

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009926.D
 Acq On : 28 May 2019 19:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:25:26 AM

Quant Time: May 29 05:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114578	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	5.49	113	81875	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	343424	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.13	95	125988	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111390	55.944	ug/l	98
3) Chloromethane	1.32	50	136705	51.072	ug/l	100
4) Vinyl Chloride	1.41	62	125158	51.868	ug/l	98
5) Bromomethane	1.64	94	69962	47.854	ug/l	98
6) Chloroethane	1.71	64	73499	49.481	ug/l	100
7) Trichlorofluoromethane	1.92	101	136066	51.028	ug/l	99
8) Diethyl Ether	2.19	74	60021	47.900	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79295	49.256	ug/l	99
10) Methyl Iodide	2.51	142	99367	49.861	ug/l	99
11) Tert butyl alcohol	3.06	59	144087	254.375	ug/l	100
12) 1,1-Dichloroethene	2.37	96	82359	49.911	ug/l	99
13) Acrolein	2.29	56	86767	218.964	ug/l	100
14) Allyl chloride	2.73	41	203341	50.700	ug/l	100
15) Acrylonitrile	3.14	53	344005	252.053	ug/l	100
16) Acetone	2.45	43	318547	239.537	ug/l	98
17) Carbon Disulfide	2.57	76	248186	49.674	ug/l	99
18) Methyl Acetate	2.78	43	156741	50.654	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	311767	50.044	ug/l	98
20) Methylene Chloride	2.85	84	98472	48.354	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	87745	47.790	ug/l	99
22) Diisopropyl ether	3.86	45	390010	51.108	ug/l #	86
23) Vinyl Acetate	3.82	43	1763888	257.302	ug/l	100
24) 1,1-Dichloroethane	3.70	63	184612	49.920	ug/l	99
25) 2-Butanone	4.68	43	523839	252.833	ug/l	100
26) 2,2-Dichloropropane	4.59	77	127278	45.497	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	101166	47.733	ug/l	99
28) Bromochloromethane	5.02	49	92527	48.214	ug/l	98
29) Tetrahydrofuran	5.13	42	344024	258.935	ug/l	99
30) Chloroform	5.21	83	166496	49.921	ug/l	100
31) Cyclohexane	5.58	56	182484	52.099	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	138598	51.027	ug/l	99
36) 1,1-Dichloropropene	5.80	75	129019	47.985	ug/l	99
37) Ethyl Acetate	4.84	43	194064	51.800	ug/l	99
38) Carbon Tetrachloride	5.79	117	116515	50.148	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159019	49.860	ug/l	97
40) Benzene	6.15	78	397645	49.856	ug/l	100
41) Methacrylonitrile	5.04	41	109545	50.040	ug/l	99
42) 1,2-Dichloroethane	6.19	62	143823	48.776	ug/l	99
43) Isopropyl Acetate	6.45	43	303820	50.260	ug/l	100
44) Trichloroethene	7.21	130	93545	48.284	ug/l	95
45) 1,2-Dichloropropane	7.51	63	114045	49.671	ug/l	99
46) Dibromomethane	7.66	93	64024	47.373	ug/l	99
47) Bromodichloromethane	7.90	83	130032	50.596	ug/l	100
48) Methyl methacrylate	7.77	41	154930	51.773	ug/l	99
49) 1,4-Dioxane	7.74	88	56602	1016.876	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1027623	261.327	ug/l	99
52) Toluene	8.79	92	242198	50.013	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	151547	49.168	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	165998	49.430	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	95394	48.942	ug/l	98
56) Ethyl methacrylate	9.18	69	182112	52.481	ug/l	99
57) 1,3-Dichloropropane	9.37	76	172962	49.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	465887	256.037	ug/l	99
59) 2-Hexanone	9.49	43	797281	263.346	ug/l	100
60) Dibromochloromethane	9.58	129	95951	50.044	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99239	49.559	ug/l	100
64) Tetrachloroethene	9.34	164	83919	49.498	ug/l	97
65) Chlorobenzene	10.14	112	245595	48.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	89133	50.574	ug/l	99
67) Ethyl Benzene	10.25	91	465969	51.072	ug/l	99
68) m/p-Xylenes	10.36	106	343287	101.847	ug/l	100
69) o-Xylene	10.69	106	165666	51.249	ug/l	99
70) Styrene	10.71	104	293491	51.777	ug/l	100
71) Bromoform	10.85	173	75109	52.136	ug/l #	97
73) Isopropylbenzene	11.02	105	440894	50.112	ug/l	100
74) N-amyl acetate	10.90	43	279826	53.225	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	165046	50.282	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	143411m	50.292	ug/l	
77) Bromobenzene	11.26	156	108888	48.563	ug/l	99
78) n-propylbenzene	11.36	91	517961	51.074	ug/l	99
79) 2-Chlorotoluene	11.42	91	307905	49.693	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	379318	51.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56026	48.611	ug/l	98
82) 4-Chlorotoluene	11.51	91	360047	49.917	ug/l	100
83) tert-Butylbenzene	11.77	119	359379	50.679	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	379814	50.457	ug/l	99
85) sec-Butylbenzene	11.94	105	426856	50.597	ug/l	99
86) p-Isopropyltoluene	12.06	119	393068	51.800	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	194643	48.760	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	194200	47.703	ug/l	99
89) n-Butylbenzene	12.38	91	364575	51.123	ug/l	99
90) Hexachloroethane	12.60	117	67531	51.858	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	194961	49.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38073	49.278	ug/l	98

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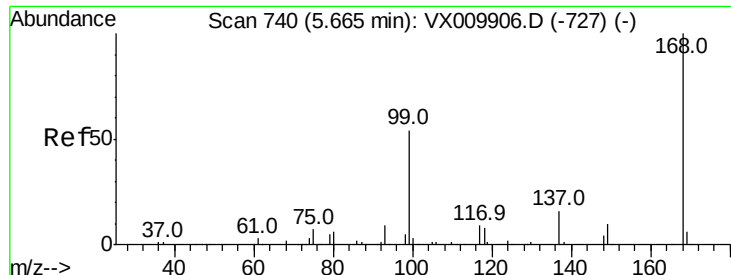
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	136749	48.622	ug/l	100
94) Hexachlorobutadiene	13.78	225	69567	49.314	ug/l	98
95) Naphthalene	13.83	128	441943	50.494	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137066	48.687	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 162939

Ion Ratio Lower Upper

168 100

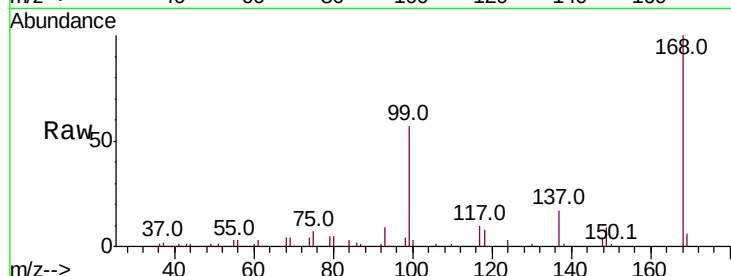
99 56.4 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

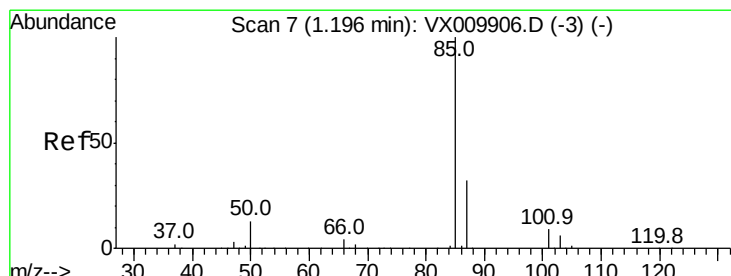
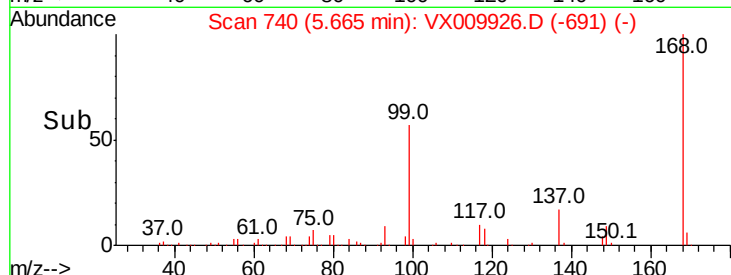
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.944 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009926.D

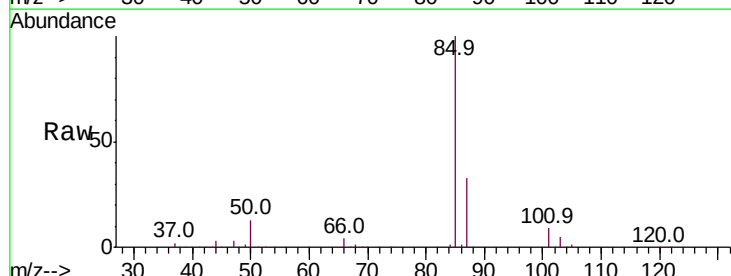
Acq: 28 May 2019 19:40

Tgt Ion: 85 Resp: 111390

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

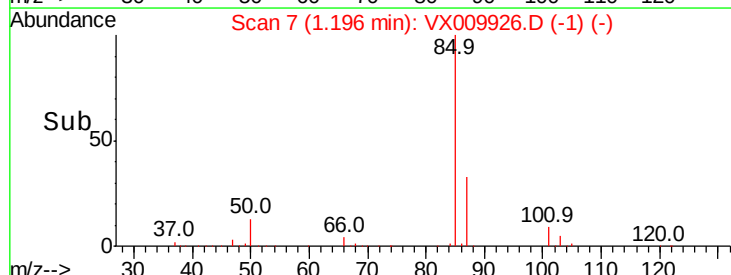
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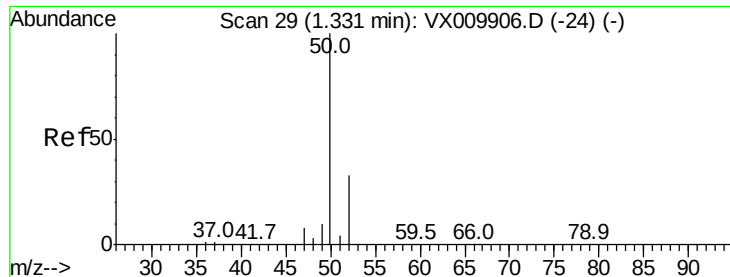
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 51.072 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 136705

Ion Ratio Lower Upper

50 100

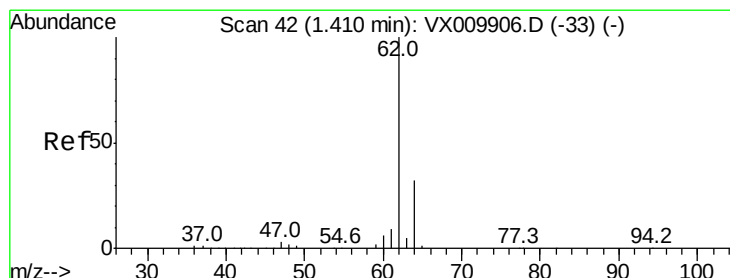
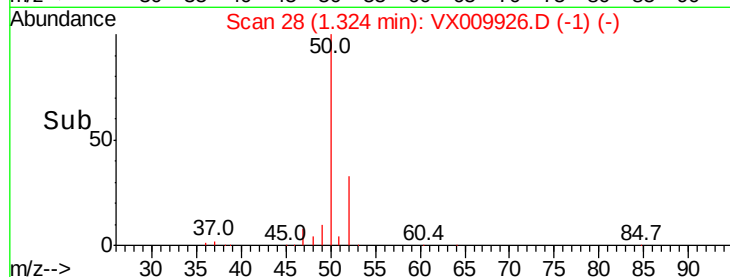
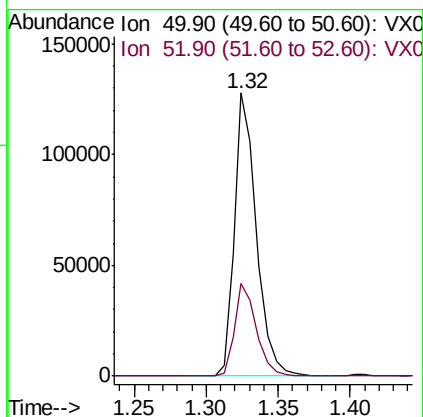
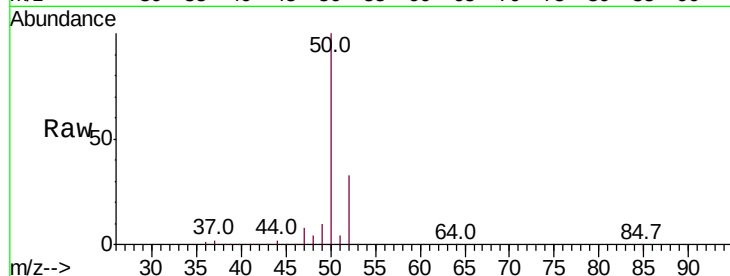
52 32.6 26.0 39.0

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#4

Vinyl Chloride

Concen: 51.868 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009926.D

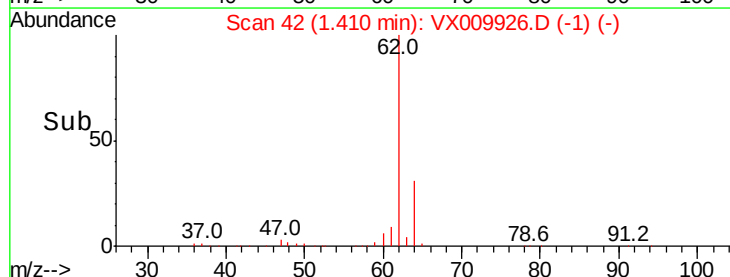
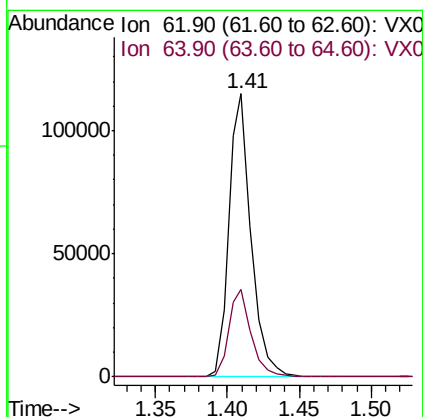
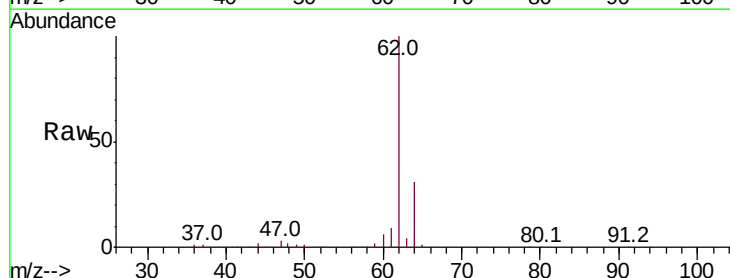
Acq: 28 May 2019 19:40

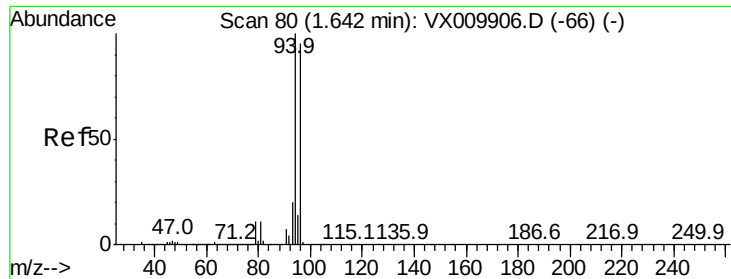
Tgt Ion: 62 Resp: 125158

Ion Ratio Lower Upper

62 100

64 31.0 25.7 38.5





#5

Bromomethane

Concen: 47.854 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 69962

Ion Ratio Lower Upper

94 100

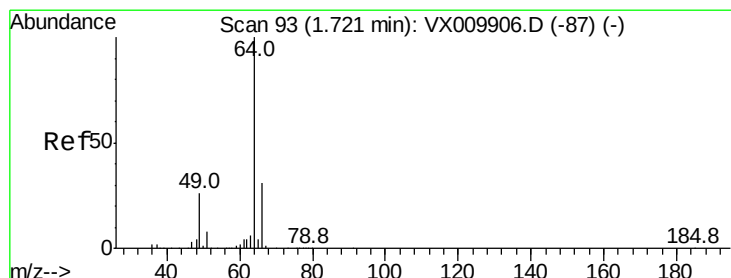
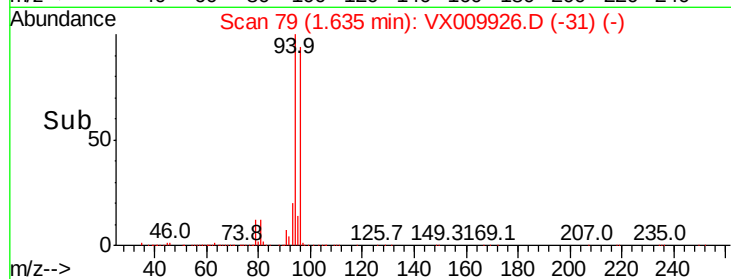
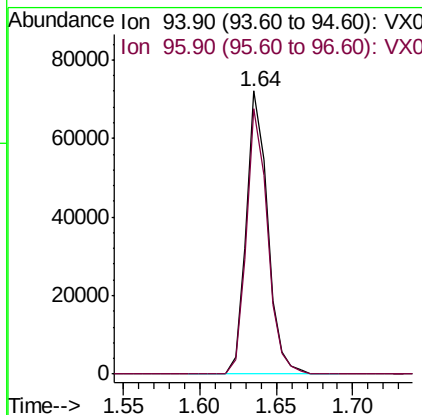
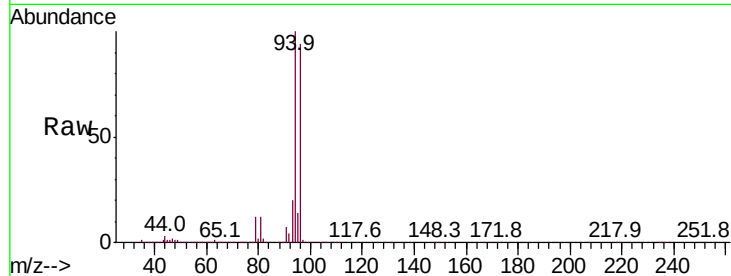
96 93.6 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 49.481 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009926.D

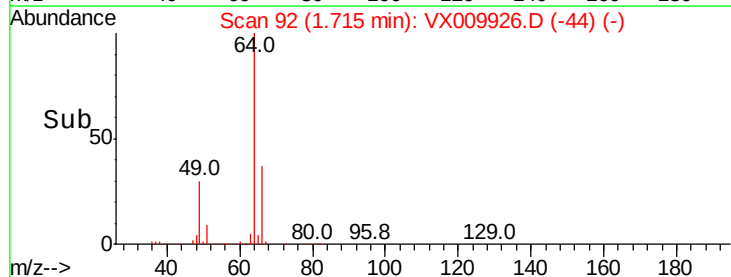
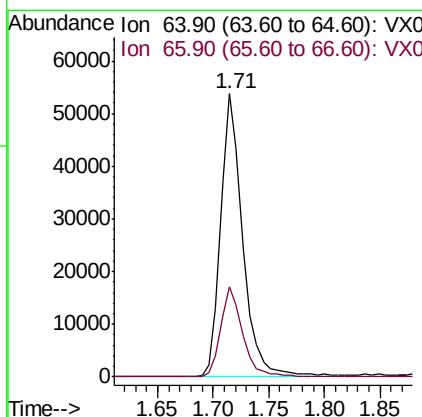
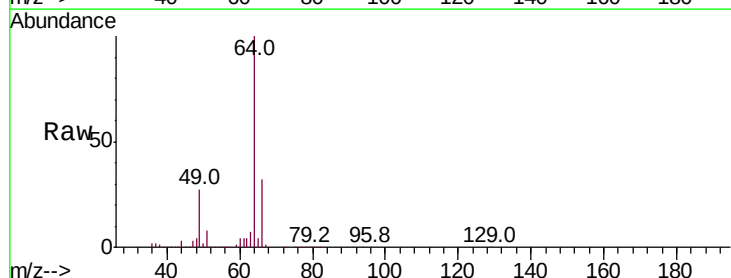
Acq: 28 May 2019 19:40

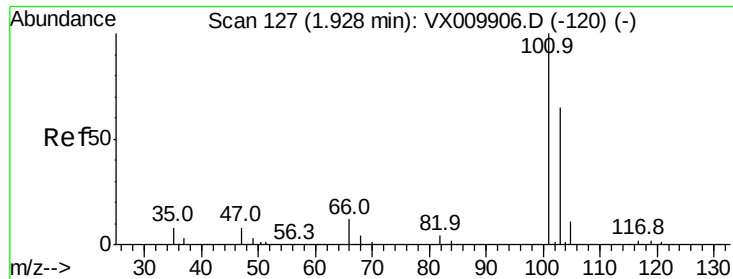
Tgt Ion: 64 Resp: 73499

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7





#7

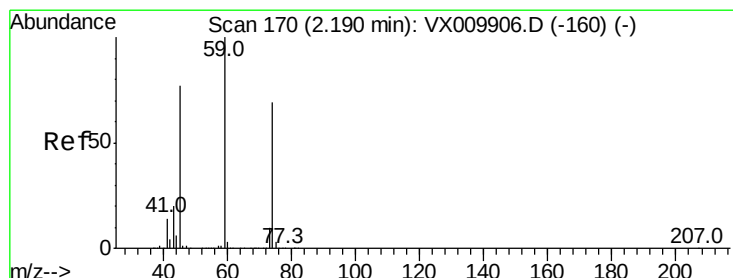
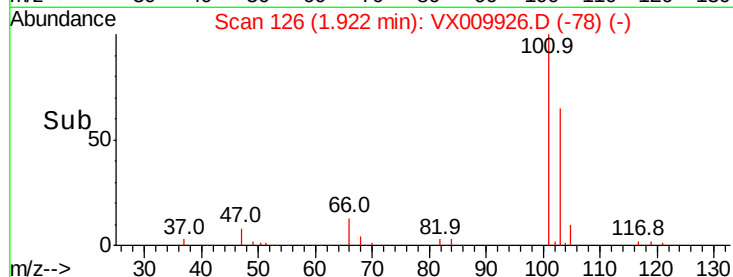
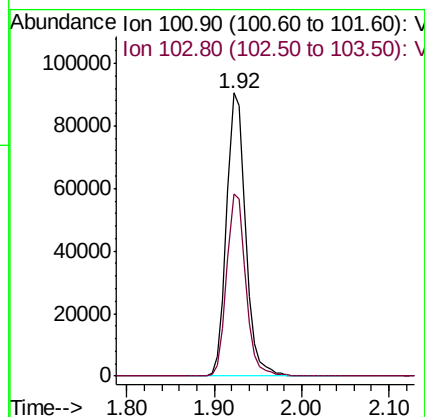
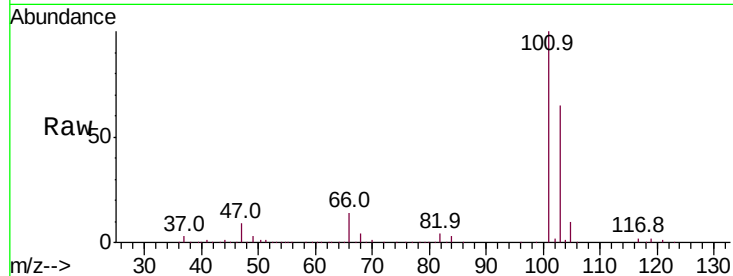
Trichlorofluoromethane
Concen: 51.028 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 136066
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4

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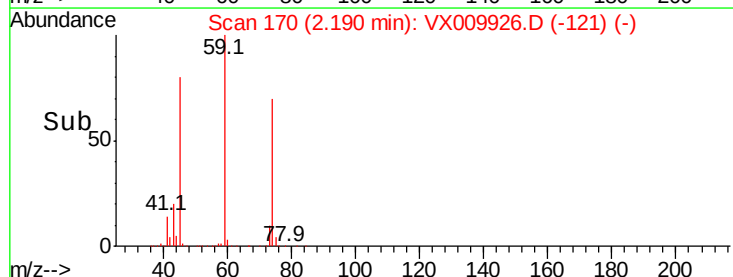
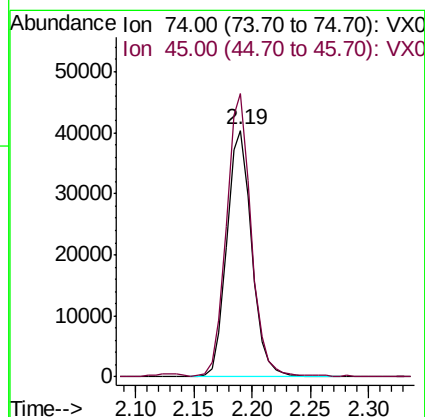
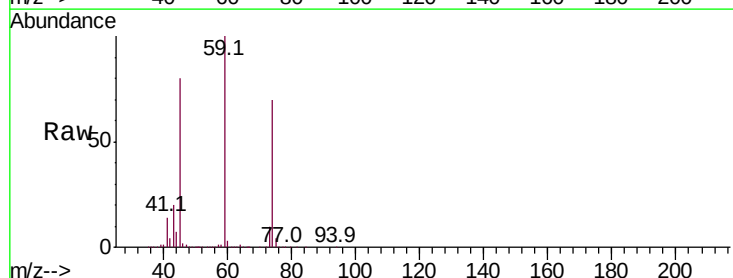
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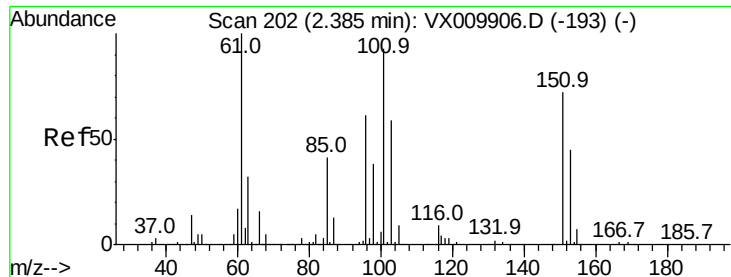


#8

Diethyl Ether
Concen: 47.900 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion: 74 Resp: 60021
Ion Ratio Lower Upper
74 100
45 113.2 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.256 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

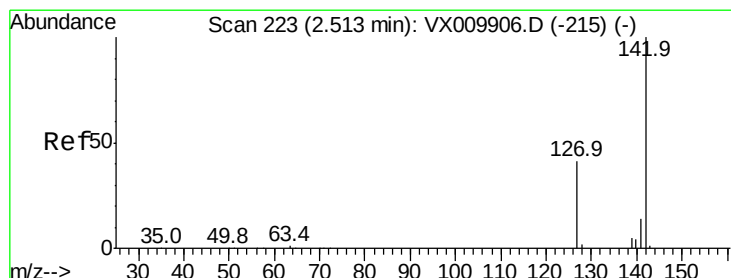
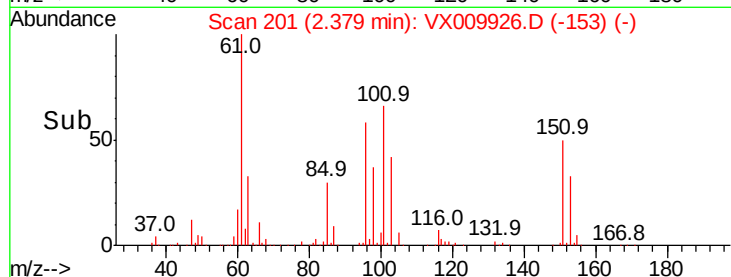
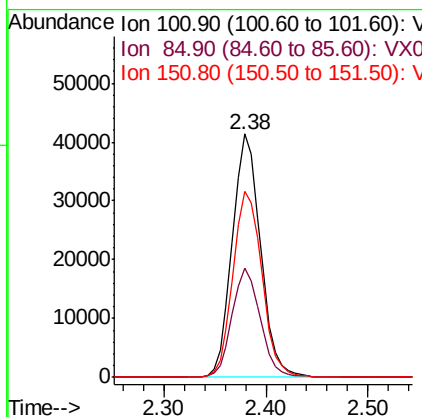
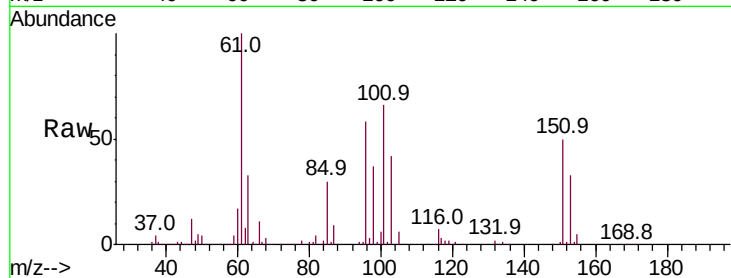
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	79295
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.2	52.8
151	78.7	61.9	92.9

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#10

Methyl Iodide

Concen: 49.861 ug/l

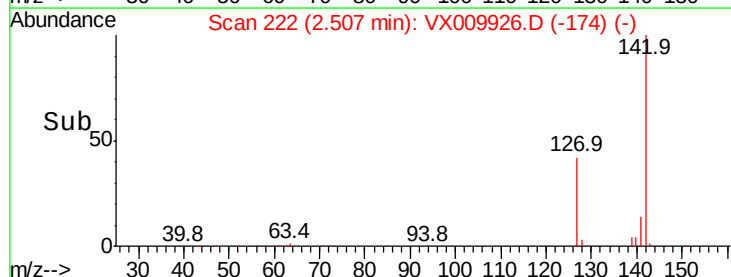
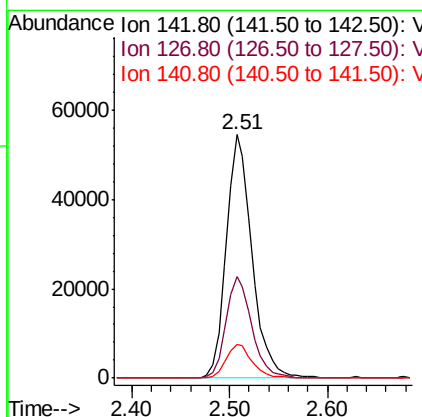
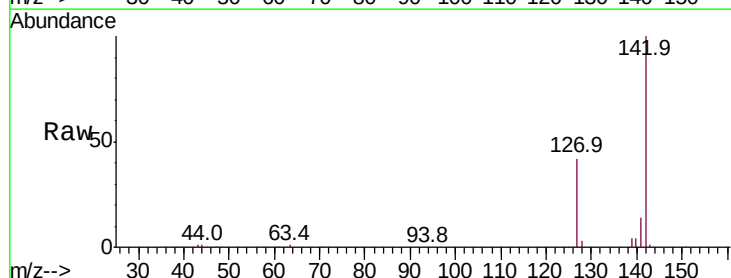
RT: 2.51 min Scan# 222

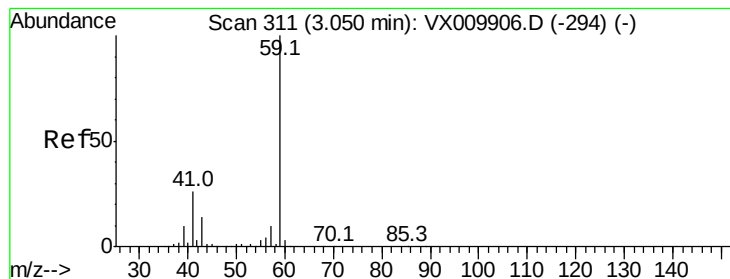
Delta R.T. -0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion:	142	Resp:	99367
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.0	49.4
141	14.1	11.4	17.0





#11

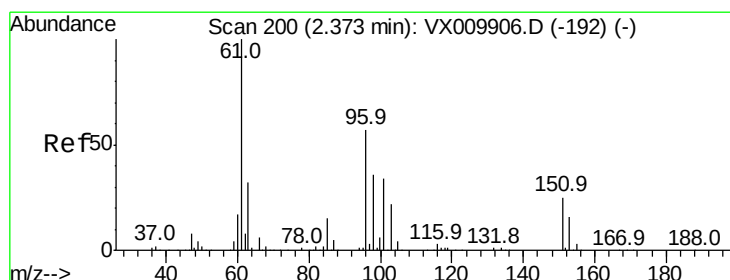
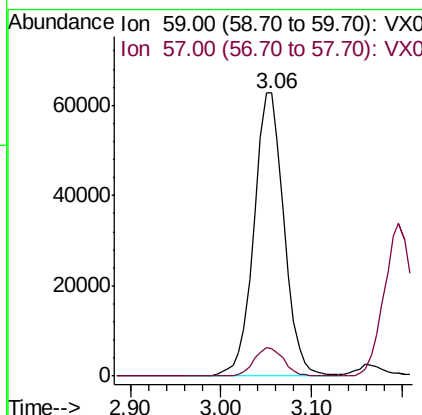
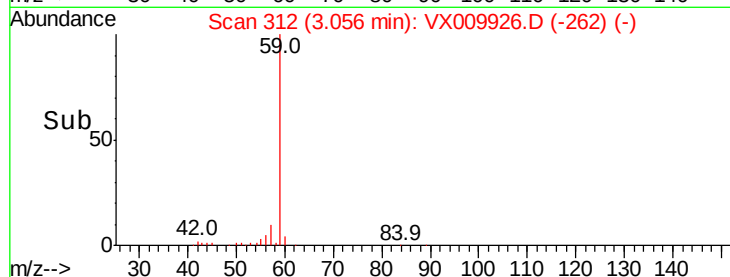
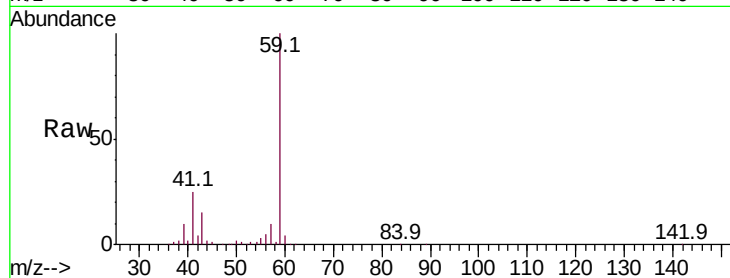
Tert butyl alcohol
Concen: 254.375 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 144087
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

Manual Integrations
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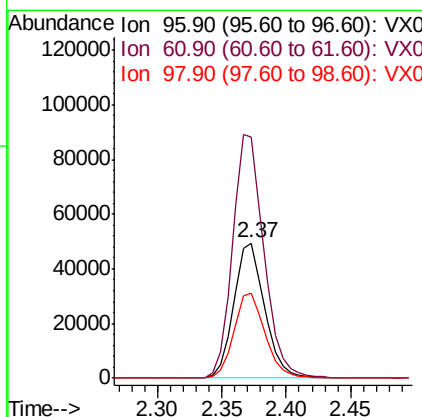
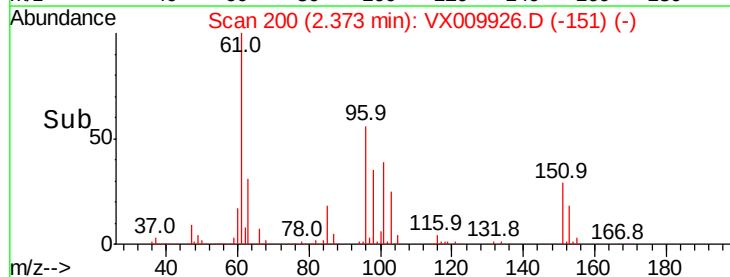
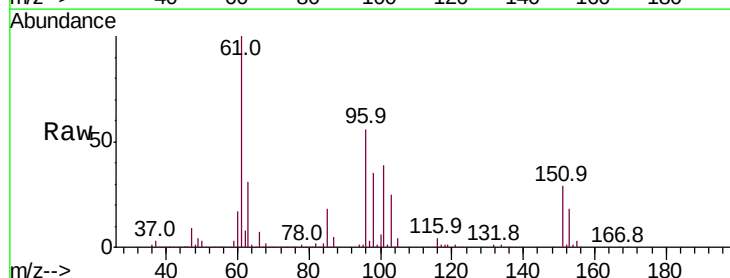
MMDadoda
5/29/2019 9:25:26 AM

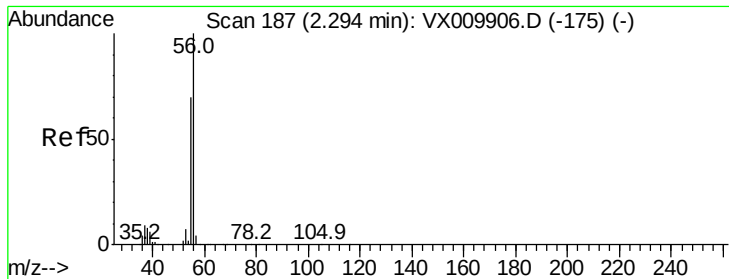


#12

1,1-Dichloroethene
Concen: 49.911 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion: 96 Resp: 82359
Ion Ratio Lower Upper
96 100
61 178.2 140.7 211.1
98 63.2 50.1 75.1





#13

Acrolein

Concen: 218.964 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 86767

Ion Ratio Lower Upper

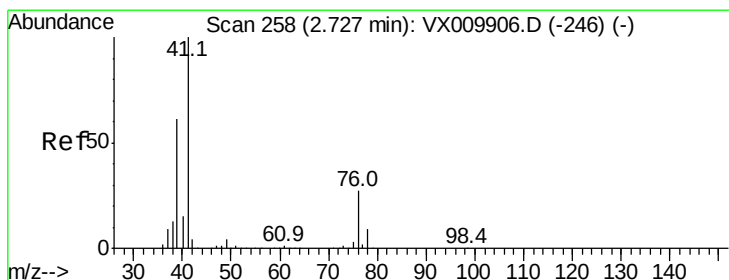
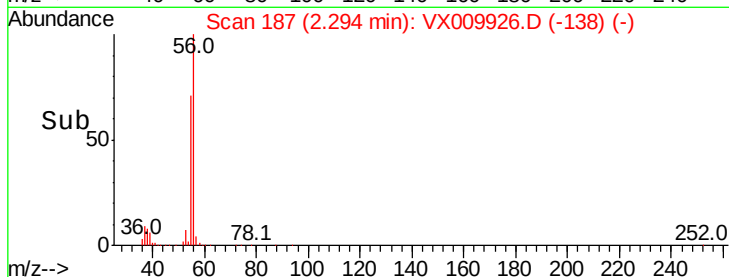
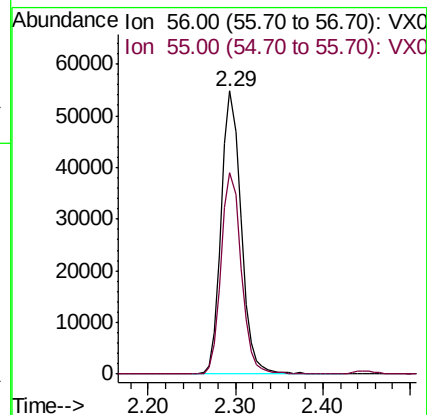
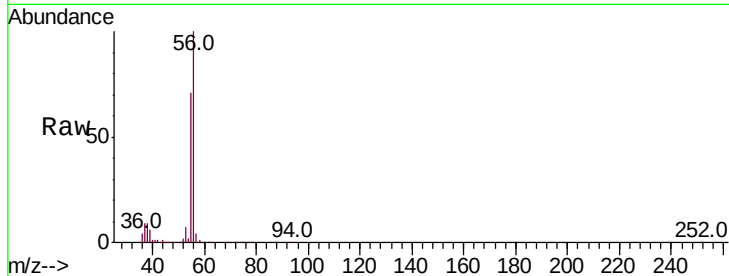
56 100

55 71.5 57.0 85.4

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#14

Allyl chloride

Concen: 50.700 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

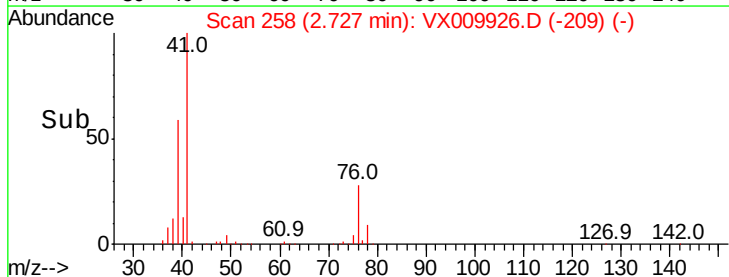
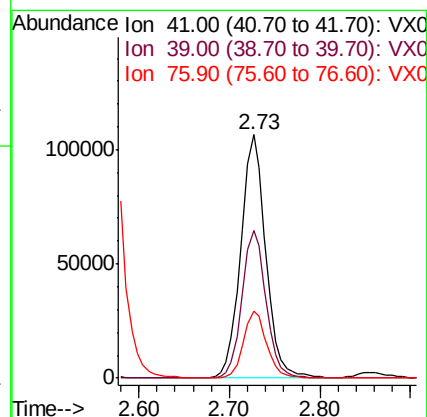
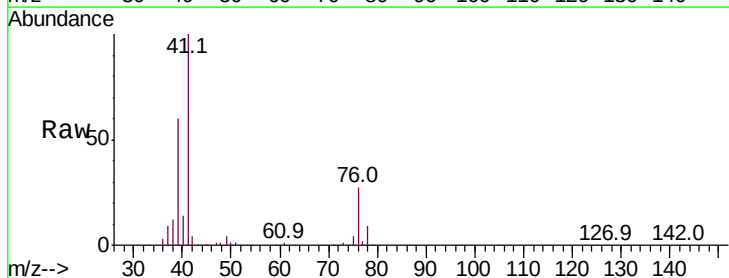
Tgt Ion: 41 Resp: 203341

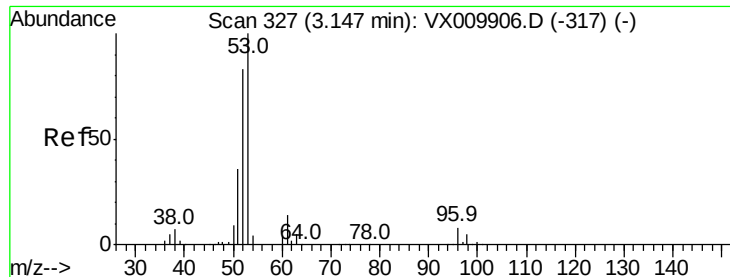
Ion Ratio Lower Upper

41 100

39 58.3 46.7 70.1

76 25.8 21.0 31.4





#15

Acrylonitrile

Concen: 252.053 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

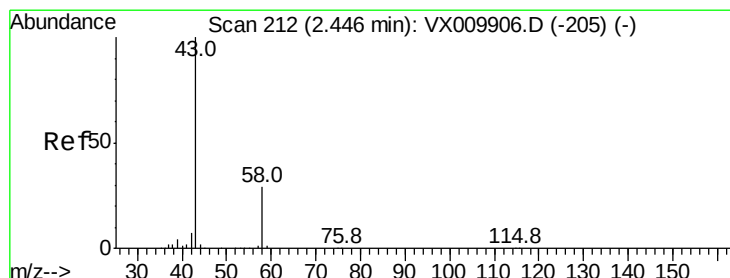
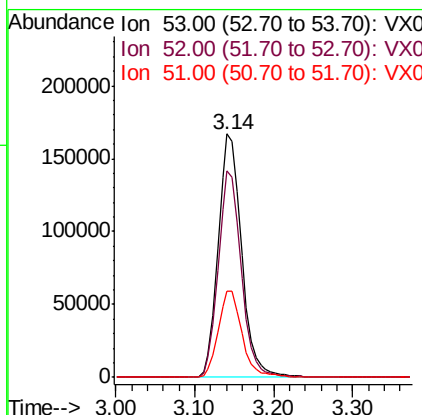
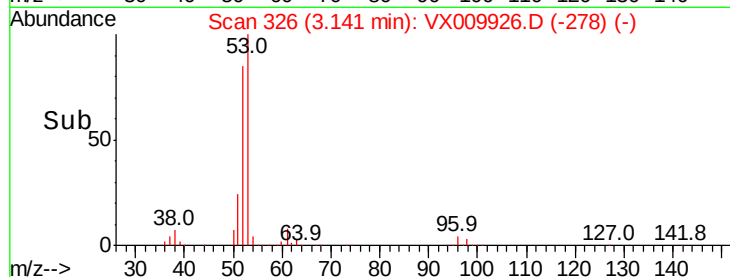
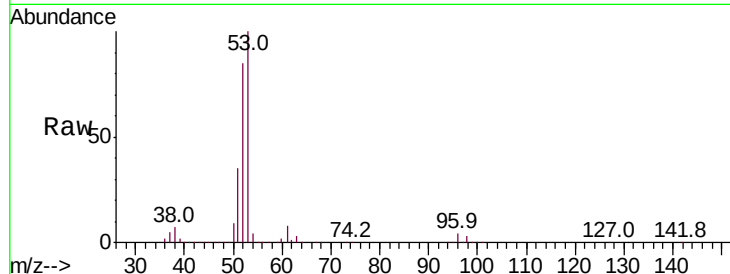
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	344005
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.7	100.1
51	36.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 239.537 ug/l

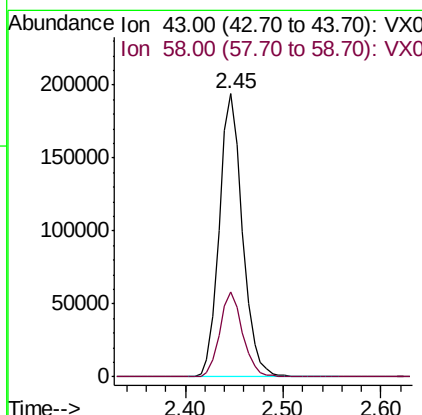
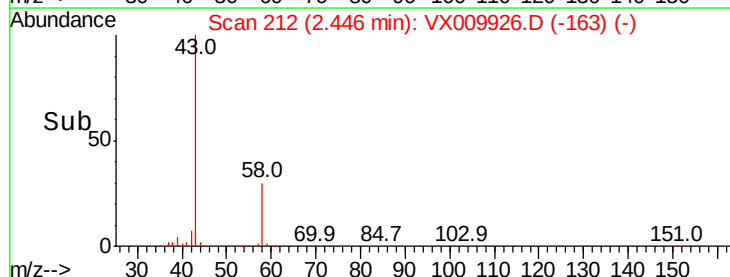
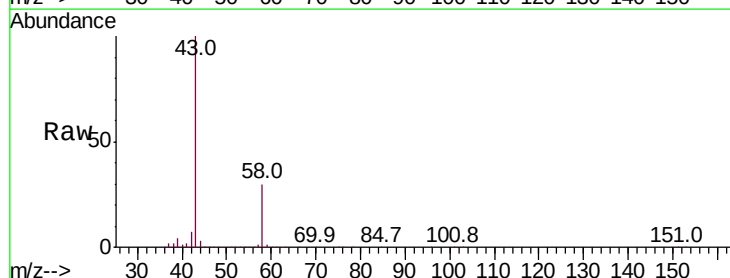
RT: 2.45 min Scan# 212

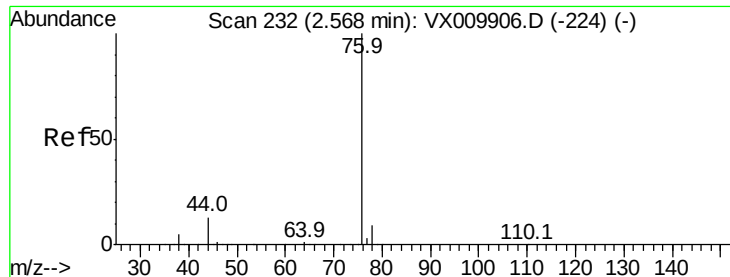
Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion:	43	Resp:	318547
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.2	34.8





#17

Carbon Disulfide

Concen: 49.674 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 248186

Ion Ratio Lower Upper

76 100

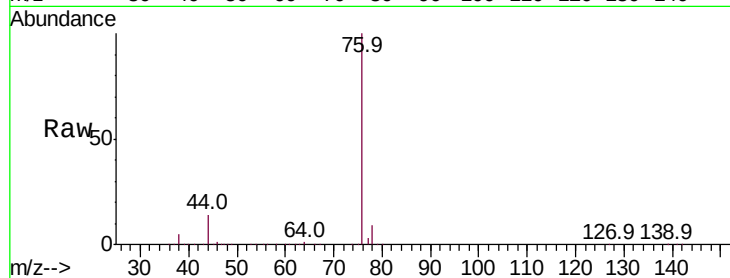
78 9.1 7.0 10.6

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

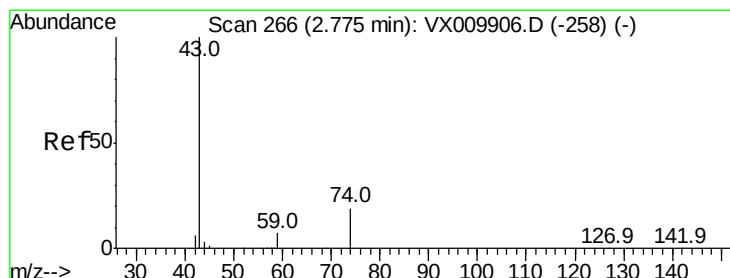
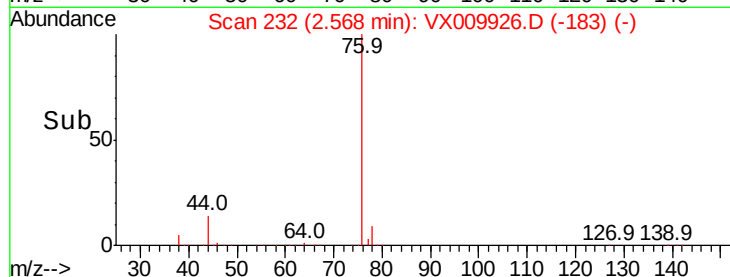
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.654 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009926.D

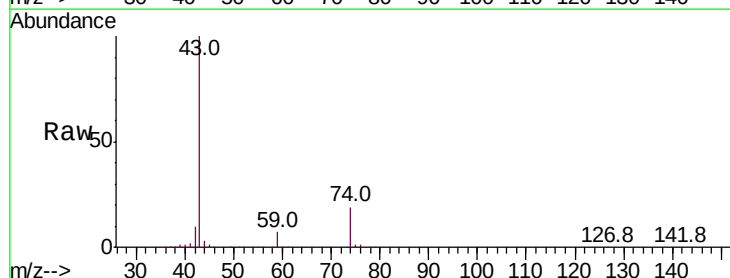
Acq: 28 May 2019 19:40

Tgt Ion: 43 Resp: 156741

Ion Ratio Lower Upper

43 100

74 19.4 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

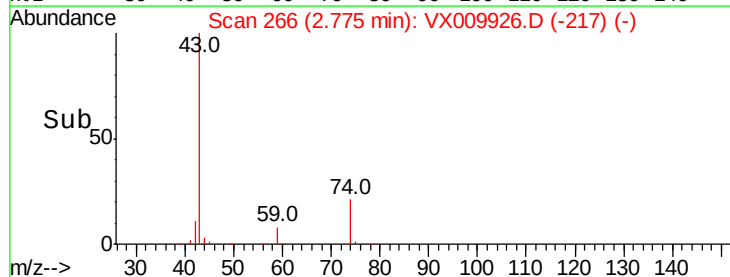
60000

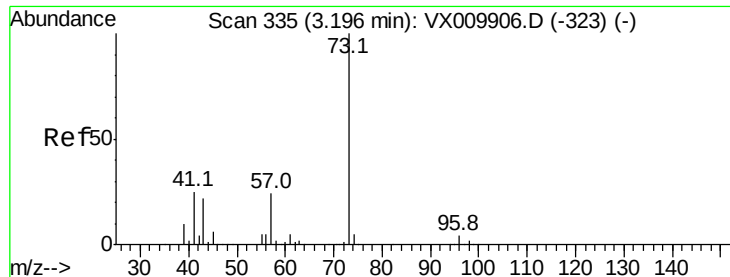
40000

20000

0

Time-->





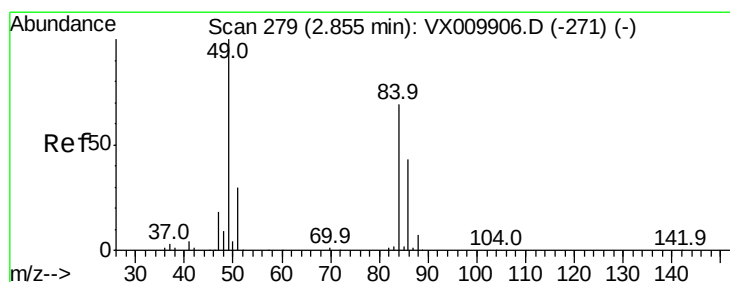
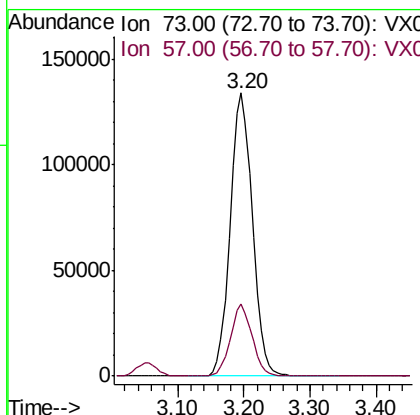
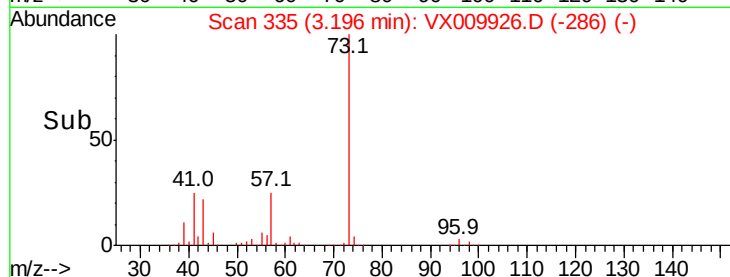
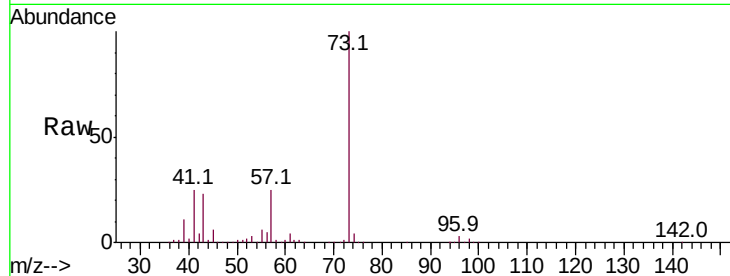
#19
Methyl tert-butyl Ether
Concen: 50.044 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	19.4	29.2

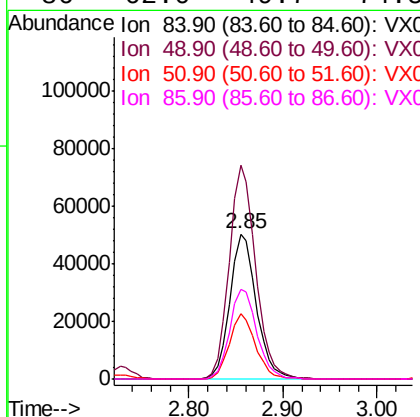
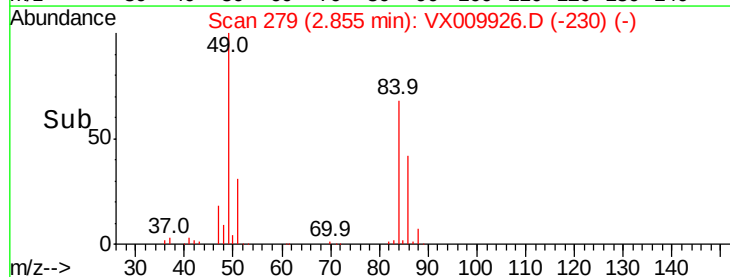
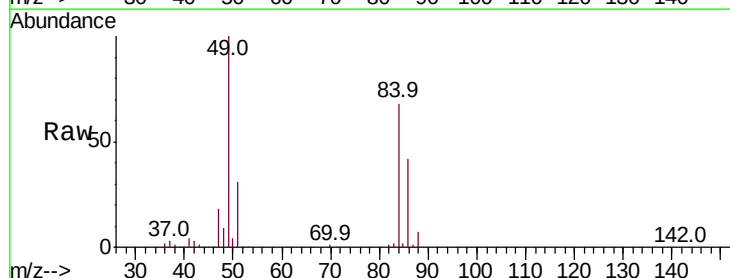
Manual Integrations
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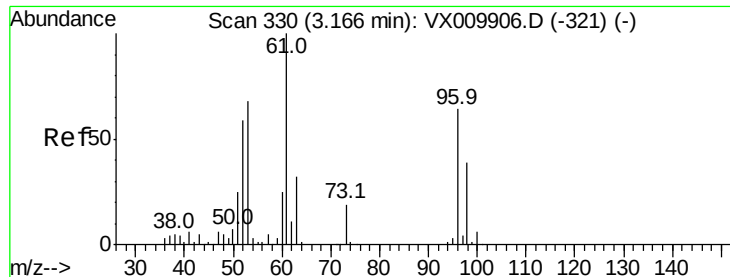
MMDadoda
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#20
Methylene Chloride
Concen: 48.354 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	115.8	173.6
51	45.1	34.4	51.6
86	62.0	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 47.790 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 87745

Ion Ratio Lower Upper

96 100

61 156.8 125.7 188.5

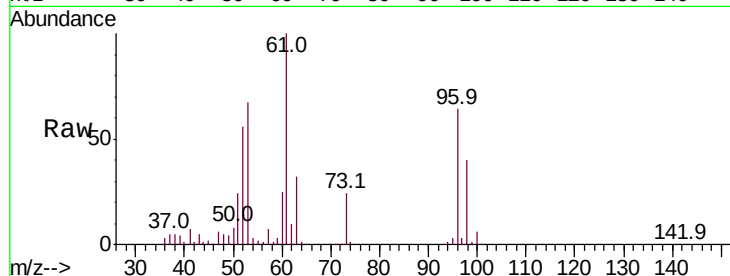
98 63.2 49.0 73.6

Manual Integrations

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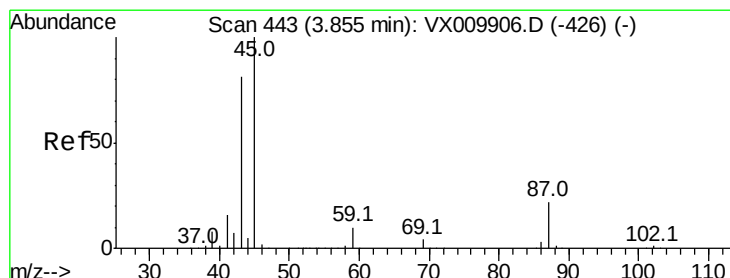
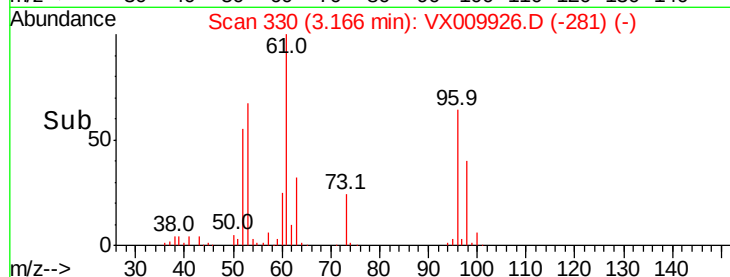
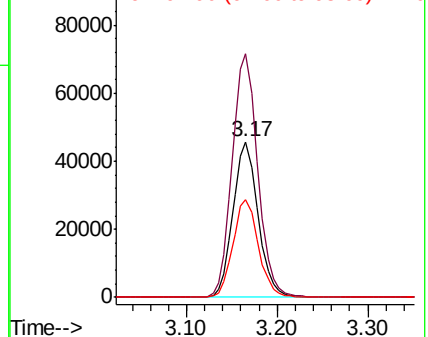


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.108 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion: 45 Resp: 390010

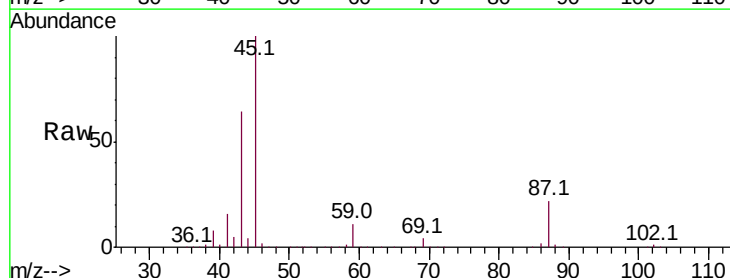
Ion Ratio Lower Upper

45 100

43 63.9 65.0 97.4#

87 22.0 17.3 25.9

59 10.7 8.1 12.1



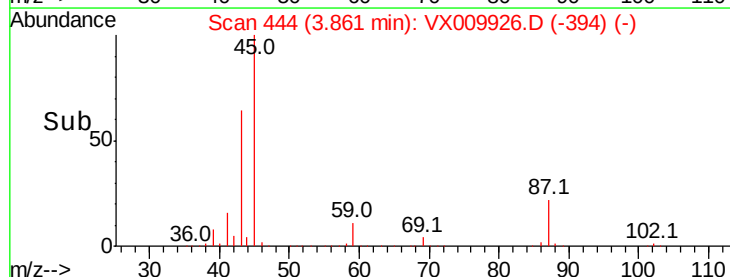
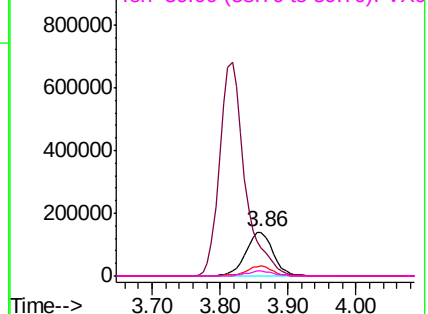
Abundance

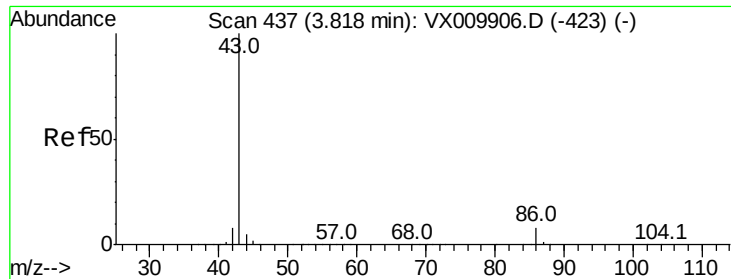
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.302 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1763888

Ion Ratio Lower Upper

43 100

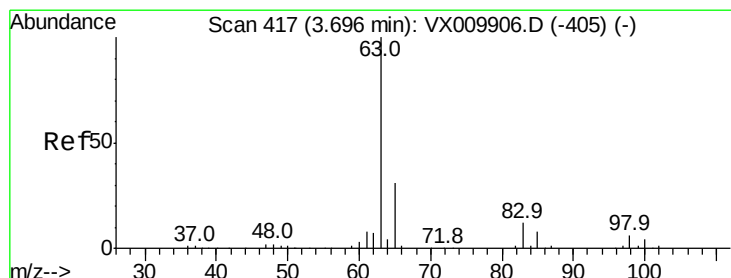
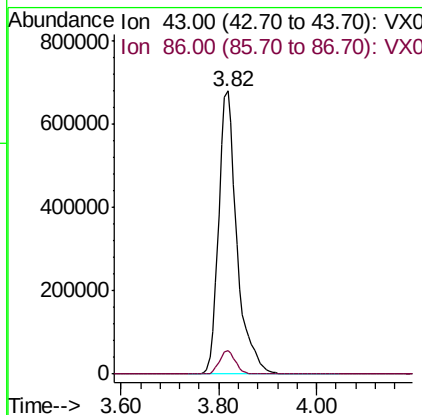
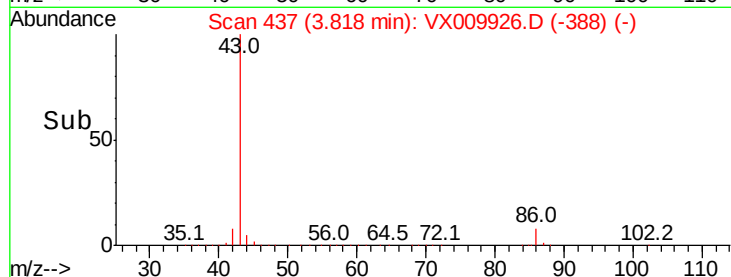
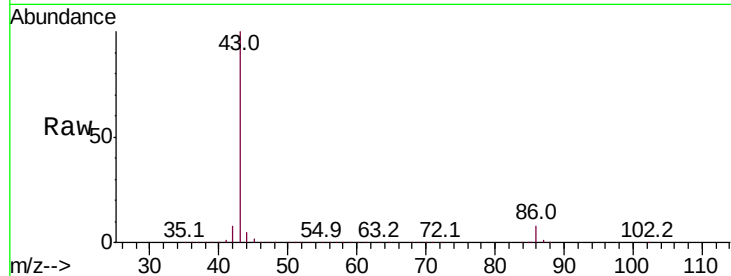
86 8.2 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 49.920 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

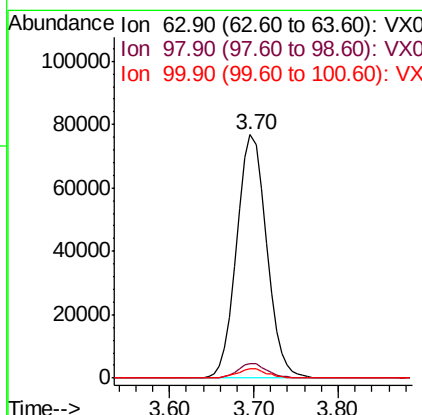
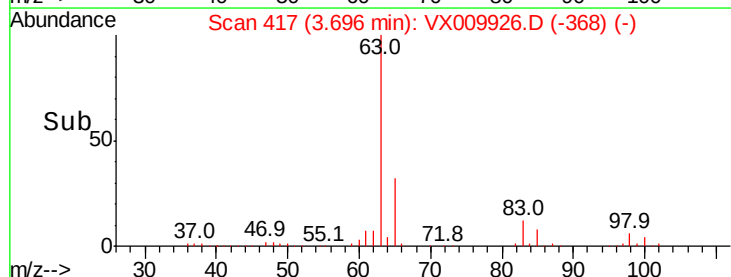
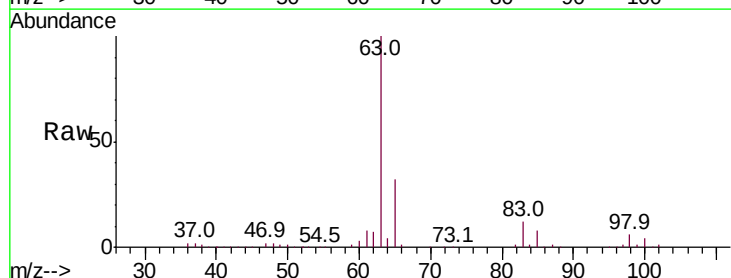
Tgt Ion: 63 Resp: 184612

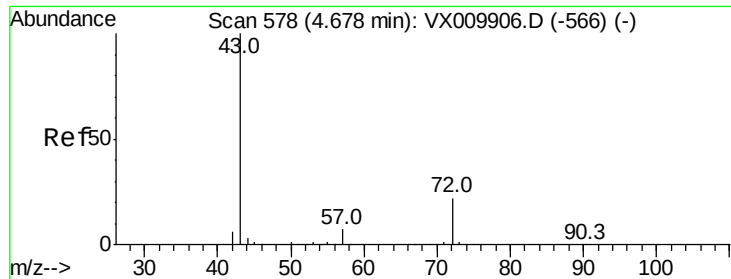
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.0 1.8 5.4





#25

2-Butanone

Concen: 252.833 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 523839

Ion Ratio Lower Upper

43 100

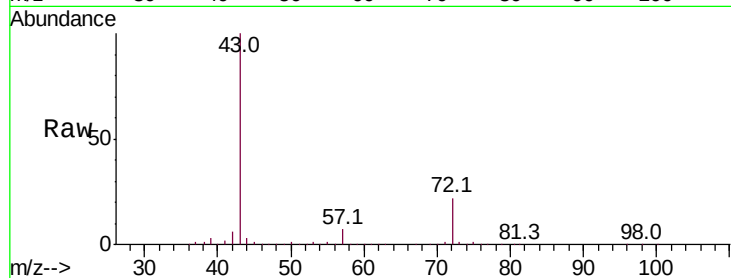
72 21.9 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

0

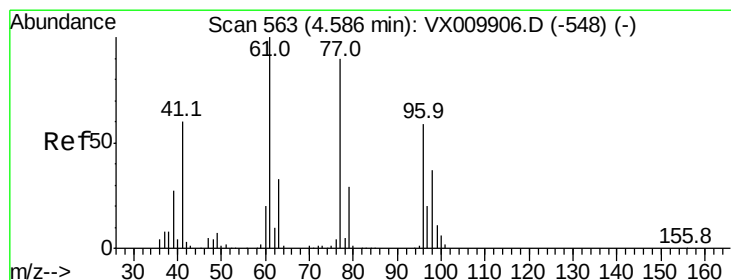
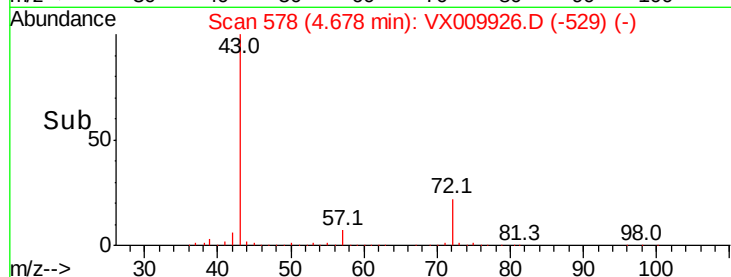
4.68

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.497 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009926.D

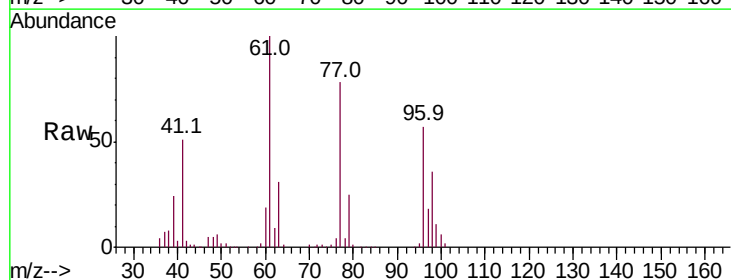
Acq: 28 May 2019 19:40

Tgt Ion: 77 Resp: 127278

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

4.59

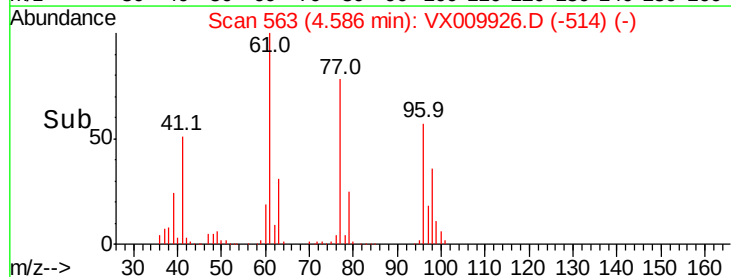
4.40

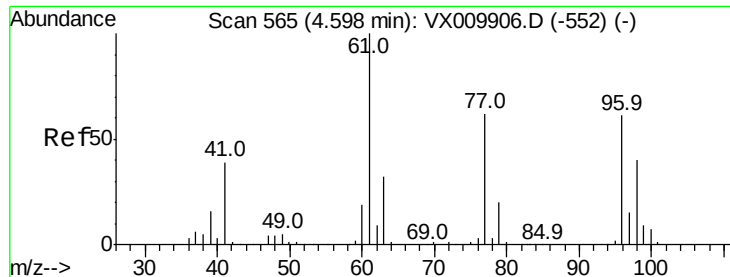
4.50

4.60

4.70

Time-->





#27

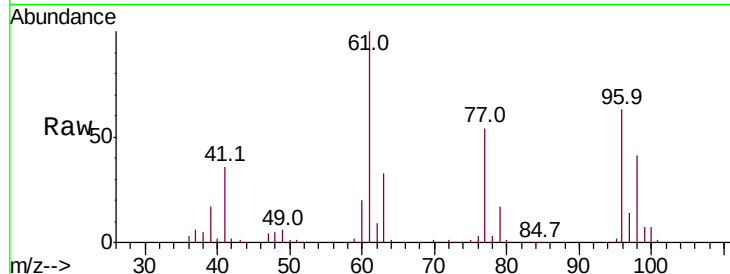
cis-1,2-Dichloroethene
 Concen: 47.733 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101166		
61	165.5		0.0	334.0
98	64.7		0.0	131.6

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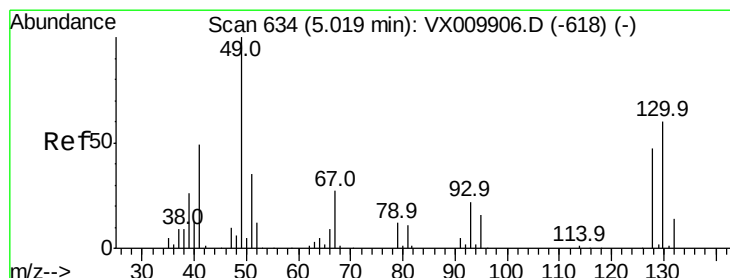
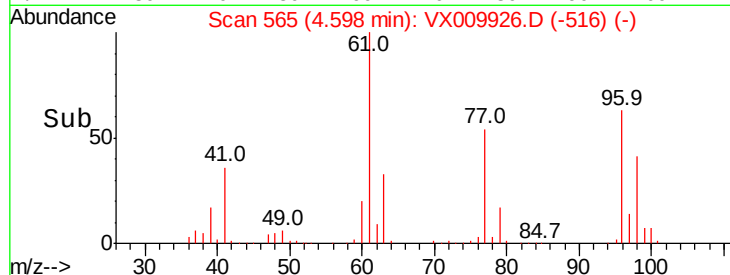
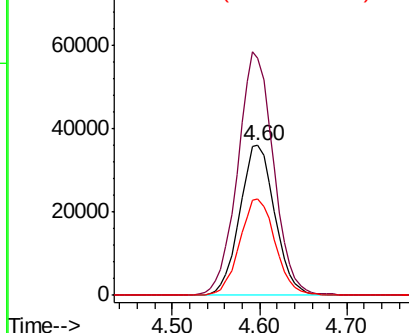


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

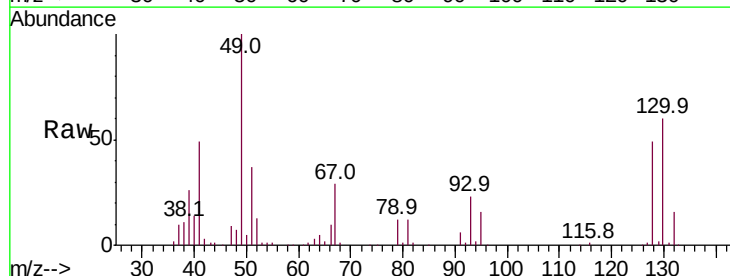
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 48.214 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92527		
129	1.7		0.0	3.4
130	60.4		49.4	74.2

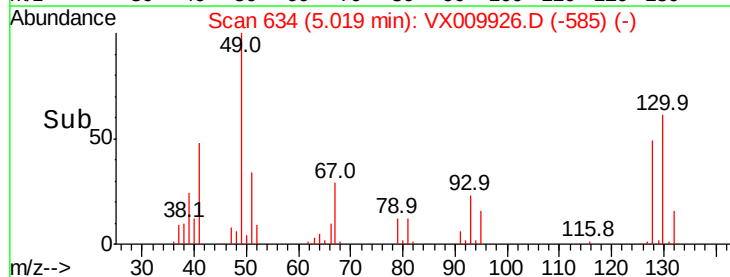
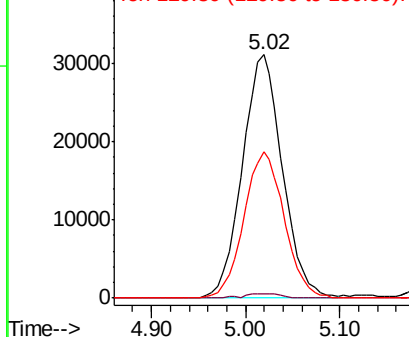


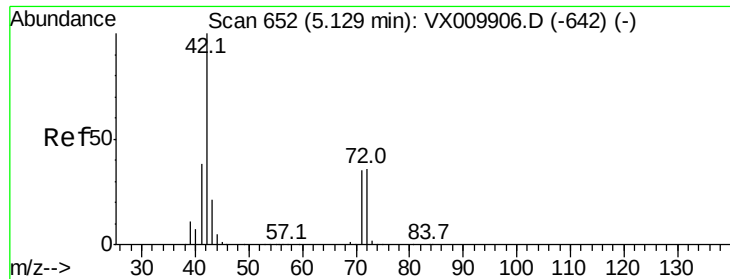
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 258.935 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

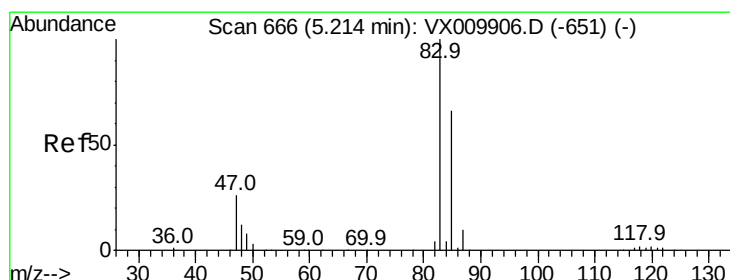
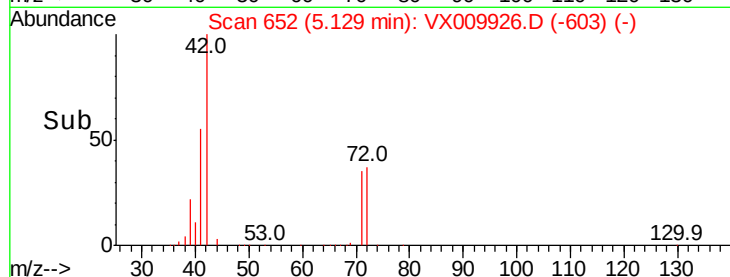
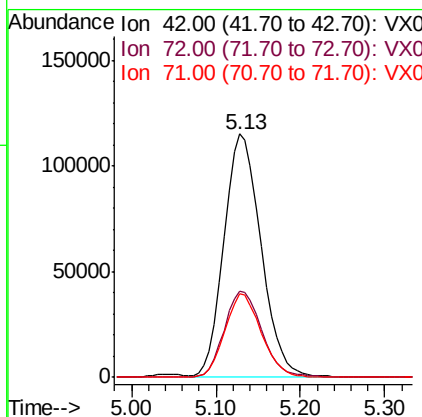
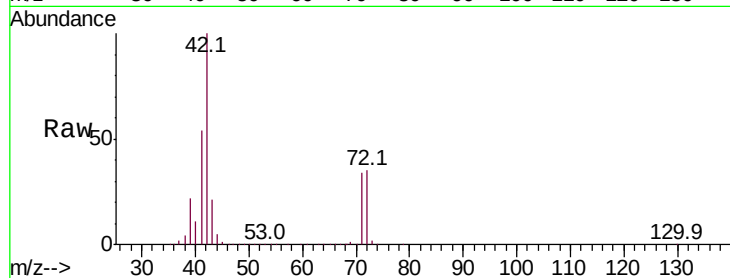
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	344024
Ion Ratio	Lower	Upper	
42	100		
72	36.4	29.2	43.8
71	34.0	27.6	41.4

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#30

Chloroform

Concen: 49.921 ug/l

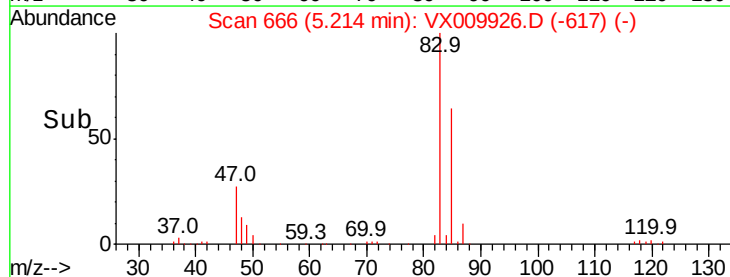
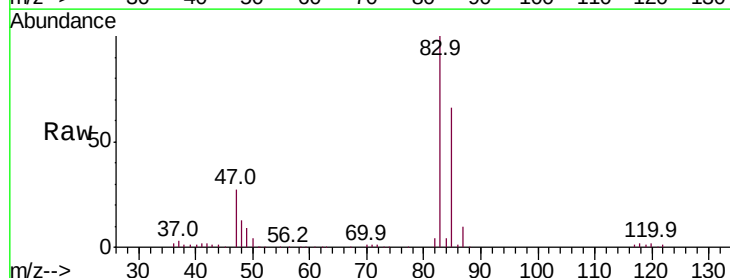
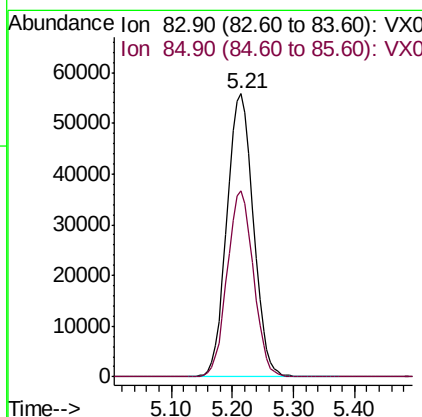
RT: 5.21 min Scan# 666

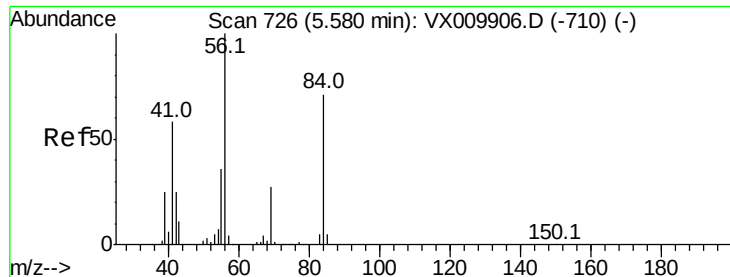
Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion:	83	Resp:	166496
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.6	78.8





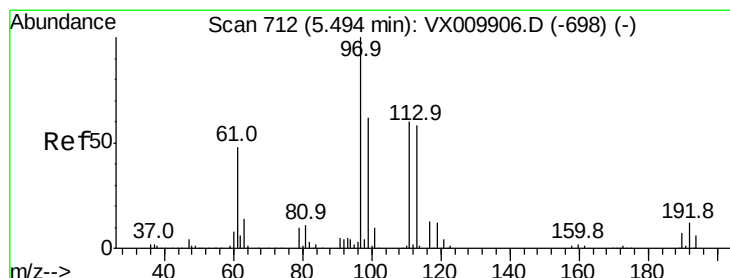
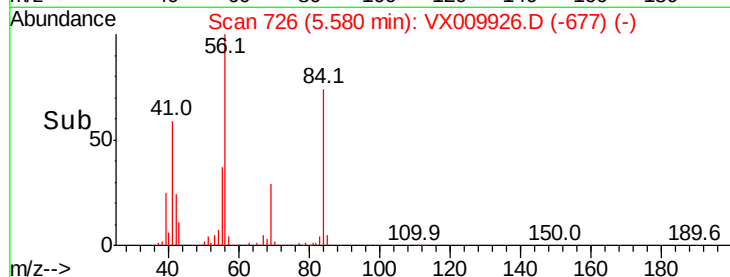
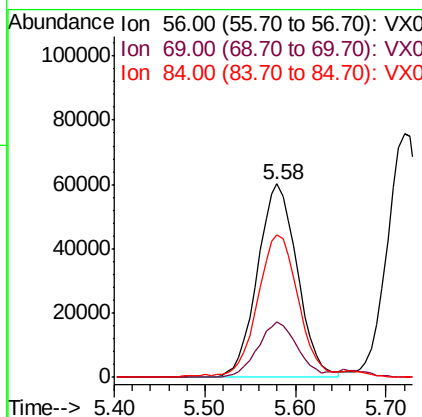
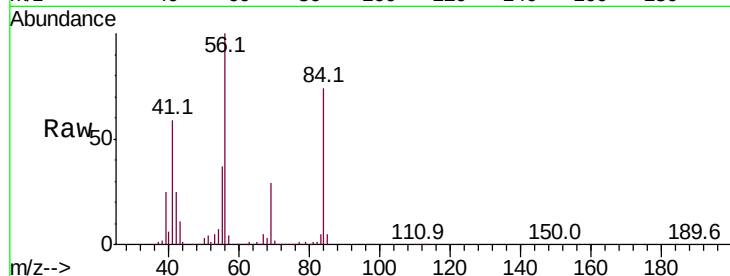
#31
Cyclohexane
Concen: 52.099 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	21.6	32.4
84	72.6	56.8	85.2

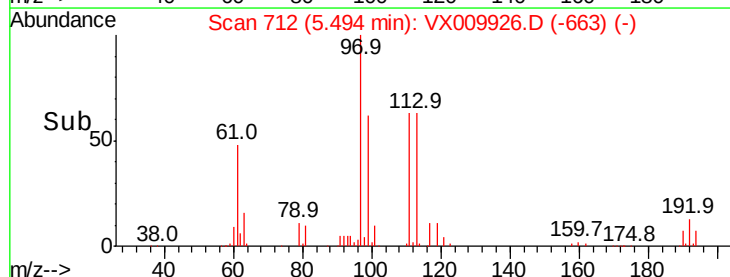
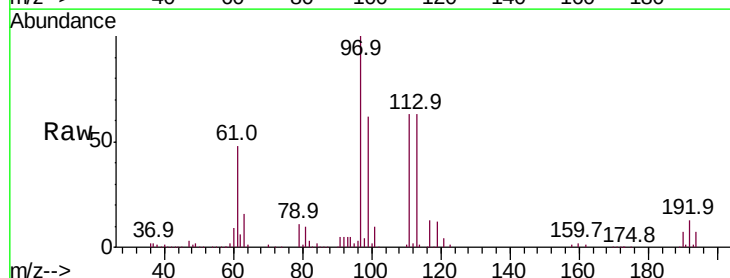
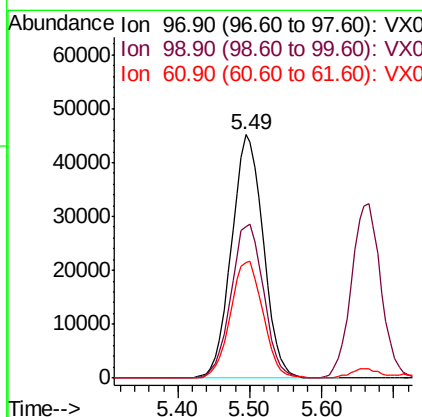
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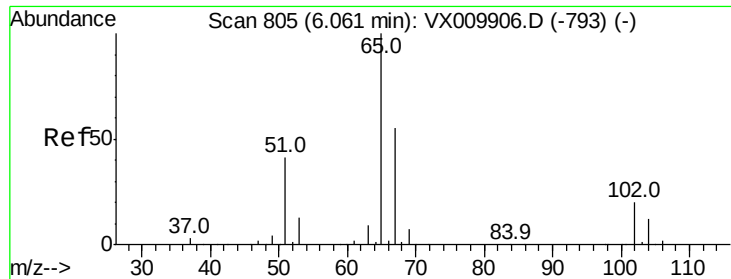
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#32
1,1,1-Trichloroethane
Concen: 51.027 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	49.4	38.7	58.1





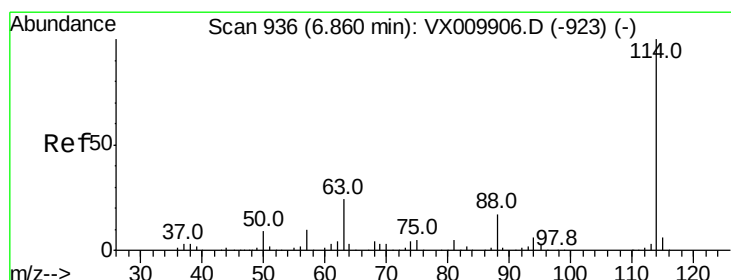
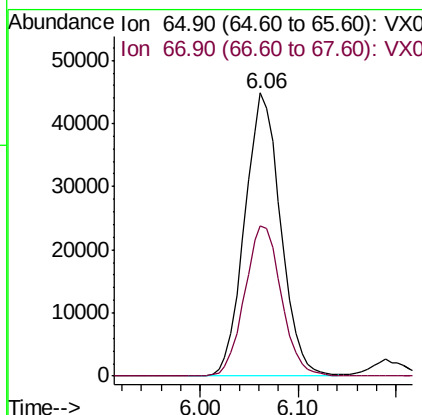
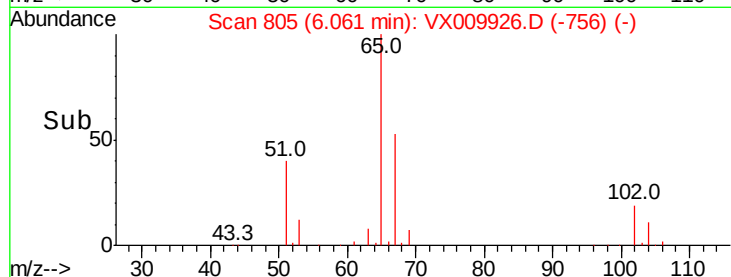
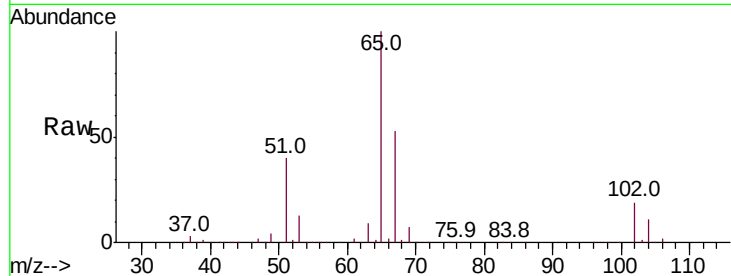
#33
 1,2-Dichloroethane-d4
 Concen: 49.781 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	108.4	

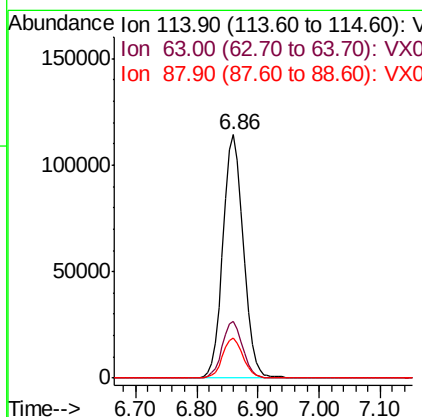
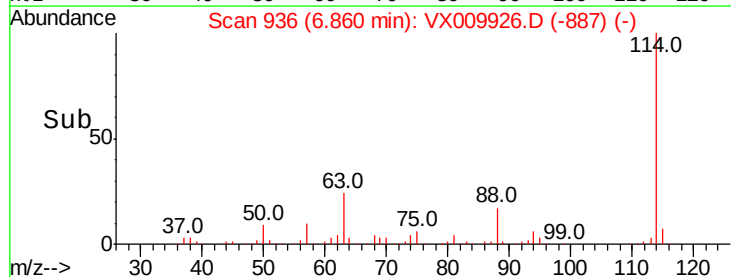
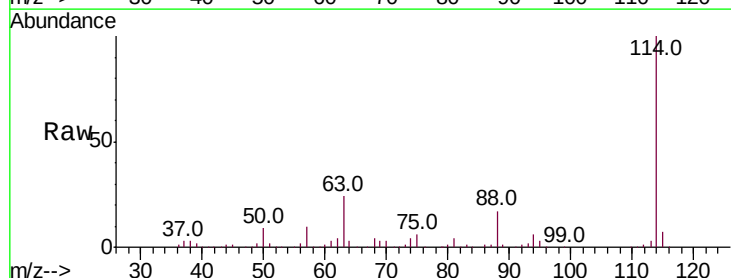
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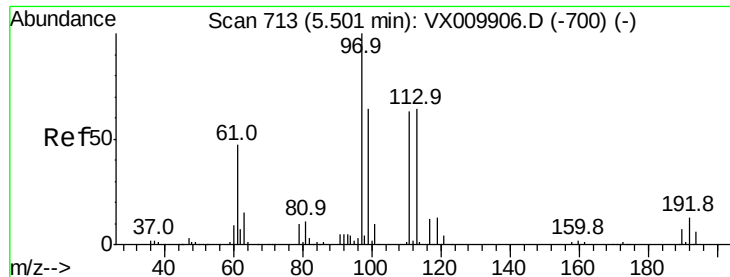
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.5	0.0	47.4	
88	16.6	0.0	33.0	





#35

Dibromofluoromethane

Concen: 49.143 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

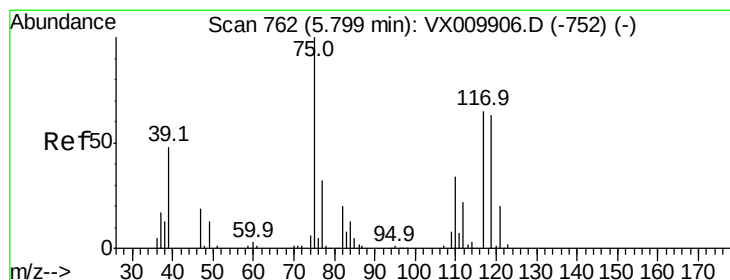
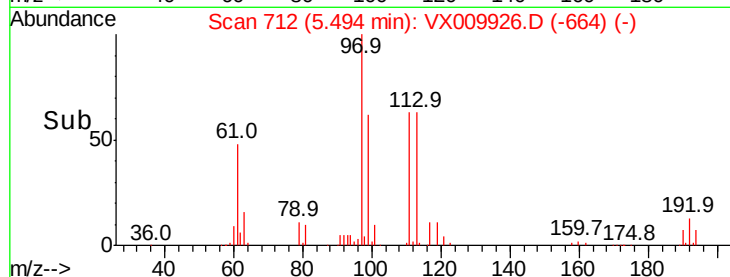
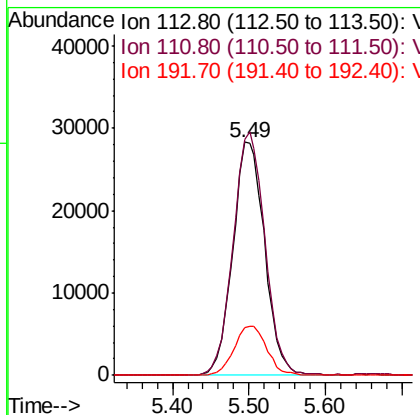
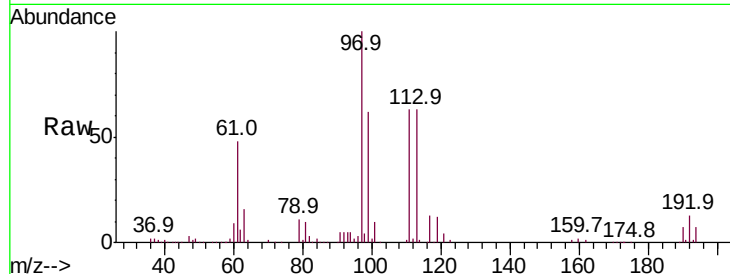
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	81875
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.2
192	21.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 47.985 ug/l

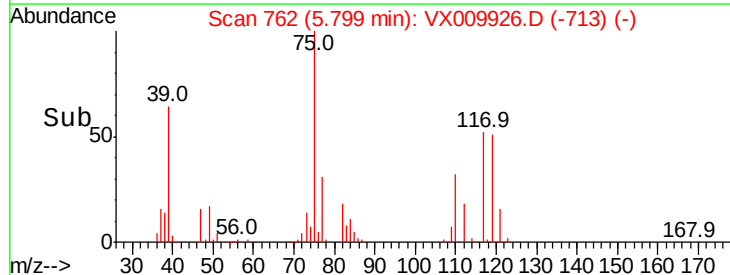
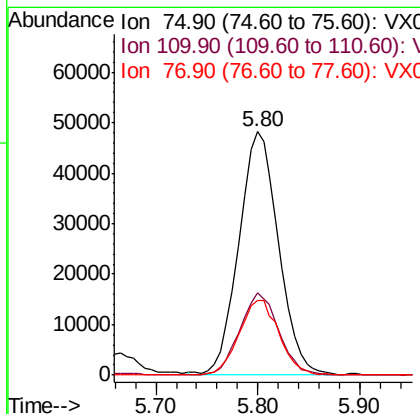
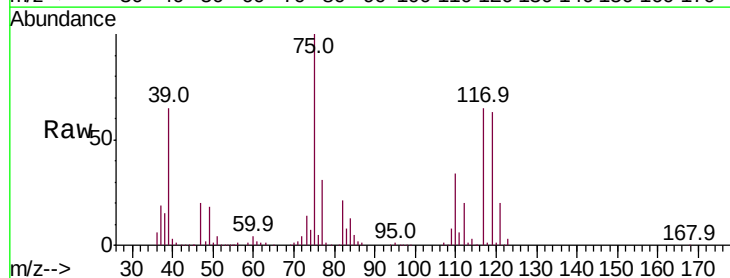
RT: 5.80 min Scan# 762

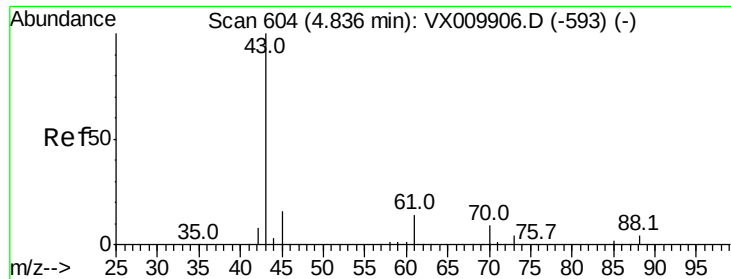
Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion:	75	Resp:	129019
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.7	50.1
77	31.5	25.0	37.4





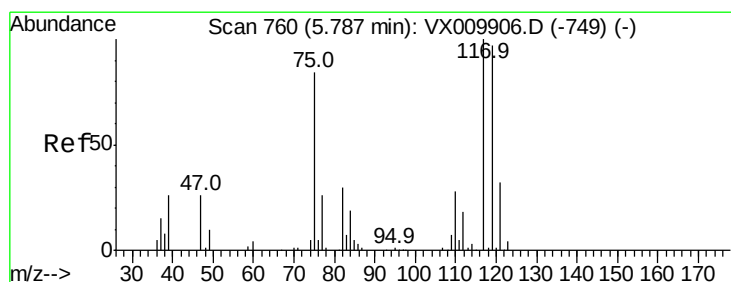
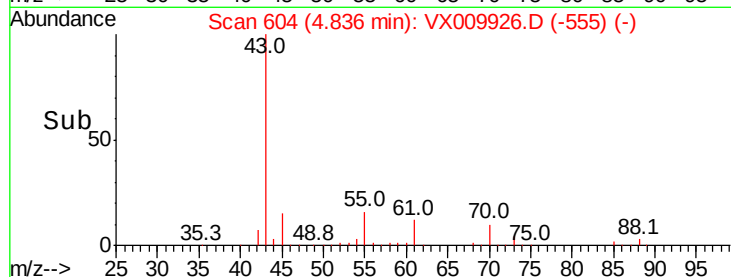
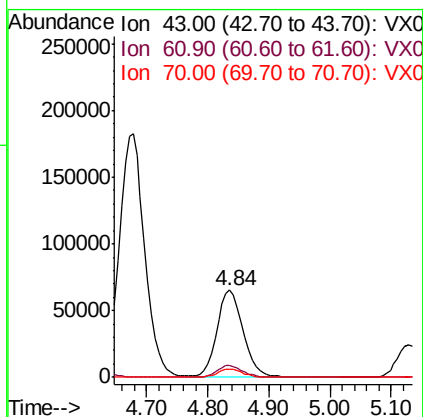
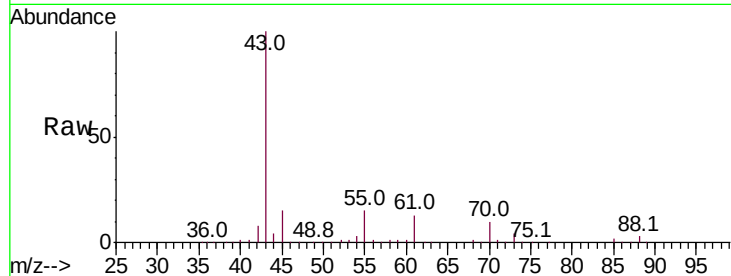
#37
Ethyl Acetate
Concen: 51.800 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.3	7.4	11.2

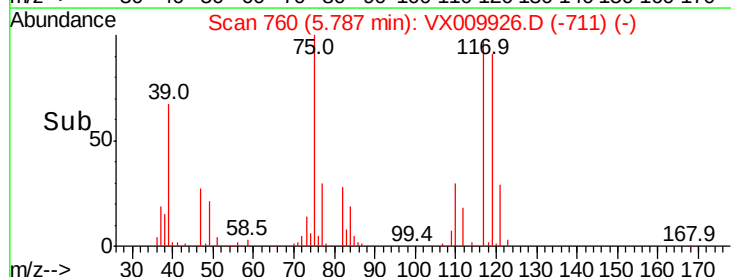
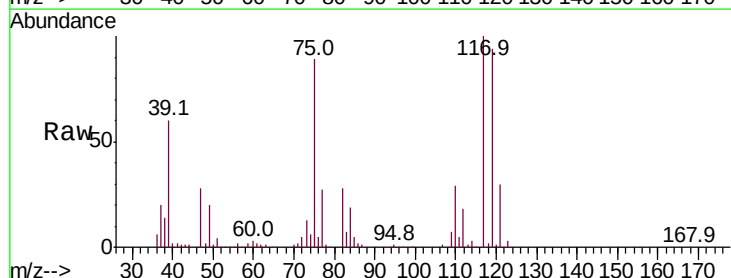
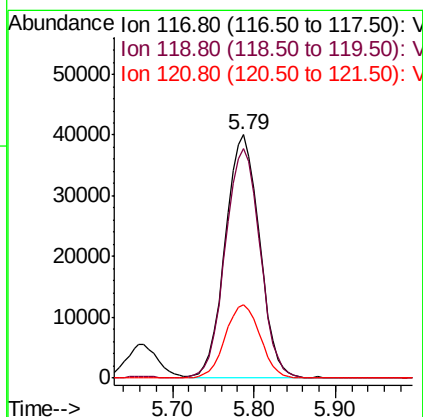
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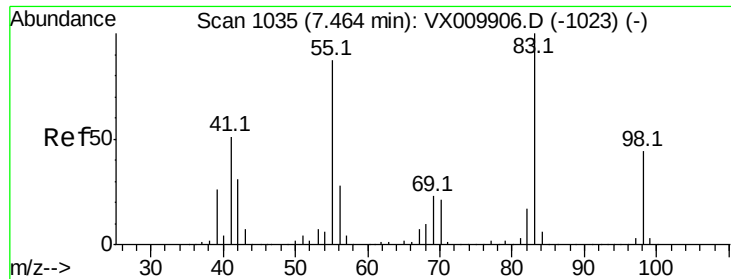
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#38
Carbon Tetrachloride
Concen: 50.148 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.3	115.9
121	30.1	25.4	38.0





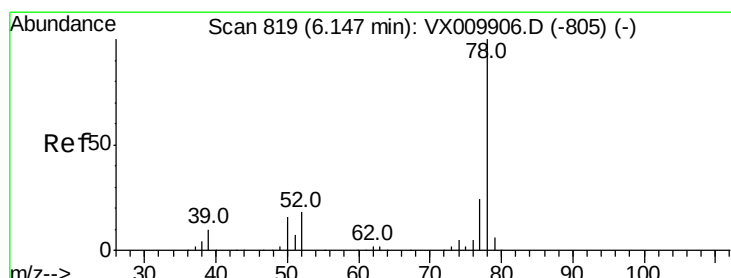
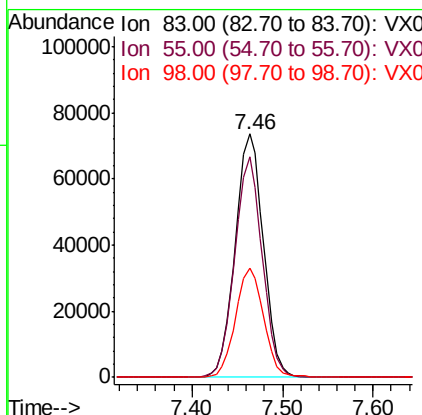
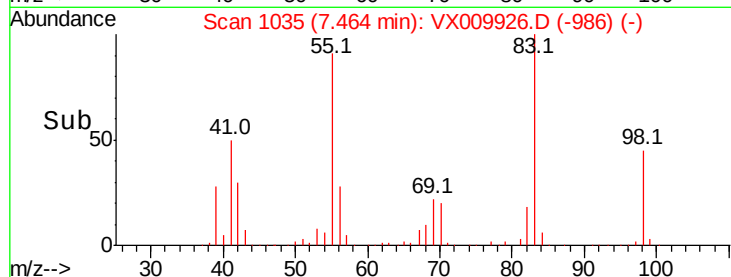
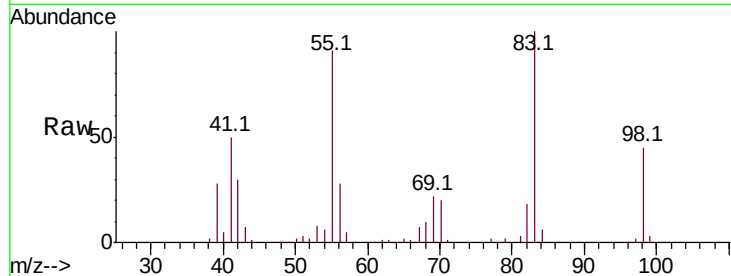
#39
Methylvlcyclohexane
Concen: 49.860 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	90.5	69.9	104.9	
98	45.0	35.1	52.7	

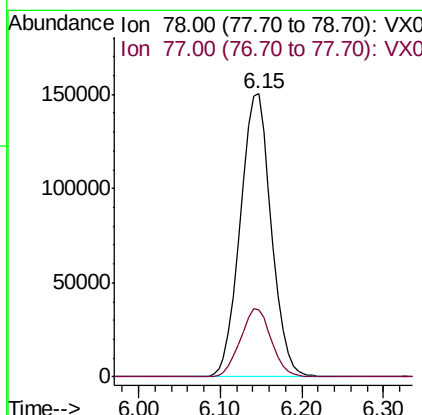
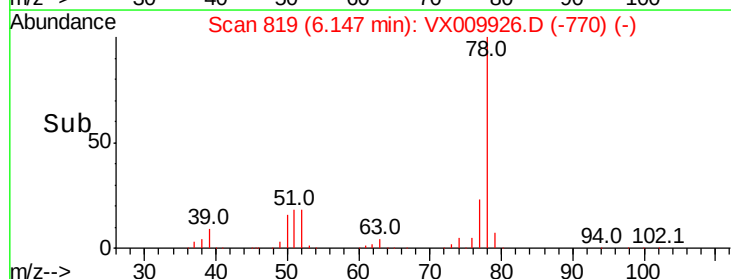
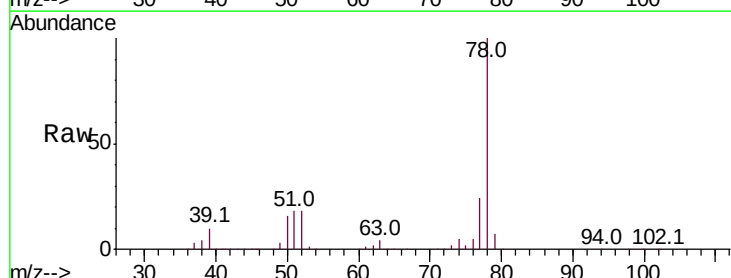
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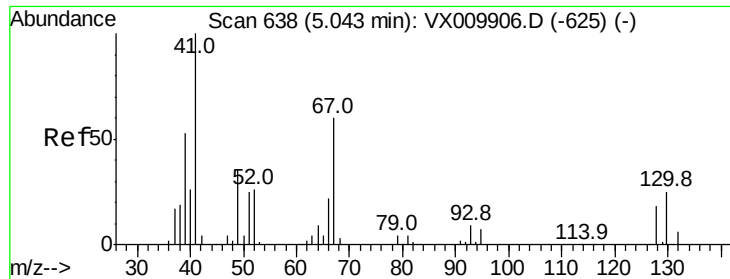
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#40
Benzene
Concen: 49.856 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.2	28.8	





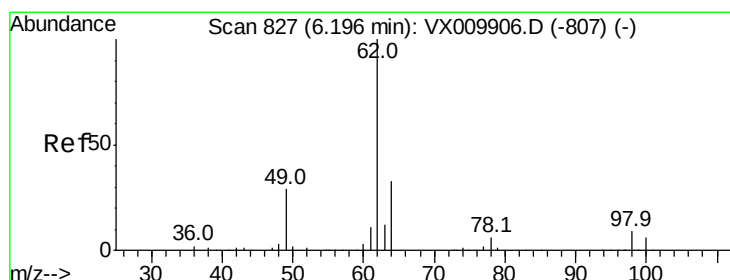
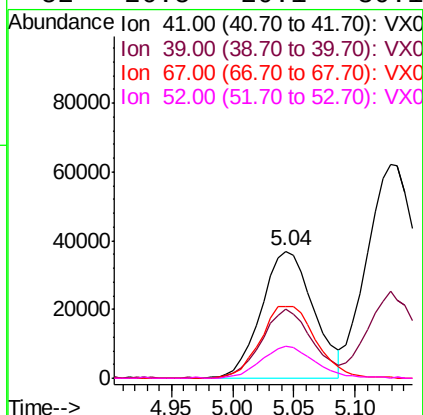
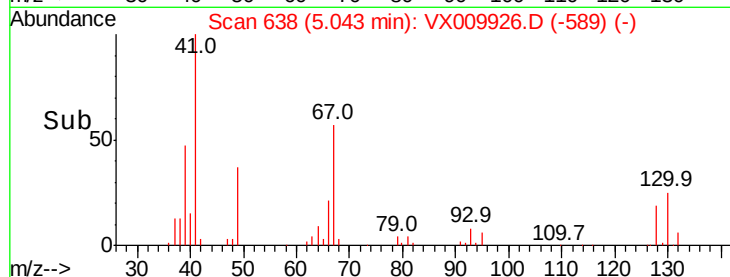
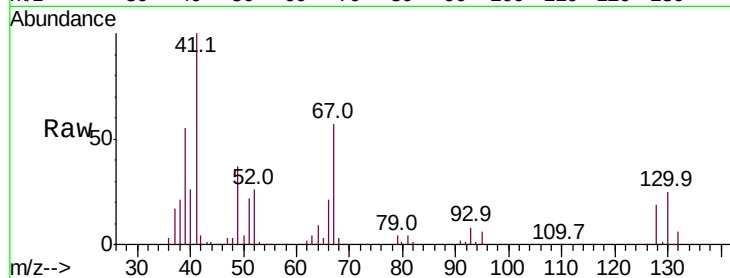
#41
Methacrylonitrile
Concen: 50.040 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.2	63.4
67	60.6	48.9	73.3
52	26.5	20.1	30.1

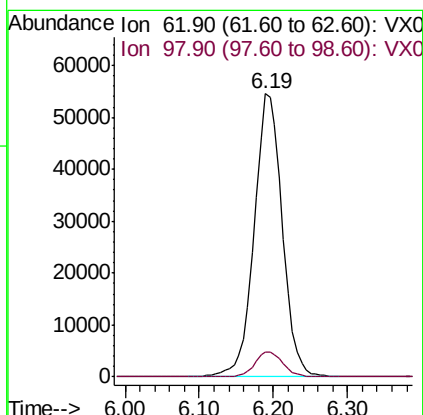
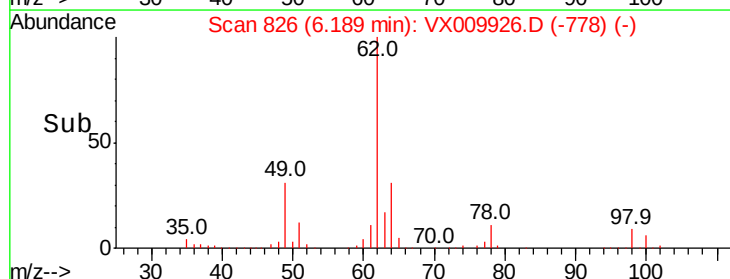
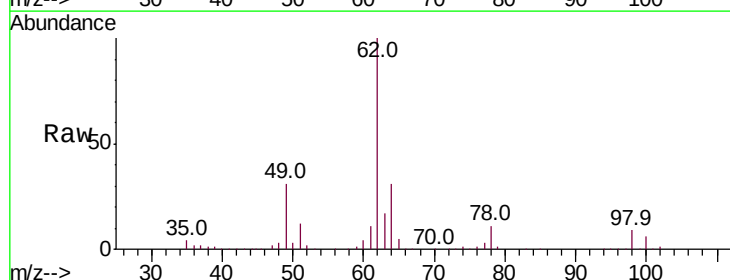
Manual Integrations
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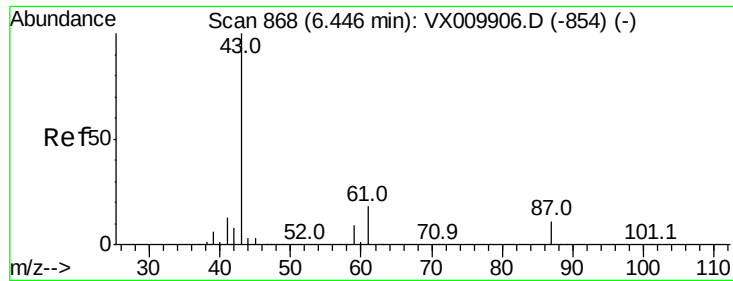
MMDadoda
5/29/2019 9:25:26 AM



#42
1,2-Dichloroethane
Concen: 48.776 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

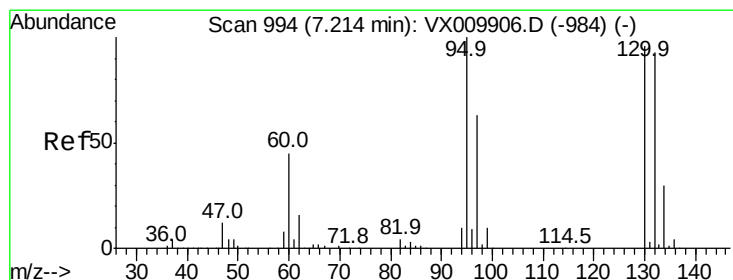
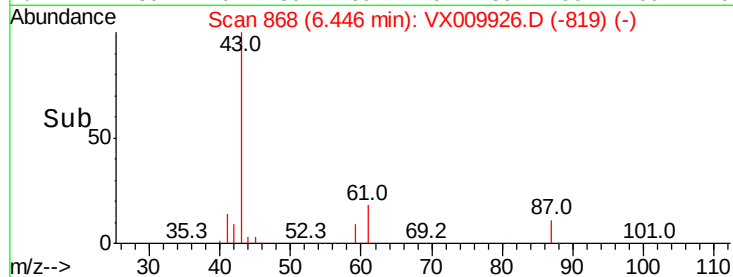
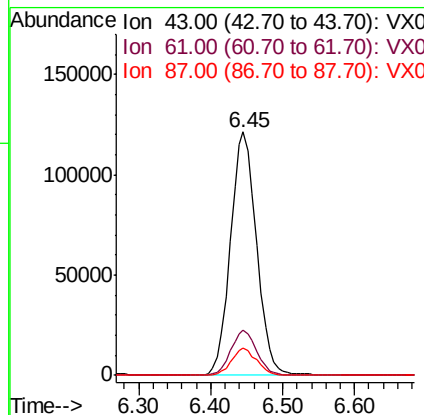
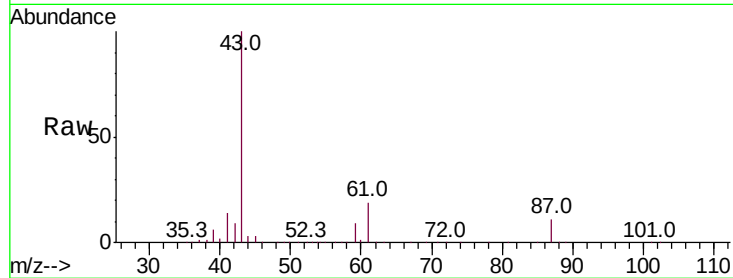
Isopropyl Acetate
 Concen: 50.260 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	21.8
87	10.8	8.7	13.1

Manual Integrations
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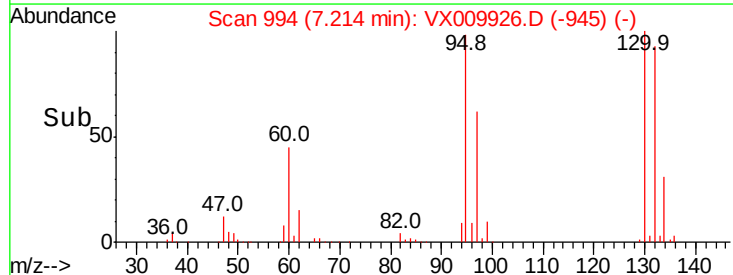
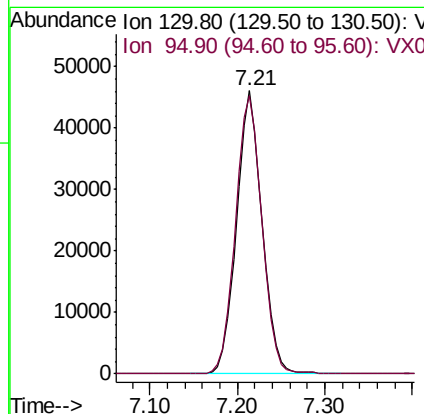
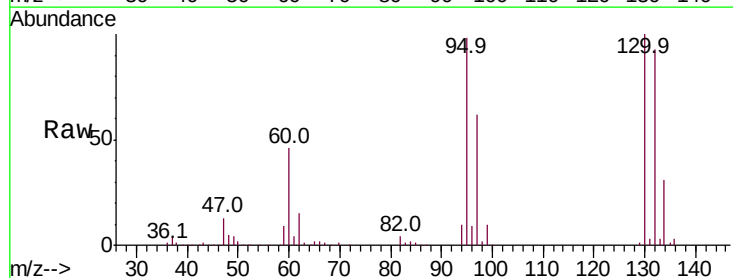
MMDadoda
 5/29/2019 9:25:26 AM

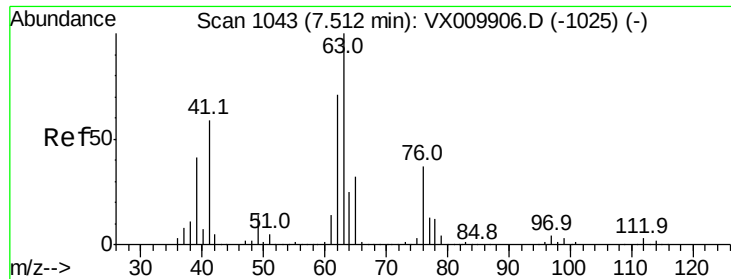


#44

Trichloroethene
 Concen: 48.284 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	207.4





#45

1,2-Dichloropropane

Concen: 49.671 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 114045

Ion Ratio Lower Upper

63 100

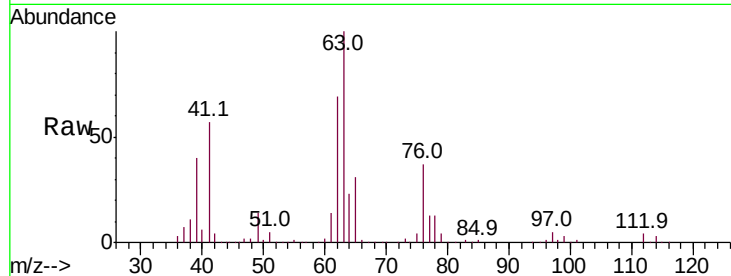
65 31.4 25.7 38.5

Manual Integrations

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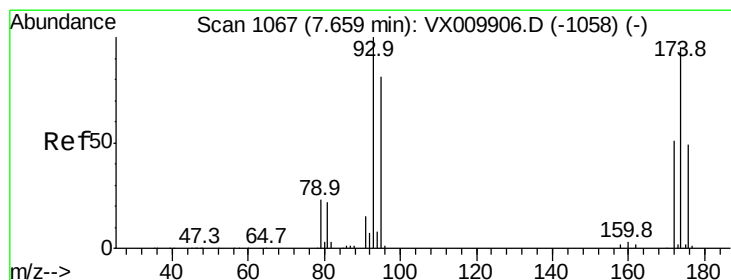
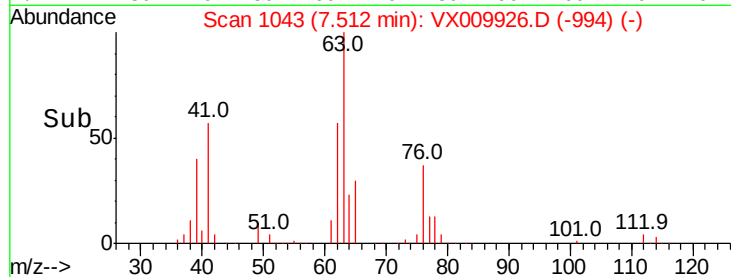
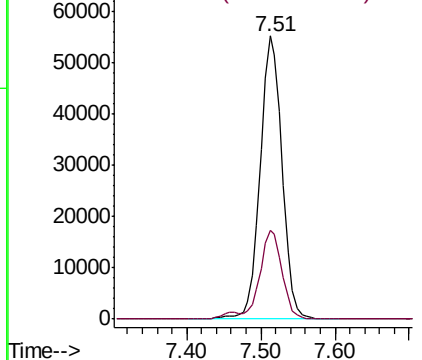
MMDadoda

5/29/2019 9:25:26 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.373 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

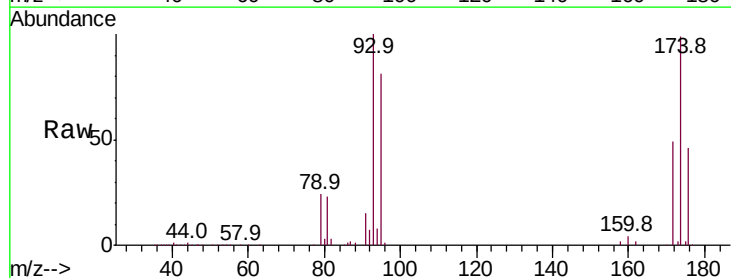
Tgt Ion: 93 Resp: 64024

Ion Ratio Lower Upper

93 100

95 82.5 66.8 100.2

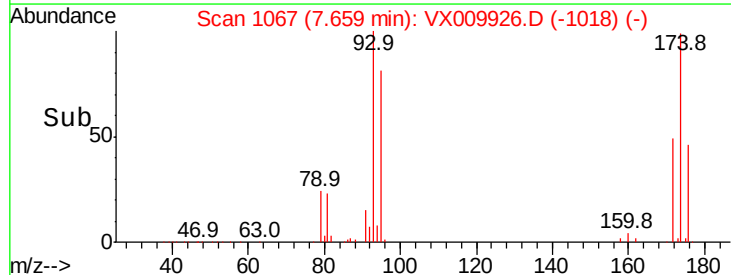
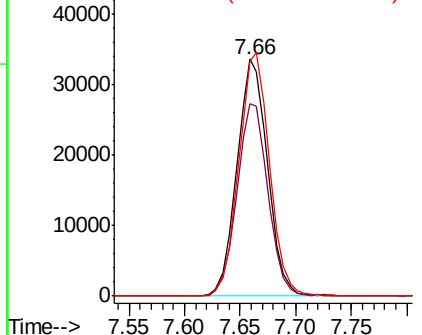
174 103.5 81.9 122.9

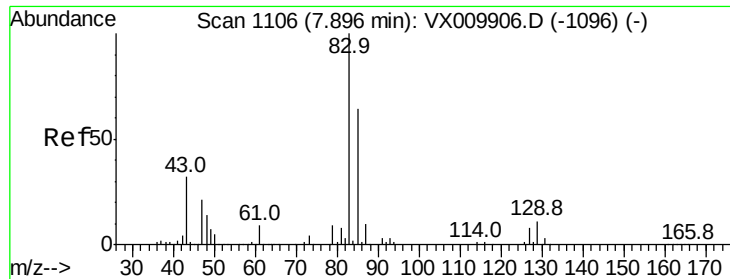


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





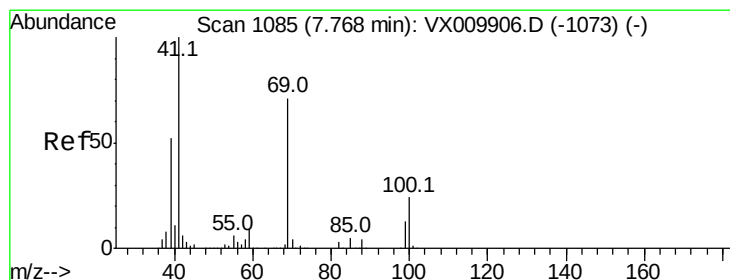
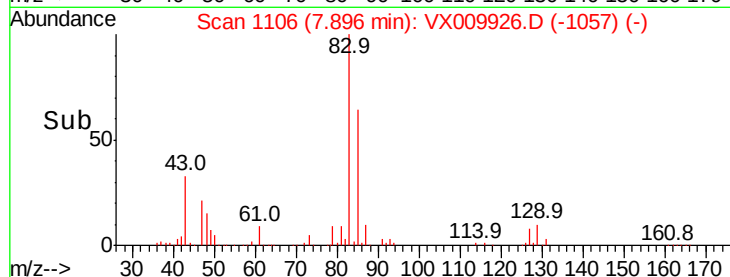
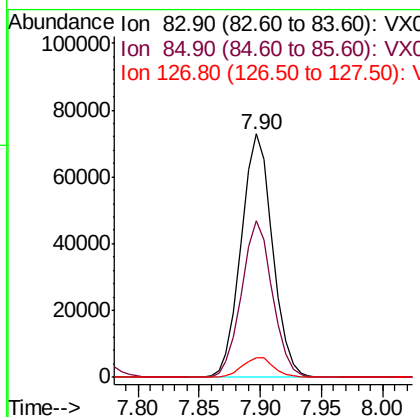
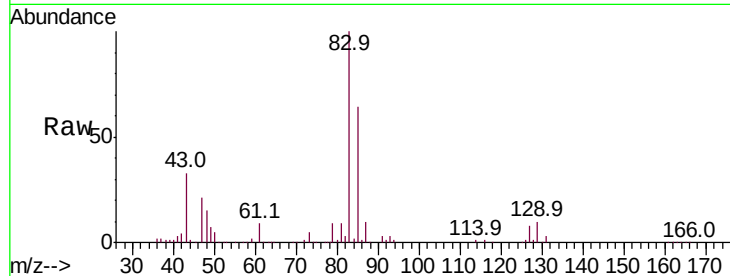
#47
Bromodichloromethane
Concen: 50.596 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	8.0	6.4	9.6

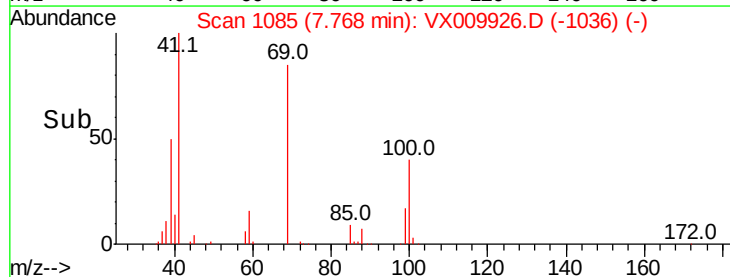
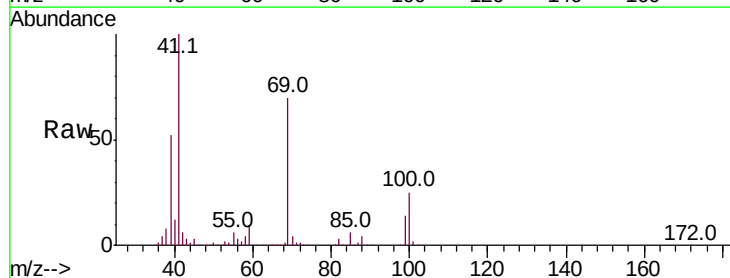
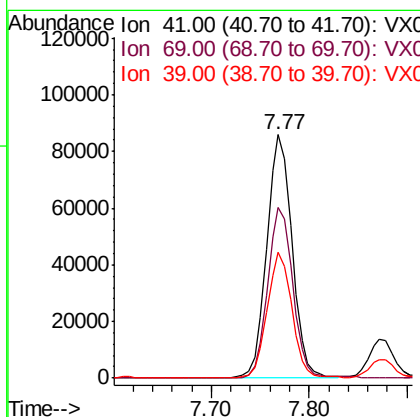
Manual Integrations
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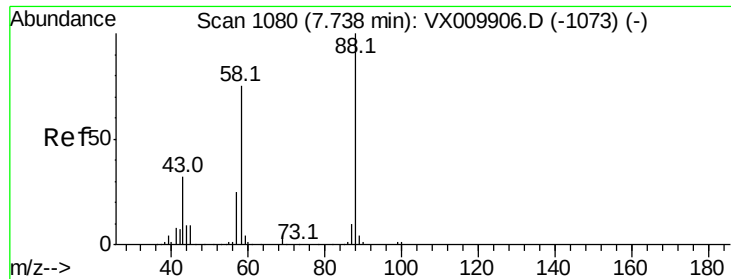
MMDadoda
5/29/2019 9:25:26 AM



#48
Methyl methacrylate
Concen: 51.773 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.9	56.4	84.6
39	50.2	40.6	60.8





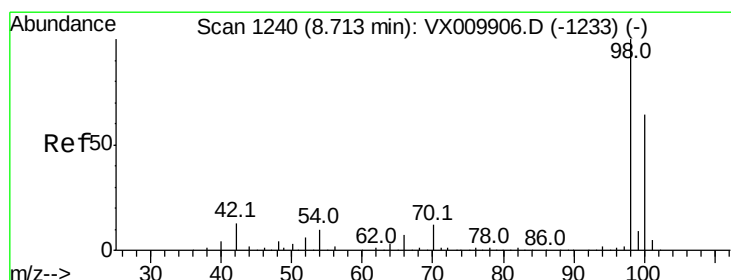
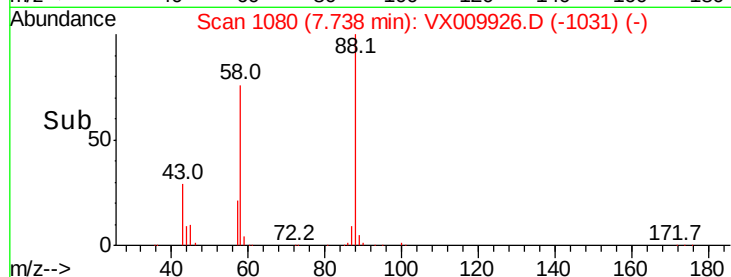
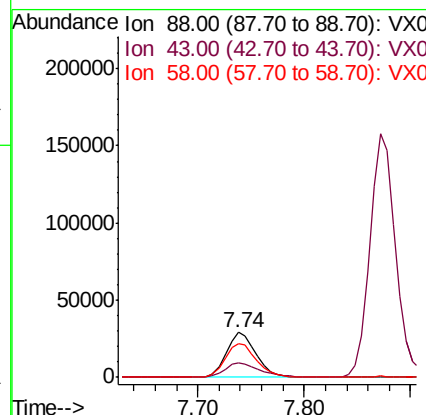
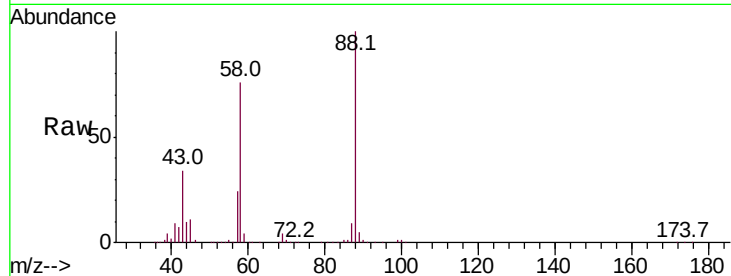
#49
1,4-Dioxane
Concen: 1016.876 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.2	45.4
58	80.3	64.0	96.0

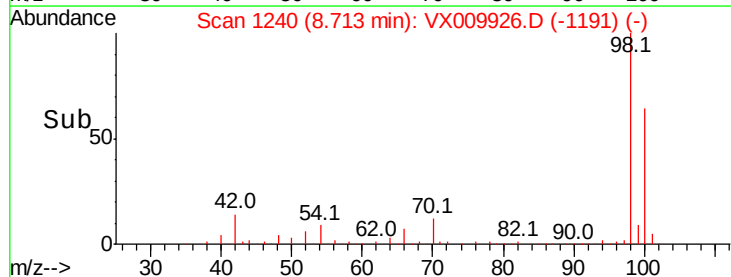
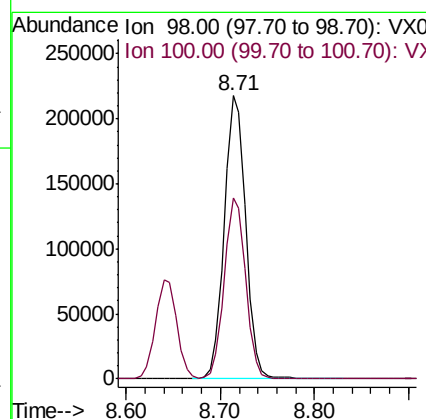
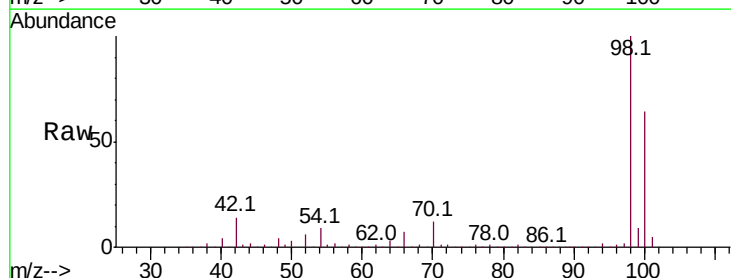
Manual Integrations
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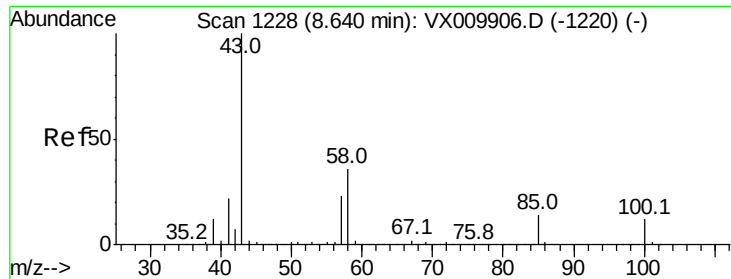
MMDadoda
5/29/2019 9:25:26 AM



#50
Toluene-d8
Concen: 50.761 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 261.327 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1027623

Ion Ratio Lower Upper

43 100

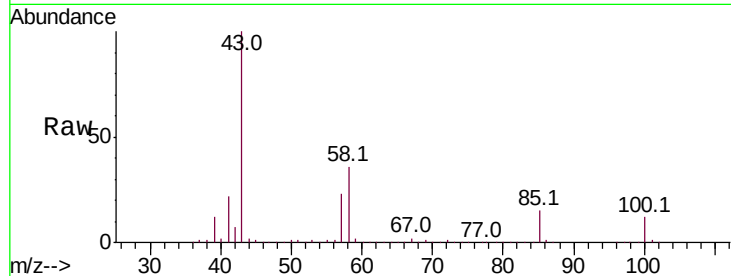
58 35.5 28.8 43.2

Manual Integrations

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MMDadoda

5/29/2019 9:25:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

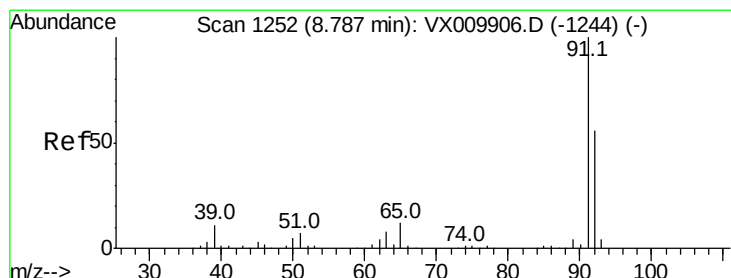
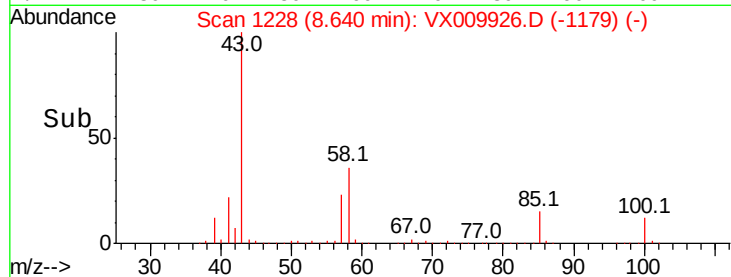
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.013 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009926.D

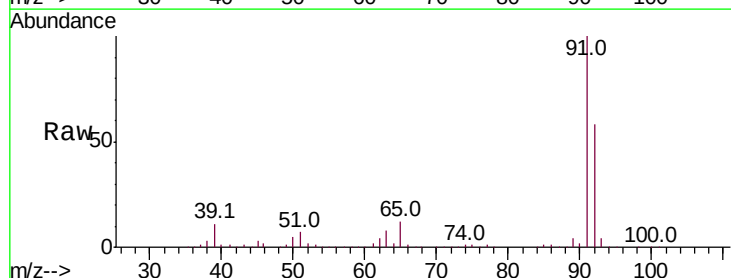
Acq: 28 May 2019 19:40

Tgt Ion: 92 Resp: 242198

Ion Ratio Lower Upper

92 100

91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

300000

250000

200000

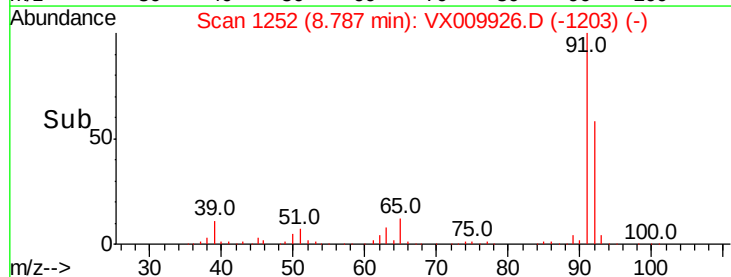
150000

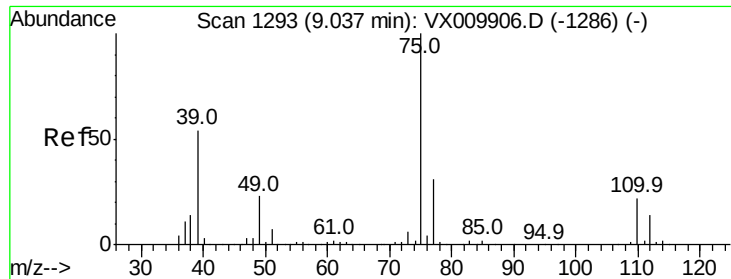
100000

50000

0

Time-->





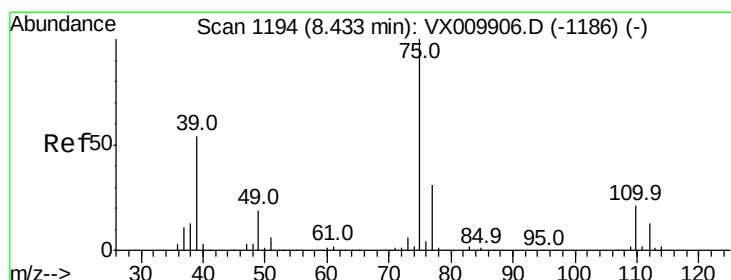
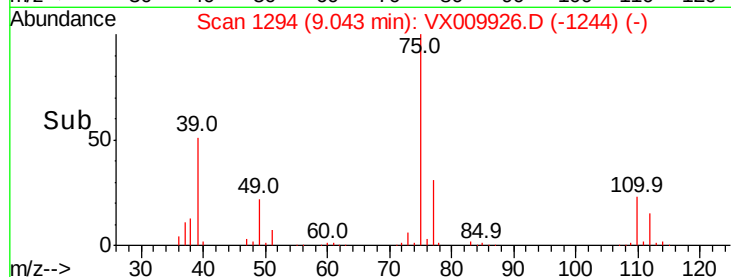
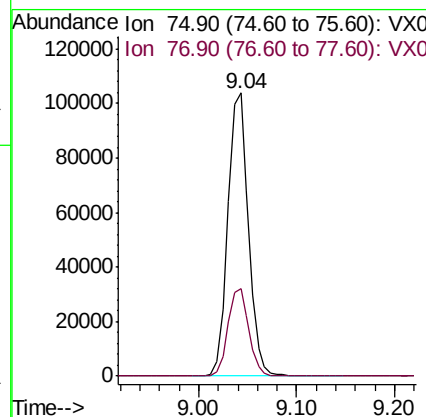
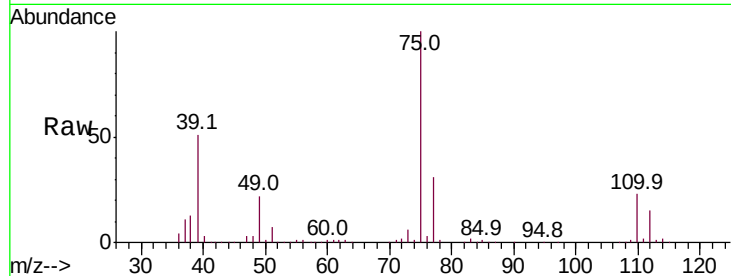
#53
 t-1,3-Dichloropropene
 Concen: 49.168 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 151547
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 36.8

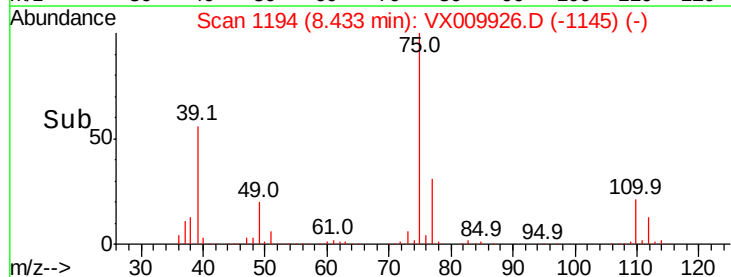
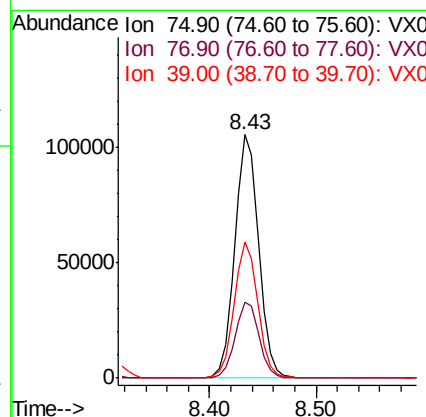
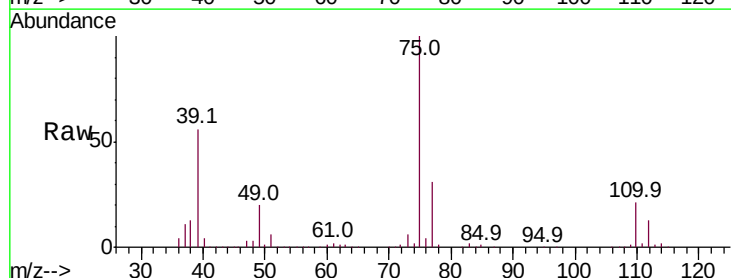
Manual Integrations
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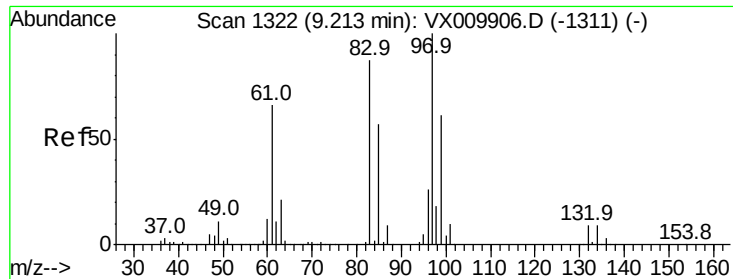
MMDadoda
 5/29/2019 9:25:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.430 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion: 75 Resp: 165998
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2
 39 55.9 43.4 65.0





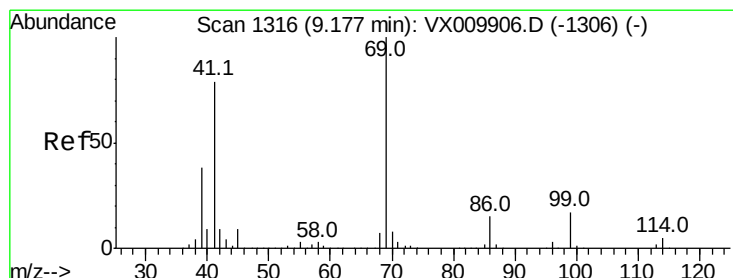
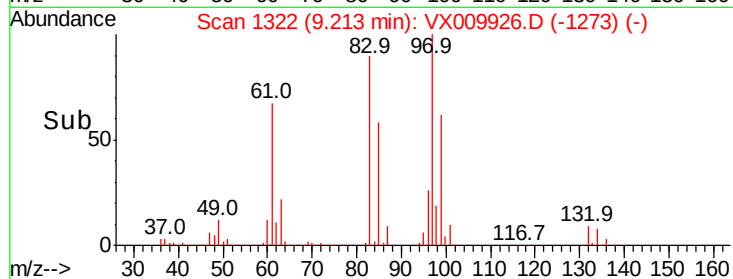
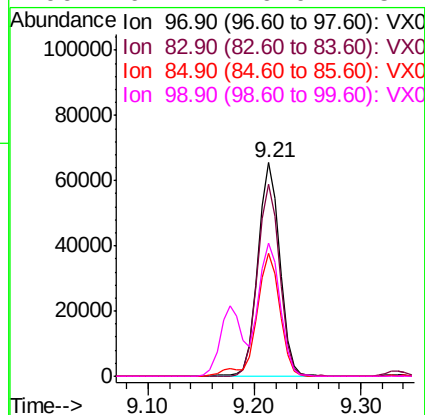
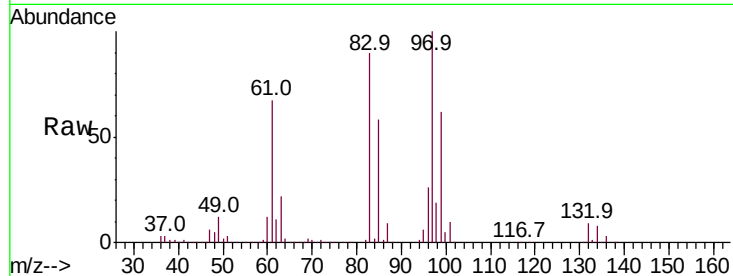
#55
 1,1,2-Trichloroethane
 Concen: 48.942 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.8	104.8
85	57.6	45.3	67.9
99	62.4	49.0	73.4

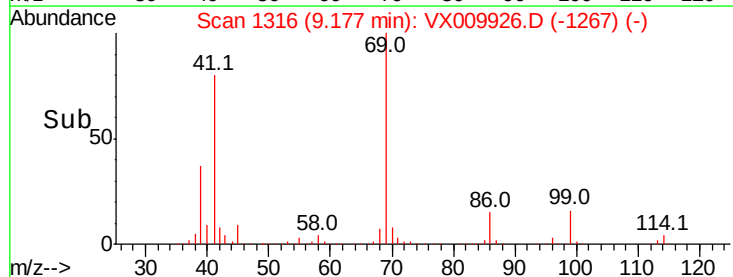
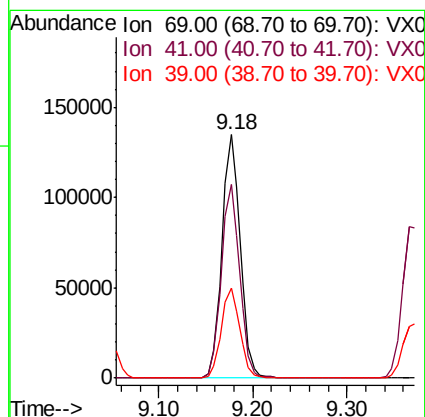
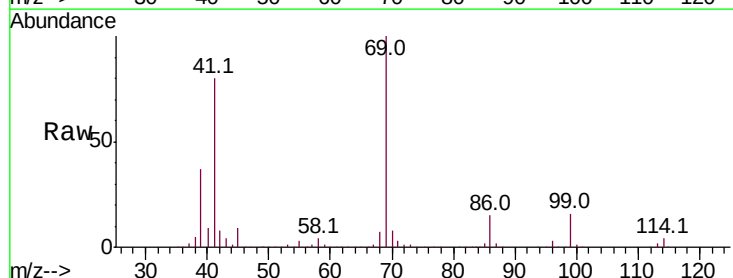
Manual Integrations
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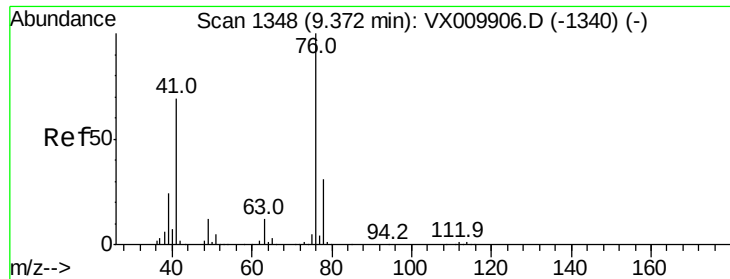
MMDadoda
 5/29/2019 9:25:26 AM



#56
 Ethyl methacrylate
 Concen: 52.481 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.8	62.7	94.1
39	37.3	29.5	44.3





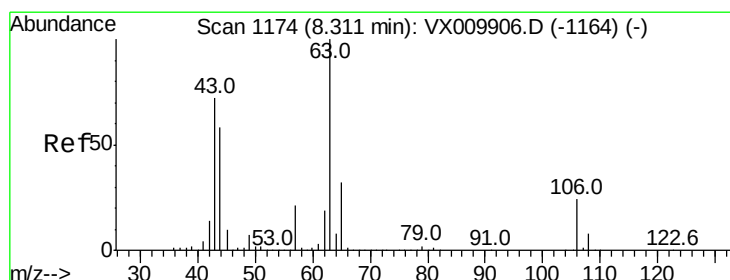
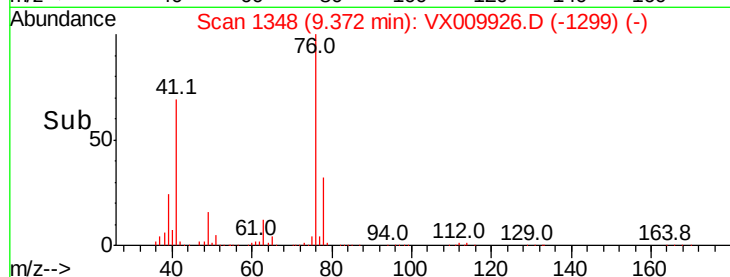
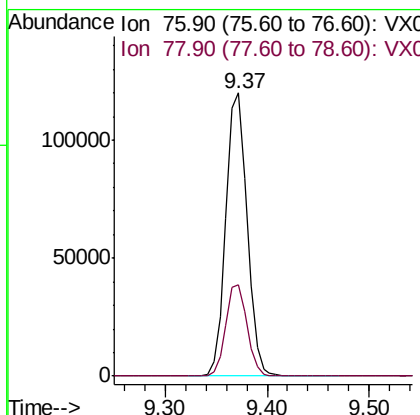
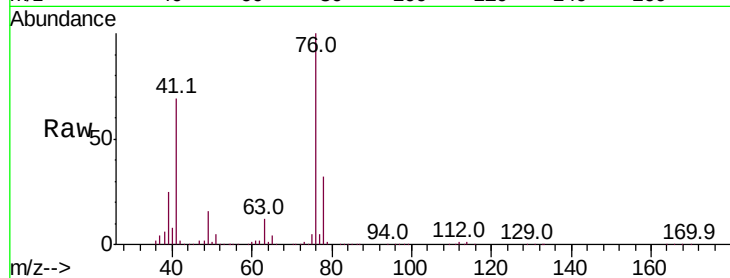
#57
 1,3-Dichloropropane
 Concen: 49.412 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

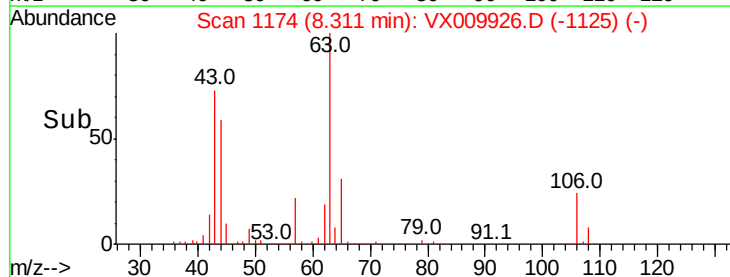
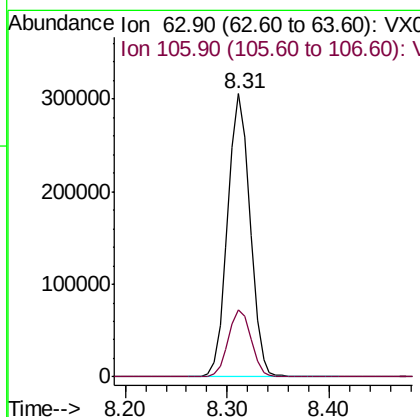
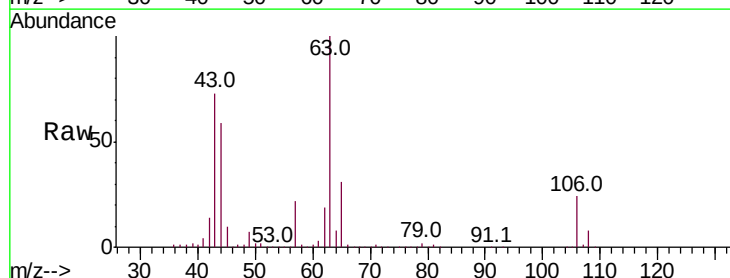
Manual Integrations
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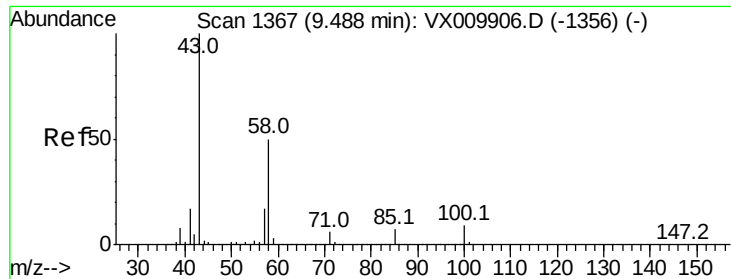
MMDadoda
 5/29/2019 9:25:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.037 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	19.4	29.2





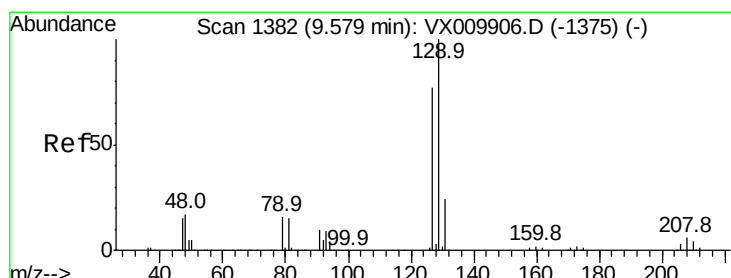
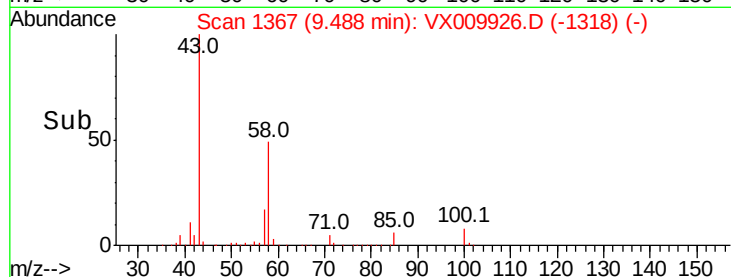
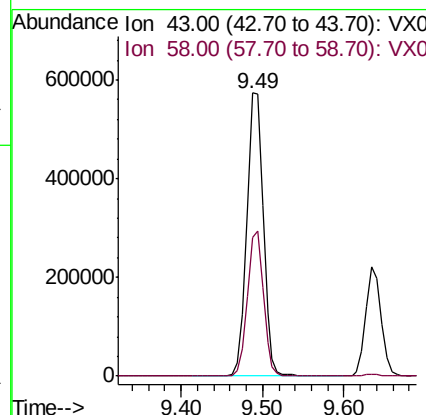
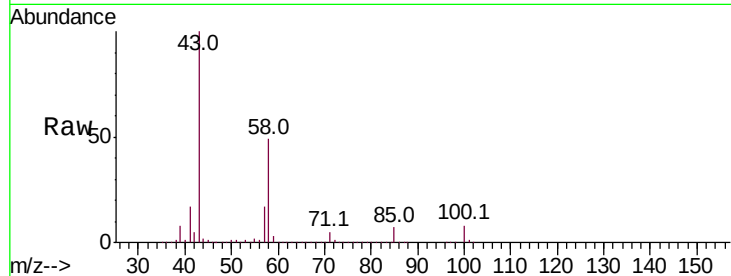
#59
2-Hexanone
Concen: 263.346 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 797281
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3

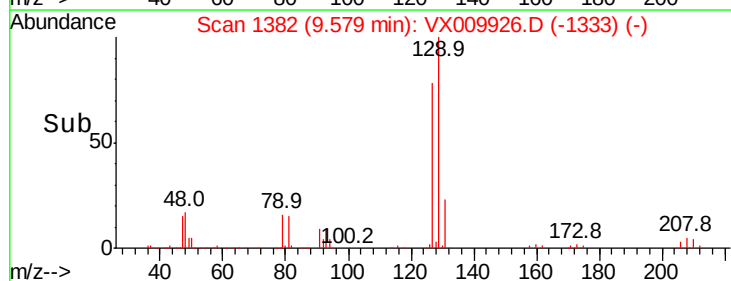
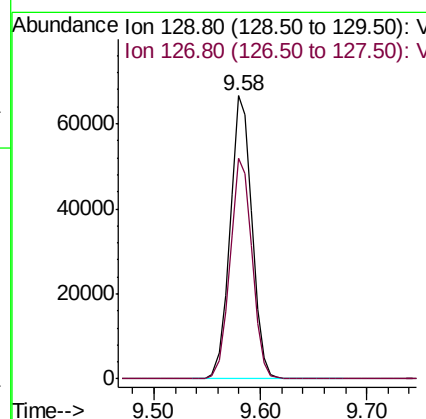
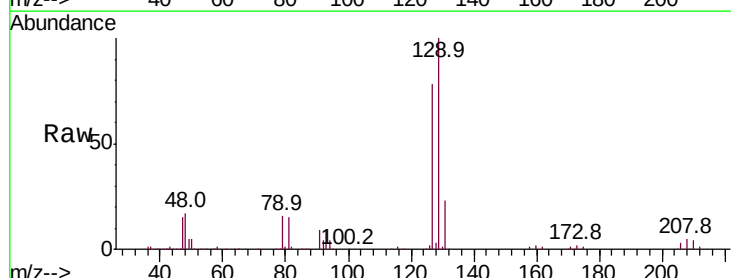
Manual Integrations
APPROVED

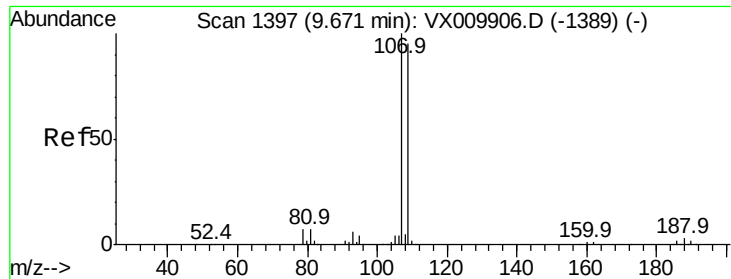
MMDadoda
5/29/2019 9:25:26 AM



#60
Dibromochloromethane
Concen: 50.044 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion: 129 Resp: 95951
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.559 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 99239

Ion Ratio Lower Upper

107 100

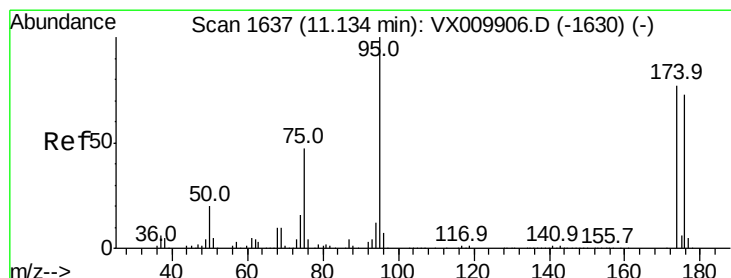
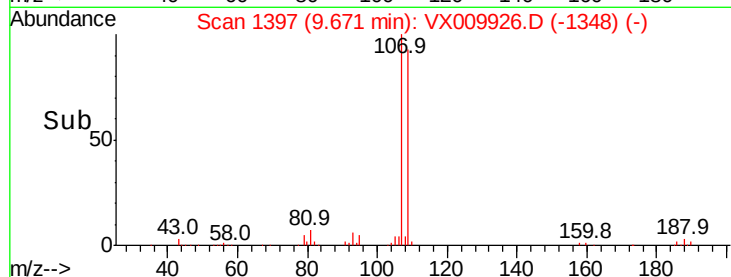
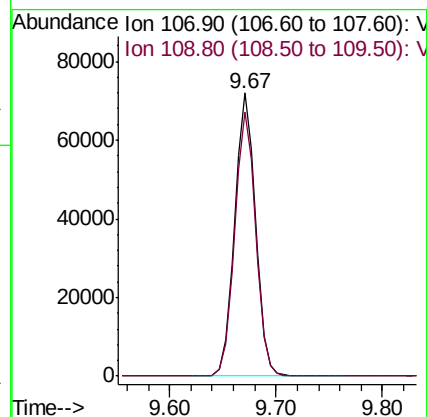
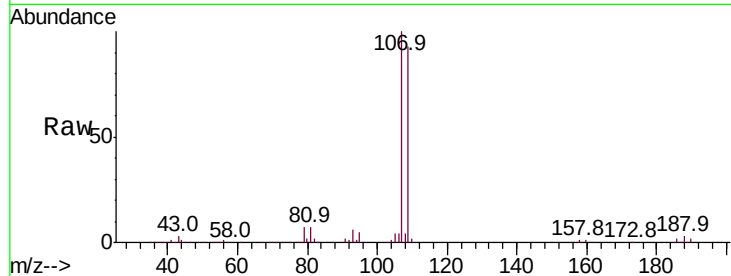
109 93.9 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 51.846 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

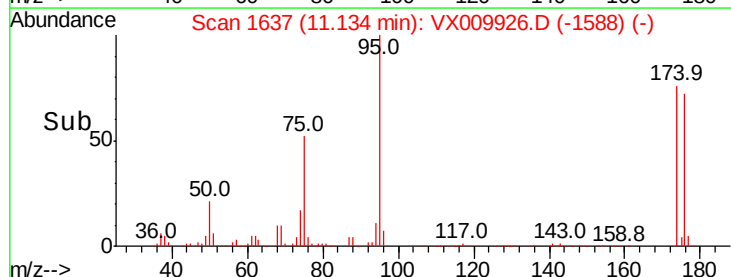
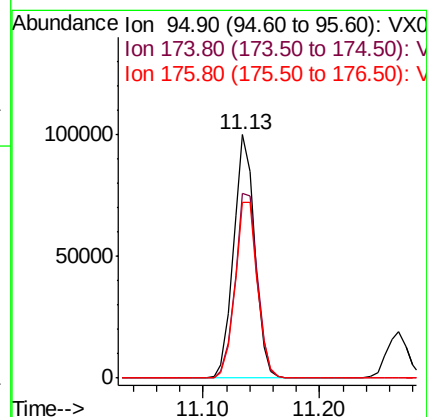
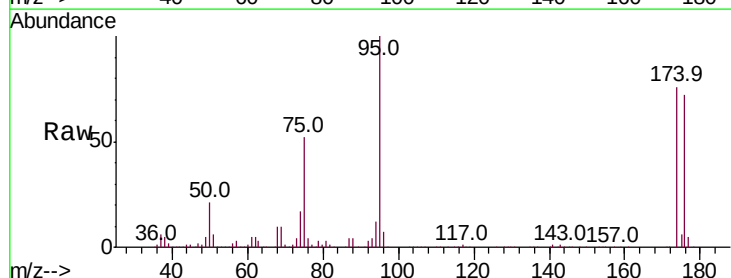
Tgt Ion: 95 Resp: 125988

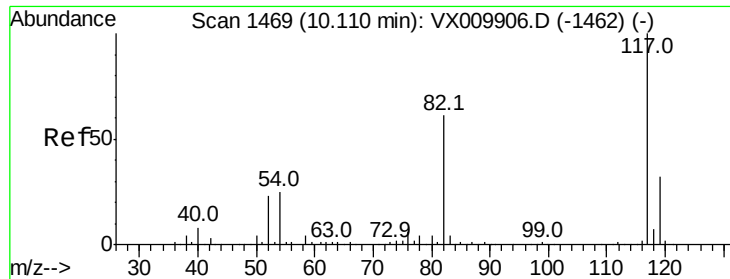
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.4

176 76.5 0.0 154.6





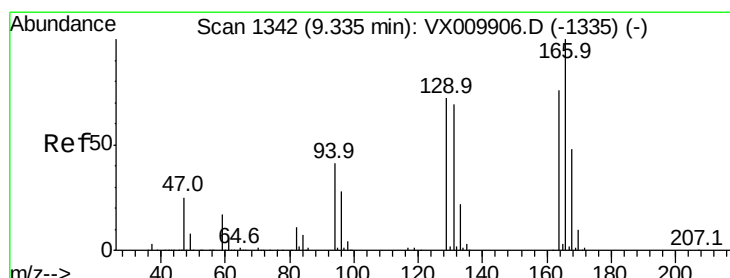
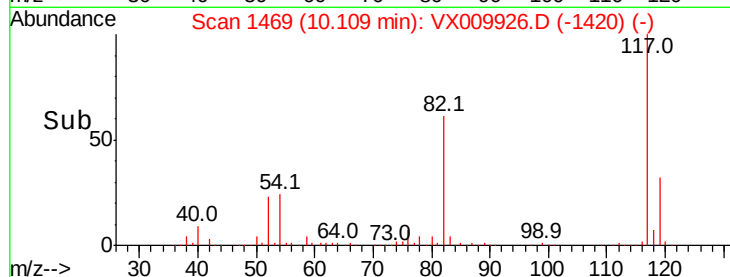
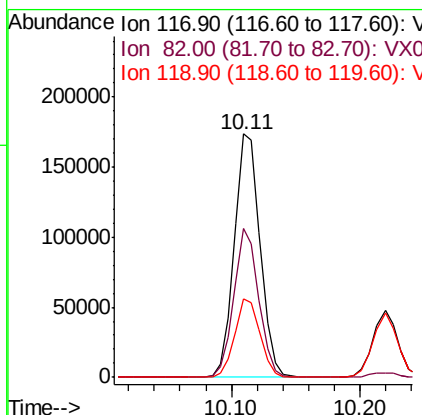
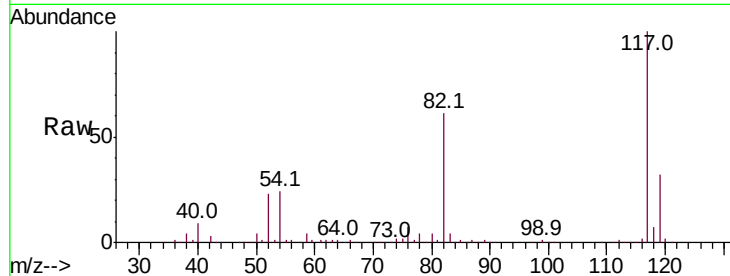
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.2	73.8
119	32.0	25.2	37.8

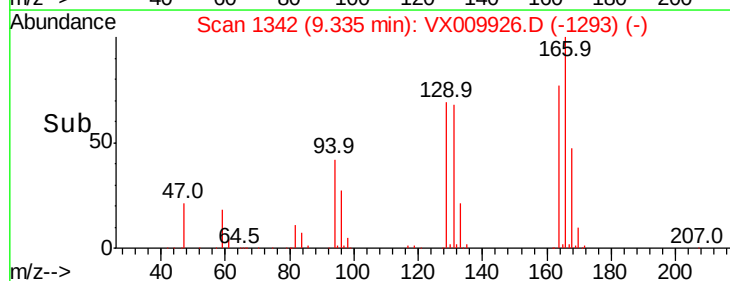
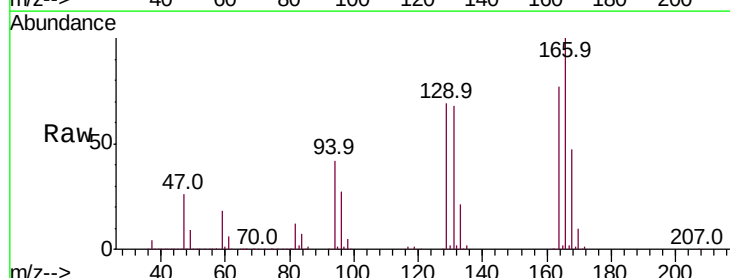
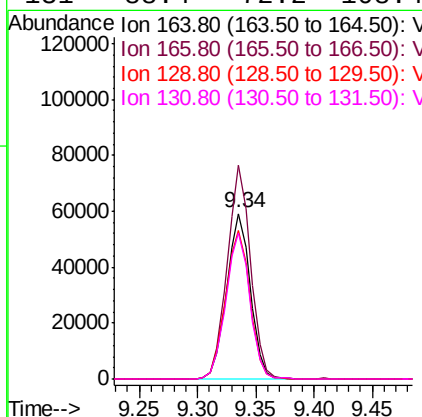
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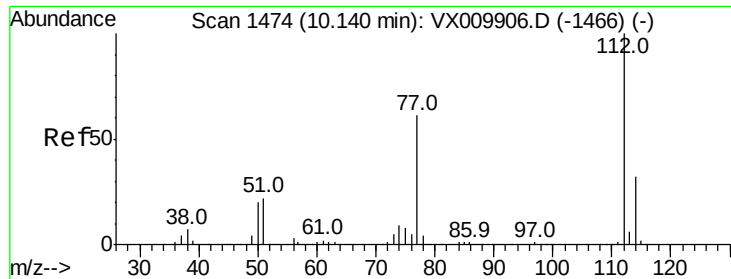
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#64
Tetrachloroethene
Concen: 49.498 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	105.0	157.4
129	89.8	75.1	112.7
131	88.4	72.2	108.4





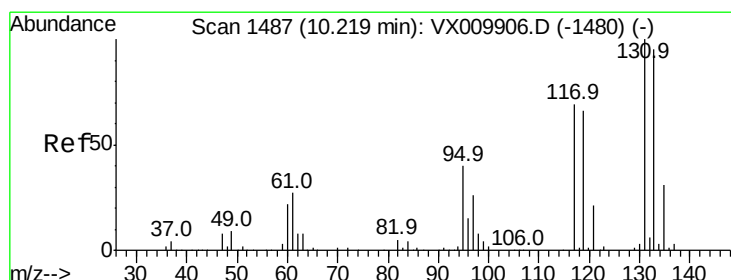
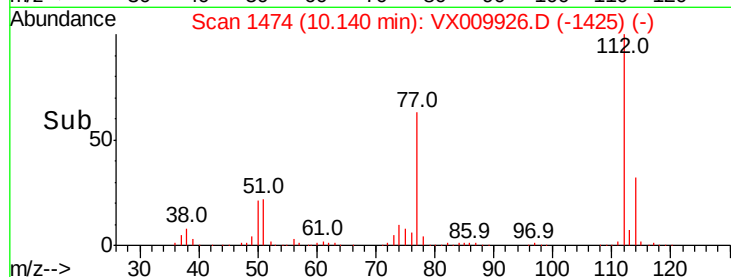
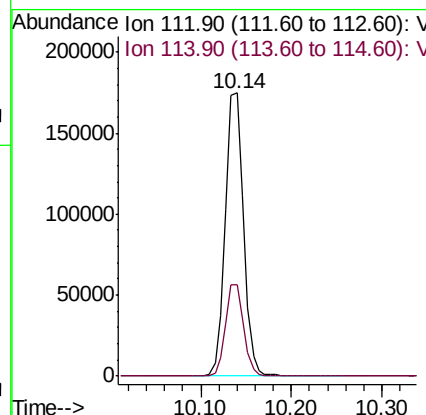
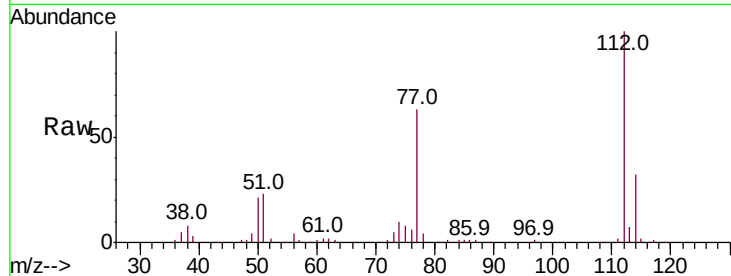
#65
Chlorobenzene
Concen: 48.332 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 245595
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

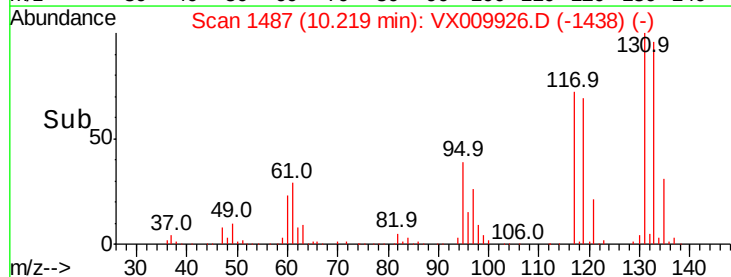
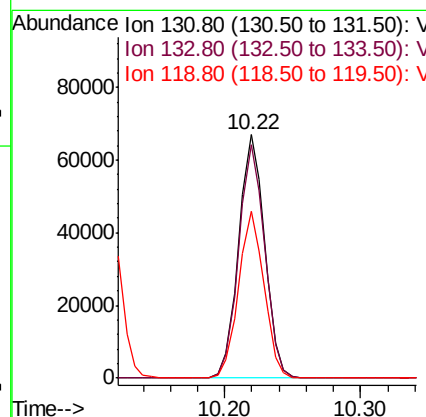
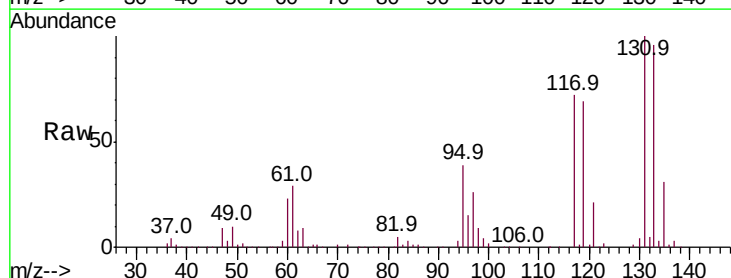
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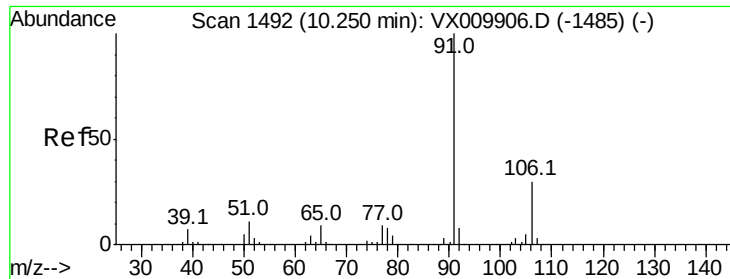
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.574 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion:131 Resp: 89133
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 67.2 33.4 100.1





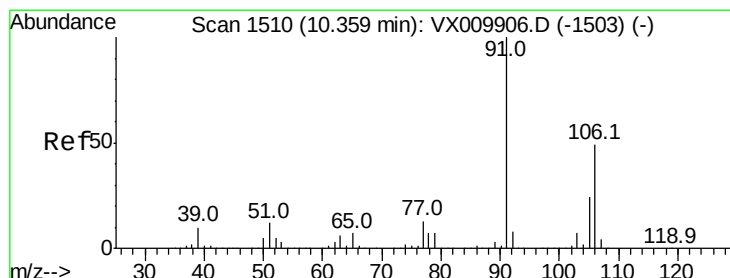
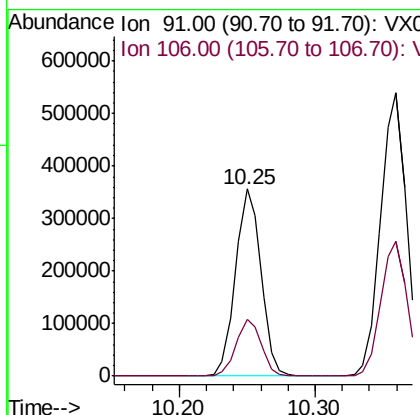
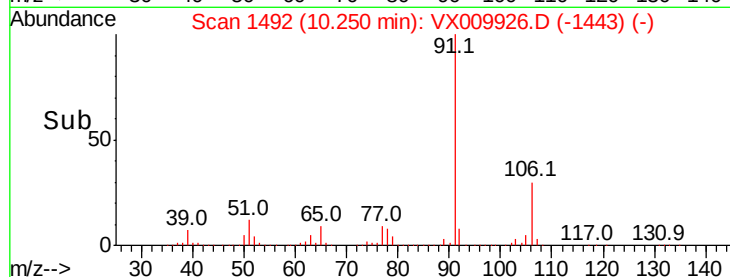
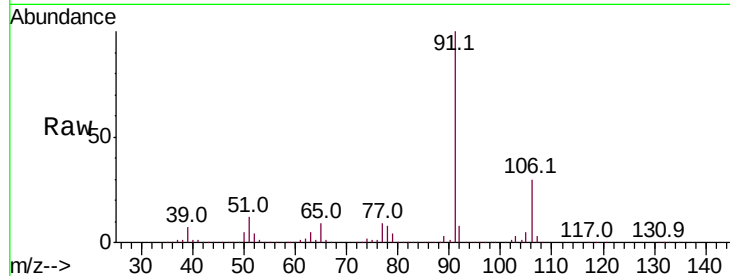
#67
Ethyl Benzene
Concen: 51.072 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 465969
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

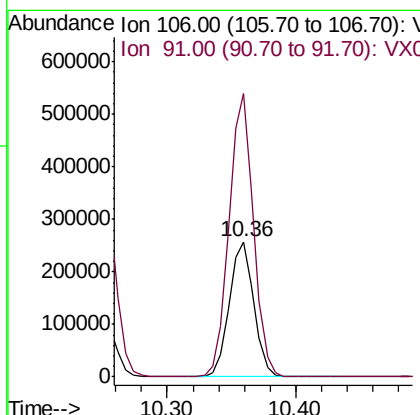
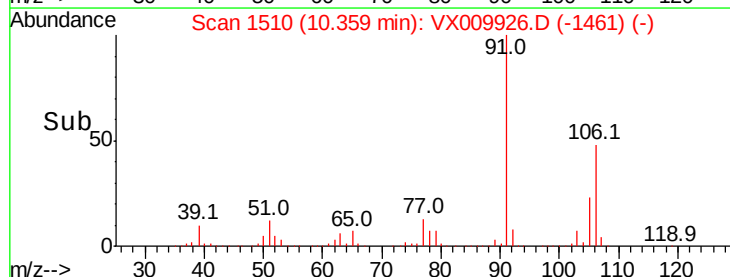
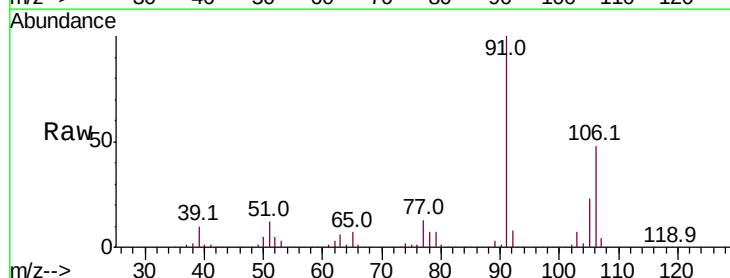
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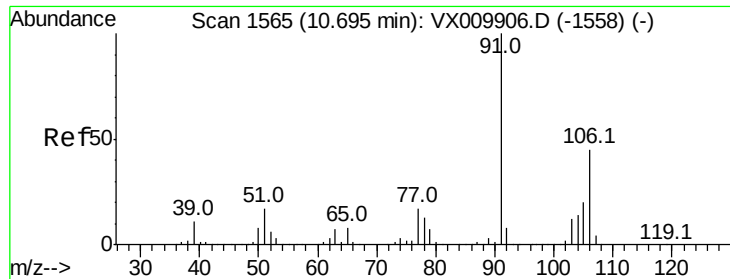
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#68
m/p-Xylenes
Concen: 101.847 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion: 106 Resp: 343287
Ion Ratio Lower Upper
106 100
91 209.0 167.3 250.9





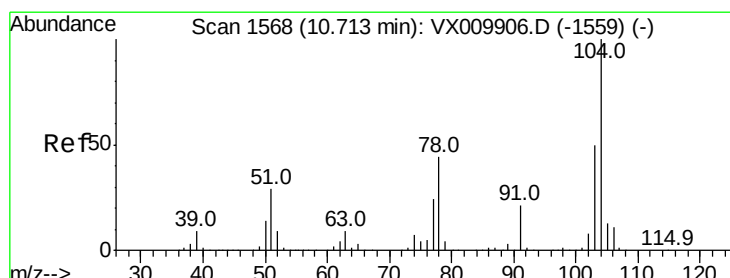
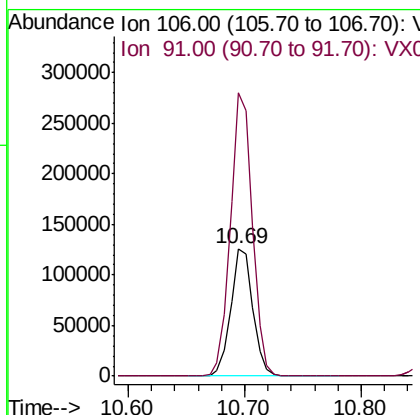
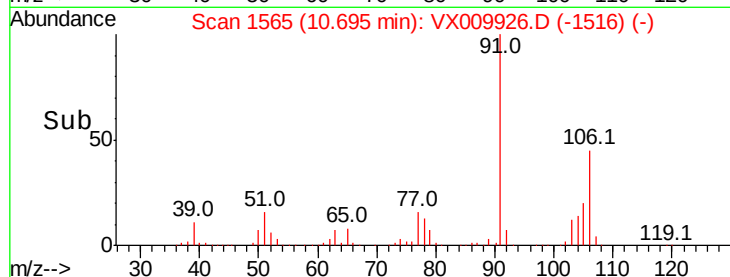
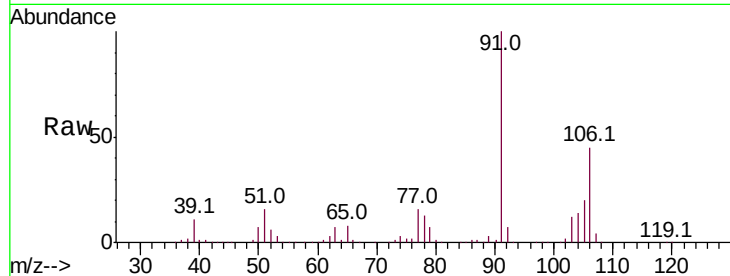
#69
o-Xylene
Concen: 51.249 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 165666
Ion Ratio Lower Upper
106 100
91 221.7 110.4 331.2

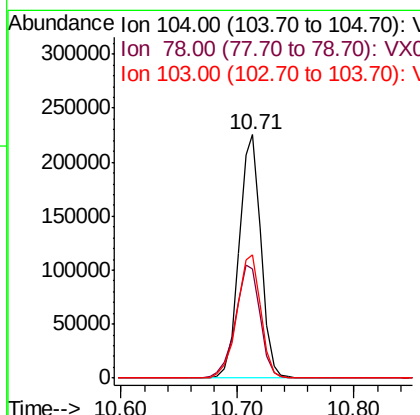
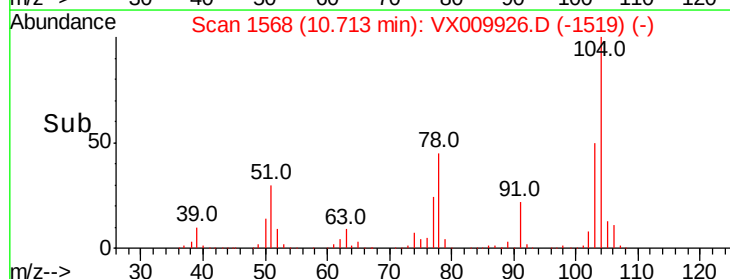
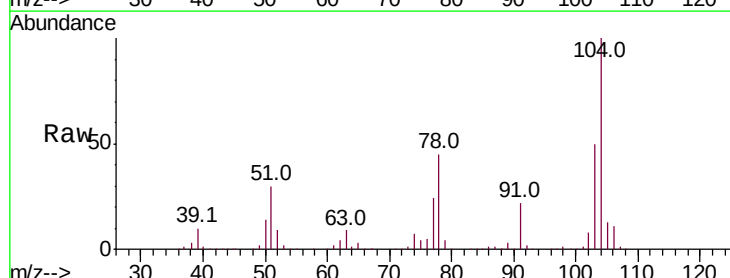
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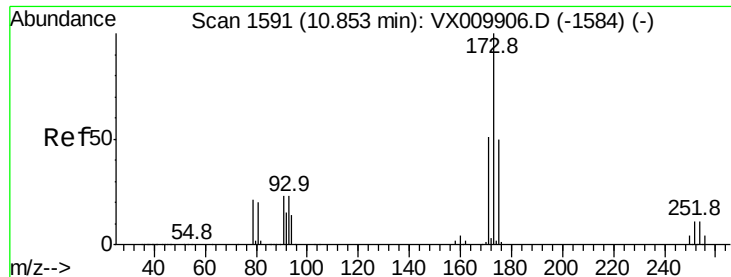
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#70
Styrene
Concen: 51.777 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion:104 Resp: 293491
Ion Ratio Lower Upper
104 100
78 52.2 42.1 63.1
103 55.4 44.1 66.1





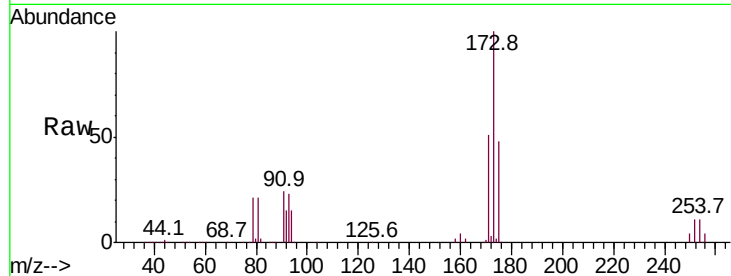
#71
Bromoform
Concen: 52.136 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

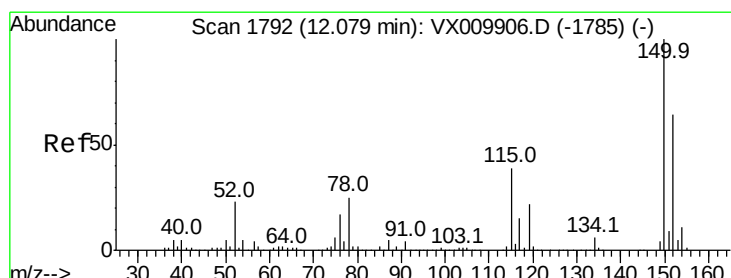
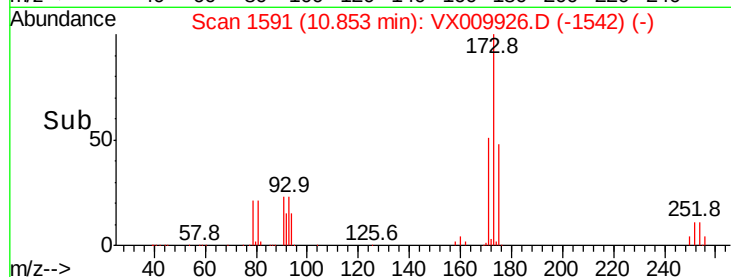
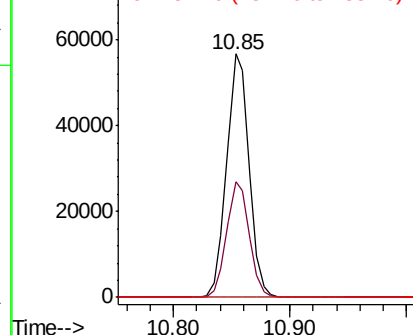
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	25.0	75.0
254	0.1	0.2	0.2#

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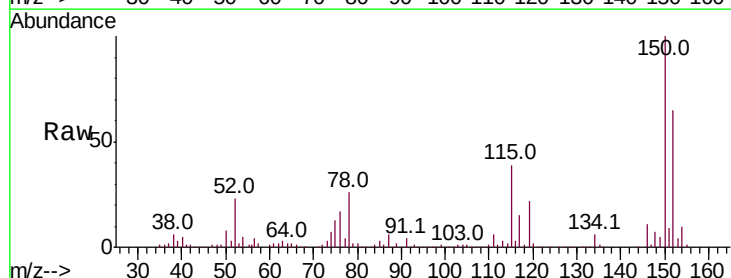


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

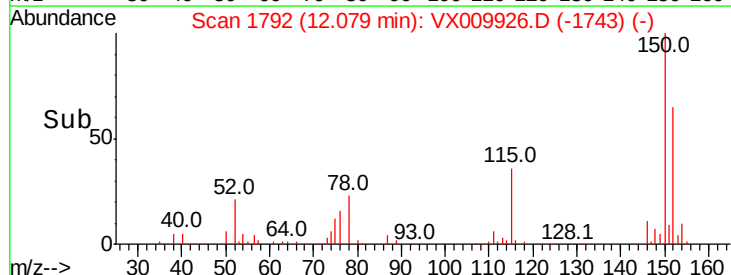
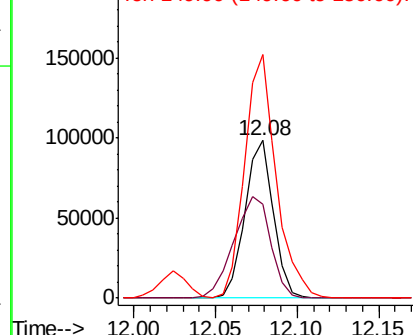


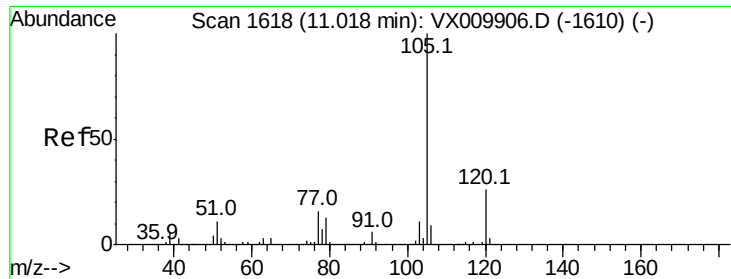
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.3	41.4	124.2
150	172.6	0.0	345.2



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





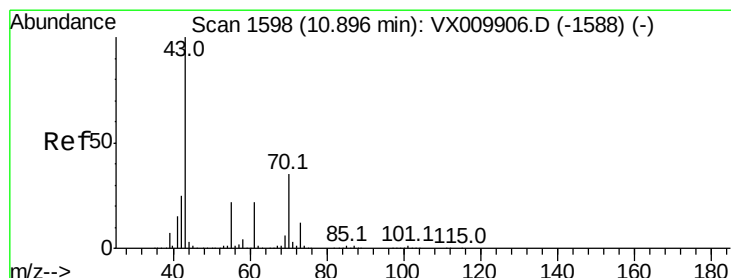
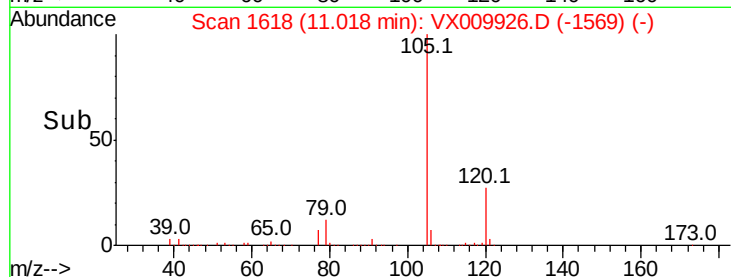
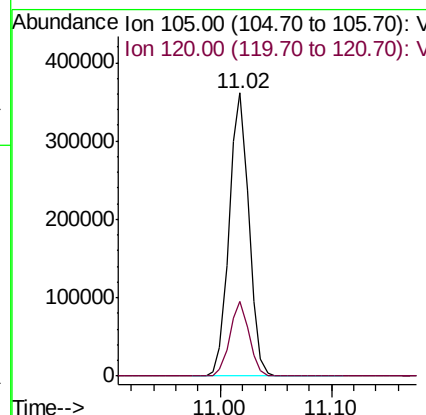
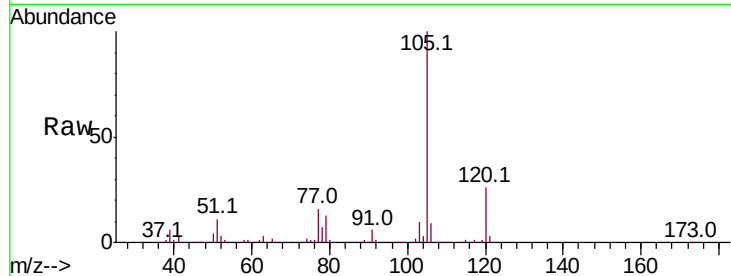
#73
Isopropylbenzene
Concen: 50.112 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

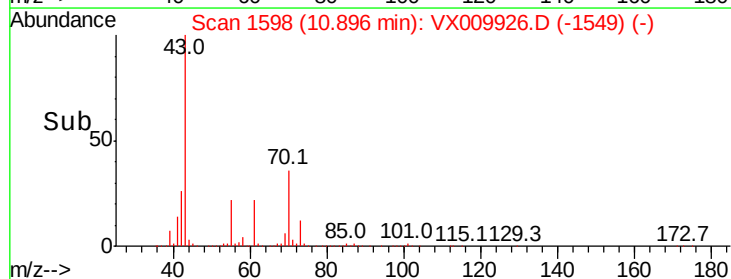
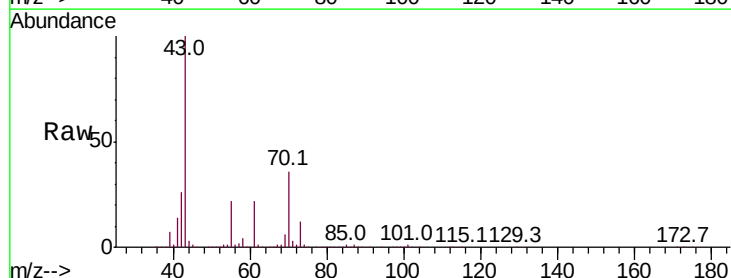
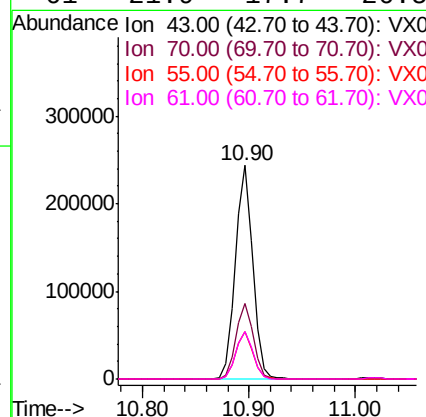
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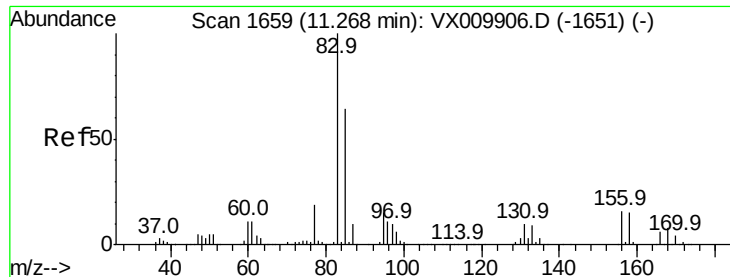
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#74
N-ethyl acetate
Concen: 53.225 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.7	28.6	43.0
55	22.1	17.8	26.8
61	21.9	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.282 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 165046

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

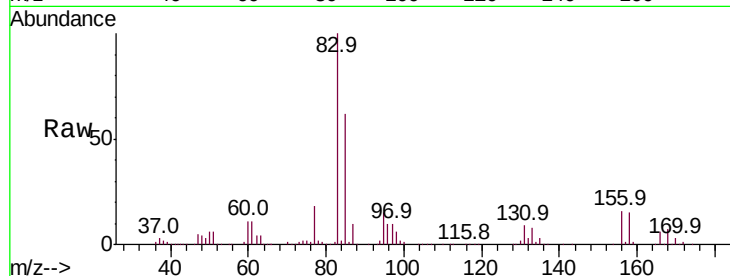
85 63.4 31.9 95.9

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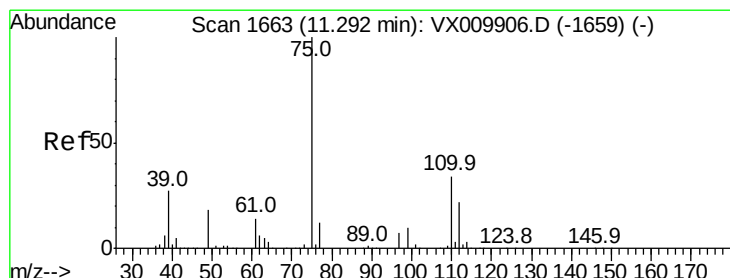
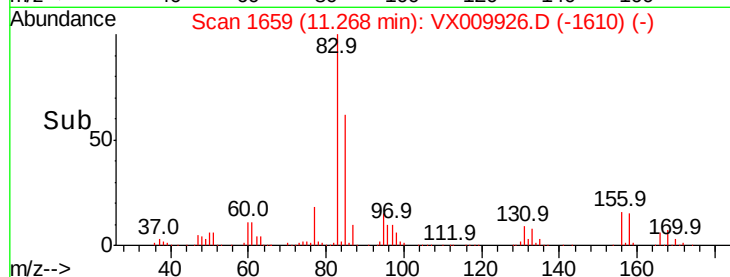
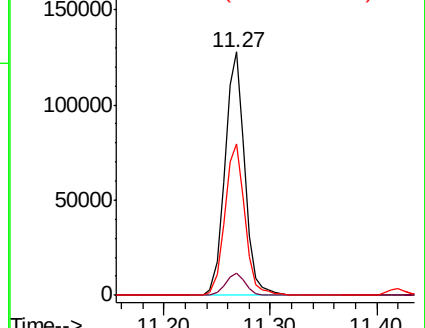
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.292 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009926.D

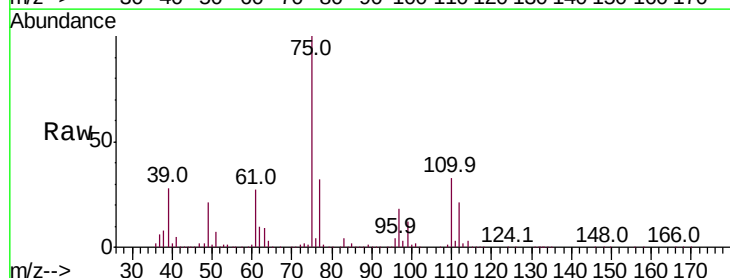
Acq: 28 May 2019 19:40

Tgt Ion: 75 Resp: 143411

Ion Ratio Lower Upper

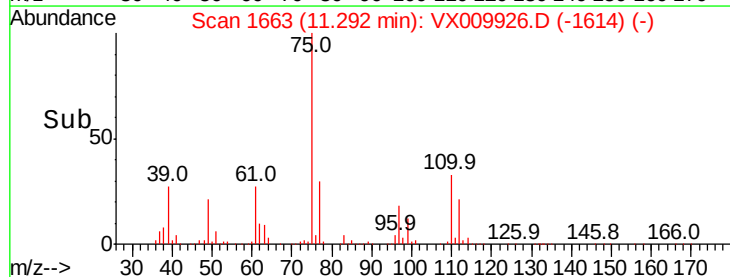
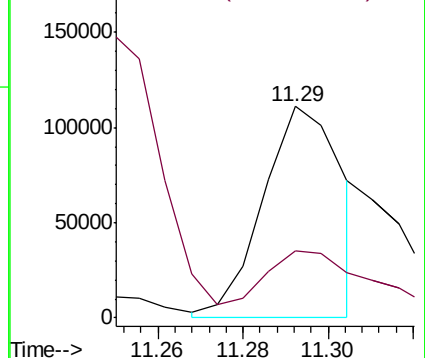
75 100

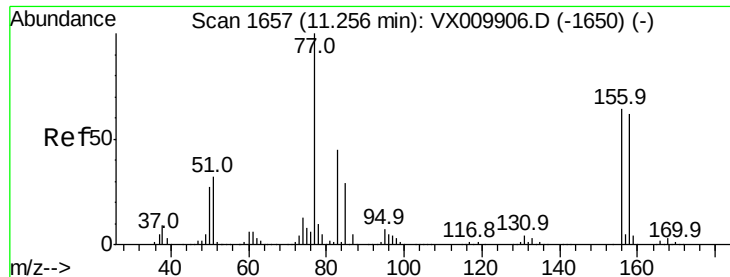
77 44.4 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.563 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 108888

Ion Ratio Lower Upper

156 100

77 172.8 86.8 260.3

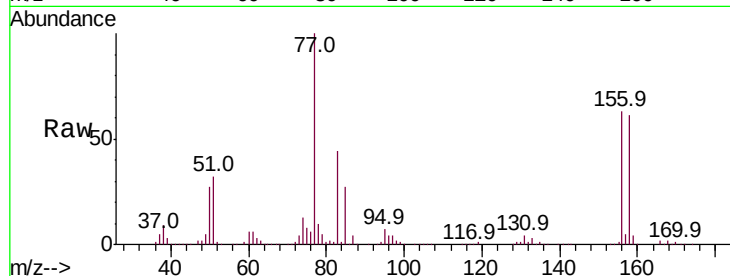
158 97.3 49.6 148.8

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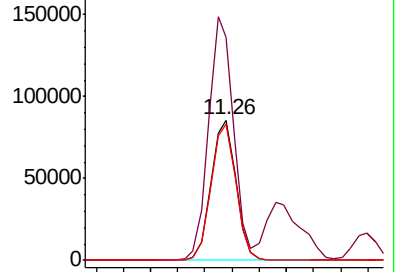
5/29/2019 9:25:26 AM



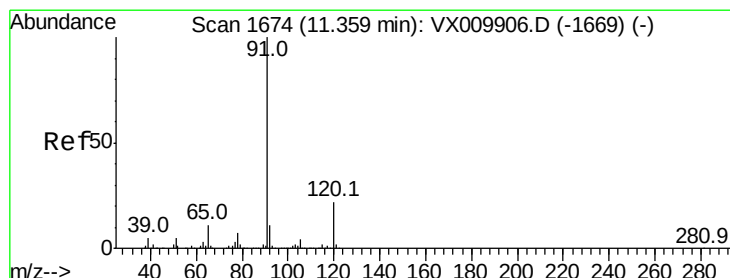
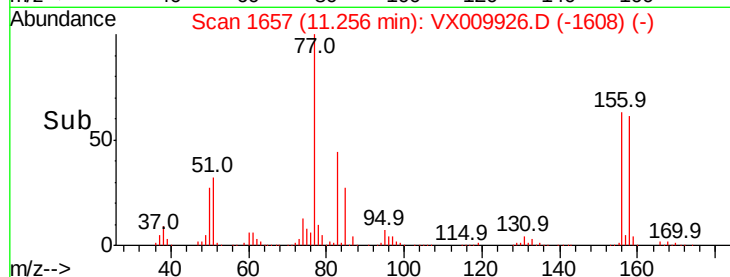
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 51.074 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009926.D

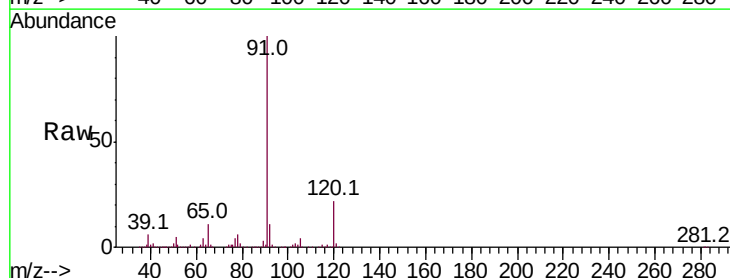
Acq: 28 May 2019 19:40

Tgt Ion: 91 Resp: 517961

Ion Ratio Lower Upper

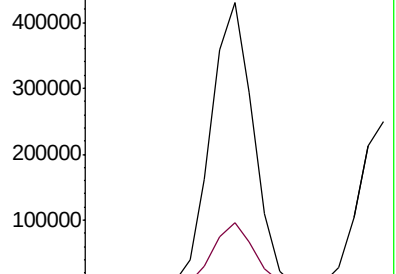
91 100

120 21.9 11.1 33.3

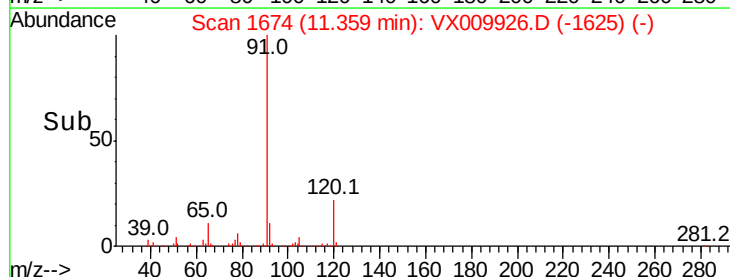


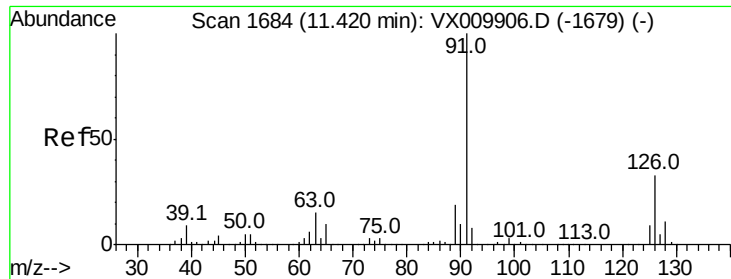
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 49.693 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 307905

Ion Ratio Lower Upper

91 100

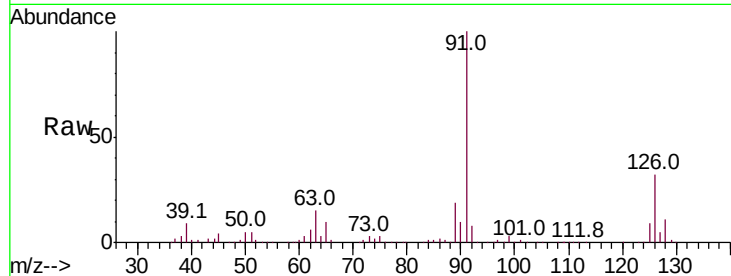
126 32.1 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX009926.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009926.D (-1679) (-)

500000

400000

300000

200000

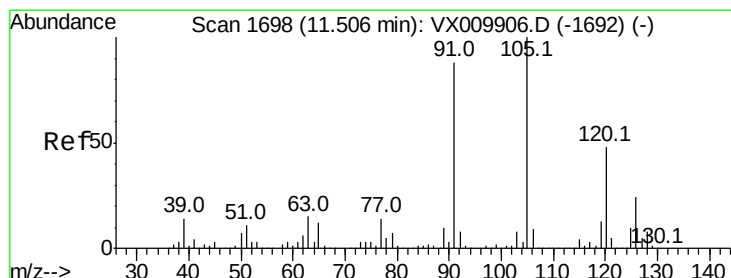
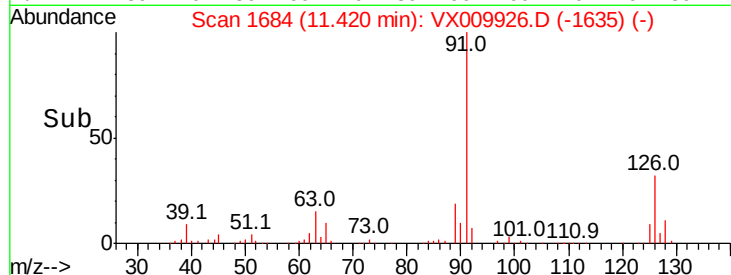
100000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.175 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009926.D

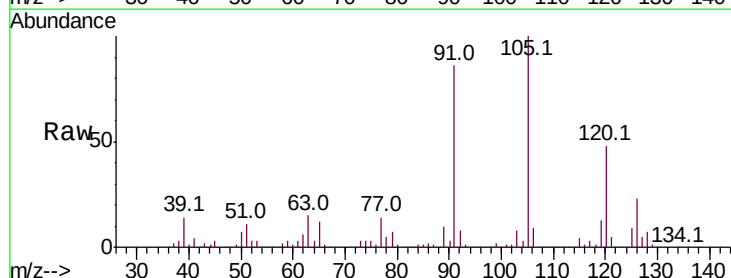
Acq: 28 May 2019 19:40

Tgt Ion:105 Resp: 379318

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009926.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009926.D (-1692) (-)

300000

200000

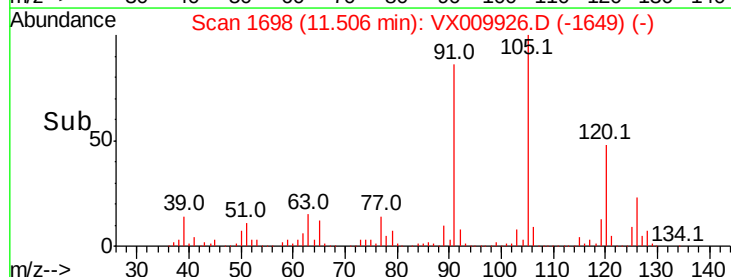
100000

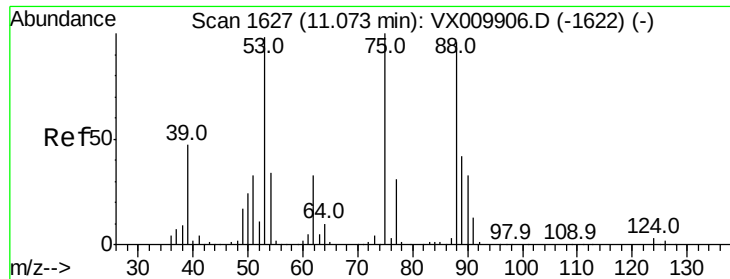
0

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.611 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 56026

Ion Ratio Lower Upper

75 100

53 102.5 79.8 119.6

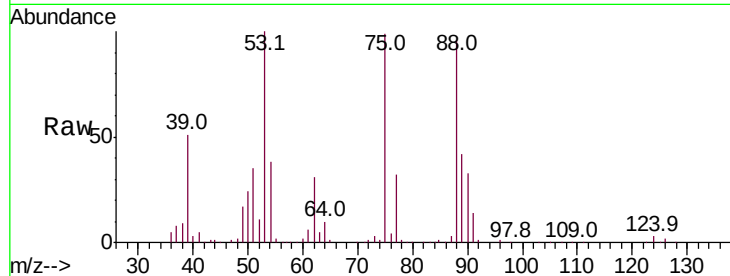
89 42.5 34.2 51.4

Manual Integrations

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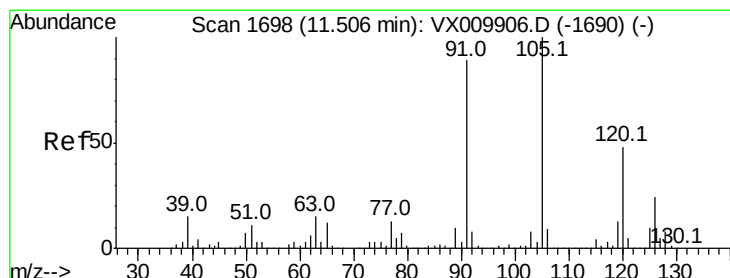
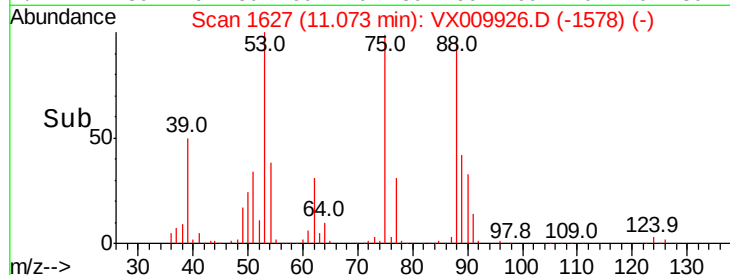
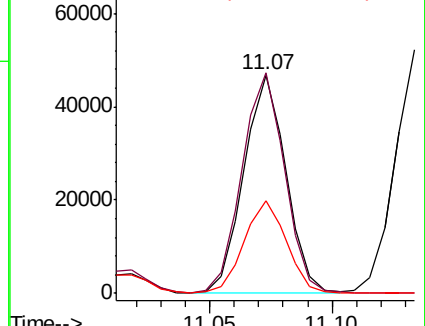
5/29/2019 9:25:26 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.917 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009926.D

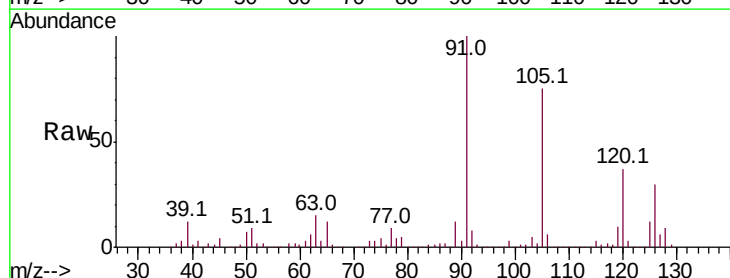
Acq: 28 May 2019 19:40

Tgt Ion: 91 Resp: 360047

Ion Ratio Lower Upper

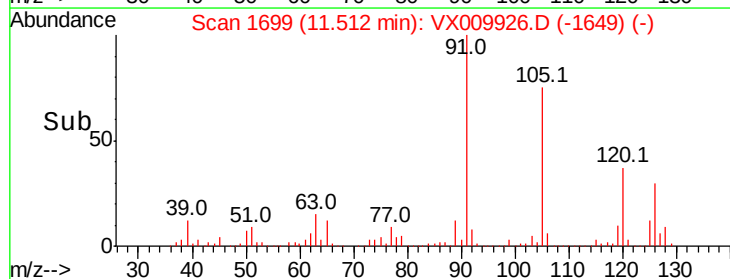
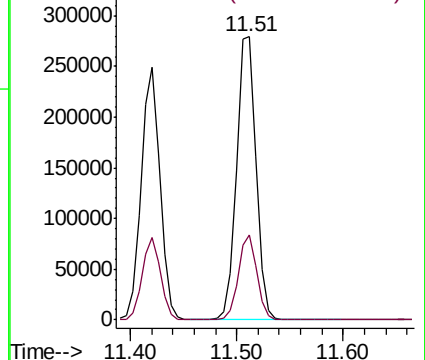
91 100

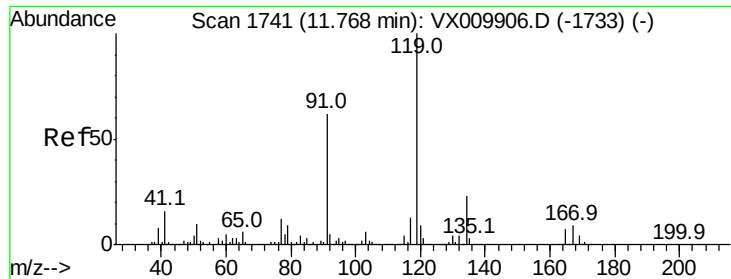
126 28.2 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





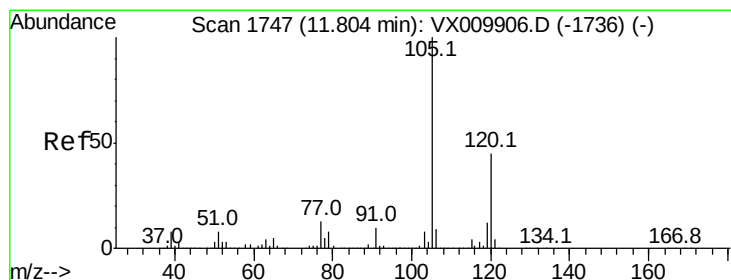
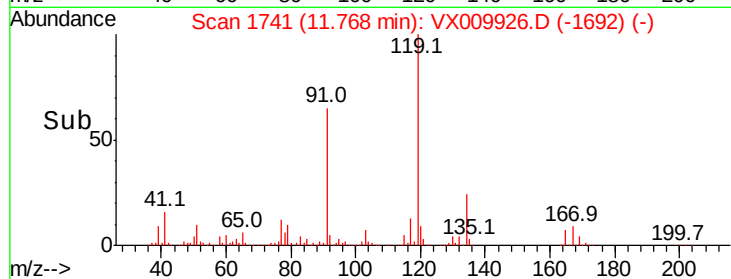
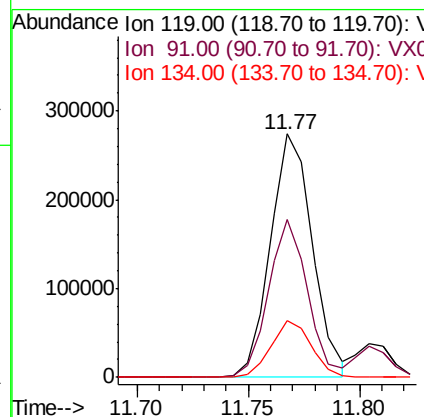
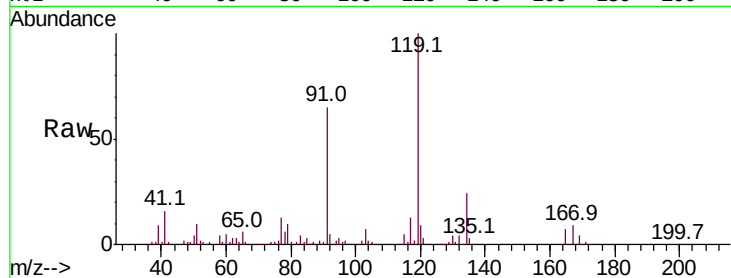
#83
 tert-Butylbenzene
 Concen: 50.679 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	359379		
91	60.1	30.0	90.0	
134	22.4	11.2	33.5	

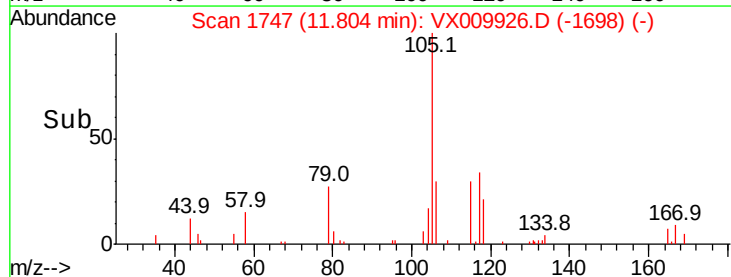
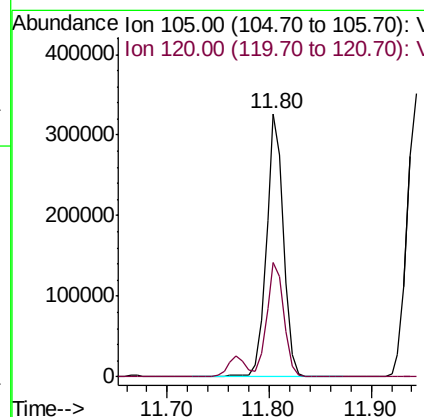
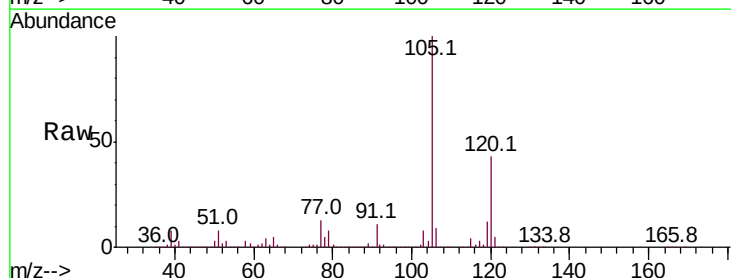
Manual Integrations
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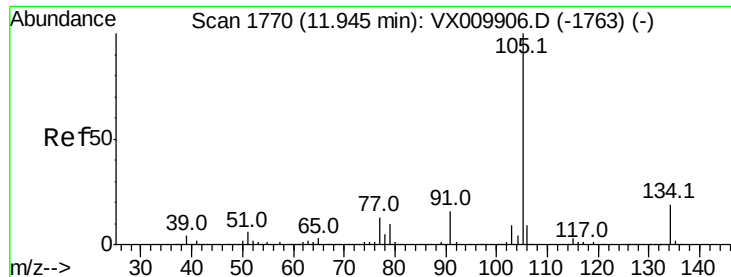
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 5/29/2019 9:25:26 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.457 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	379814		
120	43.7	22.1	66.1	





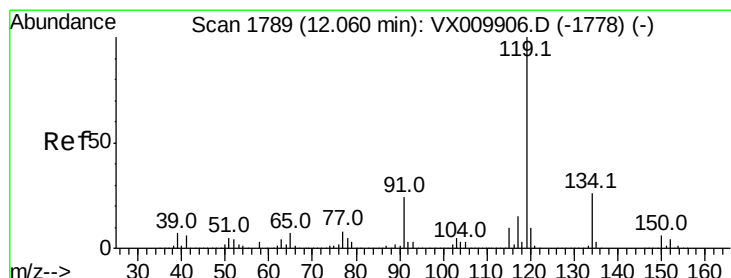
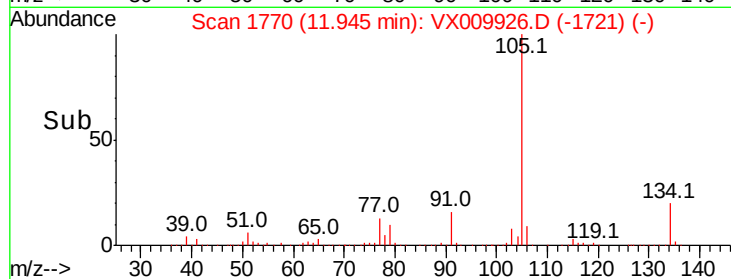
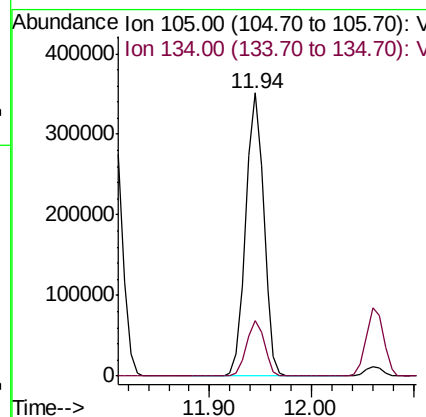
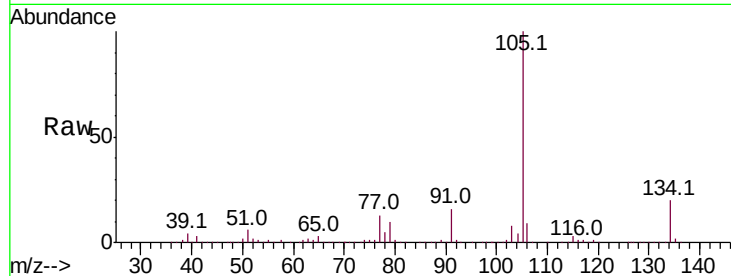
#85
 sec-Butylbenzene
 Concen: 50.597 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	28.9

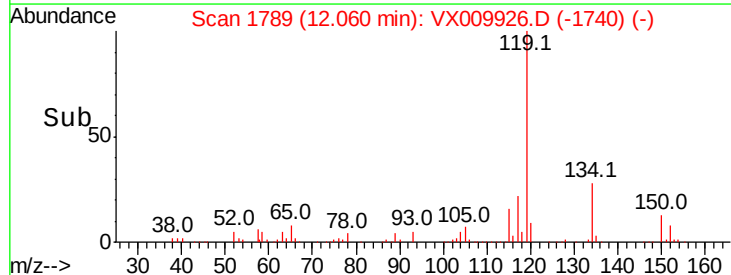
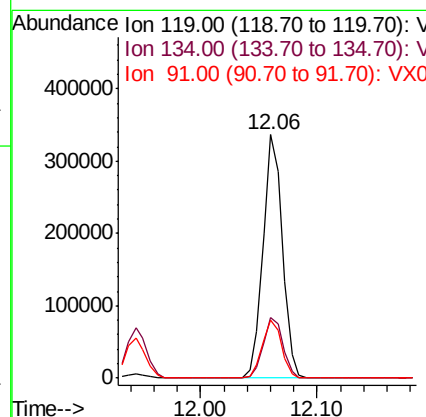
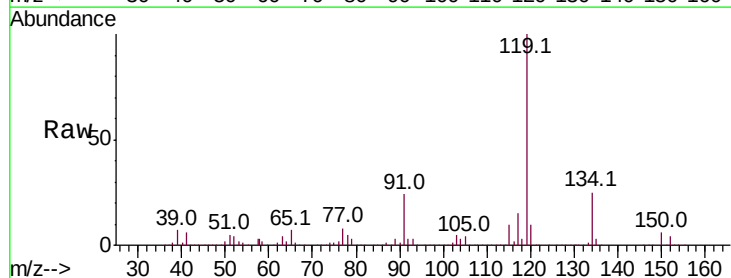
Manual Integrations
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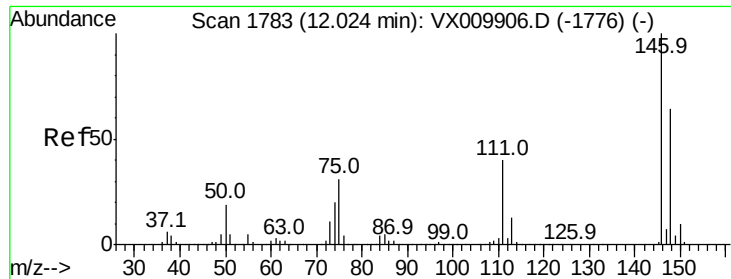
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 5/29/2019 9:25:26 AM



#86
 p-Isopropyltoluene
 Concen: 51.800 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	23.8	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 48.760 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

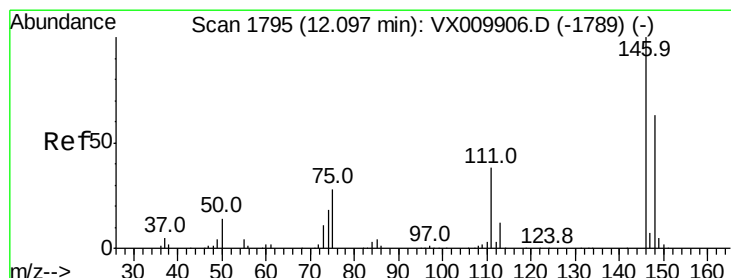
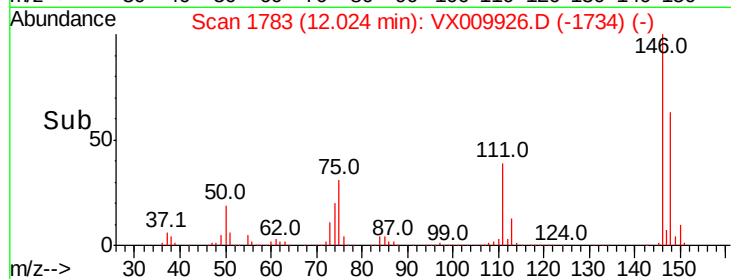
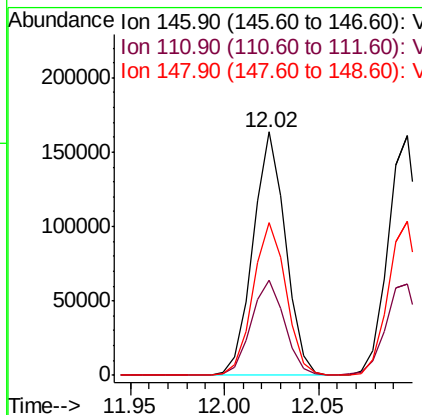
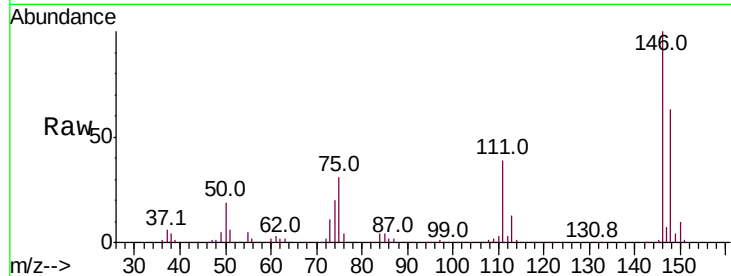
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	194643
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.1	60.2
148	63.8	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.703 ug/l

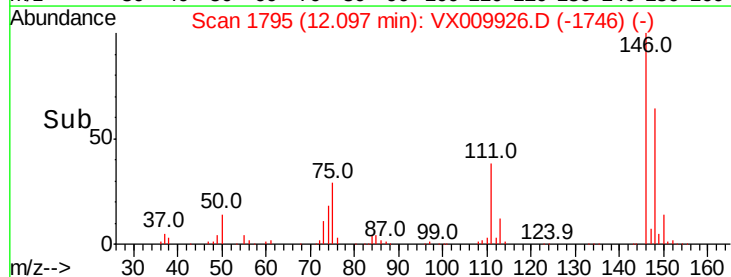
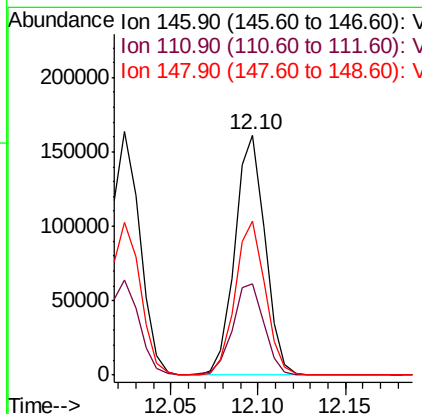
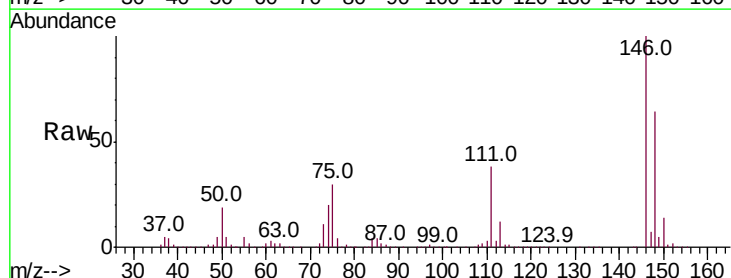
RT: 12.10 min Scan# 1795

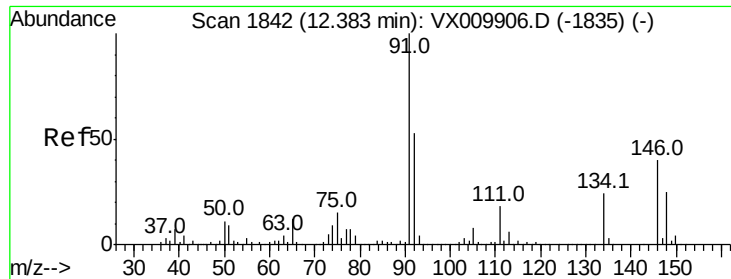
Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion:	146	Resp:	194200
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	59.9
148	63.8	32.3	96.9





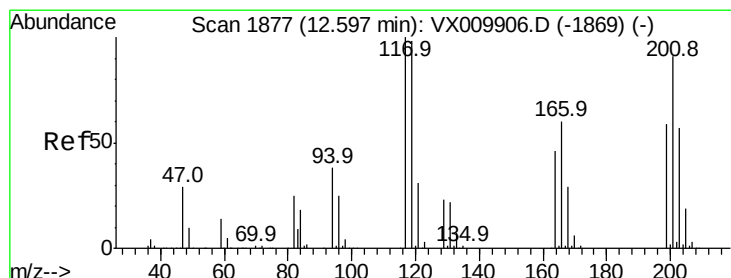
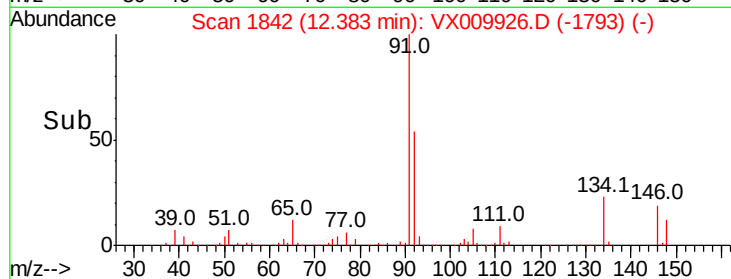
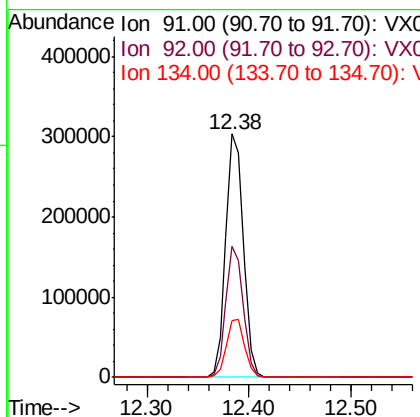
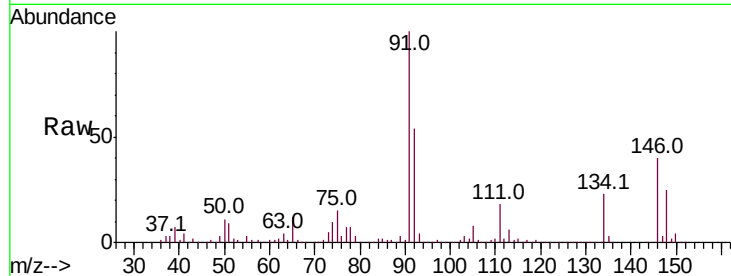
#89
n-Butylbenzene
Concen: 51.123 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.8
134	24.3	12.3	36.8

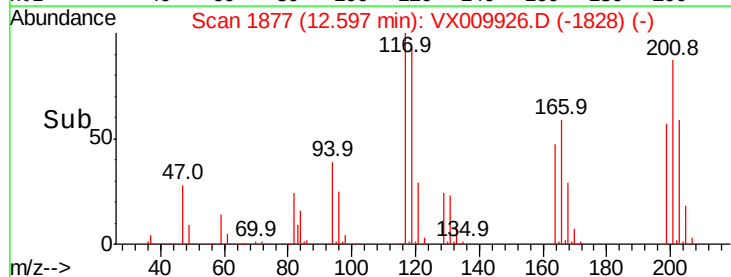
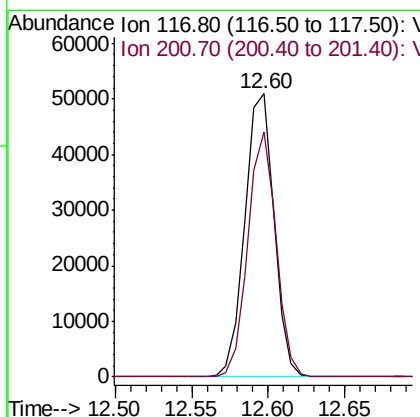
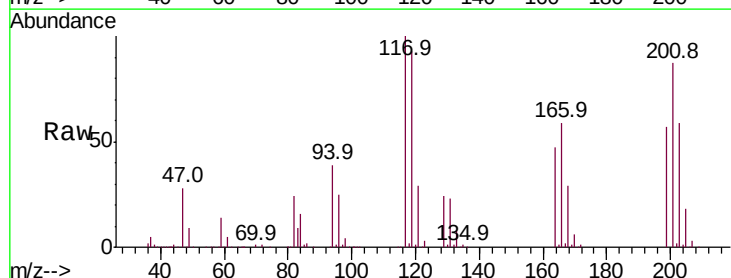
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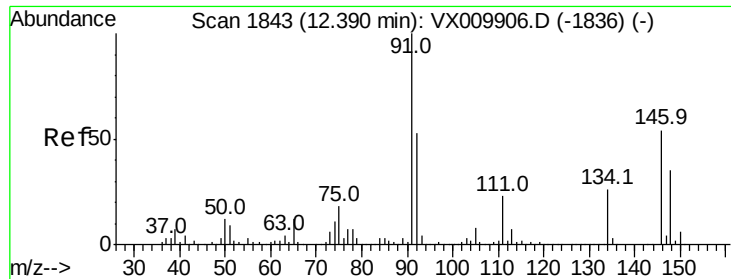
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#90
Hexachloroethane
Concen: 51.858 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009926.D
Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	43.6	130.9





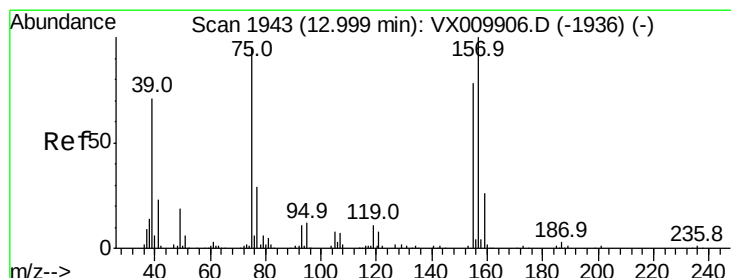
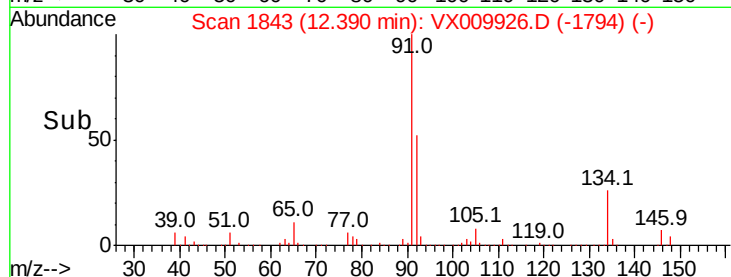
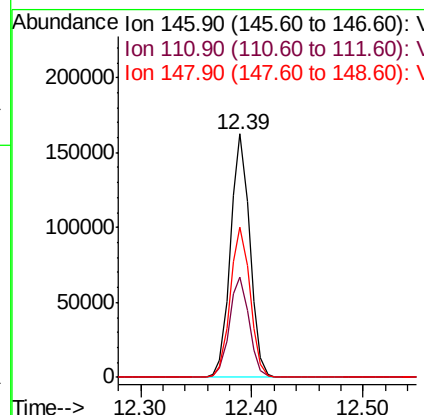
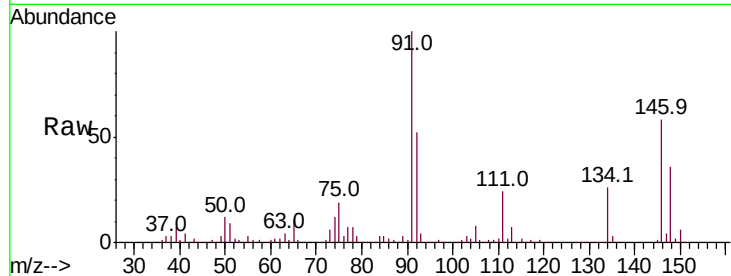
#91
 1,2-Dichlorobenzene
 Concen: 49.537 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	194961		
111	41.7	21.1	63.1	
148	63.2	32.3	96.8	

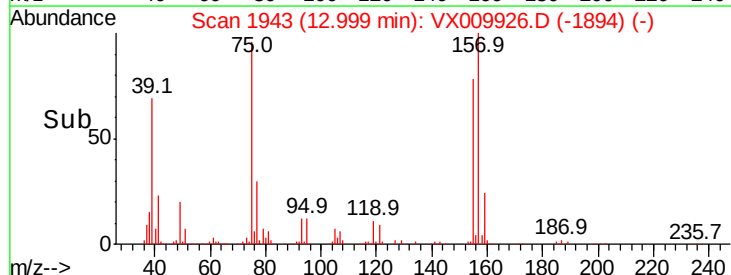
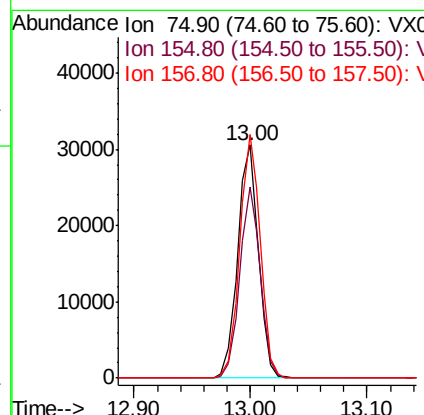
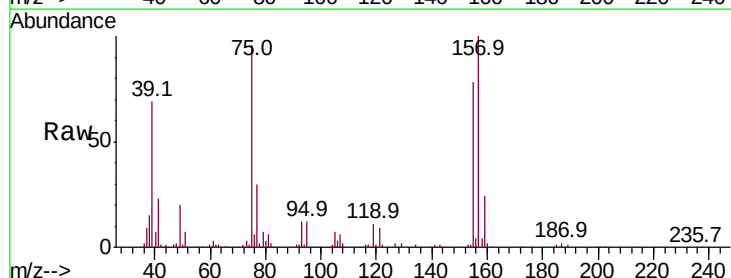
Manual Integrations
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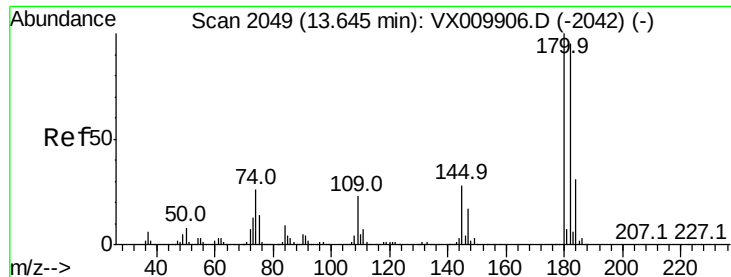
MMDadoda
 5/29/2019 9:25:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.278 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38073		
155	80.5	39.3	117.8	
157	102.8	50.6	151.8	





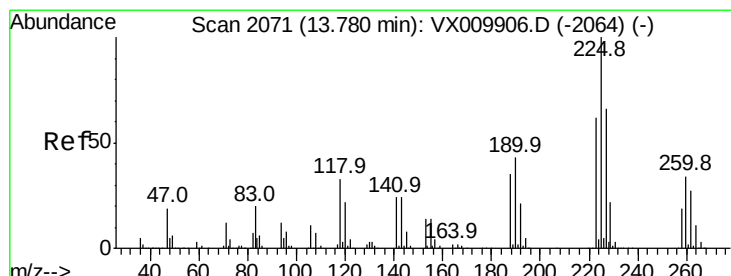
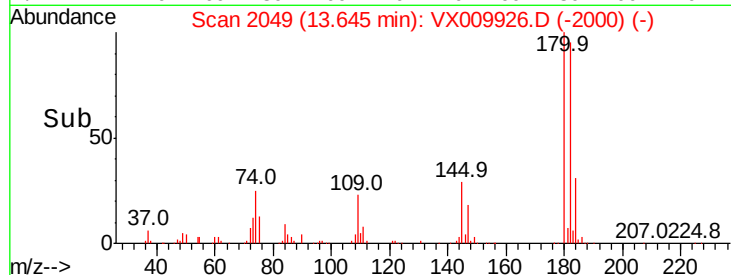
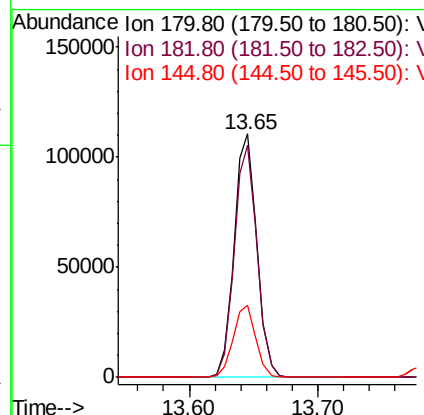
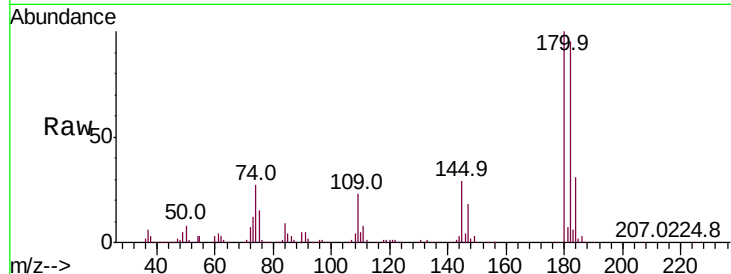
#93
 1,2,4-Trichlorobenzene
 Concen: 48.622 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136749		
182	94.9	47.4	142.2	
145	29.4	14.5	43.5	

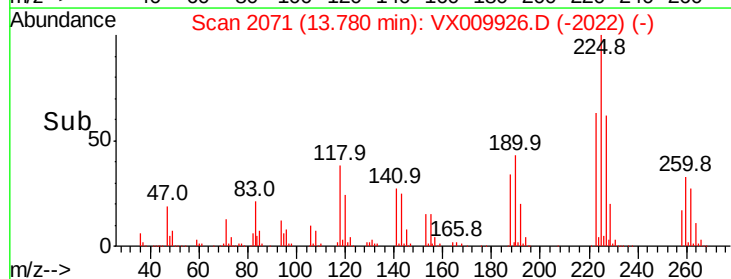
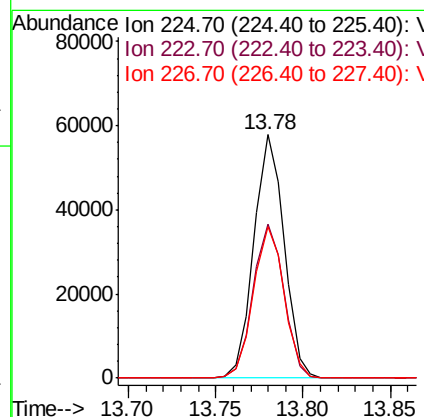
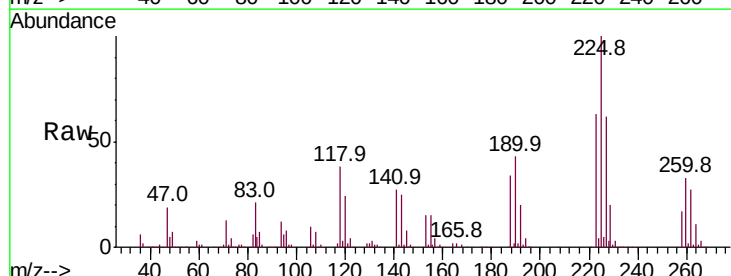
Manual Integrations
 APPROVED

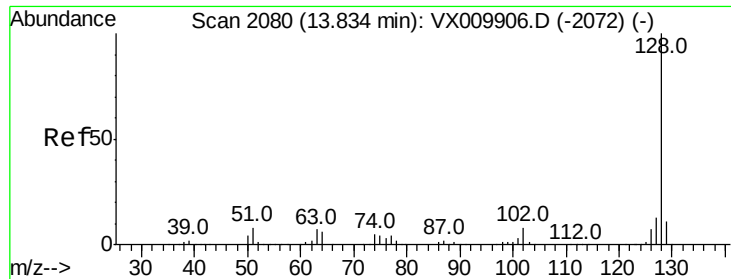
MMDadoda
 5/29/2019 9:25:26 AM



#94
 Hexachlorobutadiene
 Concen: 49.314 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009926.D
 Acq: 28 May 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69567		
223	64.2	31.3	93.8	
227	63.1	32.3	96.8	





#95

Naphthalene

Concen: 50.494 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Instrument :

MSVOA_X

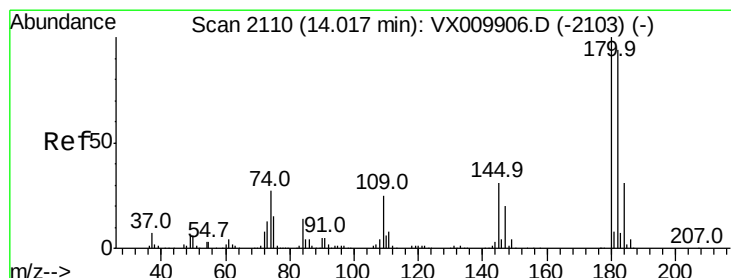
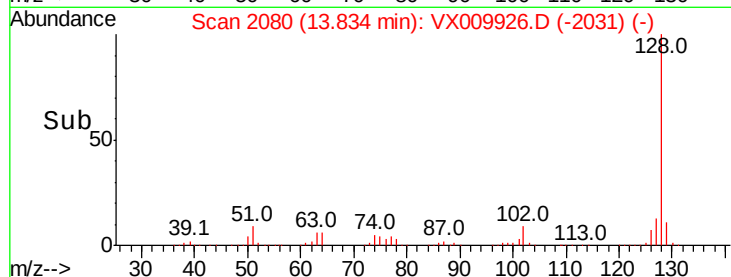
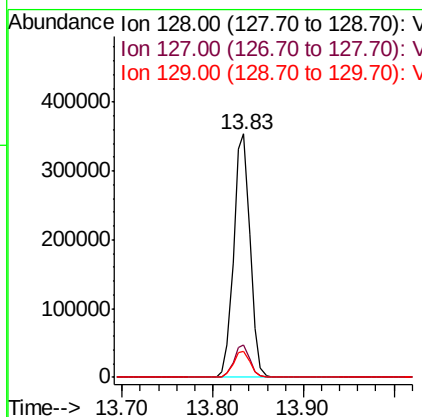
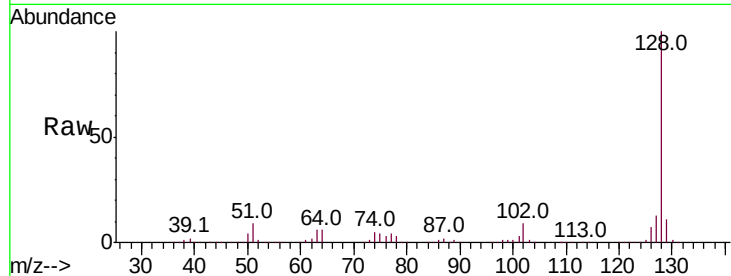
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	441943
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:25:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.687 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009926.D

Acq: 28 May 2019 19:40

Tgt Ion:	180	Resp:	137066
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	142.0
145	31.1	15.6	46.7

