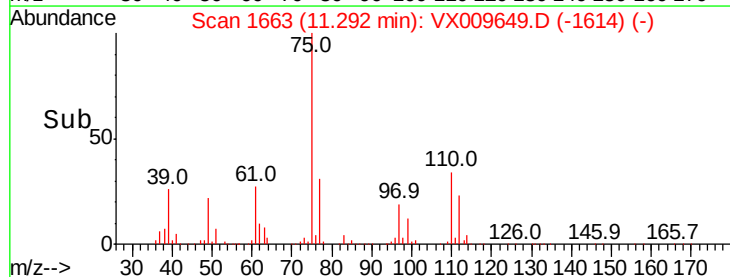
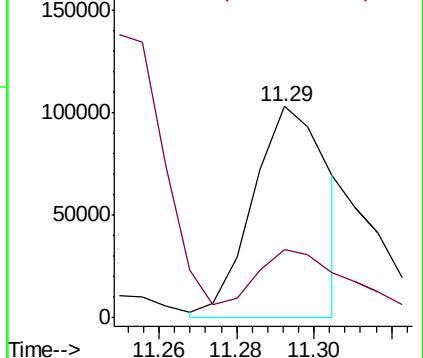
75 100

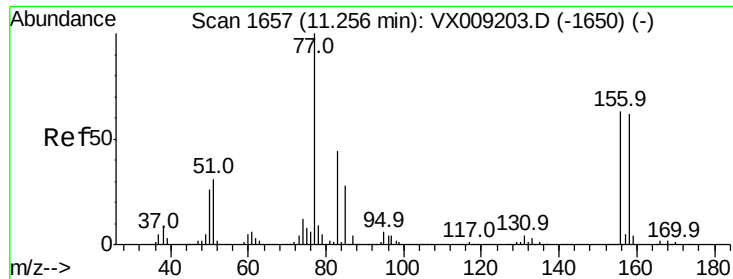
77 42.3 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.863 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 106269

Ion Ratio Lower Upper

156 100

77 169.1 84.8 254.3

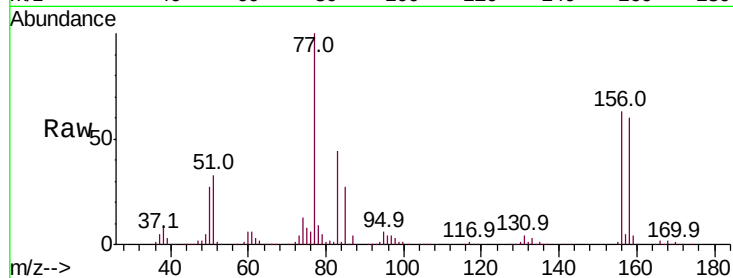
158 97.1 49.1 147.3

Manual Integrations

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MMDadoda

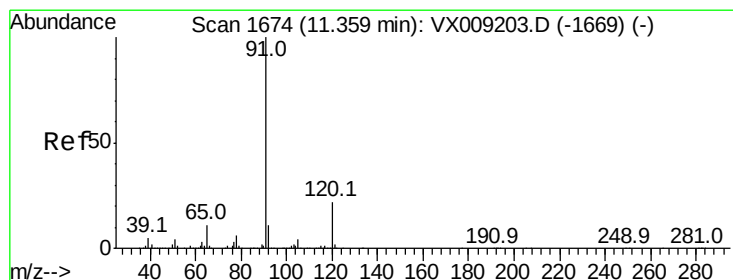
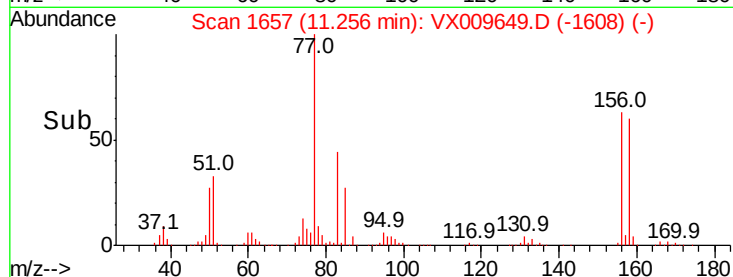
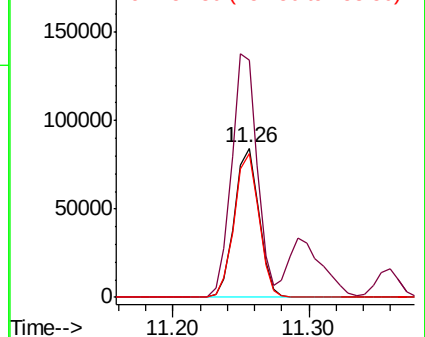
5/17/2019 1:21:30 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.379 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009649.D

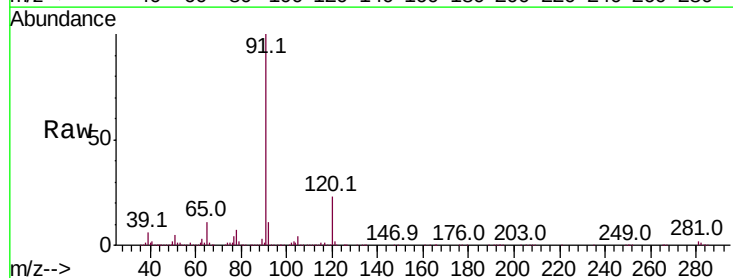
Acq: 17 May 2019 08:20

Tgt Ion: 91 Resp: 484224

Ion Ratio Lower Upper

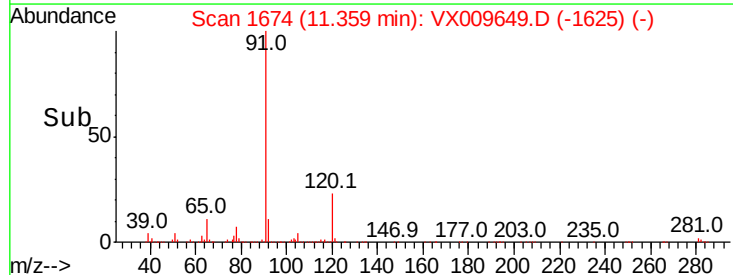
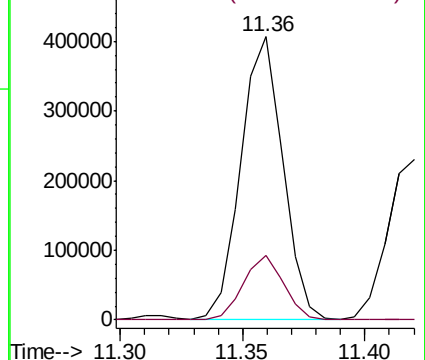
91 100

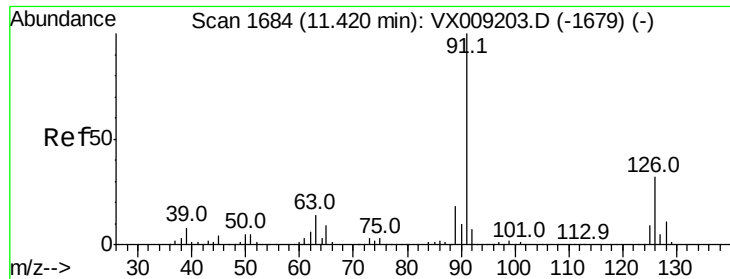
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.501 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 293428

Ion Ratio Lower Upper

91 100

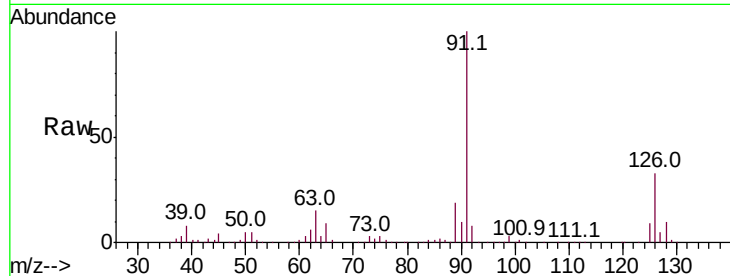
126 32.3 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:21:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

125.90 (125.60 to 126.60): VX009203.D (-1679) (-)

126.00 (125.70 to 126.30): VX009203.D (-1679) (-)

127.00 (126.70 to 127.30): VX009203.D (-1679) (-)

128.00 (127.70 to 128.30): VX009203.D (-1679) (-)

129.00 (128.70 to 129.30): VX009203.D (-1679) (-)

130.00 (129.70 to 130.30): VX009203.D (-1679) (-)

131.00 (130.70 to 131.30): VX009203.D (-1679) (-)

132.00 (131.70 to 132.30): VX009203.D (-1679) (-)

133.00 (132.70 to 133.30): VX009203.D (-1679) (-)

134.00 (133.70 to 134.30): VX009203.D (-1679) (-)

135.00 (134.70 to 135.30): VX009203.D (-1679) (-)

136.00 (135.70 to 136.30): VX009203.D (-1679) (-)

137.00 (136.70 to 137.30): VX009203.D (-1679) (-)

138.00 (137.70 to 138.30): VX009203.D (-1679) (-)

139.00 (138.70 to 139.30): VX009203.D (-1679) (-)

140.00 (139.70 to 140.30): VX009203.D (-1679) (-)

141.00 (140.70 to 141.30): VX009203.D (-1679) (-)

142.00 (141.70 to 142.30): VX009203.D (-1679) (-)

143.00 (142.70 to 143.30): VX009203.D (-1679) (-)

144.00 (143.70 to 144.30): VX009203.D (-1679) (-)

145.00 (144.70 to 145.30): VX009203.D (-1679) (-)

146.00 (145.70 to 146.30): VX009203.D (-1679) (-)

147.00 (146.70 to 147.30): VX009203.D (-1679) (-)

148.00 (147.70 to 148.30): VX009203.D (-1679) (-)

149.00 (148.70 to 149.30): VX009203.D (-1679) (-)

150.00 (149.70 to 150.30): VX009203.D (-1679) (-)

151.00 (150.70 to 151.30): VX009203.D (-1679) (-)

152.00 (151.70 to 152.30): VX009203.D (-1679) (-)

153.00 (152.70 to 153.30): VX009203.D (-1679) (-)

154.00 (153.70 to 154.30): VX009203.D (-1679) (-)

155.00 (154.70 to 155.30): VX009203.D (-1679) (-)

156.00 (155.70 to 156.30): VX009203.D (-1679) (-)

157.00 (156.70 to 157.30): VX009203.D (-1679) (-)

158.00 (157.70 to 158.30): VX009203.D (-1679) (-)

159.00 (158.70 to 159.30): VX009203.D (-1679) (-)

160.00 (159.70 to 160.30): VX009203.D (-1679) (-)

161.00 (160.70 to 161.30): VX009203.D (-1679) (-)

162.00 (161.70 to 162.30): VX009203.D (-1679) (-)

163.00 (162.70 to 163.30): VX009203.D (-1679) (-)

164.00 (163.70 to 164.30): VX009203.D (-1679) (-)

165.00 (164.70 to 165.30): VX009203.D (-1679) (-)

166.00 (165.70 to 166.30): VX009203.D (-1679) (-)

167.00 (166.70 to 167.30): VX009203.D (-1679) (-)

168.00 (167.70 to 168.30): VX009203.D (-1679) (-)

169.00 (168.70 to 169.30): VX009203.D (-1679) (-)

170.00 (169.70 to 170.30): VX009203.D (-1679) (-)

171.00 (170.70 to 171.30): VX009203.D (-1679) (-)

172.00 (171.70 to 172.30): VX009203.D (-1679) (-)

173.00 (172.70 to 173.30): VX009203.D (-1679) (-)

174.00 (173.70 to 174.30): VX009203.D (-1679) (-)

175.00 (174.70 to 175.30): VX009203.D (-1679) (-)

176.00 (175.70 to 176.30): VX009203.D (-1679) (-)

177.00 (176.70 to 177.30): VX009203.D (-1679) (-)

178.00 (177.70 to 178.30): VX009203.D (-1679) (-)

179.00 (178.70 to 179.30): VX009203.D (-1679) (-)

180.00 (179.70 to 180.30): VX009203.D (-1679) (-)

181.00 (180.70 to 181.30): VX009203.D (-1679) (-)

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194.00 (193.70 to 194.30): VX009203.D (-1679) (-)

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196.00 (195.70 to 196.30): VX009203.D (-1679) (-)

197.00 (196.70 to 197.30): VX009203.D (-1679) (-)

198.00 (197.70 to 198.30): VX009203.D (-1679) (-)

199.00 (198.70 to 199.30): VX009203.D (-1679) (-)

200.00 (199.70 to 200.30): VX009203.D (-1679) (-)

201.00 (200.70 to 201.30): VX009203.D (-1679) (-)

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207.00 (206.70 to 207.30): VX009203.D (-1679) (-)

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210.00 (209.70 to 210.30): VX009203.D (-1679) (-)

211.00 (210.70 to 211.30): VX009203.D (-1679) (-)

212.00 (211.70 to 212.30): VX009203.D (-1679) (-)

213.00 (212.70 to 213.30): VX009203.D (-1679) (-)

214.00 (213.70 to 214.30): VX009203.D (-1679) (-)

215.00 (214.70 to 215.30): VX009203.D (-1679) (-)

216.00 (215.70 to 216.30): VX009203.D (-1679) (-)

217.00 (216.70 to 217.30): VX009203.D (-1679) (-)

218.00 (217.70 to 218.30): VX009203.D (-1679) (-)

219.00 (218.70 to 219.30): VX009203.D (-1679) (-)

220.00 (219.70 to 220.30): VX009203.D (-1679) (-)

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235.00 (234.70 to 235.30): VX009203.D (-1679) (-)

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237.00 (236.70 to 237.30): VX009203.D (-1679) (-)

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239.00 (238.70 to 239.30): VX009203.D (-1679) (-)

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254.00 (253.70 to 254.30): VX009203.D (-1679) (-)

255.00 (254.70 to 255.30): VX009203.D (-1679) (-)

256.00 (255.70 to 256.30): VX009203.D (-1679) (-)

257.00 (256.70 to 257.30): VX009203.D (-1679) (-)

258.00 (257.70 to 258.30): VX009203.D (-1679) (-)

259.00 (258.70 to 259.30): VX009203.D (-1679) (-)

260.00 (259.70 to 260.30): VX009203.D (-1679) (-)

261.00 (260.70 to 261.30): VX009203.D (-1679) (-)

262.00 (261.70 to 262.30): VX009203.D (-1679) (-)

263.00 (262.70 to 263.30): VX009203.D (-1679) (-)

264.00 (263.70 to 264.30): VX009203.D (-1679) (-)

265.00 (264.70 to 265.30): VX009203.D (-1679) (-)

266.00 (265.70 to 266.30): VX009203.D (-1679) (-)

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268.00 (267.70 to 268.30): VX009203.D (-1679) (-)

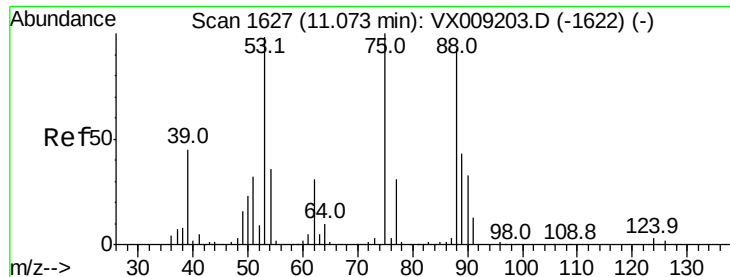
269.00 (268.70 to 269.30): VX009203.D (-1679) (-)

270.00 (269.70 to 270.30): VX009203.D (-1679) (-)

271.00 (270.70 to 271.30): VX009203.D (-1679) (-)

272.00 (271.70 to 272.30): VX009203.D (-1679) (-)

273.00 (272.70 to 273.30): VX009203.D (-1679) (-)



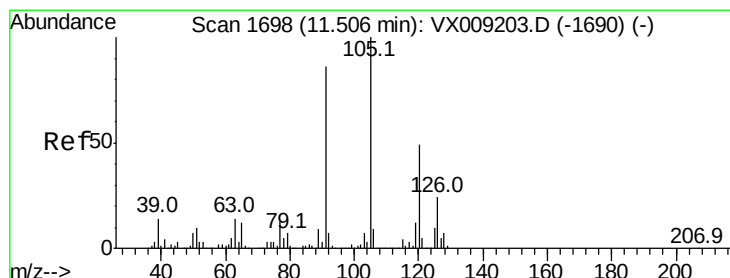
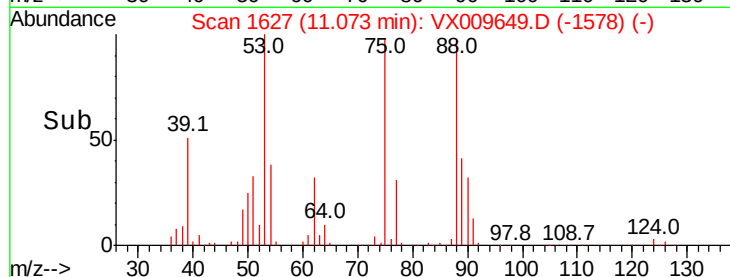
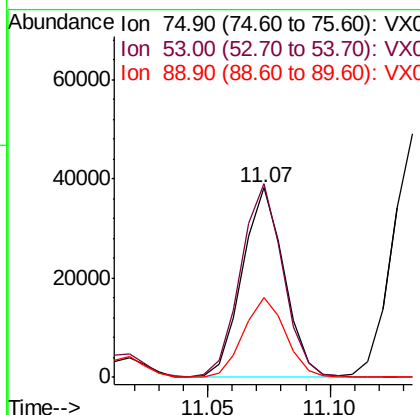
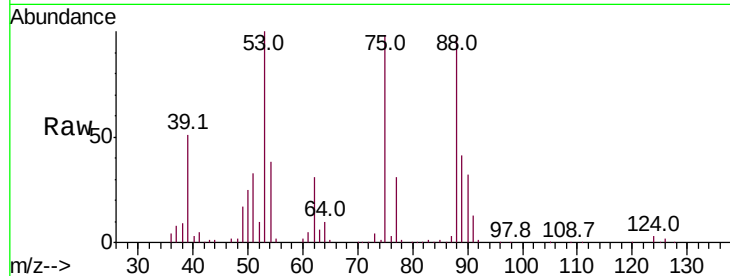
#81
trans-1,4-Dichloro-2-butene
Concen: 42.503 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 45499
Ion Ratio Lower Upper
75 100
53 102.5 79.0 118.6
89 42.2 34.7 52.1

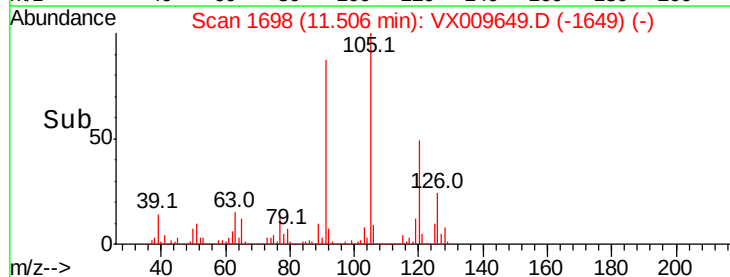
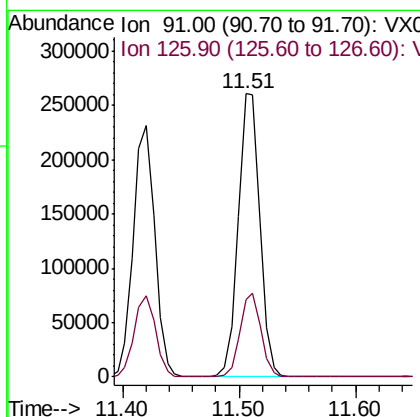
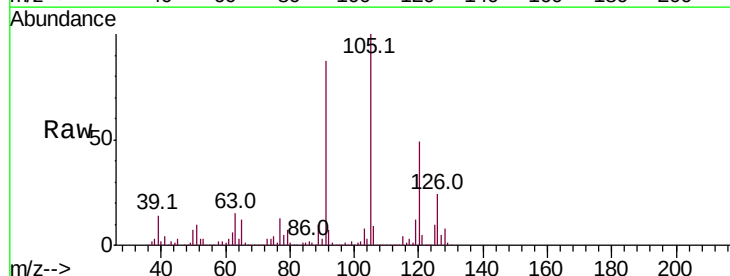
Manual Integrations
APPROVED

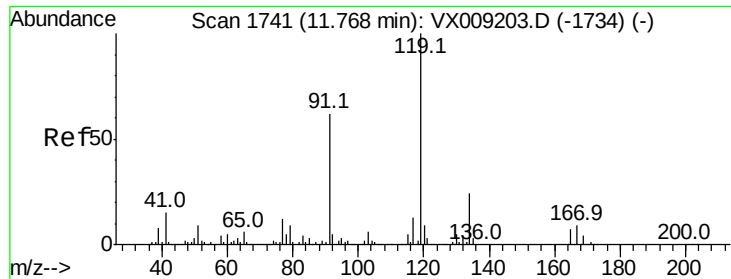
MMDadoda
5/17/2019 1:21:30 PM



#82
4-Chlorotoluene
Concen: 49.433 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion: 91 Resp: 337865
Ion Ratio Lower Upper
91 100
126 28.6 14.5 43.6





#83

tert-Butylbenzene

Concen: 48.752 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

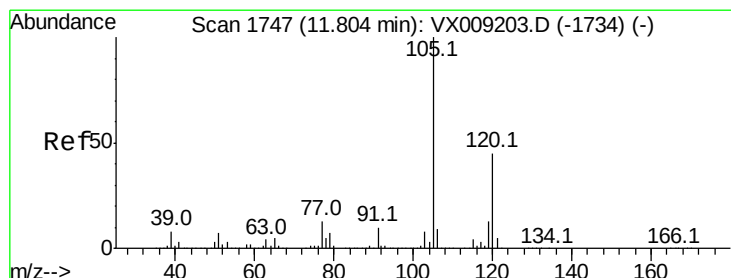
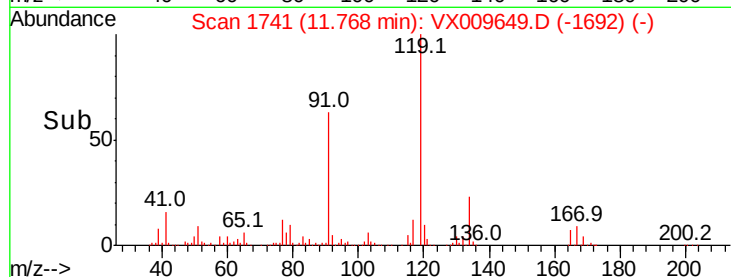
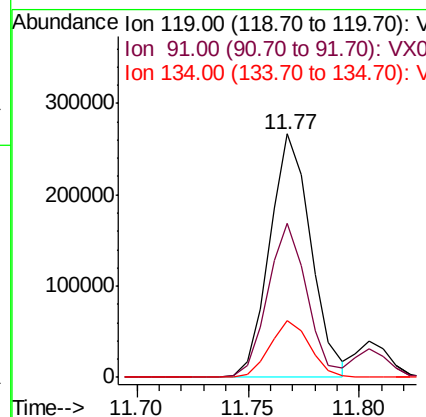
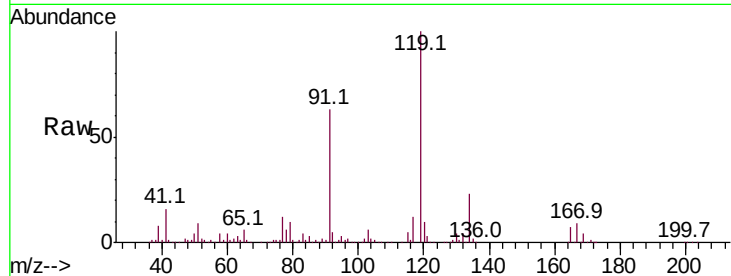
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	342883
Ion Ratio	Lower	Upper	
119	100		
91	60.3	29.5	88.5
134	22.6	11.4	34.1

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:21:30 PM



#84

1,2,4-Trimethylbenzene

Concen: 50.090 ug/l

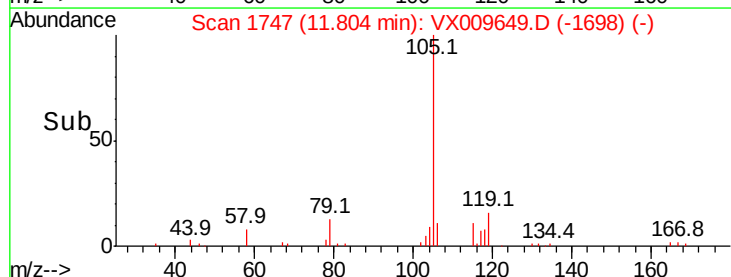
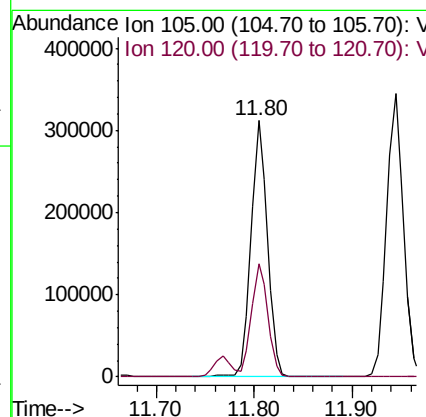
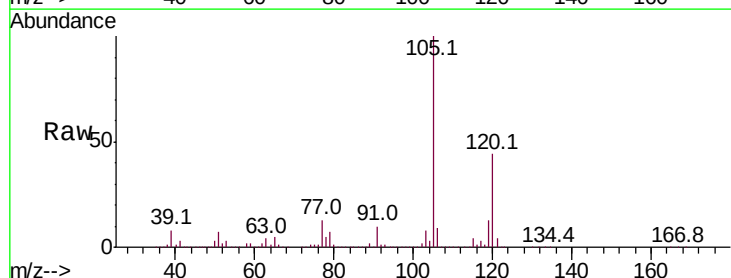
RT: 11.80 min Scan# 1747

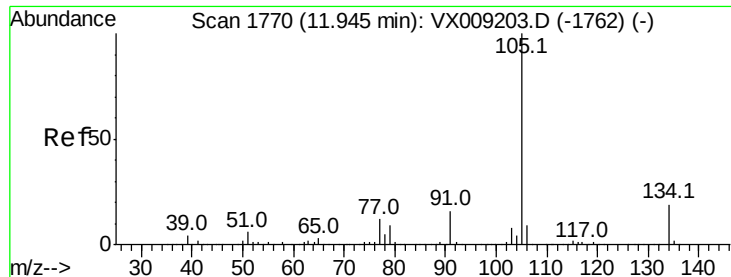
Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	105	Resp:	363501
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.0	66.0





#85

sec-Butylbenzene

Concen: 49.404 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 411947

Ion Ratio Lower Upper

105 100

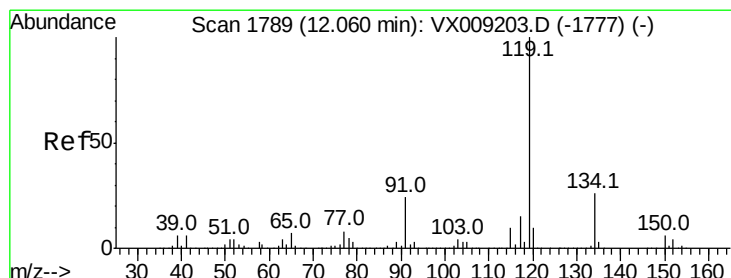
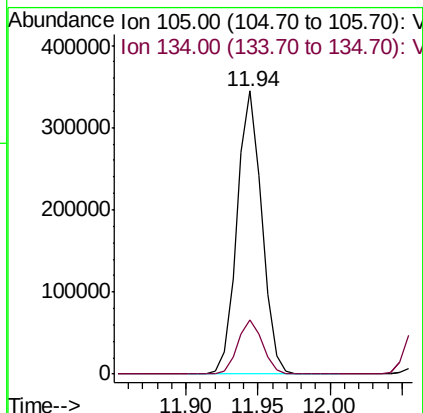
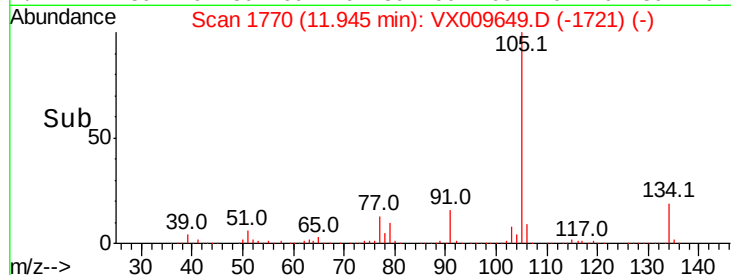
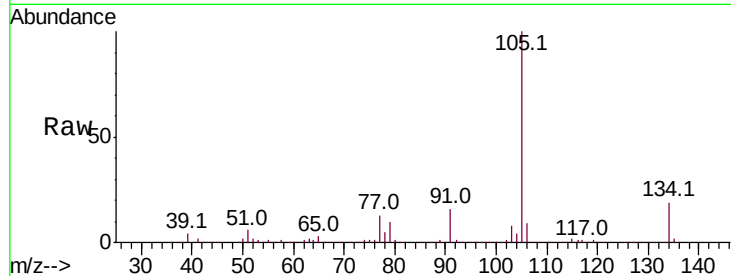
134 19.3 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:21:30 PM



#86

p-Isopropyltoluene

Concen: 49.567 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

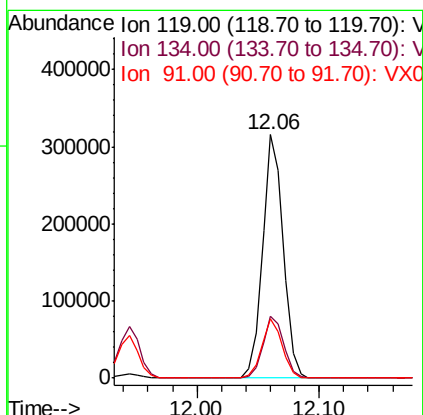
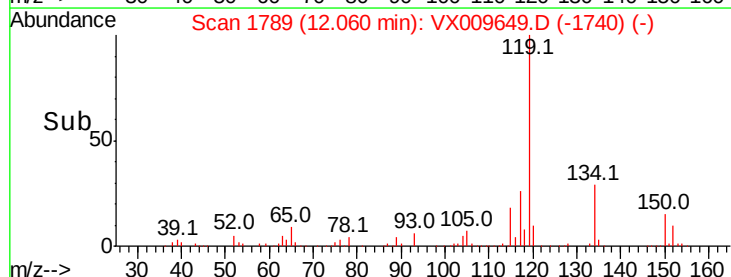
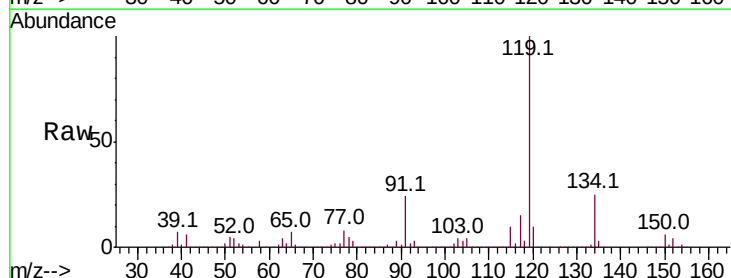
Tgt Ion:119 Resp: 371567

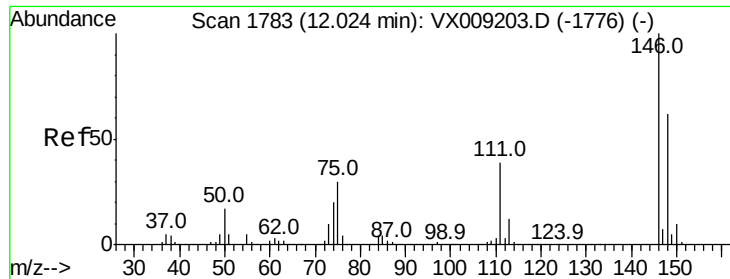
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.0 11.8 35.4





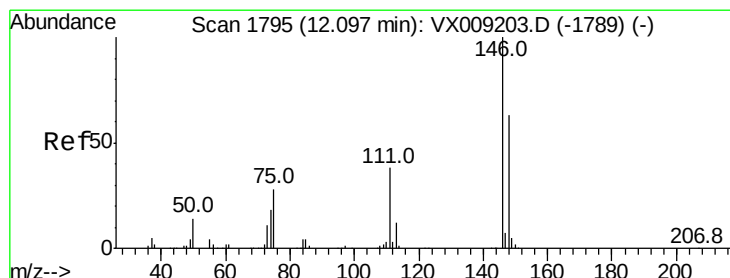
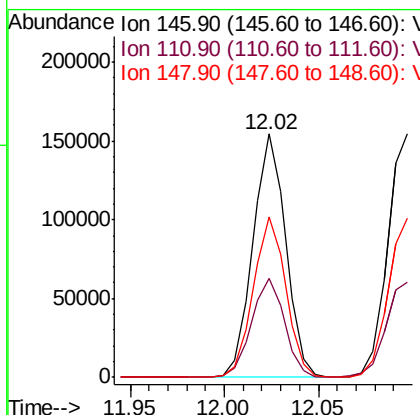
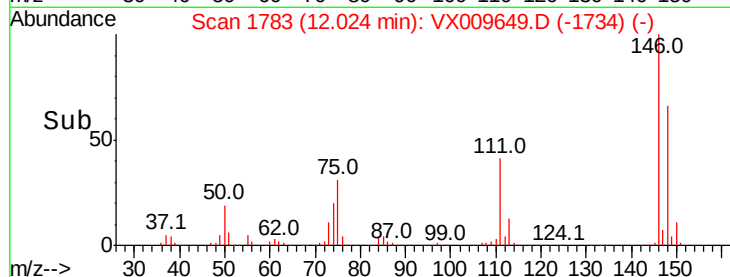
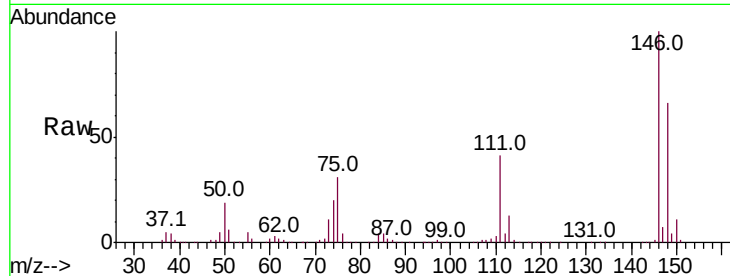
#87
 1,3-Dichlorobenzene
 Concen: 49.094 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	65.4	31.8	95.3

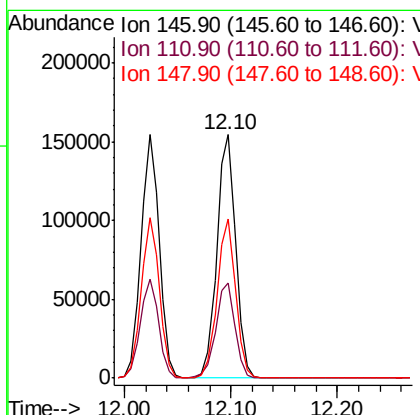
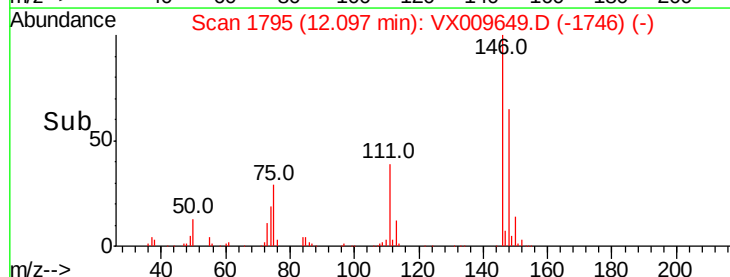
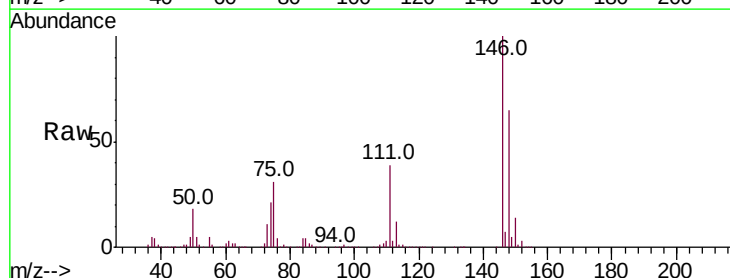
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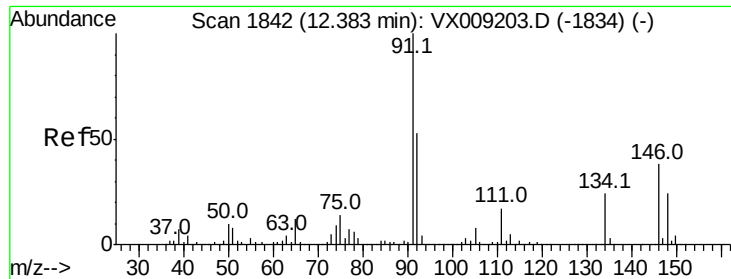
MMDadoda
 5/17/2019 1:21:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.157 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	64.4	31.8	95.3





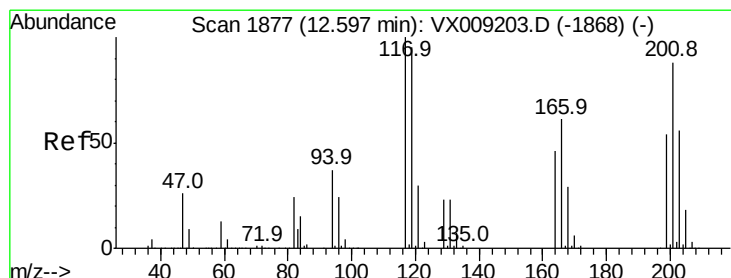
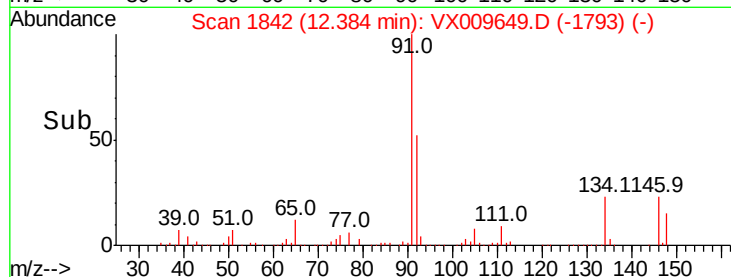
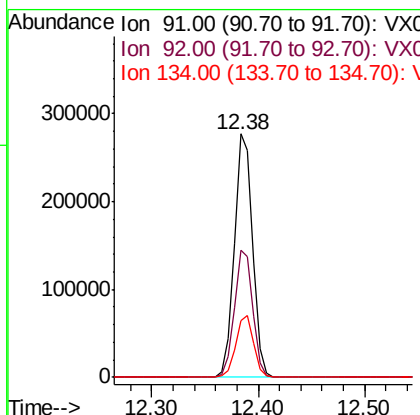
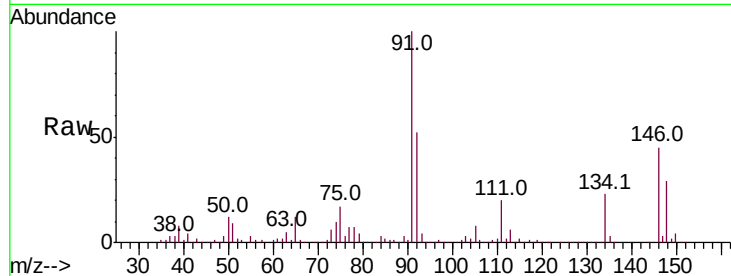
#89
n-Butylbenzene
Concen: 49.151 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.7	12.4	37.2

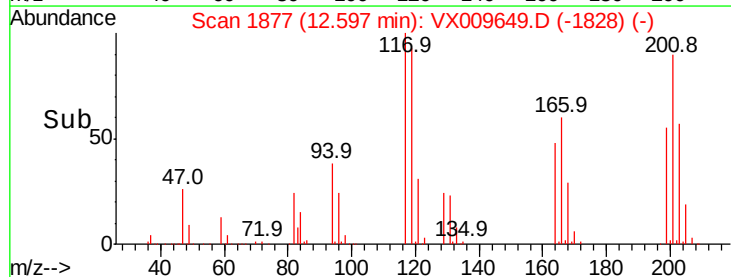
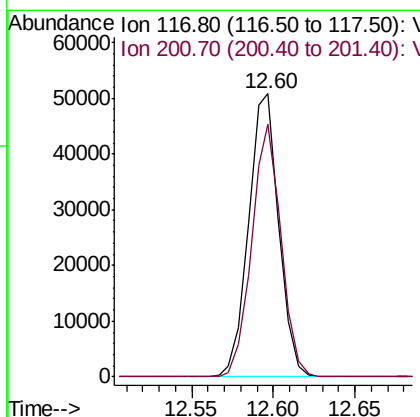
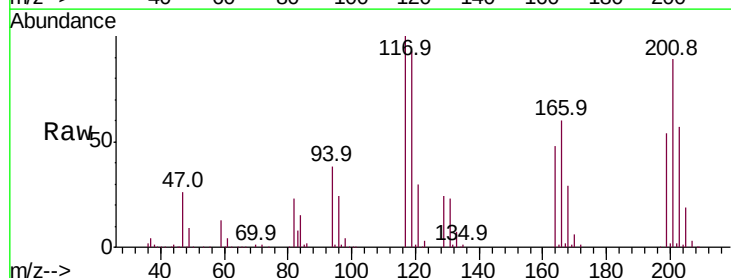
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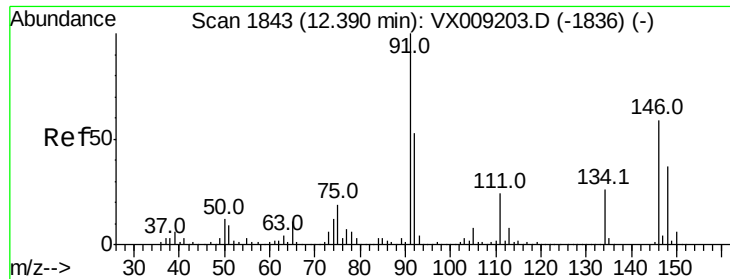
MMDadoda
5/17/2019 1:21:30 PM



#90
Hexachloroethane
Concen: 51.386 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 49.639 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Instrument :

MSVOA_X

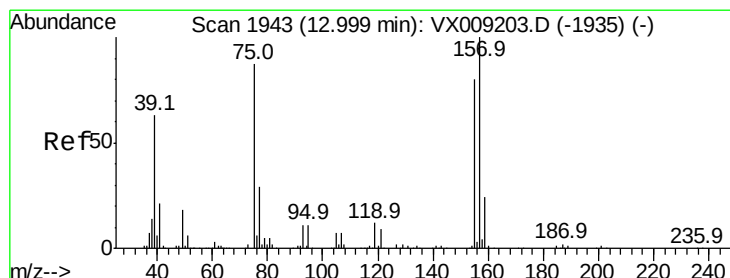
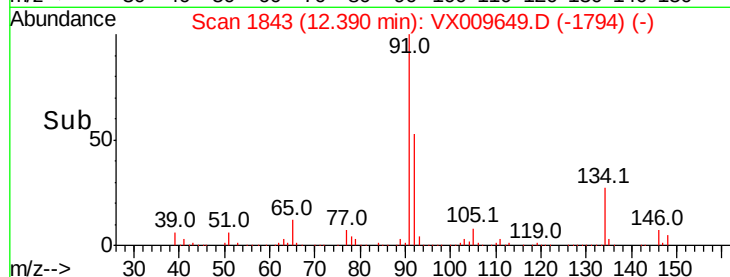
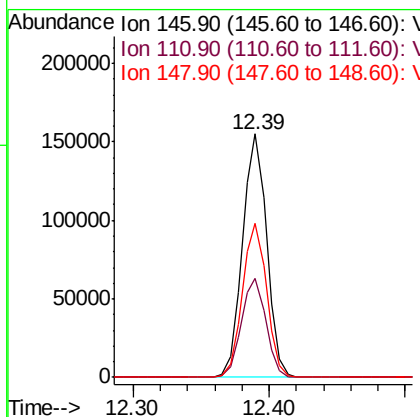
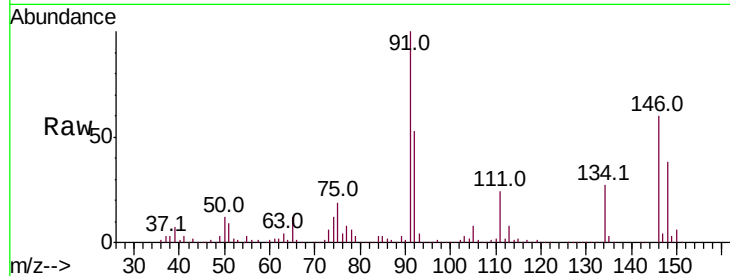
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	192089
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.8	62.4
148	63.4	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.395 ug/l

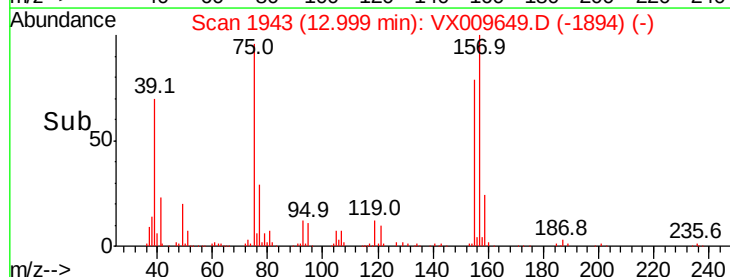
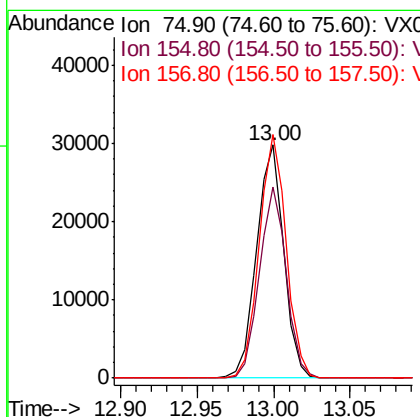
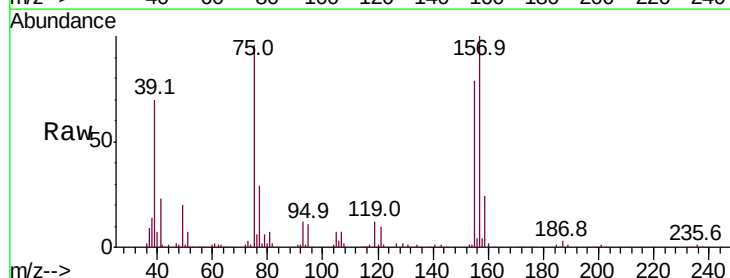
RT: 13.00 min Scan# 1943

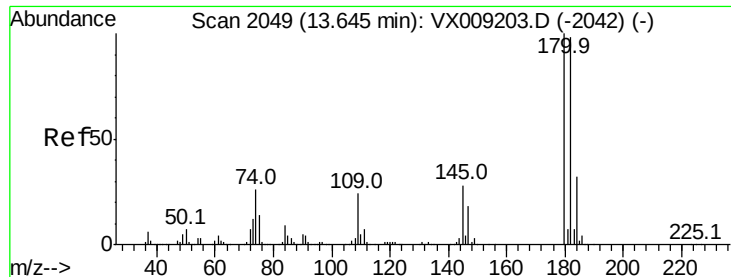
Delta R.T. 0.00 min

Lab File: VX009649.D

Acq: 17 May 2019 08:20

Tgt Ion:	75	Resp:	36905
Ion Ratio	Lower	Upper	
75	100		
155	81.3	42.0	126.0
157	103.6	53.2	159.6





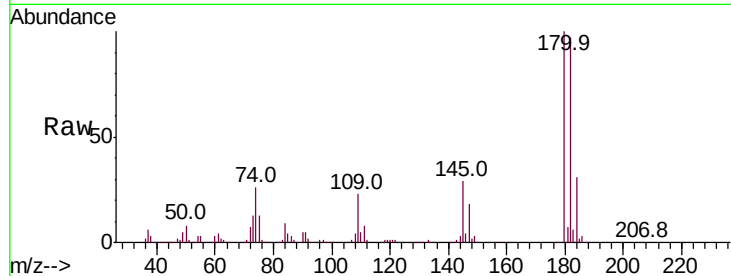
#93
 1,2,4-Trichlorobenzene
 Concen: 49.616 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131297		
182	95.7	48.4	145.2	
145	29.9	14.6	43.8	

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 5/17/2019 1:21:30 PM

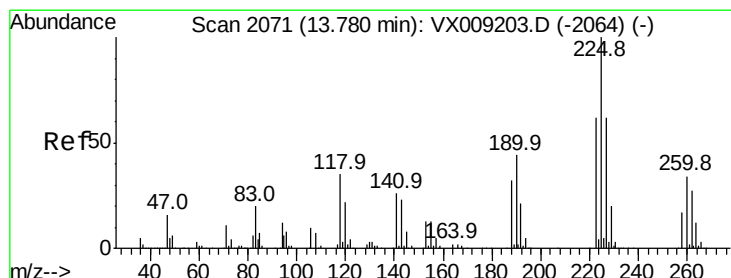
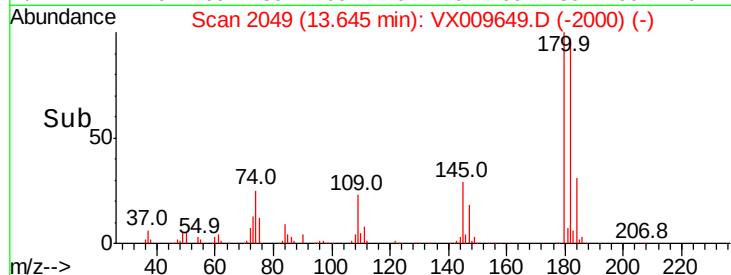
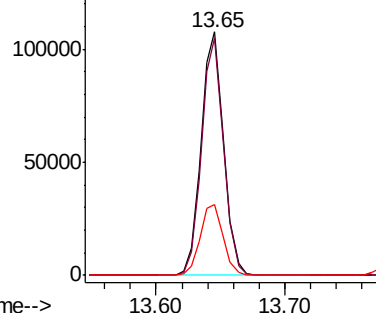


Abundance

Ion 179.80 (179.50 to 180.50): V

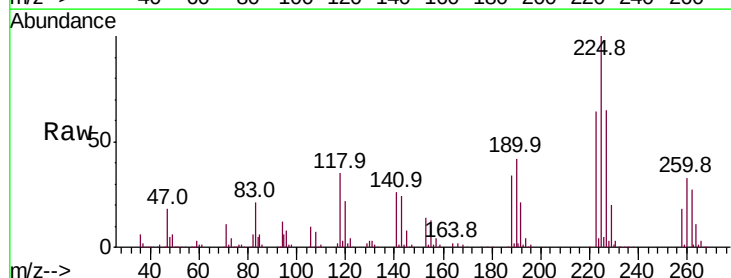
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.610 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009649.D
 Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65689		
223	63.6	31.3	93.8	
227	65.0	31.8	95.3	

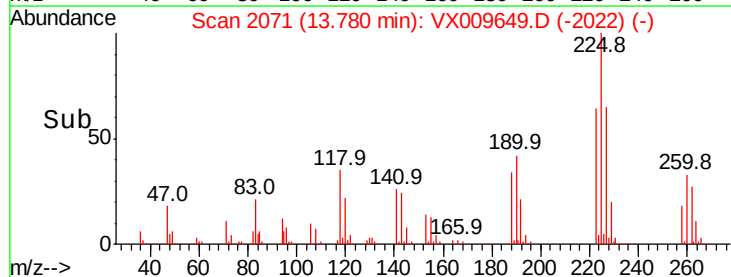
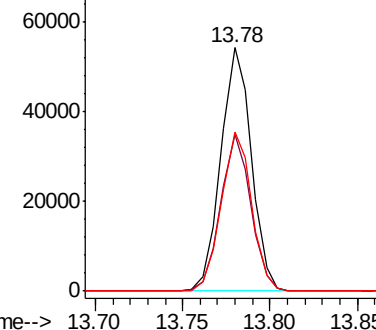


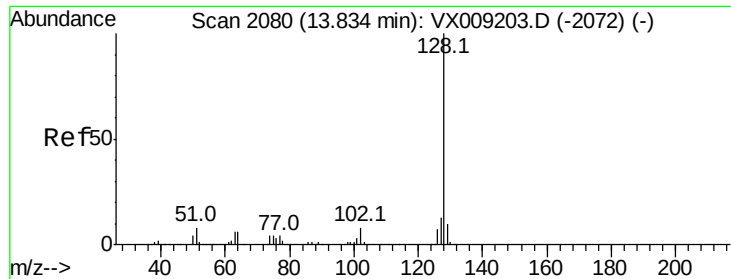
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





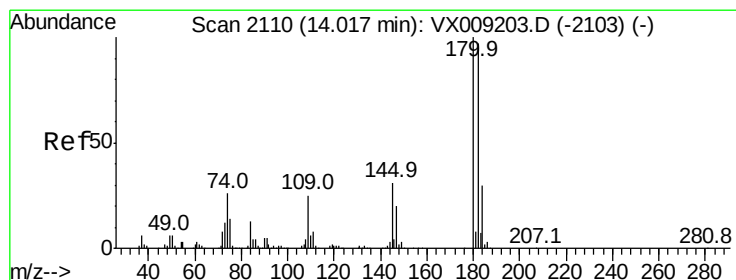
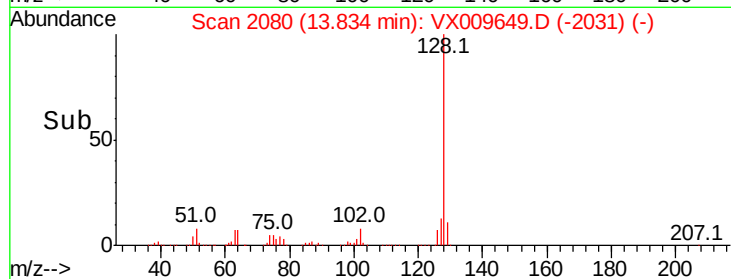
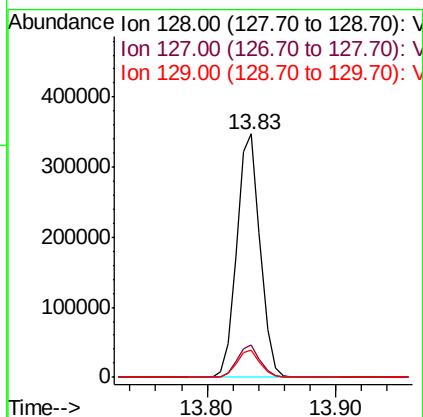
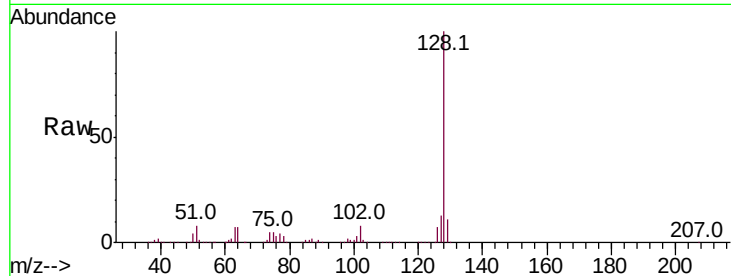
#95
Naphthalene
Concen: 50.715 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 50.265 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009649.D
Acq: 17 May 2019 08:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	30.8	15.4	46.4

