

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009740.D
 Acq On : 20 May 2019 20:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 9:13:57 AM

Quant Time: May 21 08:46:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	143770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	231352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	93720	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.50	113	69574	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	8.71	98	268894	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	11.13	95	103857	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54458	41.105	ug/l	99
3) Chloromethane	1.32	50	84661	46.806	ug/l	98
4) Vinyl Chloride	1.41	62	82872	46.985	ug/l	100
5) Bromomethane	1.64	94	47139	44.528	ug/l	98
6) Chloroethane	1.71	64	58540	51.695	ug/l	100
7) Trichlorofluoromethane	1.92	101	106237	49.551	ug/l	96
8) Diethyl Ether	2.19	74	50784	50.006	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65806	48.877	ug/l	99
10) Methyl Iodide	2.51	142	69117	44.718	ug/l	98
11) Tert butyl alcohol	3.06	59	123055	270.867	ug/l	100
12) 1,1-Dichloroethene	2.37	96	64629	47.910	ug/l	93
13) Acrolein	2.29	56	100221	243.592	ug/l	99
14) Allyl chloride	2.73	41	163296	49.672	ug/l	99
15) Acrylonitrile	3.14	53	296052	266.521	ug/l	99
16) Acetone	2.45	43	259258	246.009	ug/l	99
17) Carbon Disulfide	2.57	76	163800	43.249	ug/l	99
18) Methyl Acetate	2.78	43	135144	53.922	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	271996	51.923	ug/l	99
20) Methylene Chloride	2.85	84	82988	48.635	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	70859	48.435	ug/l	99
22) Diisopropyl ether	3.85	45	333693	52.781	ug/l	95
23) Vinyl Acetate	3.82	43	1478256	273.056	ug/l	99
24) 1,1-Dichloroethane	3.70	63	157613	50.536	ug/l	100
25) 2-Butanone	4.68	43	444656	271.519	ug/l	97
26) 2,2-Dichloropropane	4.59	77	104954	45.211	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	86268	49.403	ug/l	99
28) Bromochloromethane	5.02	49	59001	46.821	ug/l	98
29) Tetrahydrofuran	5.13	42	290572	275.730	ug/l	98
30) Chloroform	5.21	83	146868	52.067	ug/l	97
31) Cyclohexane	5.58	56	140283	48.346	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	118968	50.664	ug/l	99
36) 1,1-Dichloropropene	5.80	75	105643	49.137	ug/l	100
37) Ethyl Acetate	4.84	43	161466	53.902	ug/l	99
38) Carbon Tetrachloride	5.79	117	98343	50.345	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125451	47.512	ug/l	97
40) Benzene	6.14	78	335888	50.480	ug/l	99
41) Methacrylonitrile	5.04	41	94643	53.076	ug/l	99
42) 1,2-Dichloroethane	6.20	62	125770	52.693	ug/l	99
43) Isopropyl Acetate	6.45	43	261534	54.582	ug/l	99
44) Trichloroethene	7.21	130	79499	49.422	ug/l	97
45) 1,2-Dichloropropane	7.51	63	98176	52.108	ug/l	100
46) Dibromomethane	7.66	93	55495	50.722	ug/l	99
47) Bromodichloromethane	7.90	83	115180	52.775	ug/l	99
48) Methyl methacrylate	7.77	41	131911	55.490	ug/l	98
49) 1,4-Dioxane	7.74	88	48746	1011.127	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	896809	286.349	ug/l	99
52) Toluene	8.79	92	204834	50.643	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	129946	52.737	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	141466	51.870	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	87720	53.160	ug/l	97
56) Ethyl methacrylate	9.18	69	158163	53.696	ug/l	97
57) 1,3-Dichloropropane	9.37	76	152059	52.366	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	342093	218.925	ug/l	100
59) 2-Hexanone	9.49	43	689617	280.363	ug/l	98
60) Dibromochloromethane	9.58	129	86960	53.957	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86961	52.207	ug/l	99
64) Tetrachloroethene	9.34	164	72292	49.296	ug/l	98
65) Chlorobenzene	10.14	112	217918	50.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	80217	51.736	ug/l	100
67) Ethyl Benzene	10.25	91	398978	50.691	ug/l	99
68) m/p-Xylenes	10.36	106	290129	100.871	ug/l	97
69) o-Xylene	10.69	106	143184	50.455	ug/l	98
70) Styrene	10.71	104	256031	51.908	ug/l	99
71) Bromoform	10.85	173	67697	53.727	ug/l #	99
73) Isopropylbenzene	11.02	105	384732	48.779	ug/l	100
74) N-amyl acetate	10.90	43	239234	52.026	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	149121	50.717	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	129531m	51.484	ug/l	
77) Bromobenzene	11.26	156	97068	49.584	ug/l	100
78) n-propylbenzene	11.36	91	445746	49.485	ug/l	100
79) 2-Chlorotoluene	11.42	91	267561	48.146	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	328018	49.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48139	48.956	ug/l	96
82) 4-Chlorotoluene	11.51	91	308799	49.186	ug/l	100
83) tert-Butylbenzene	11.77	119	317209	49.100	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	330233	49.540	ug/l	100
85) sec-Butylbenzene	11.94	105	378542	49.422	ug/l	100
86) p-Isopropyltoluene	12.06	119	342782	49.782	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	170911	48.973	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	171710	48.803	ug/l	99
89) n-Butylbenzene	12.38	91	311318	50.022	ug/l	100
90) Hexachloroethane	12.60	117	58609	49.961	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	173657	48.854	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33539	50.848	ug/l	99

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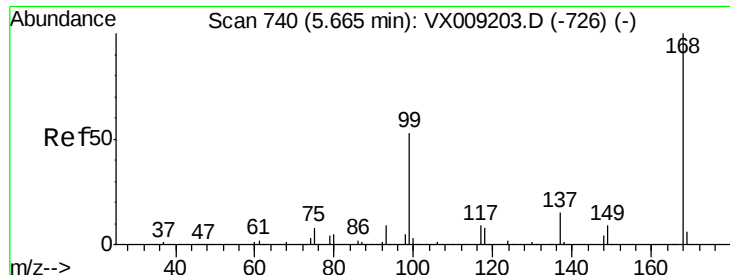
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121688	50.062	ug/l	99
94) Hexachlorobutadiene	13.78	225	62046	49.985	ug/l	99
95) Naphthalene	13.83	128	400286	50.616	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124891	50.687	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 143770

Ion Ratio Lower Upper

168 100

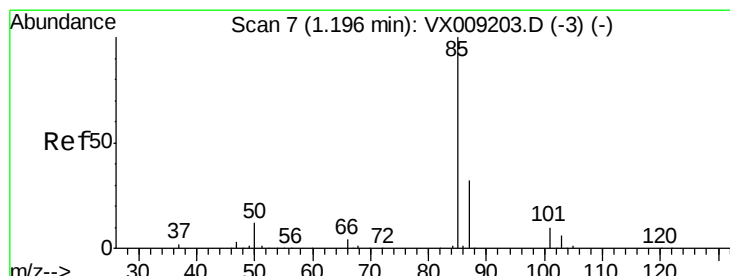
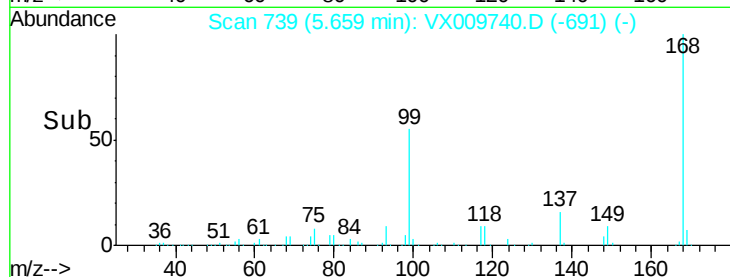
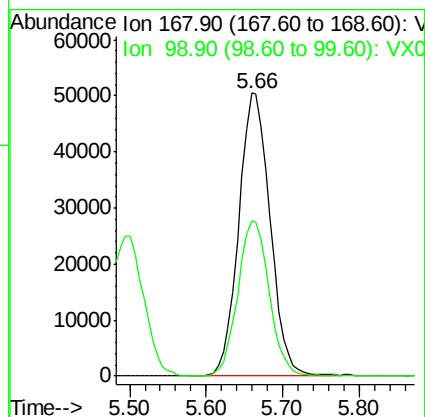
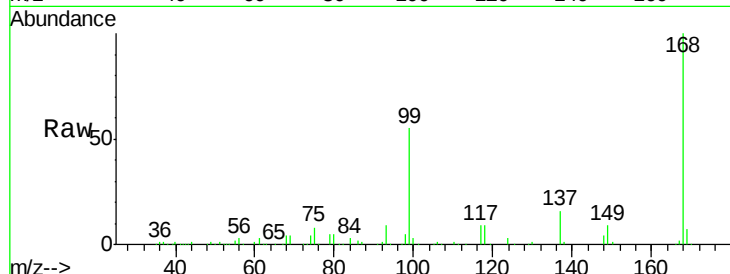
99 54.9 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 41.105 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009740.D

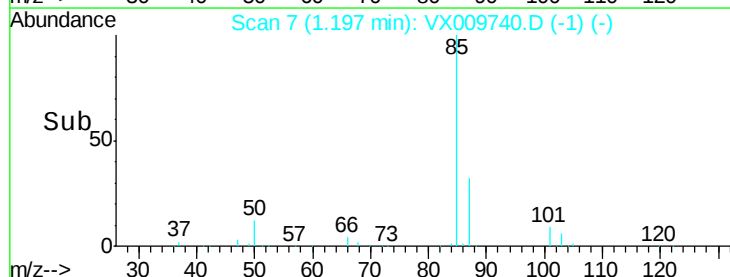
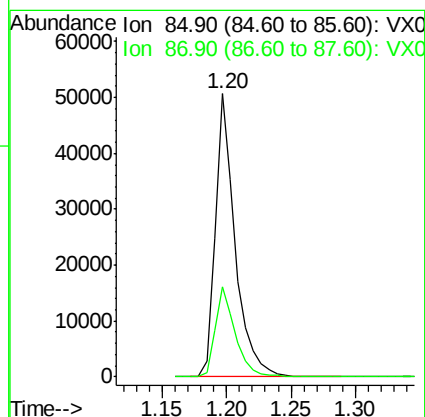
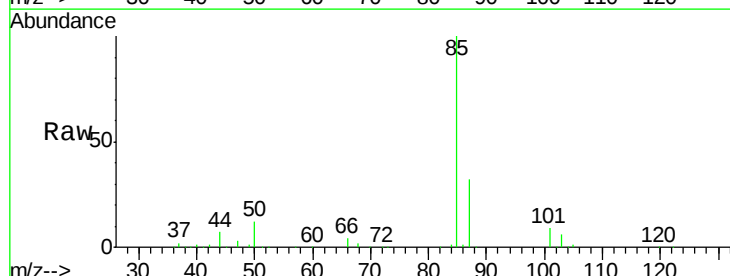
Acq: 20 May 2019 20:44

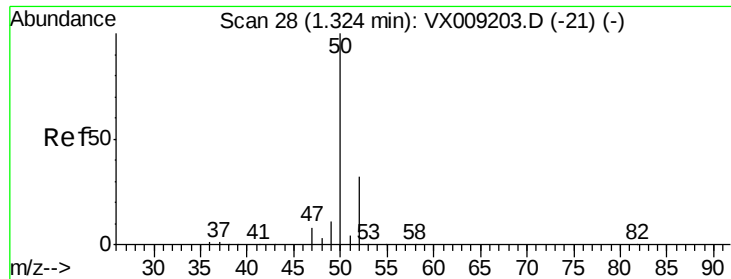
Tgt Ion: 85 Resp: 54458

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3





#3

Chloromethane

Concen: 46.806 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 84661

Ion Ratio Lower Upper

50 100

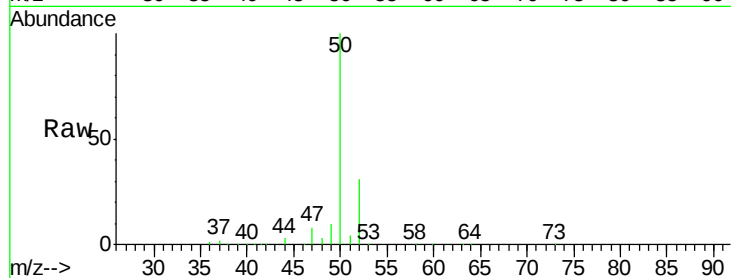
52 31.4 25.9 38.9

Manual Integrations

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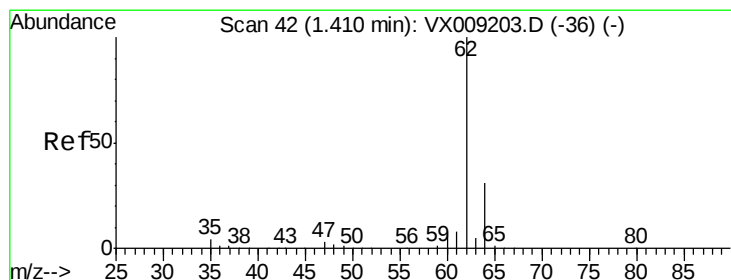
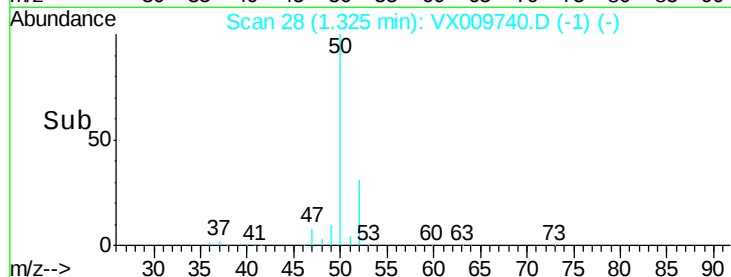
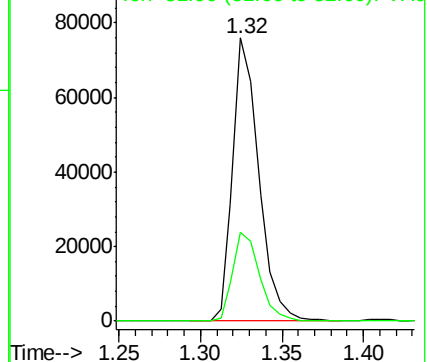
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.985 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009740.D

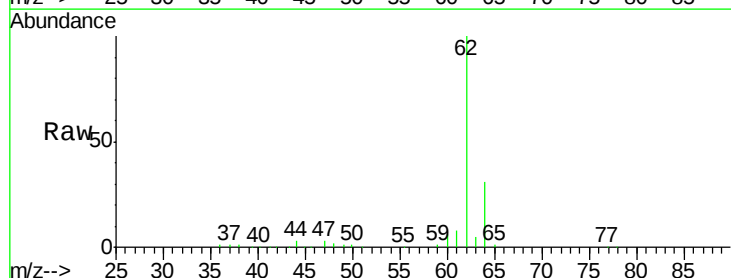
Acq: 20 May 2019 20:44

Tgt Ion: 62 Resp: 82872

Ion Ratio Lower Upper

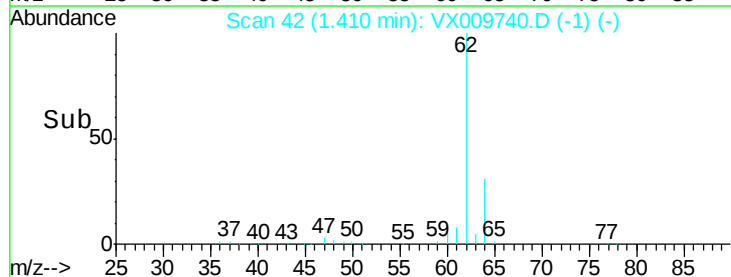
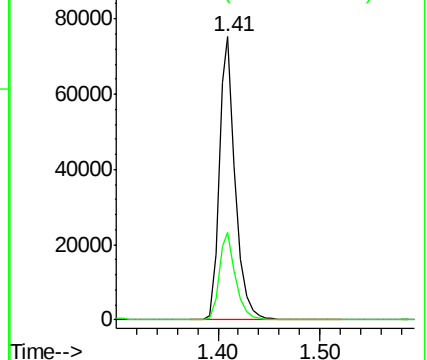
62 100

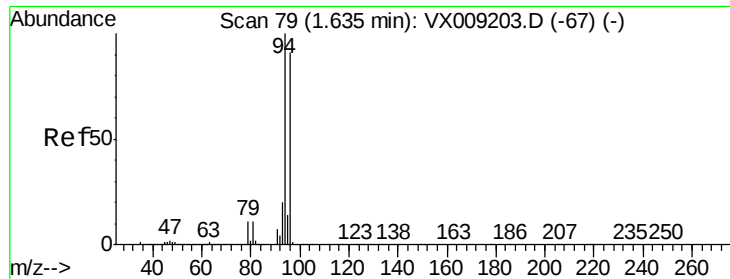
64 31.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.528 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 47139

Ion Ratio Lower Upper

94 100

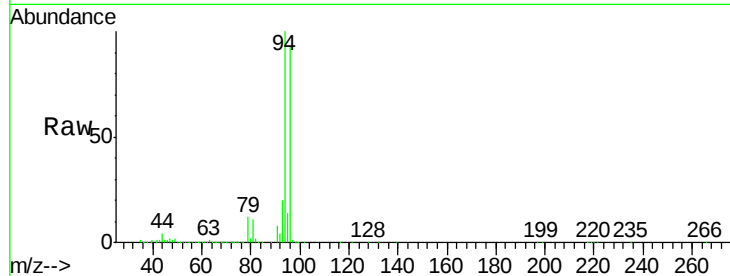
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Manual Integrations

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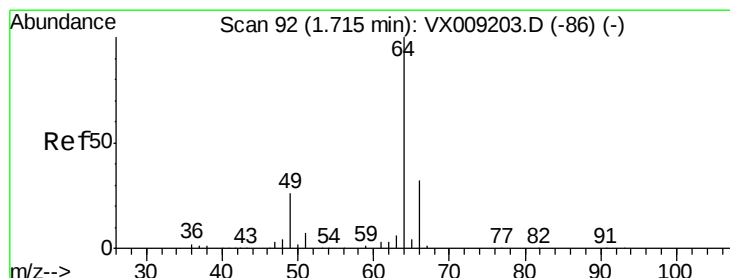
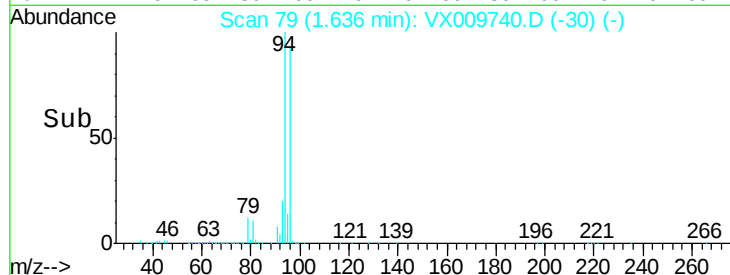
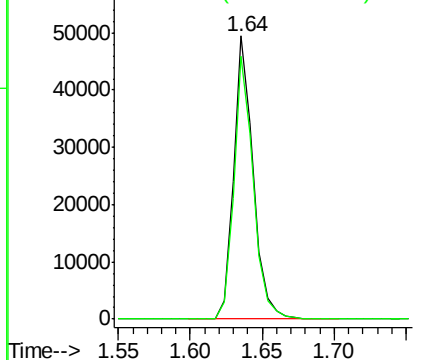
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.695 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009740.D

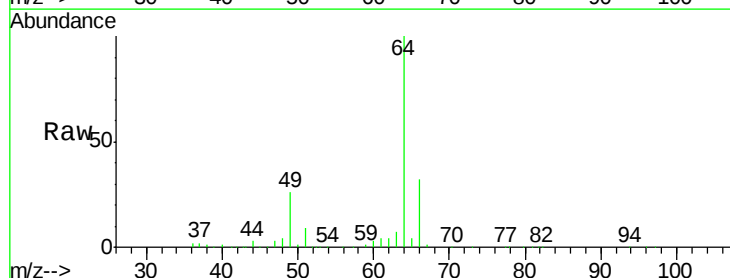
Acq: 20 May 2019 20:44

Tgt Ion: 64 Resp: 58540

Ion Ratio Lower Upper

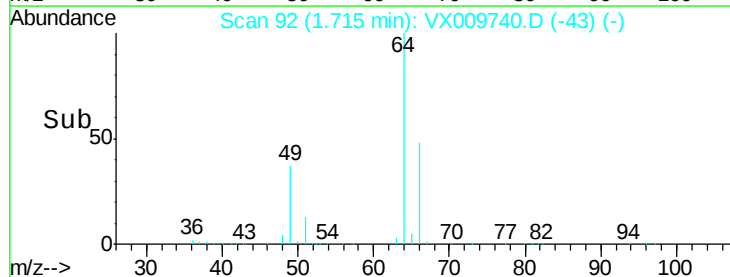
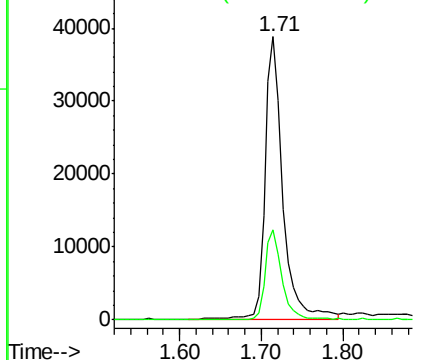
64 100

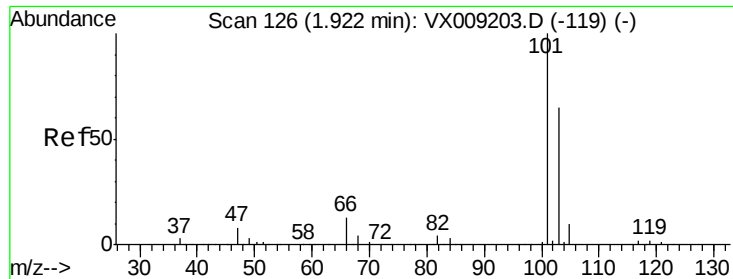
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

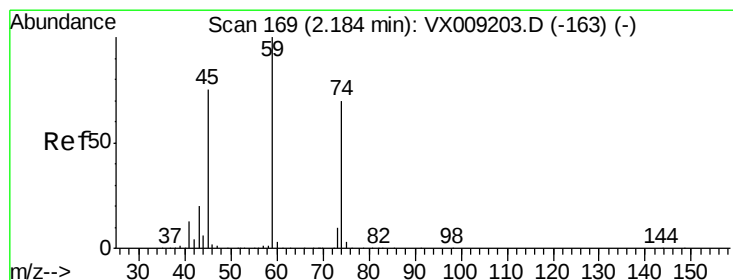
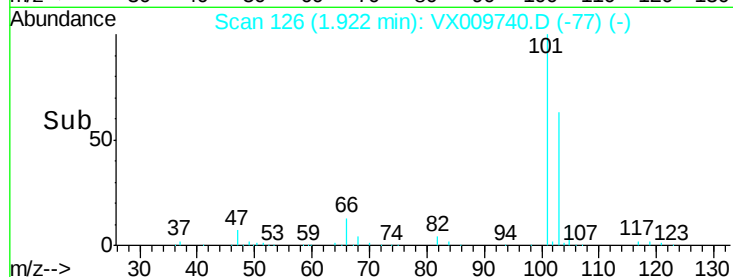
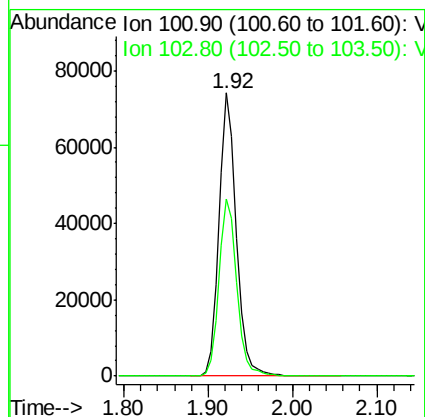
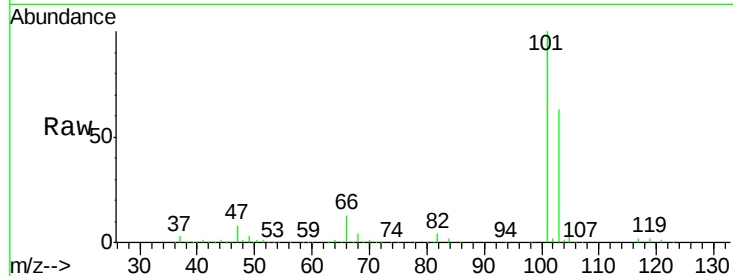
Trichlorofluoromethane
Concen: 49.551 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 106237
Ion Ratio Lower Upper
101 100
103 62.7 52.4 78.6

Manual Integrations
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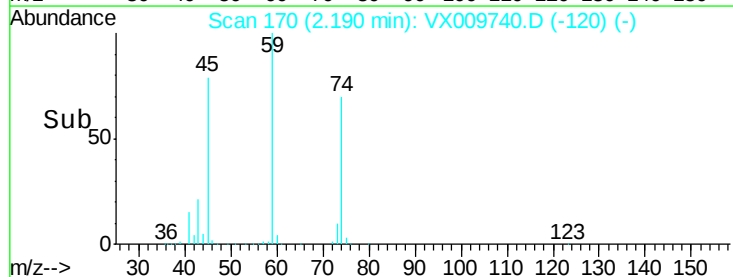
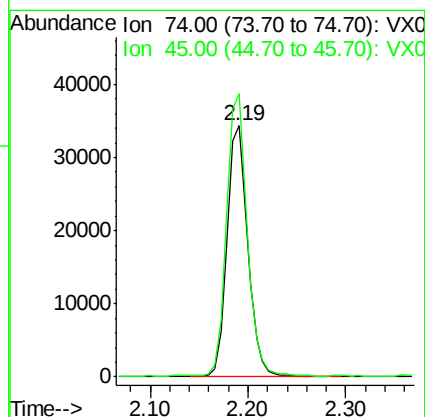
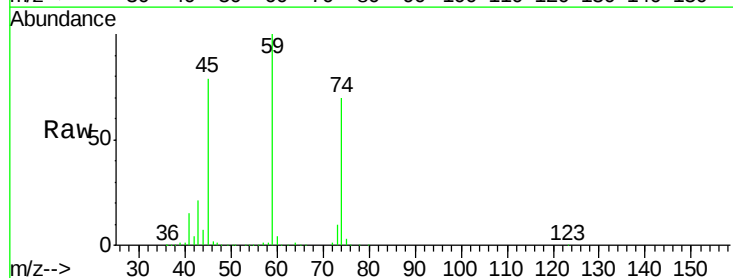
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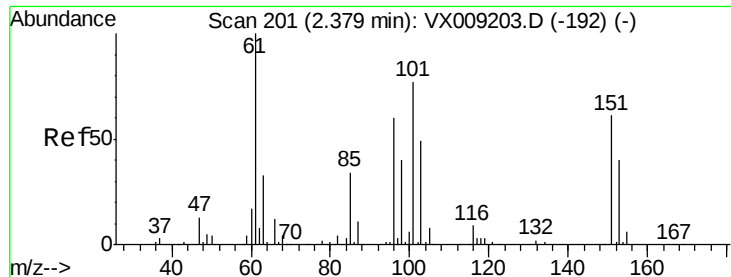


#8

Diethyl Ether
Concen: 50.006 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion: 74 Resp: 50784
Ion Ratio Lower Upper
74 100
45 110.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.877 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

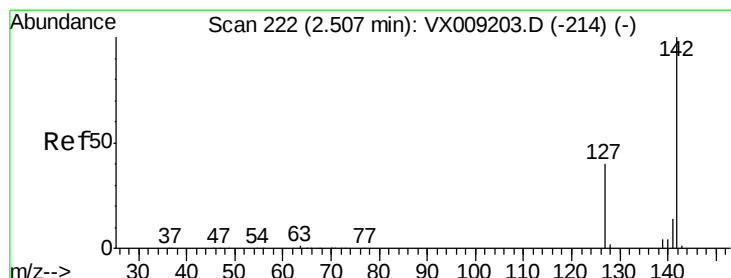
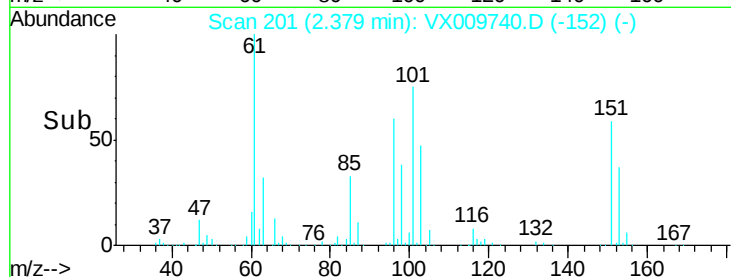
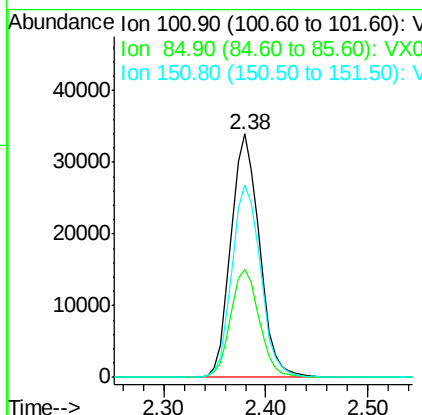
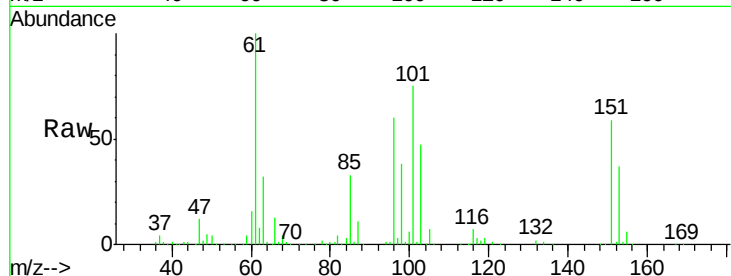
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	65806
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.7	53.5
151	79.6	62.2	93.2

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#10

Methyl Iodide

Concen: 44.718 ug/l

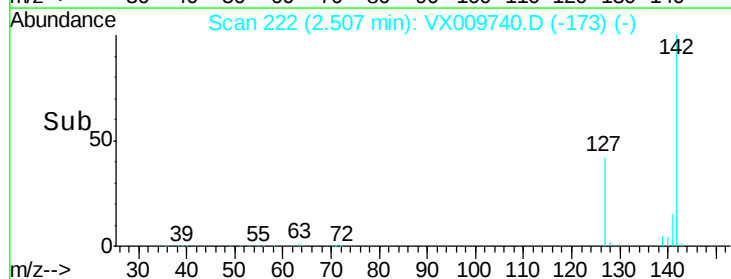
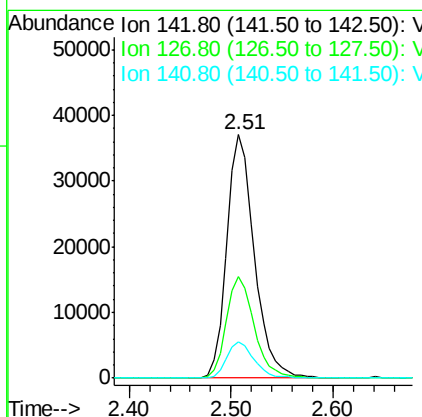
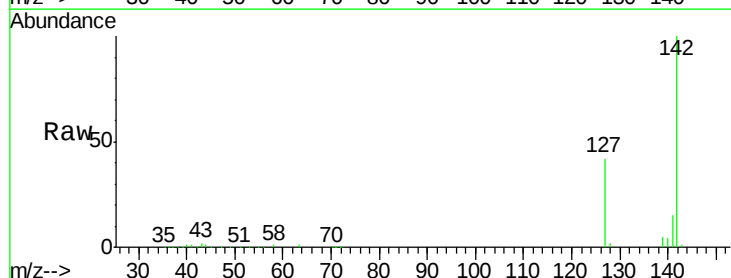
RT: 2.51 min Scan# 222

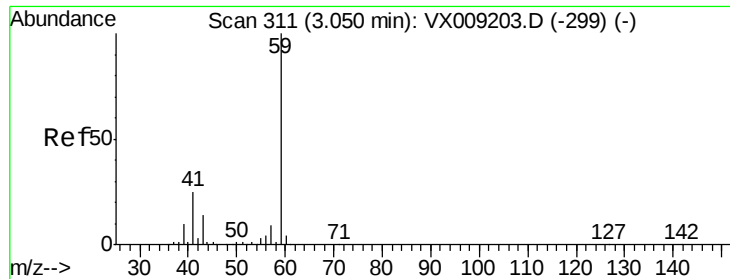
Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Tgt Ion:	142	Resp:	69117
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.7	49.1
141	15.0	11.5	17.3





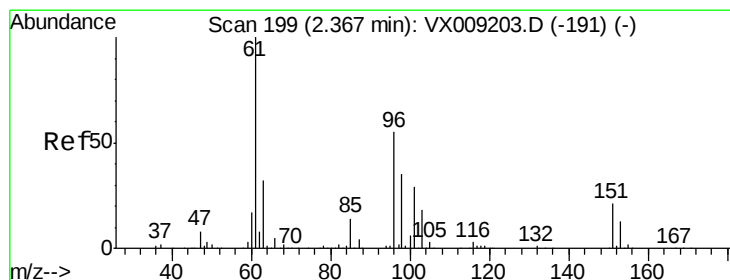
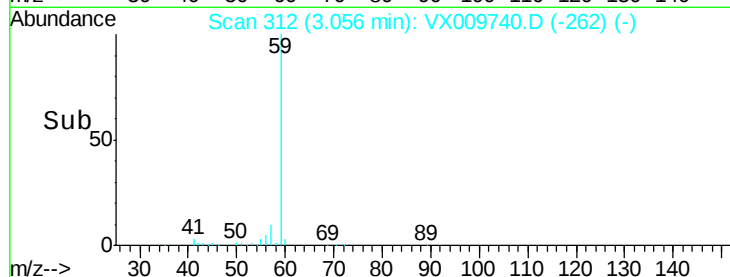
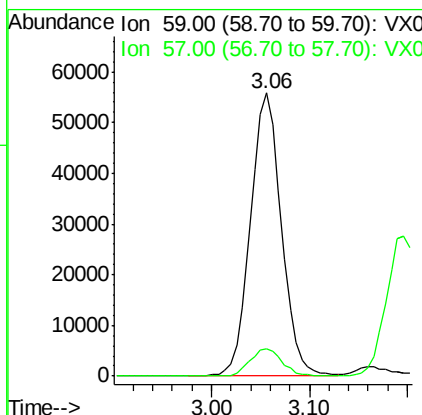
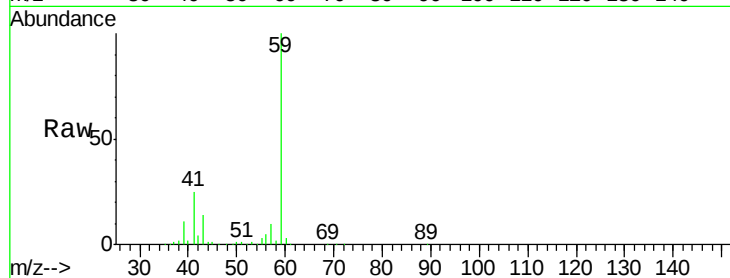
#11
Tert butyl alcohol
Concen: 270.867 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

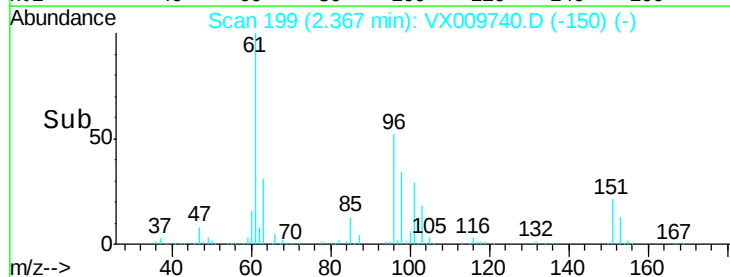
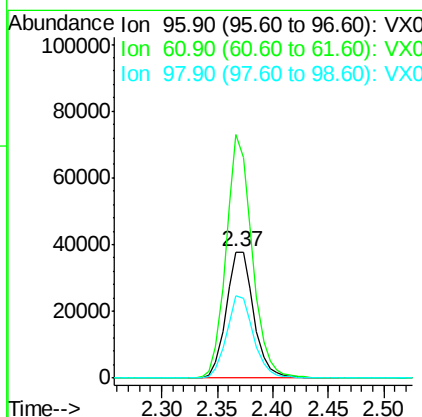
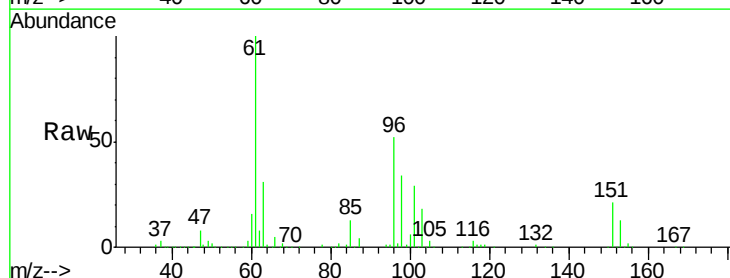
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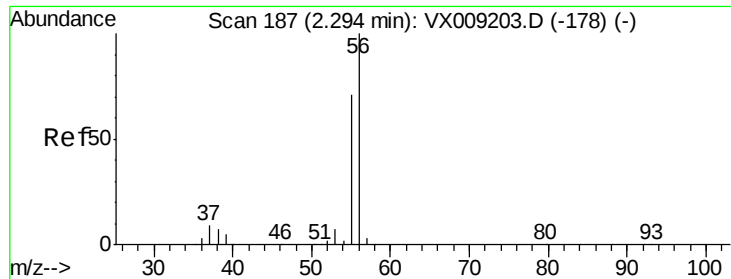
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.910 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.1	144.3	216.5
98	64.9	50.3	75.5





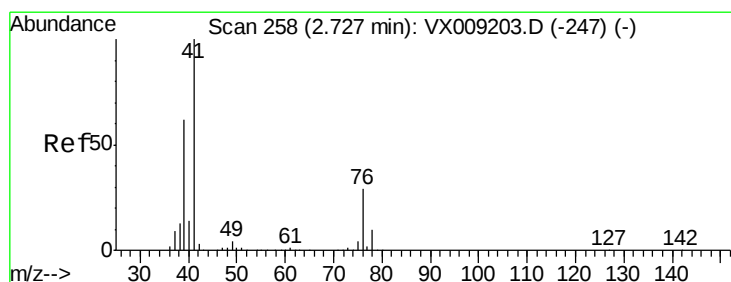
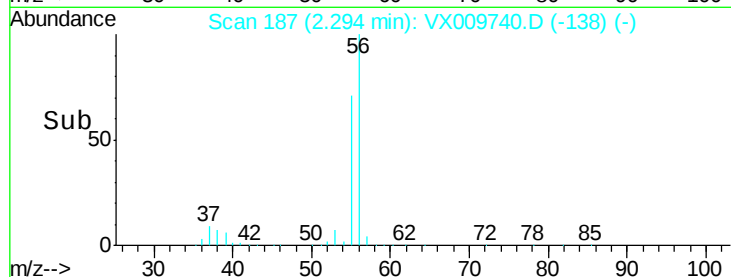
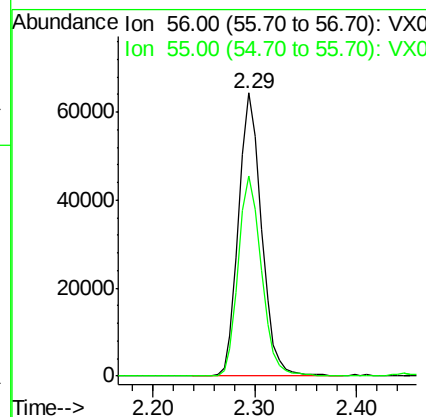
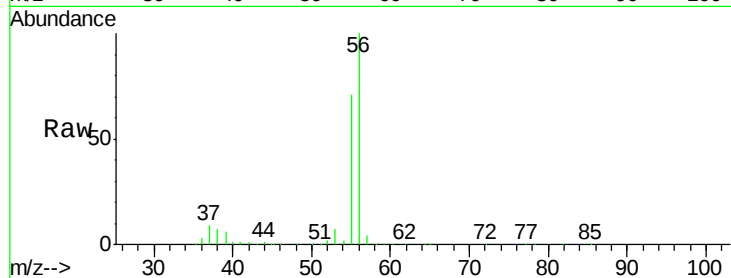
#13
 Acrolein
 Concen: 243.592 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.6	85.0

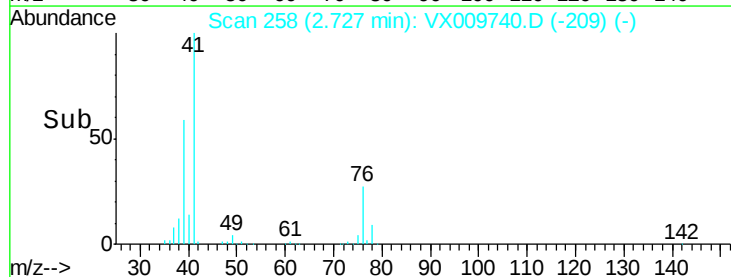
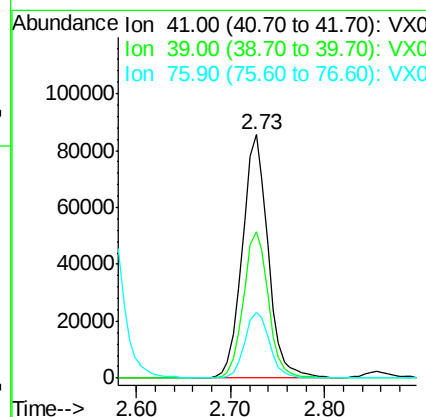
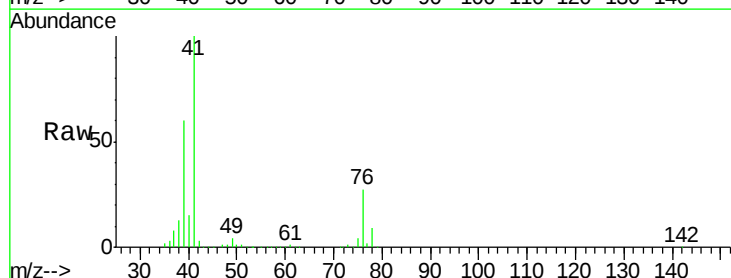
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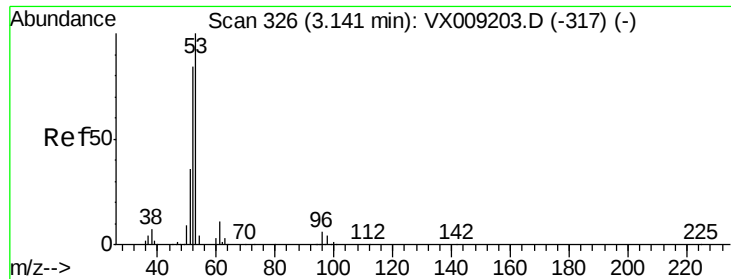
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#14
 Allyl chloride
 Concen: 49.672 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.9	46.7	70.1
76	26.1	21.8	32.8





#15

Acrylonitrile

Concen: 266.521 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

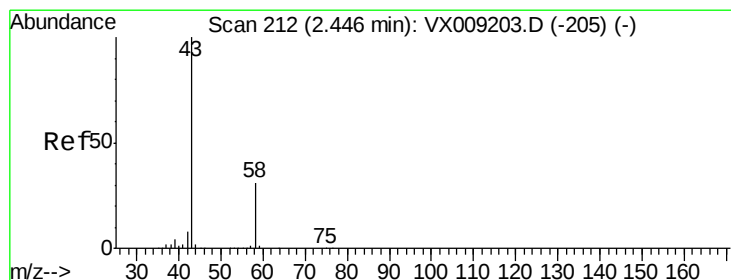
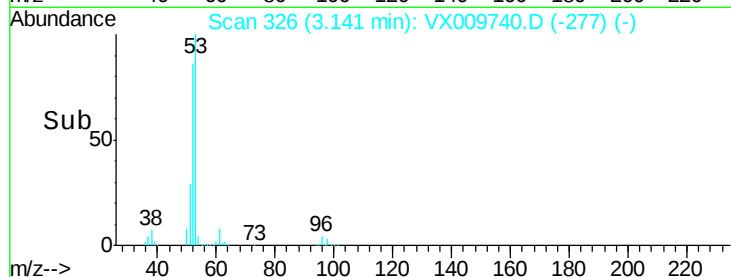
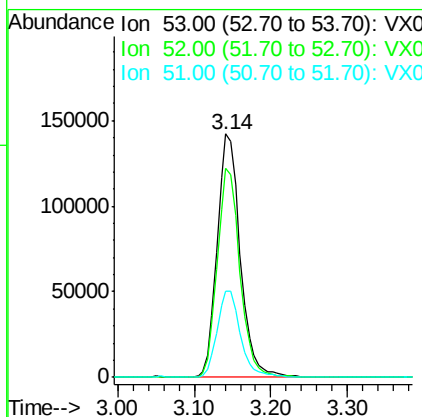
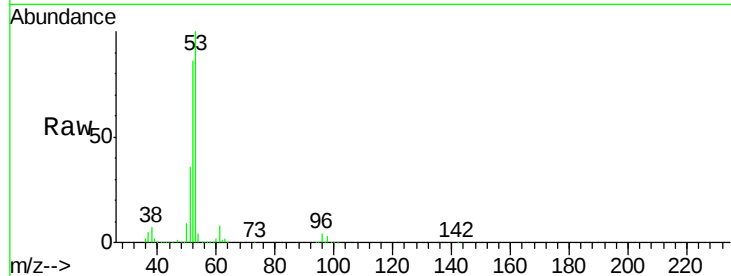
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	296052
Ion Ratio		Lower	Upper
53	100		
52	84.8	66.9	100.3
51	36.0	28.2	42.2

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#16

Acetone

Concen: 246.009 ug/l

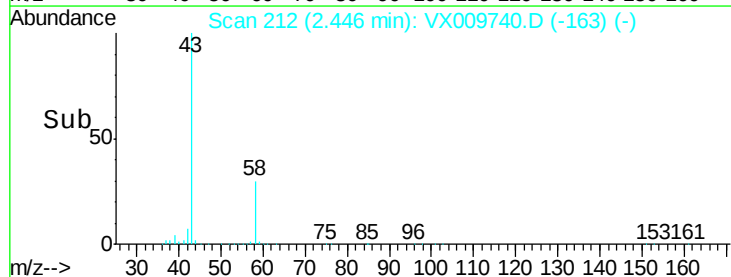
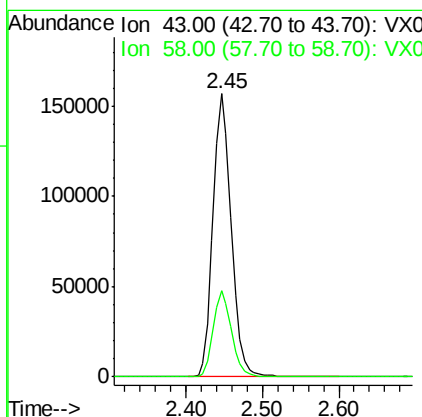
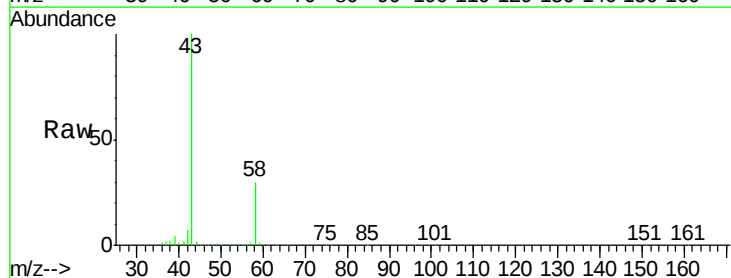
RT: 2.45 min Scan# 212

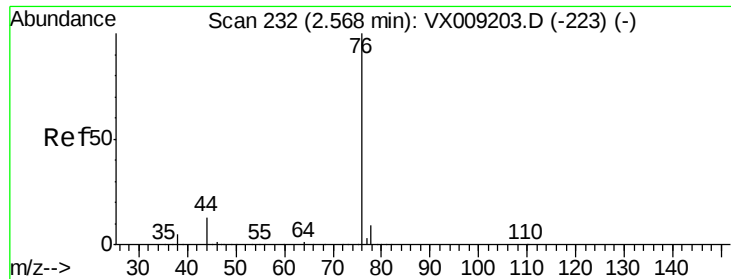
Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Tgt Ion:	43	Resp:	259258
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





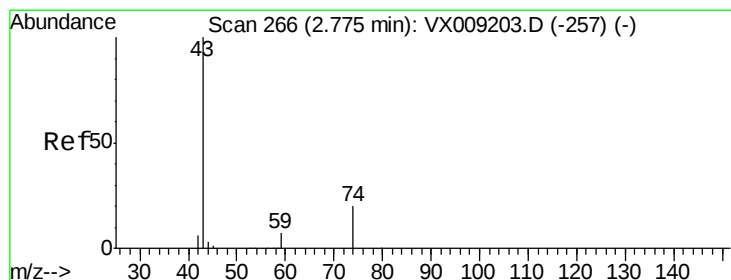
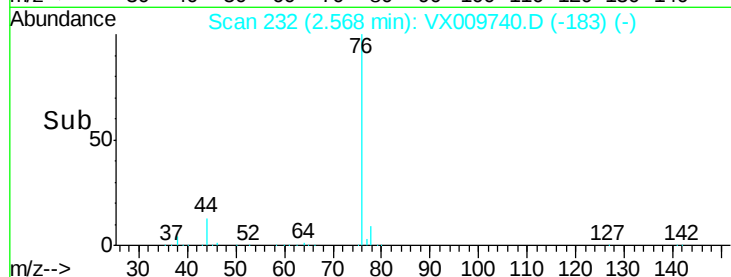
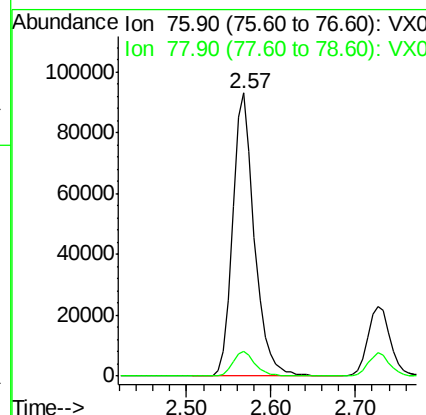
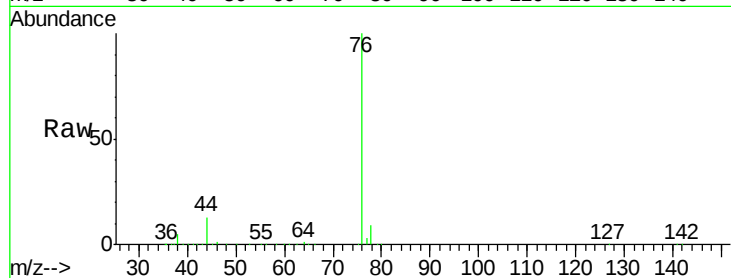
#17
Carbon Disulfide
Concen: 43.249 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

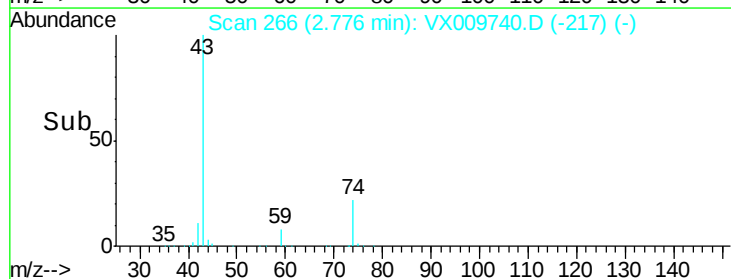
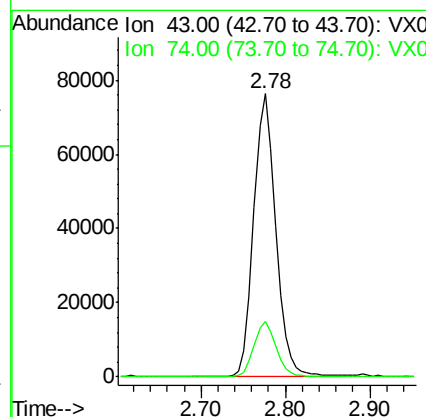
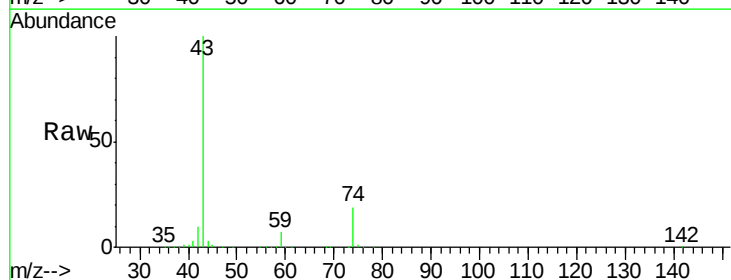
Manual Integrations
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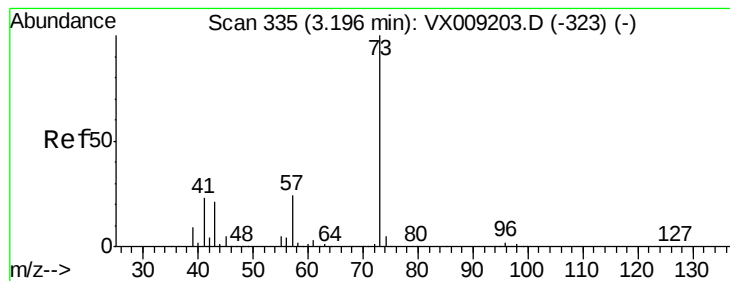
MMDadoda
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#18
Methyl Acetate
Concen: 53.922 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	16.2	24.4





#19

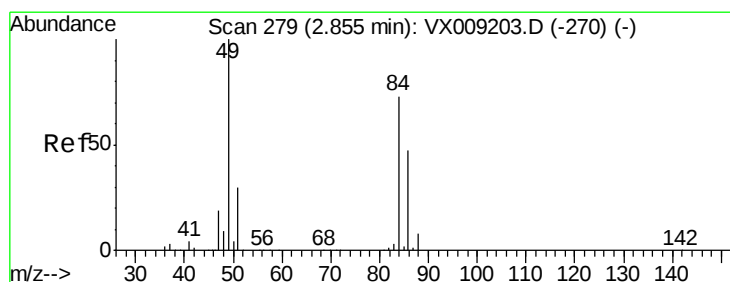
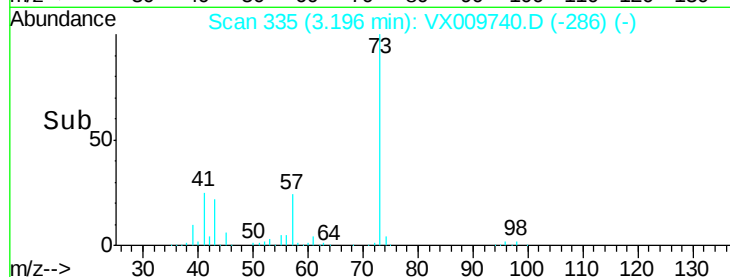
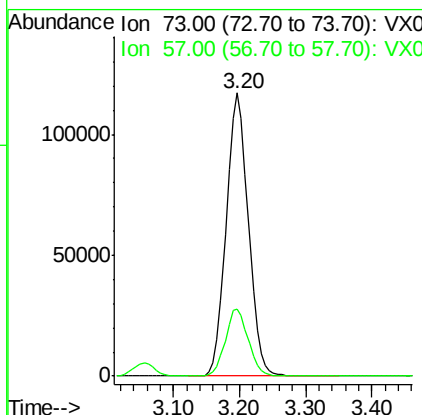
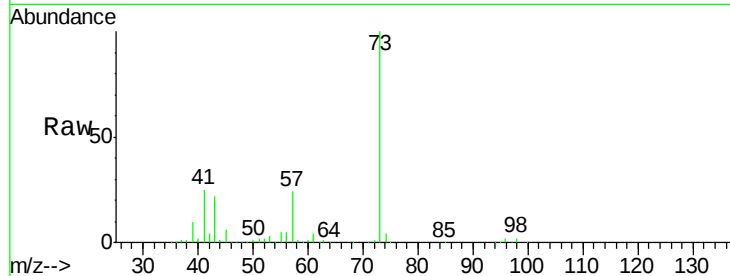
Methyl tert-butyl Ether
 Concen: 51.923 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.3	28.9

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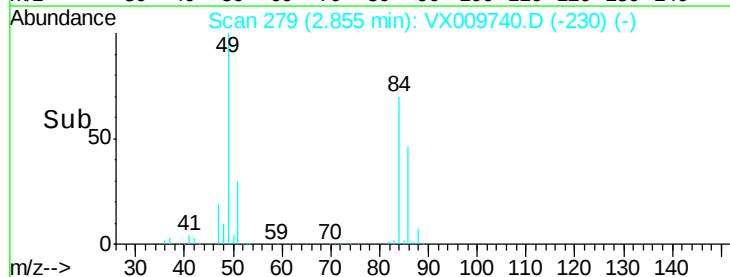
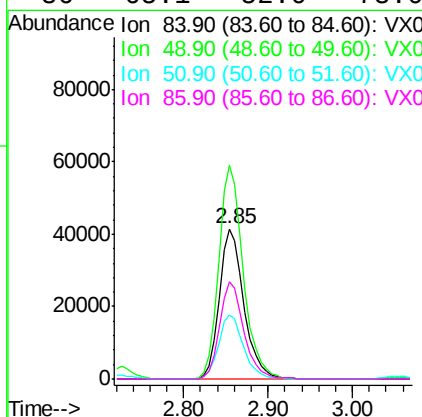
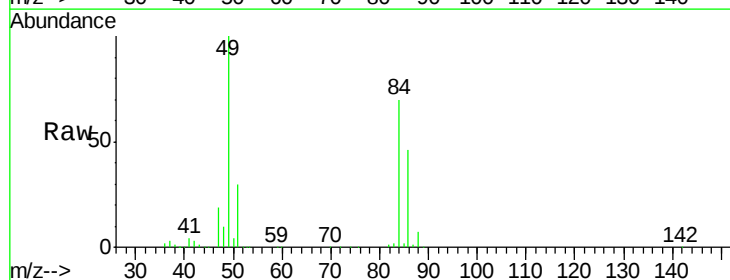
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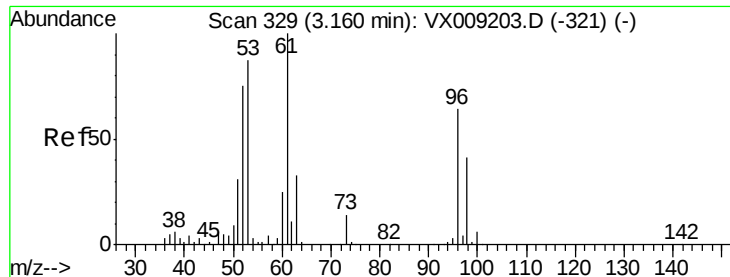


#20

Methylene Chloride
 Concen: 48.635 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.9	109.9	164.9
51	42.4	32.7	49.1
86	65.1	52.0	78.0





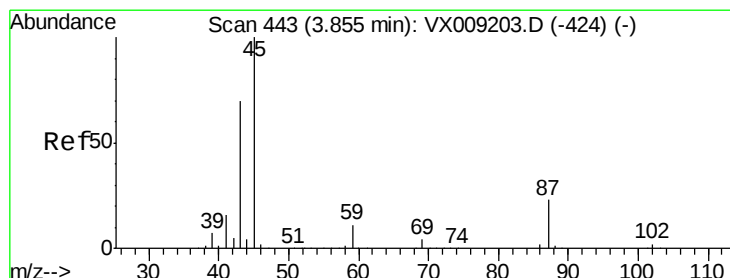
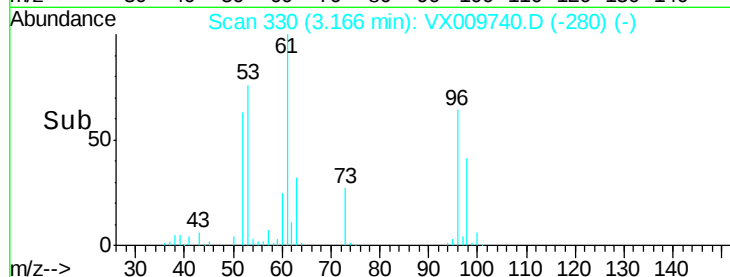
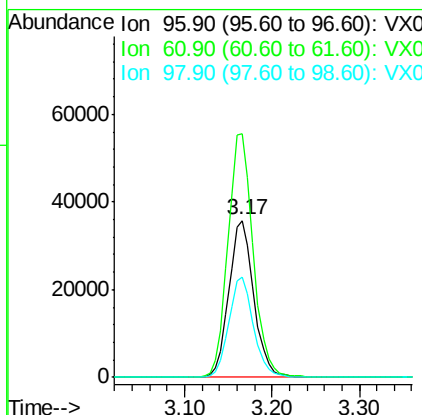
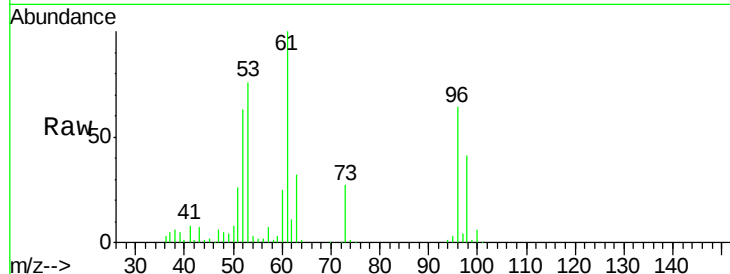
#21
trans-1,2-Dichloroethene
Concen: 48.435 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.2	124.5	186.7
98	63.7	50.4	75.6

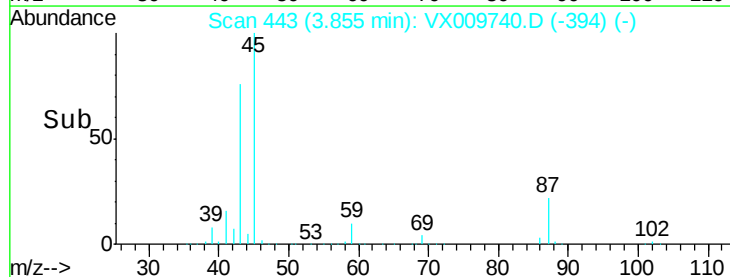
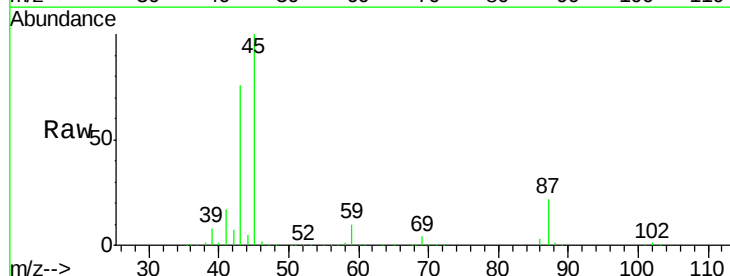
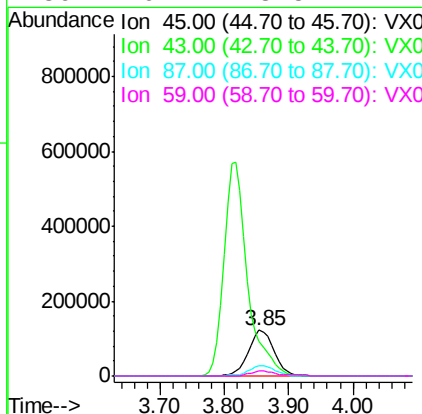
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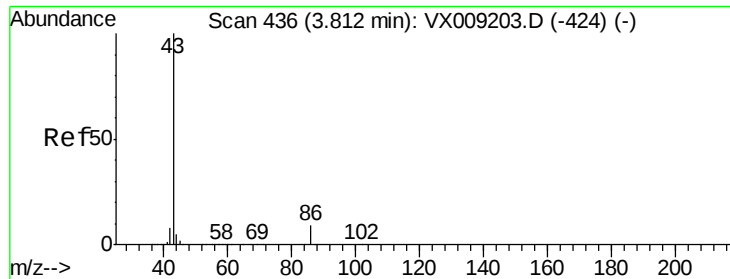
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#22
Diisopropyl ether
Concen: 52.781 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.1	56.1	84.1
87	22.1	18.1	27.1
59	10.1	8.5	12.7





#23

Vinyl Acetate

Concen: 273.056 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1478256

Ion Ratio Lower Upper

43 100

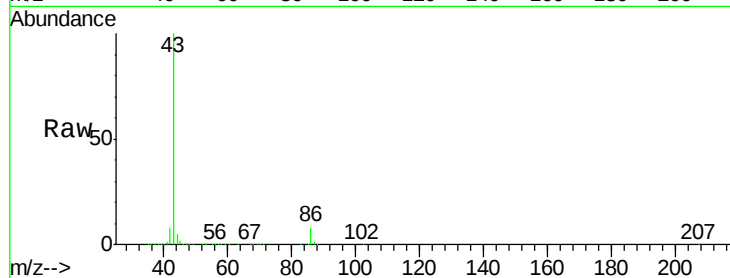
86 8.4 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

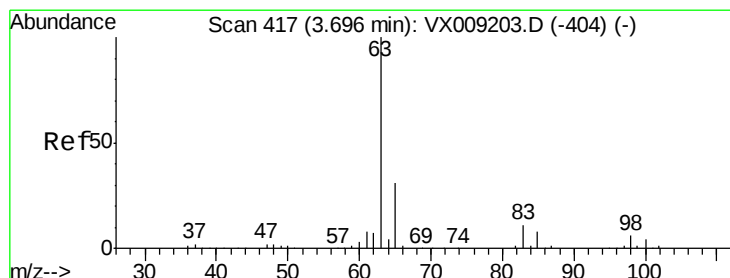
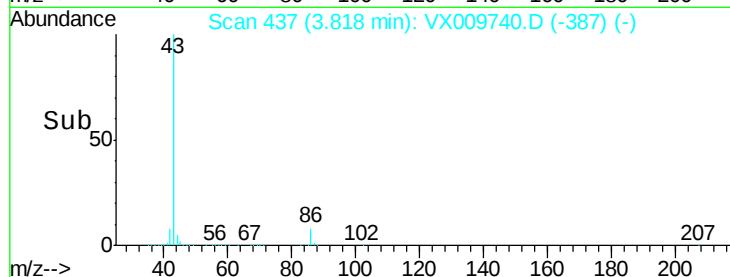
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.536 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

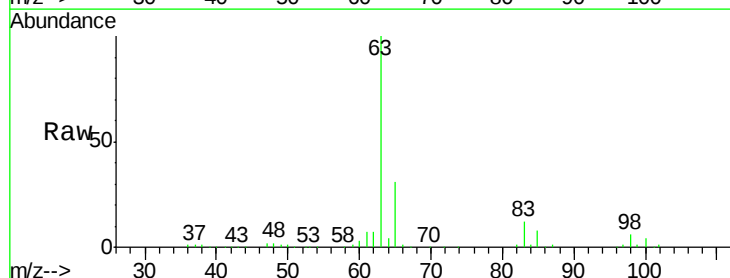
Tgt Ion: 63 Resp: 157613

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

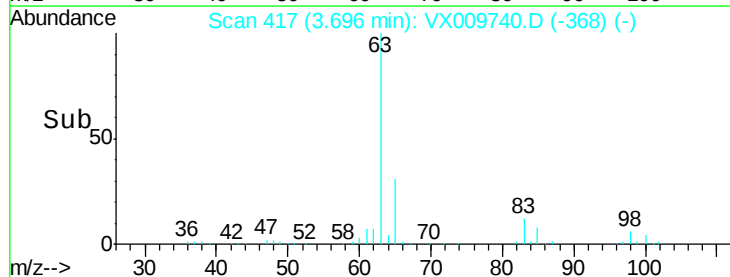
60000

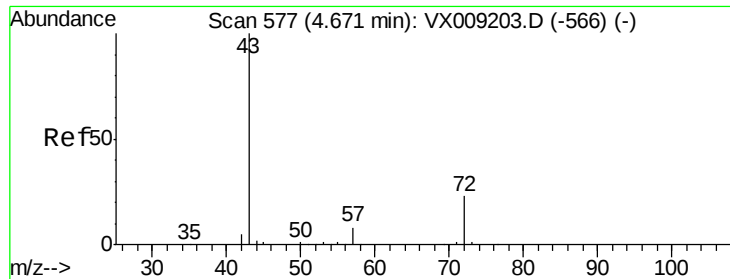
40000

20000

0

Time-->





#25

2-Butanone

Concen: 271.519 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 444656

Ion Ratio Lower Upper

43 100

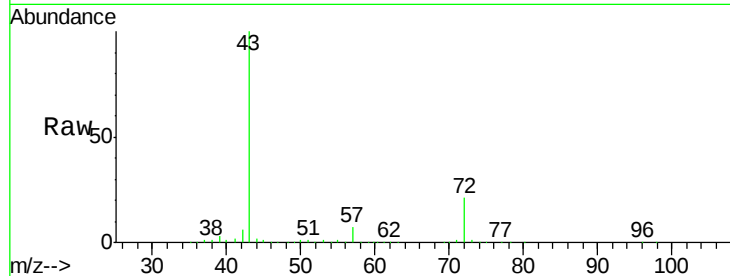
72 21.1 18.2 27.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

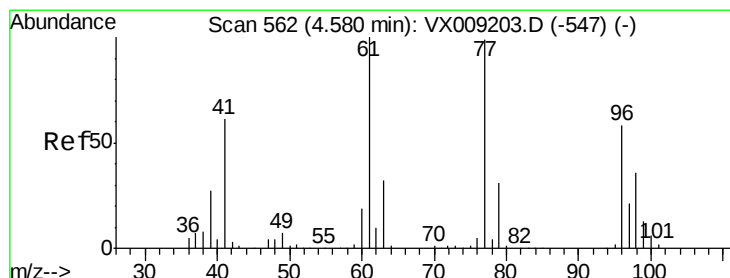
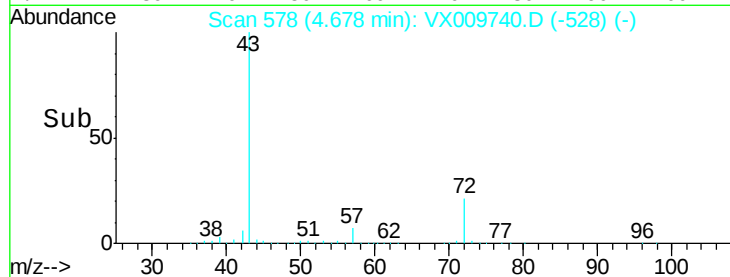
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.211 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009740.D

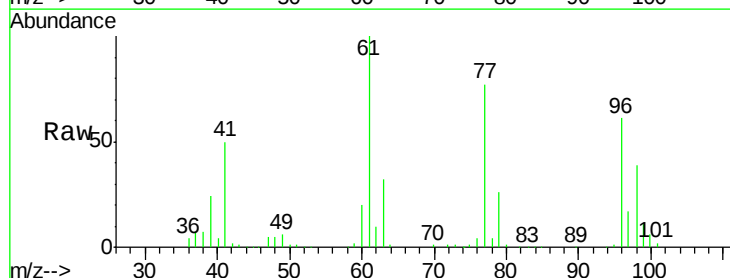
Acq: 20 May 2019 20:44

Tgt Ion: 77 Resp: 104954

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

40000

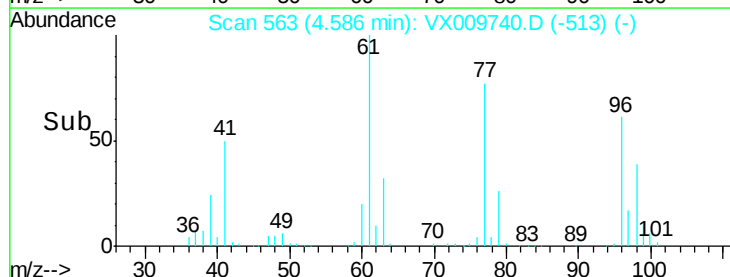
30000

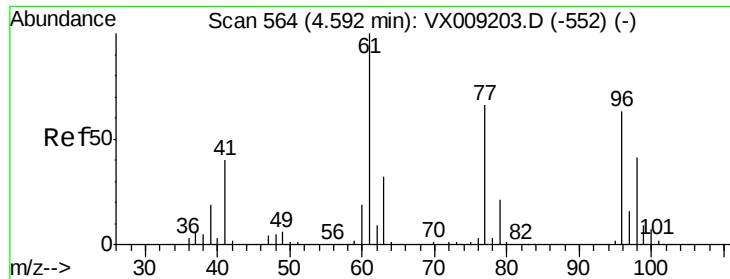
20000

10000

0

Time-->





#27

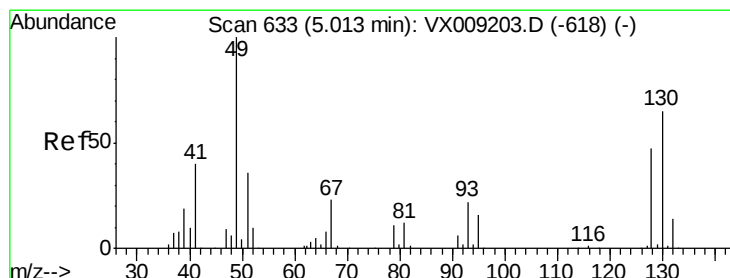
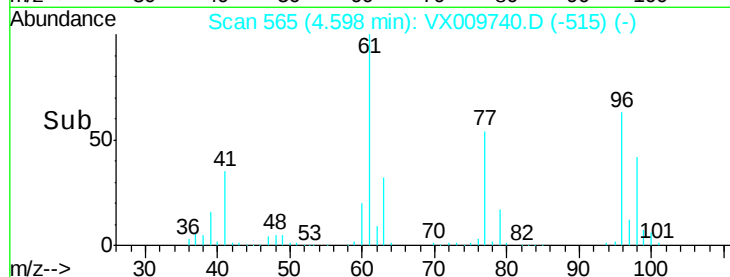
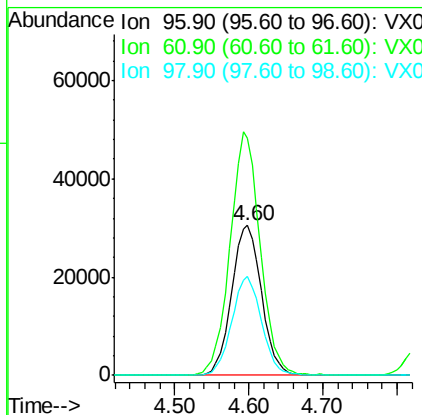
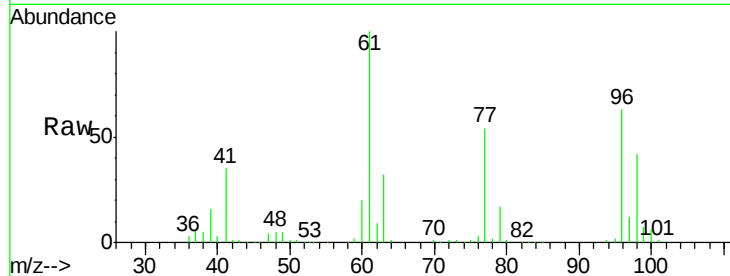
cis-1,2-Dichloroethene
Concen: 49.403 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.0	0.0	324.0
98	65.3	0.0	130.4

Manual Integrations
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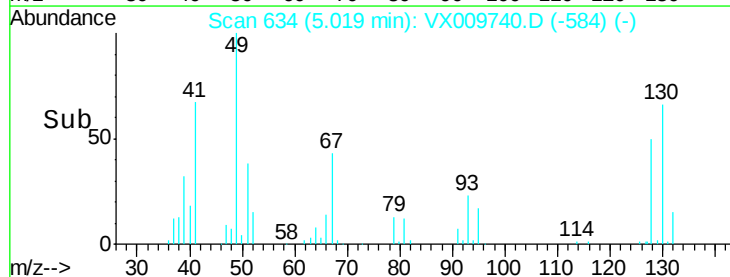
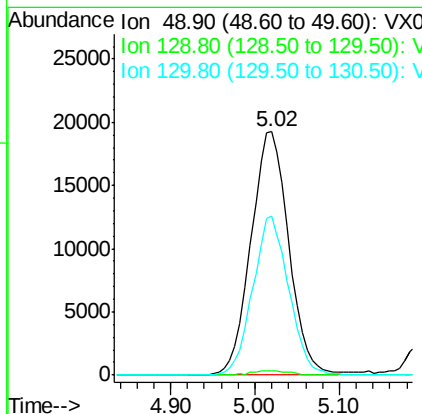
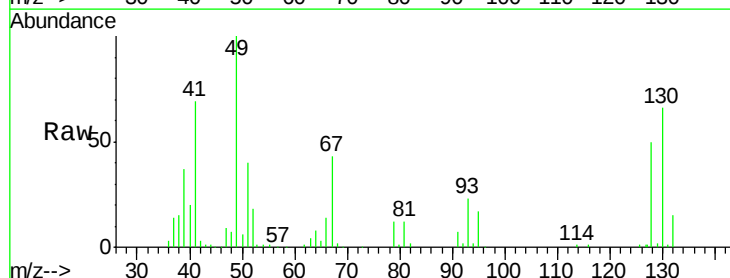
MMDadoda
5/21/2019 9:13:57 AM

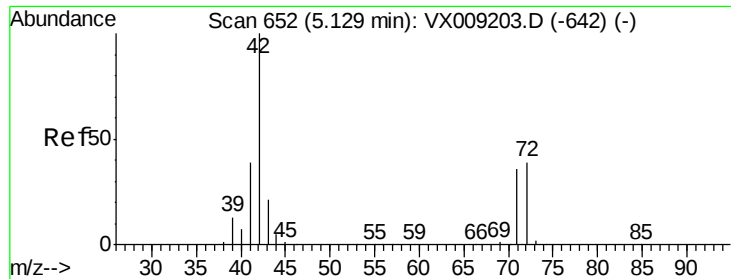


#28

Bromochloromethane
Concen: 46.821 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	62.2	51.2	76.8





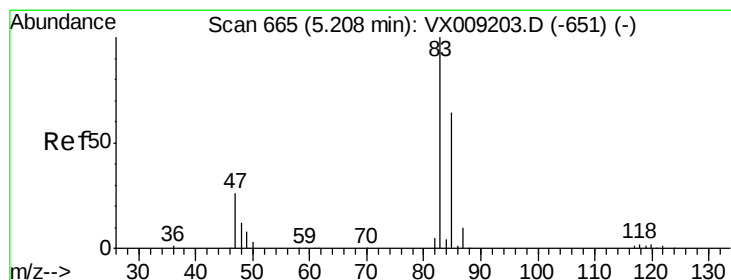
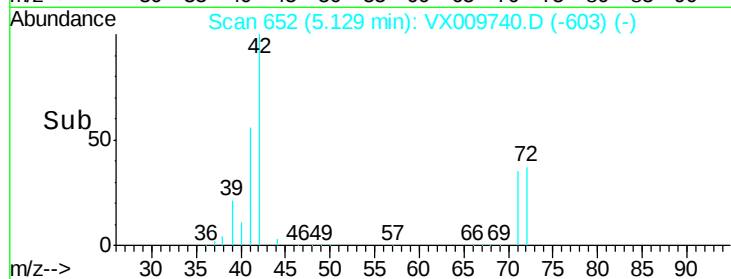
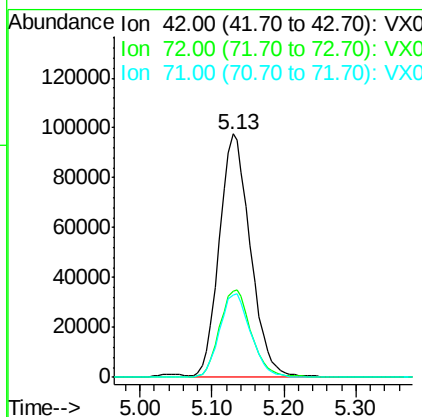
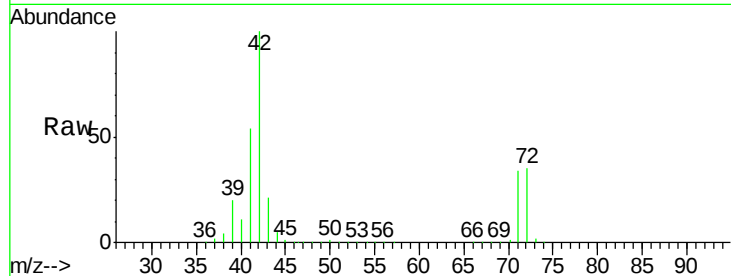
#29
Tetrahydrofuran
Concen: 275.730 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	290572
Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.4	45.6
71	34.9	28.6	43.0

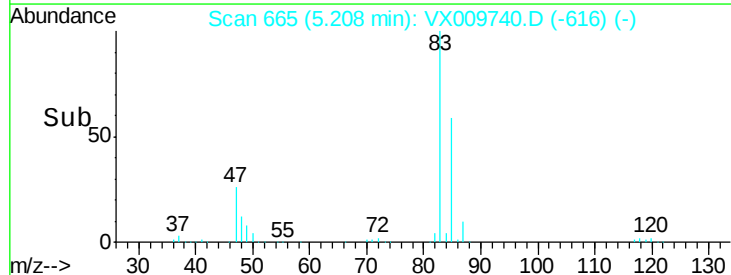
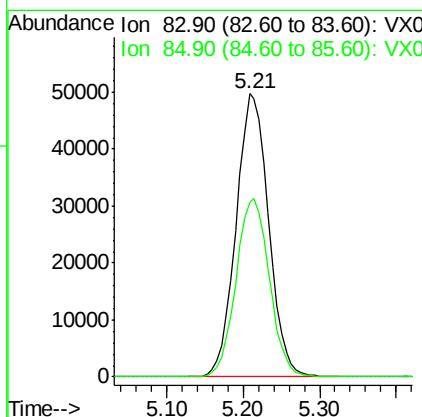
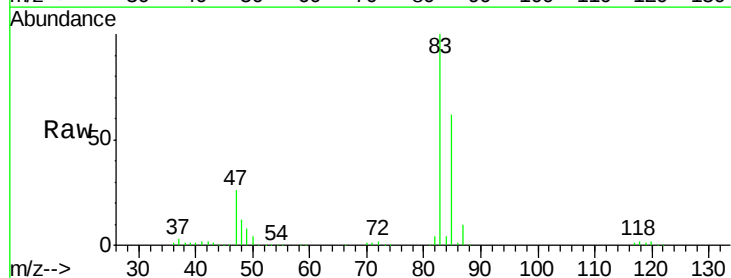
Manual Integrations
APPROVED

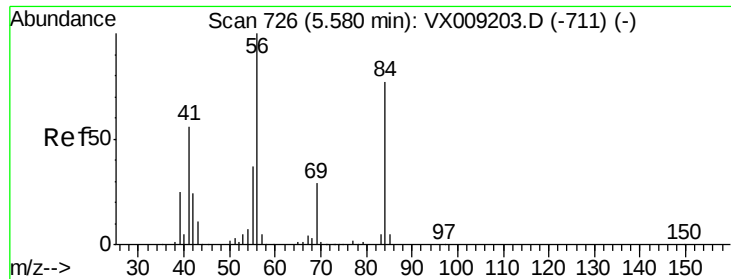
MMDadoda
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#30
Chloroform
Concen: 52.067 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion:	83	Resp:	146868
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.5	77.3





#31

Cyclohexane

Concen: 48.346 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

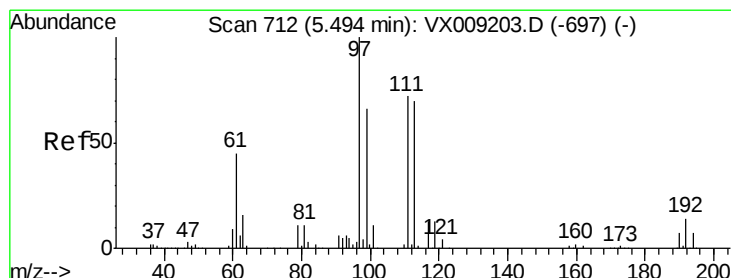
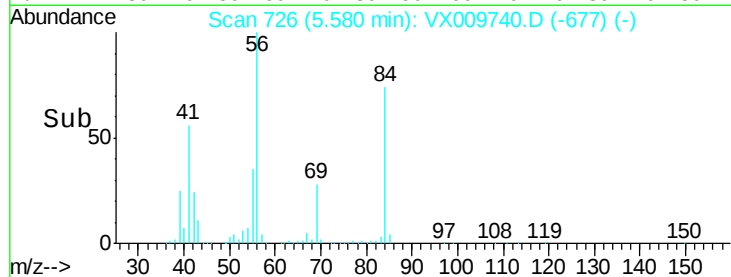
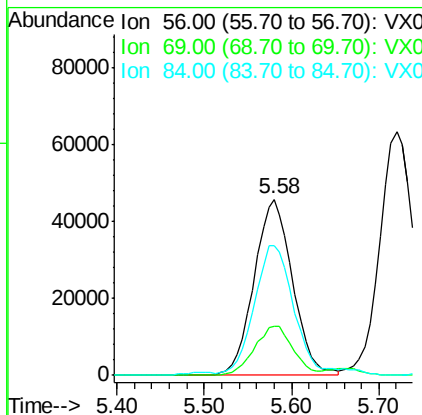
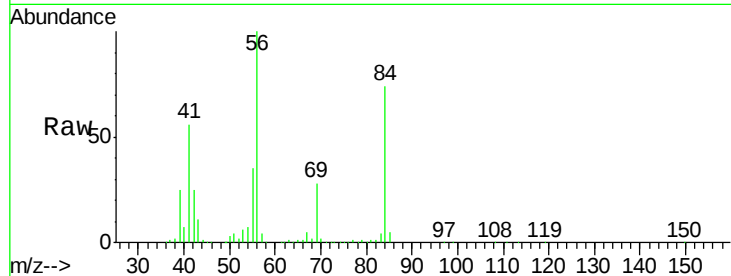
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	140283
Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.4	35.0
84	72.8	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.664 ug/l

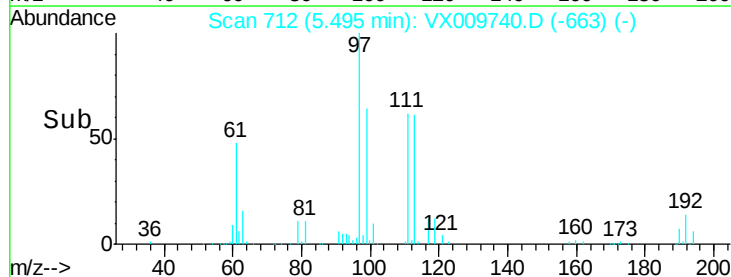
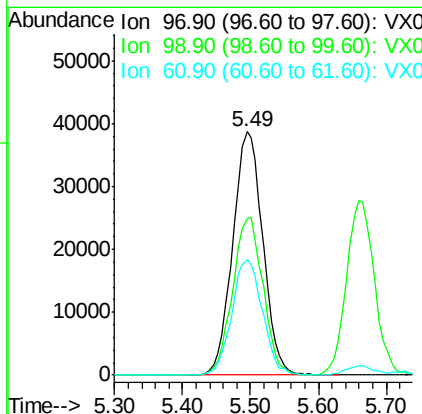
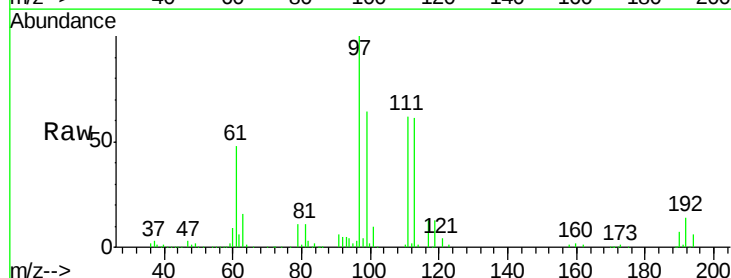
RT: 5.49 min Scan# 712

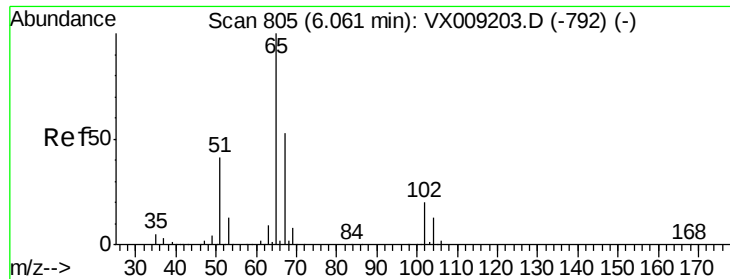
Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Tgt Ion:	97	Resp:	118968
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.8
61	48.5	37.8	56.8





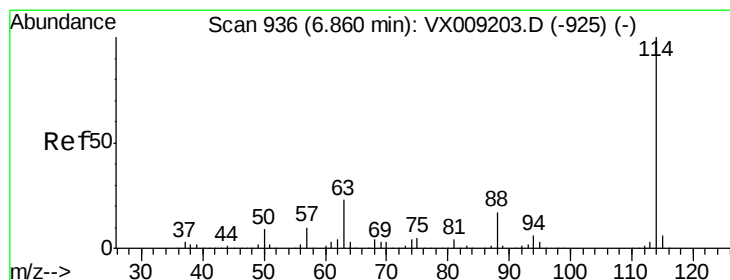
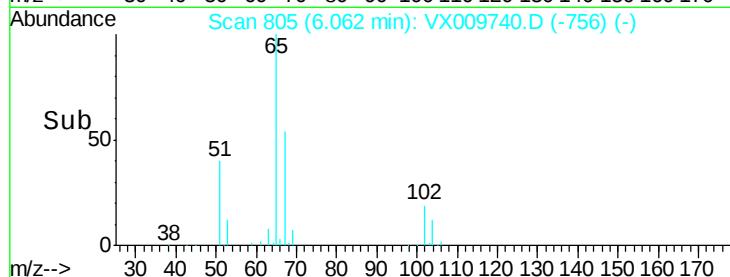
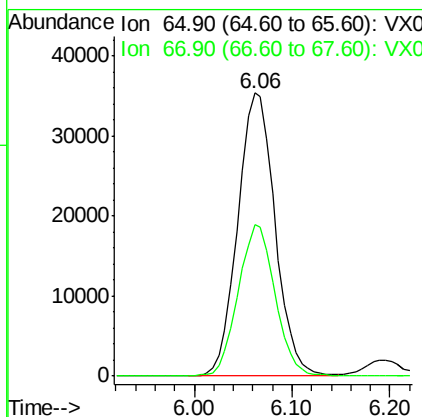
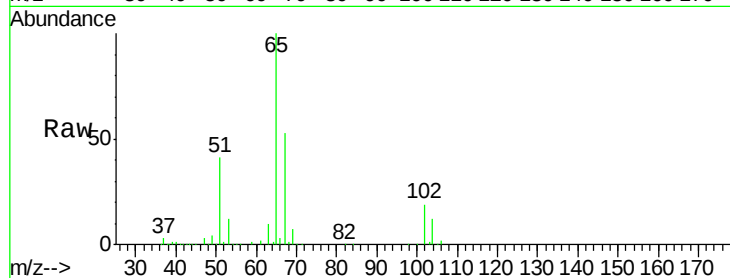
#33
 1,2-Dichloroethane-d4
 Concen: 47.752 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.6

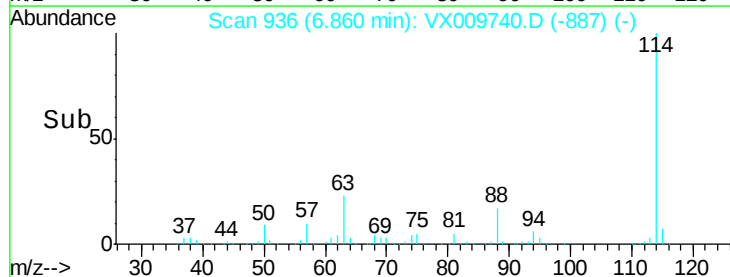
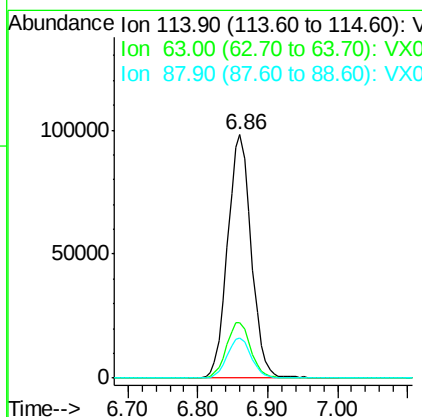
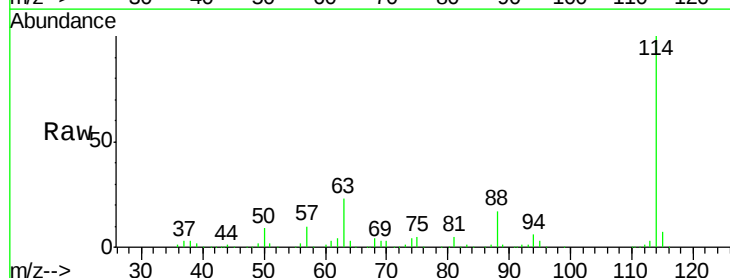
Manual Integrations
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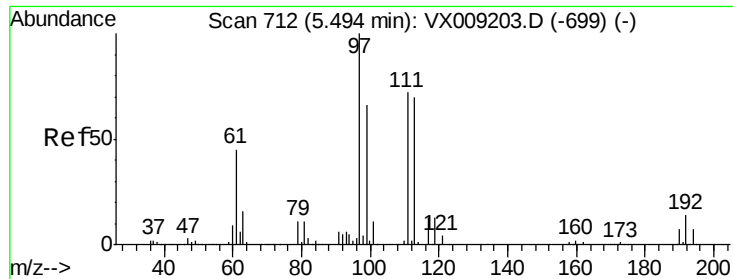
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 5/21/2019 9:13:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.6	0.0	33.2





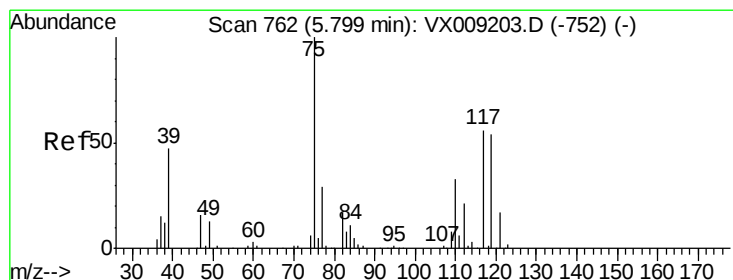
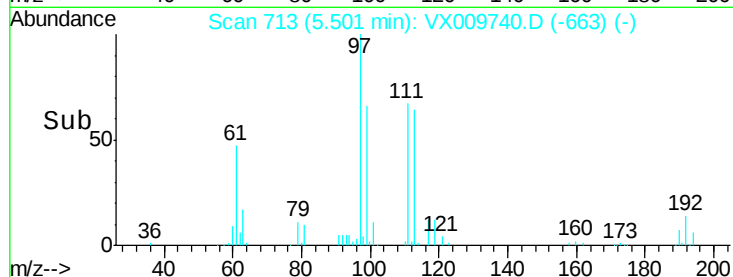
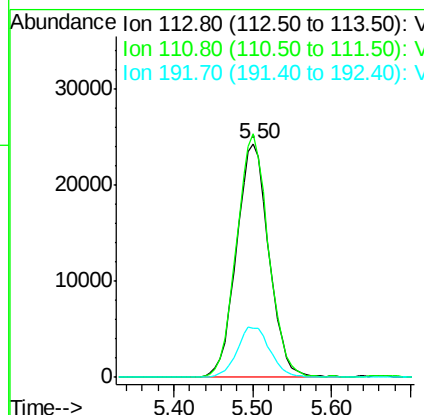
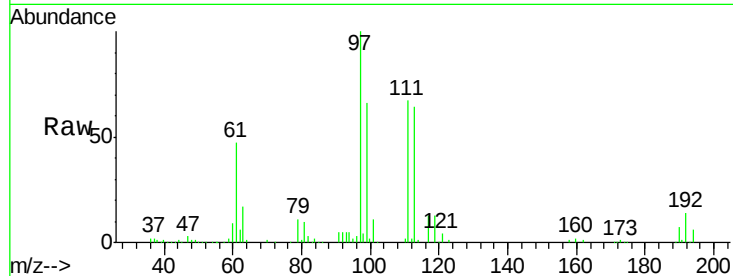
#35
 Dibromofluoromethane
 Concen: 47.838 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	21.8	17.0	25.6

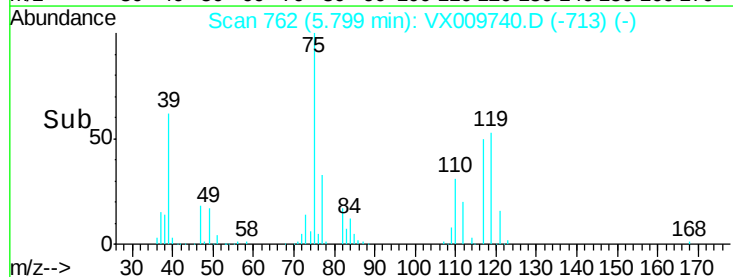
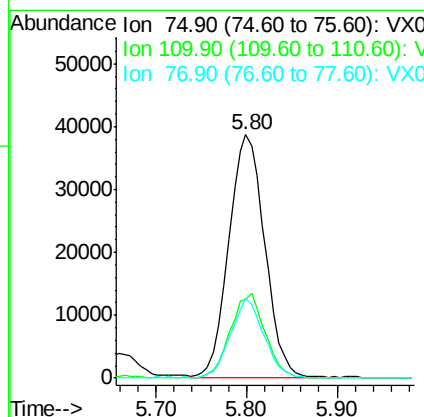
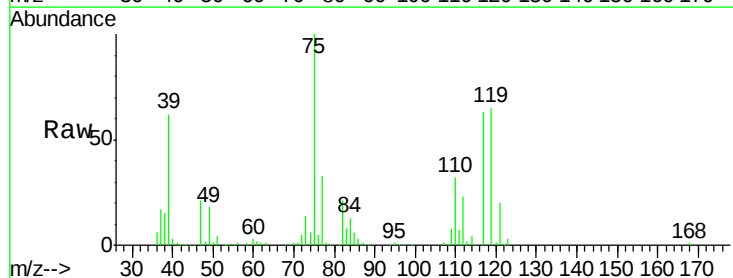
Manual Integrations
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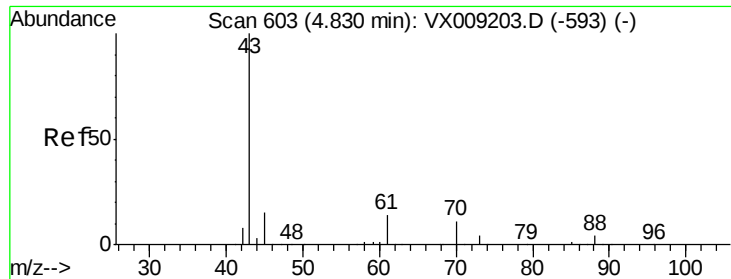
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#36
 1,1-Dichloropropene
 Concen: 49.137 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.1	24.8	37.2





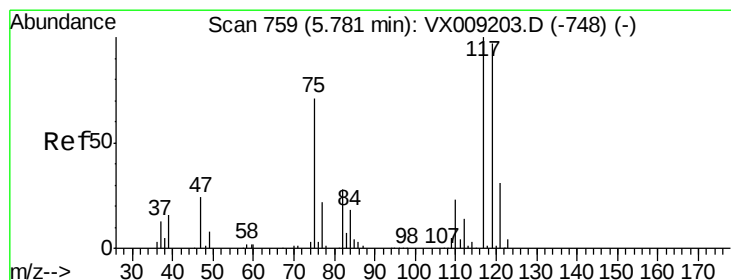
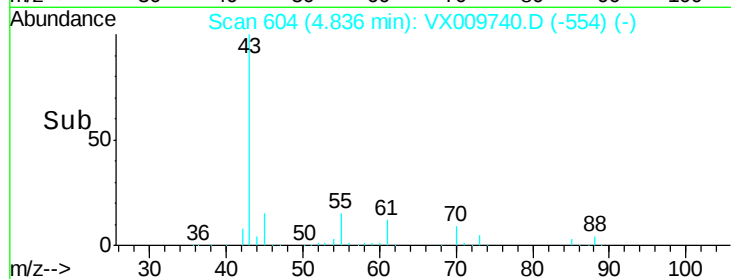
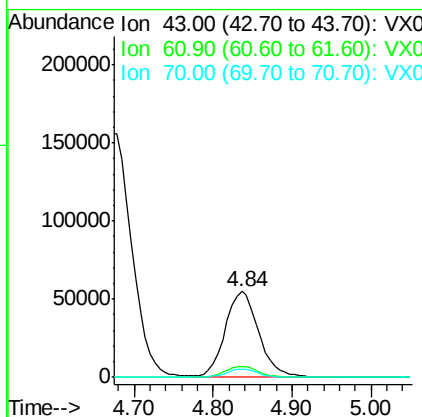
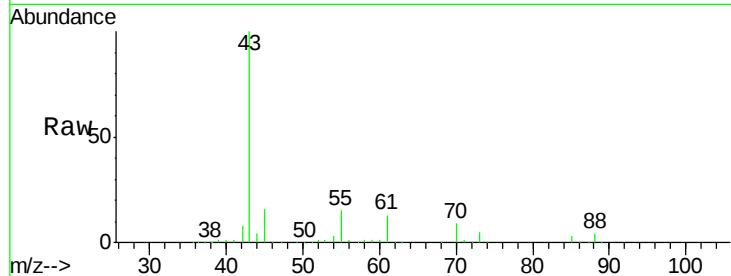
#37
Ethyl Acetate
Concen: 53.902 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	161466
Ion Ratio	100	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.3	7.9	11.9

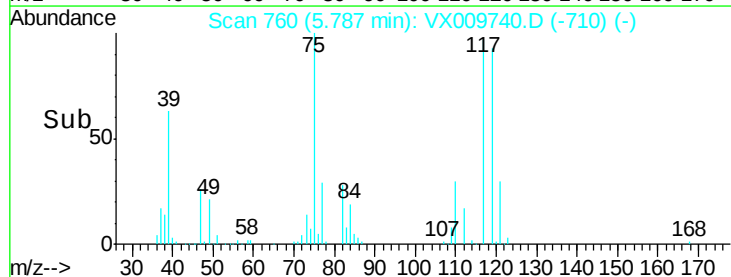
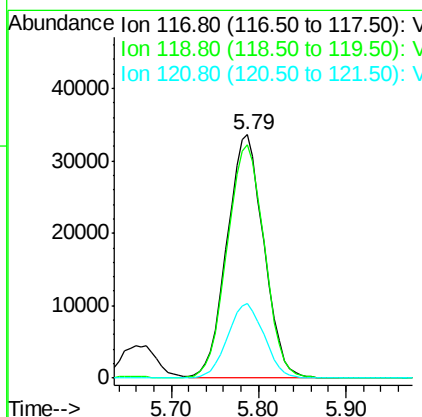
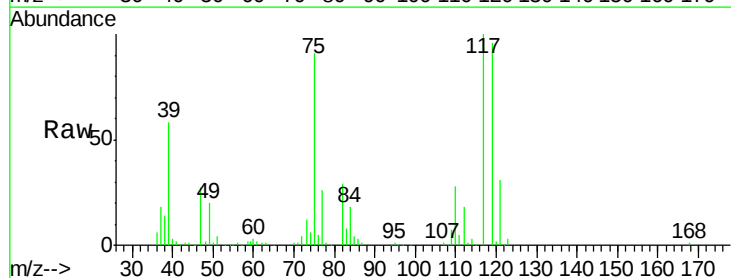
Manual Integrations
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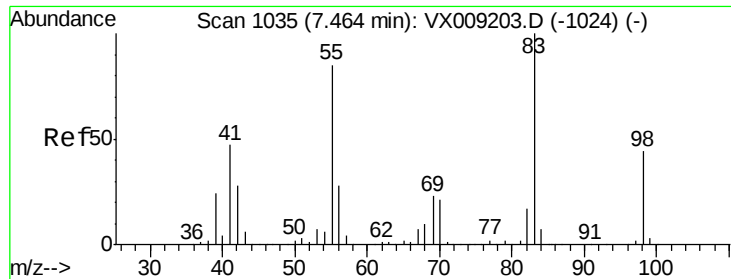
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#38
Carbon Tetrachloride
Concen: 50.345 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	117	Resp	98343
Ion Ratio	100	Lower	Upper
117	100		
119	95.7	77.5	116.3
121	30.6	24.7	37.1





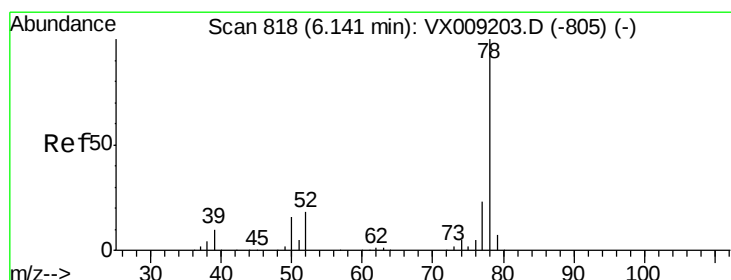
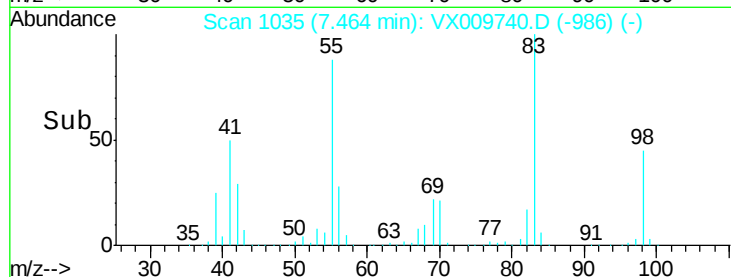
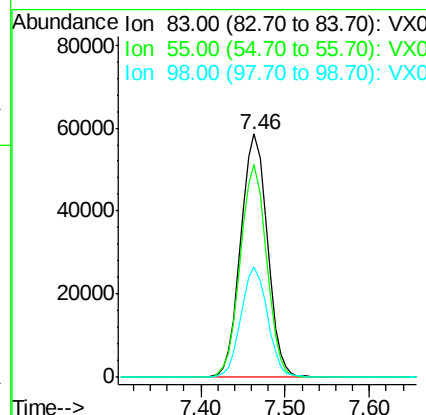
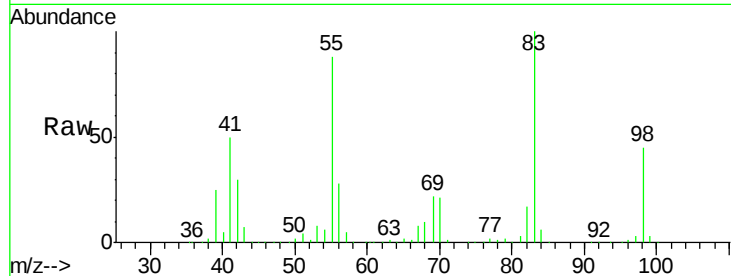
#39
Methvlcvclohexane
Concen: 47.512 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	67.7	101.5
98	45.3	35.5	53.3

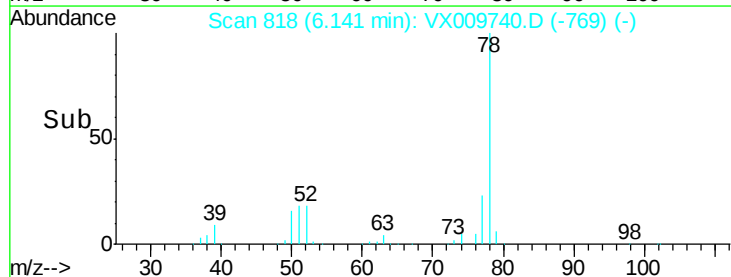
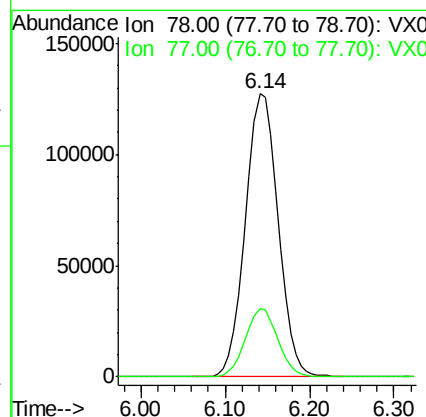
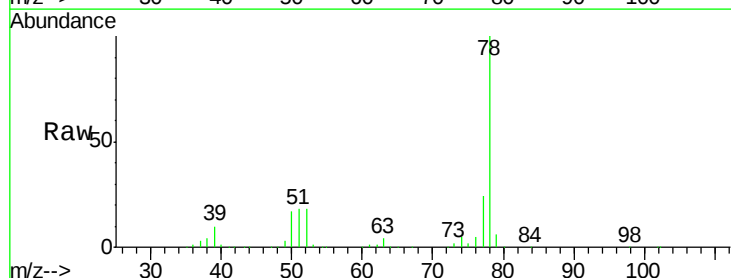
Manual Integrations
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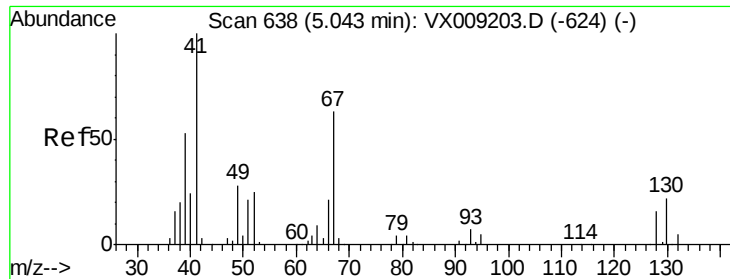
MMDadoda
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#40
Benzene
Concen: 50.480 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





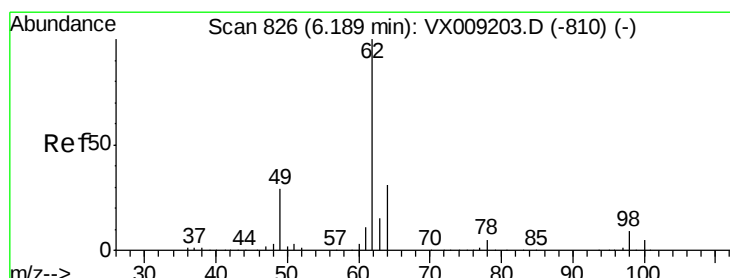
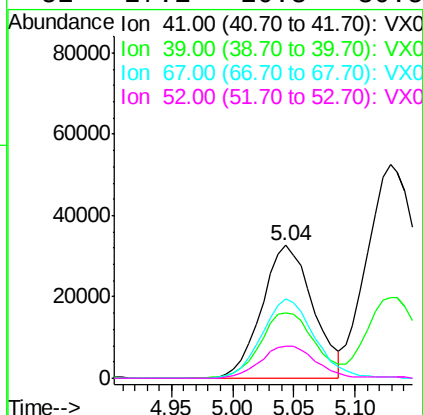
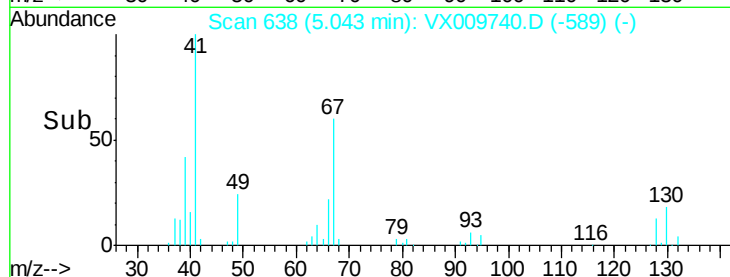
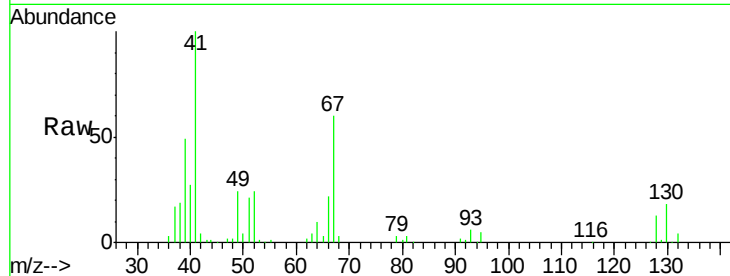
#41
Methacrylonitrile
Concen: 53.076 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.0	63.0	
67	62.0	49.8	74.8	
52	27.1	20.3	30.5	

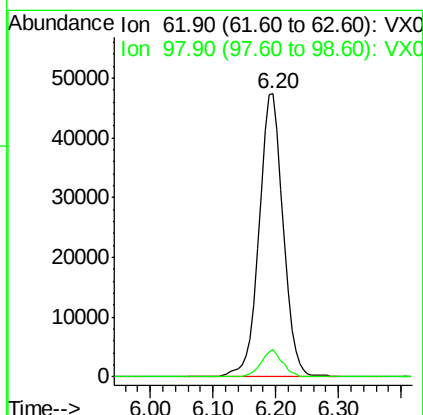
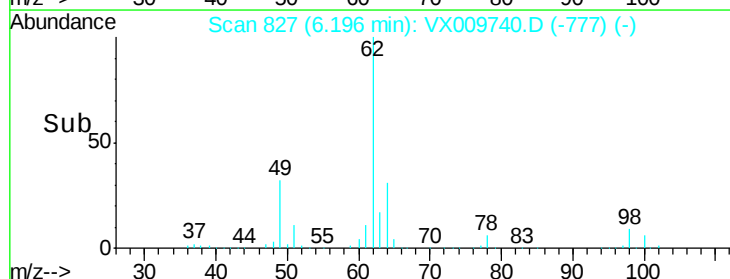
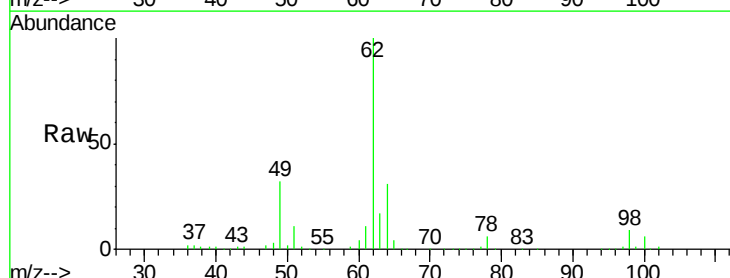
Manual Integrations
APPROVED

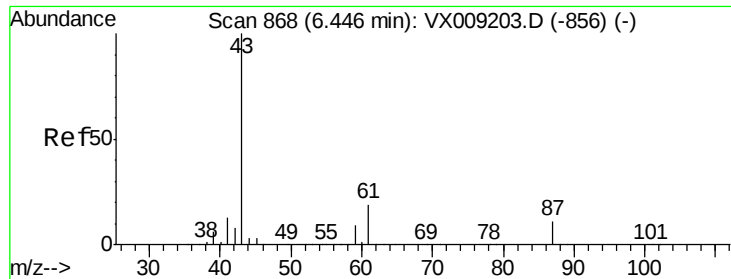
MMDadoda
5/21/2019 9:13:57 AM



#42
1,2-Dichloroethane
Concen: 52.693 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	18.2	





#43

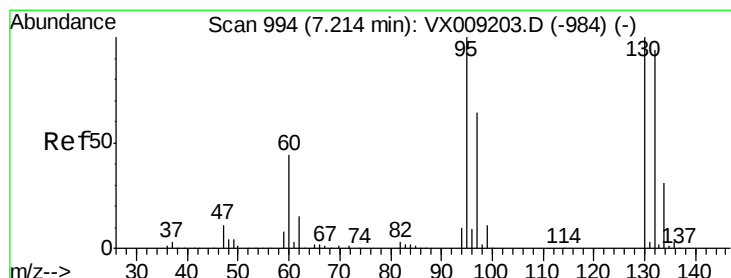
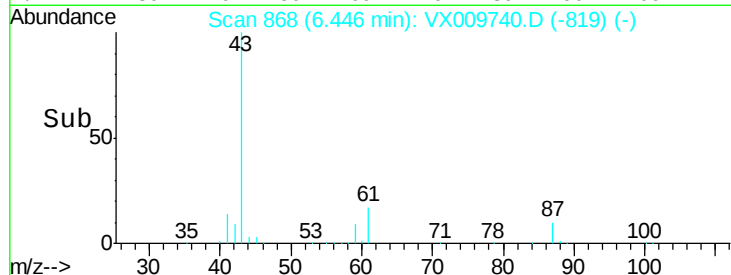
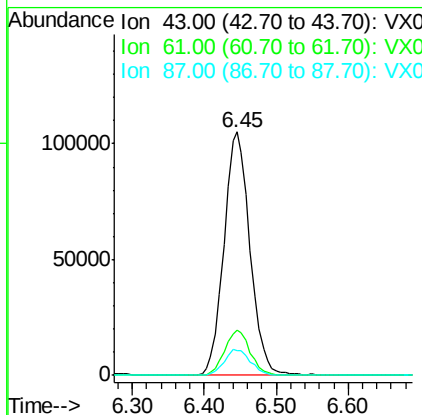
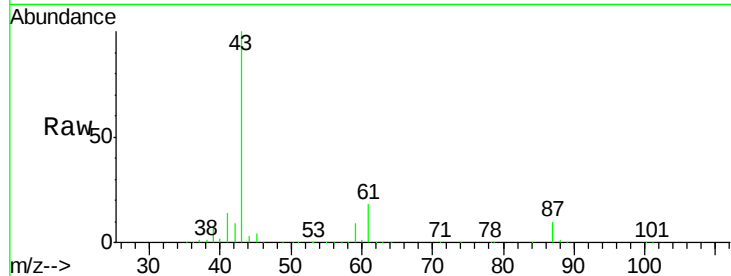
Isopropyl Acetate
 Concen: 54.582 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	10.9	9.0	13.6

Manual Integrations
 APPROVED

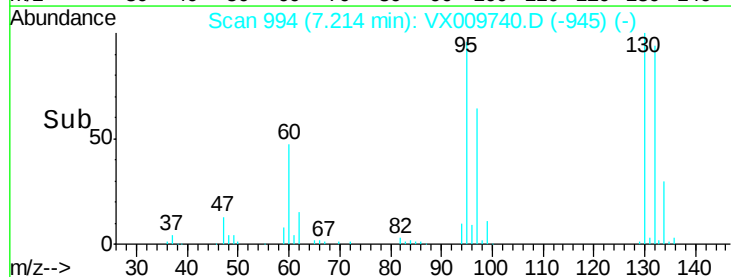
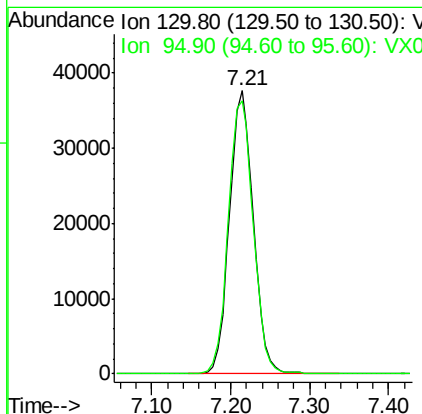
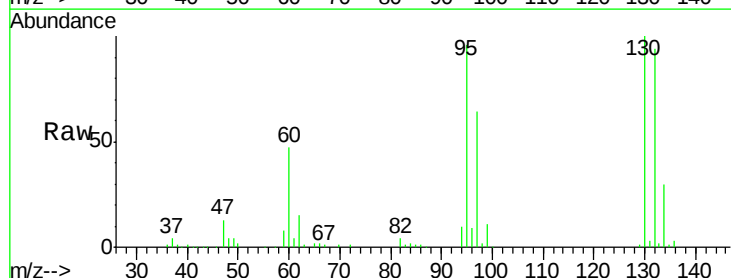
MMDadoda
 5/21/2019 9:13:57 AM

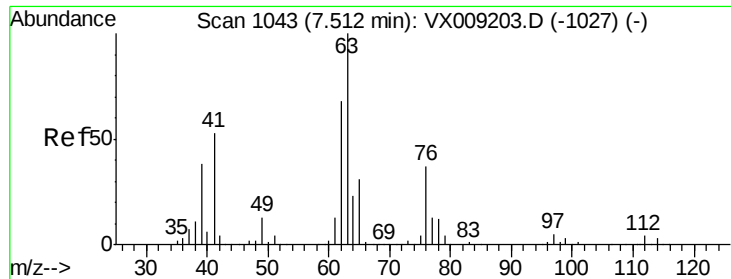


#44

Trichloroethene
 Concen: 49.422 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	199.2





#45

1,2-Dichloropropane

Concen: 52.108 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 98176

Ion Ratio Lower Upper

63 100

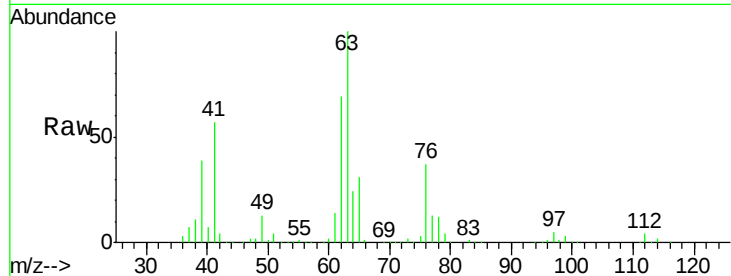
65 31.1 25.0 37.6

Manual Integrations

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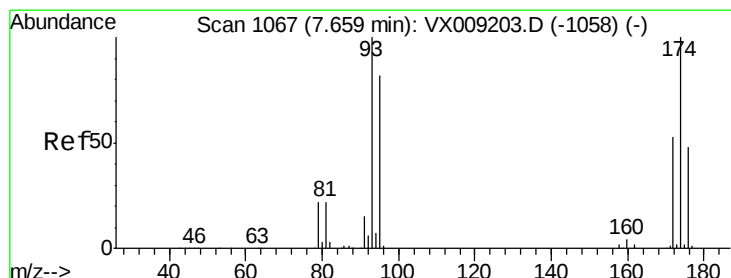
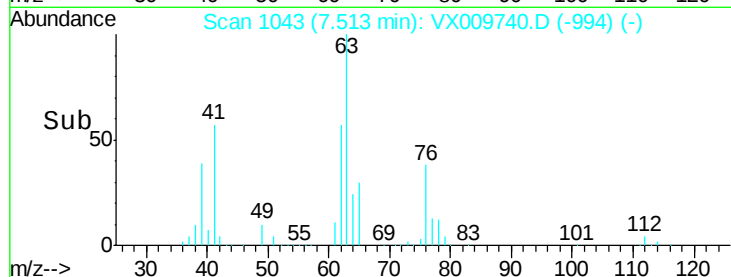
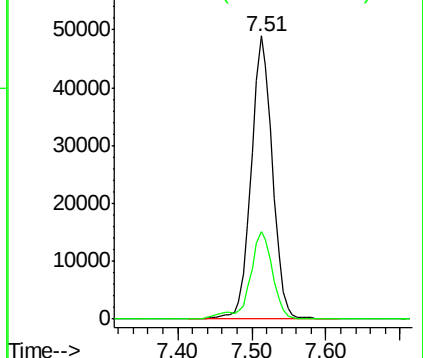
MMDadoda

5/21/2019 9:13:57 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.722 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

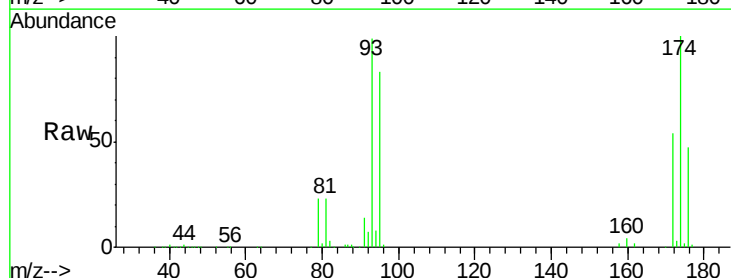
Tgt Ion: 93 Resp: 55495

Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

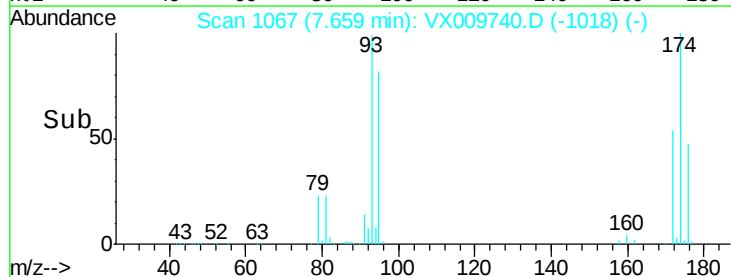
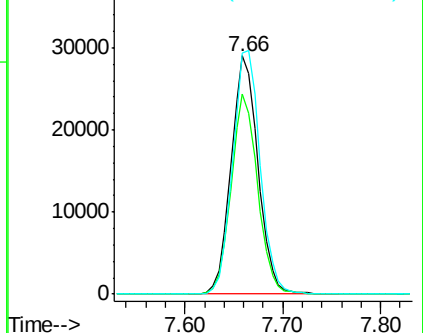
174 104.8 82.1 123.1

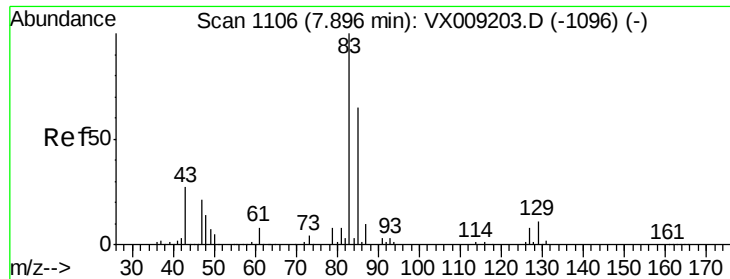


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.775 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

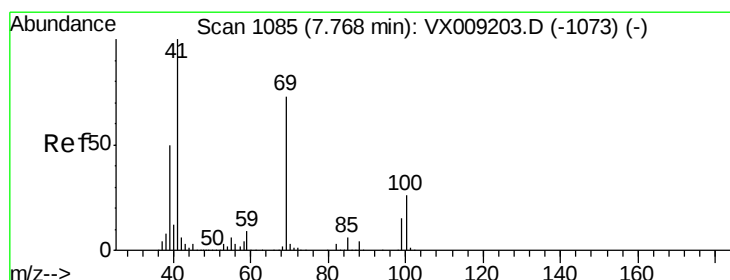
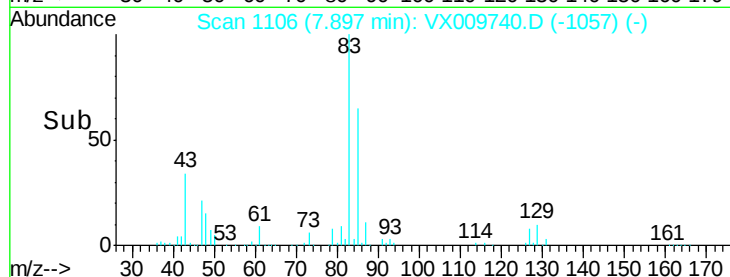
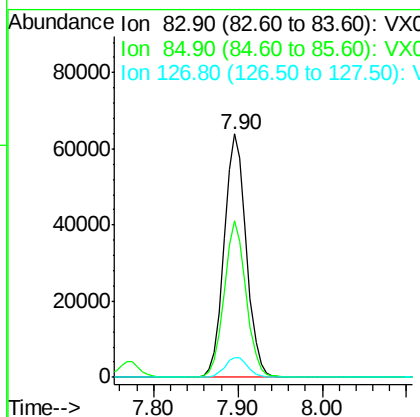
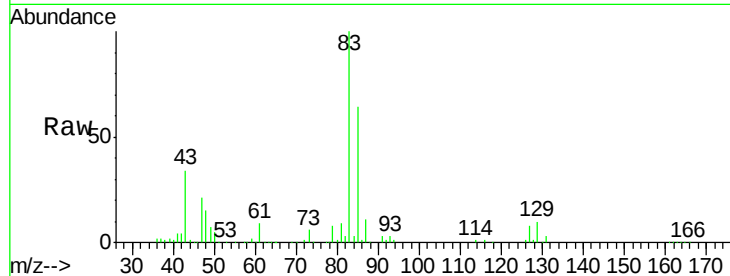
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115180
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
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MMDadoda
5/21/2019 9:13:57 AM



#48

Methyl methacrylate

Concen: 55.490 ug/l

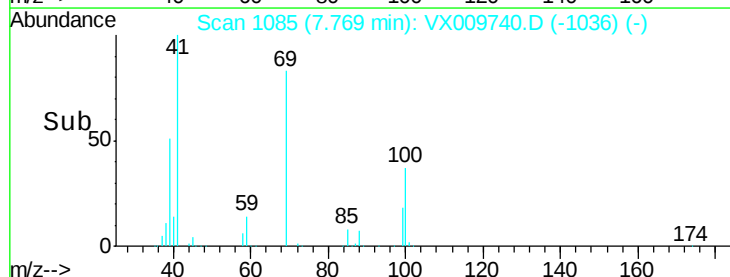
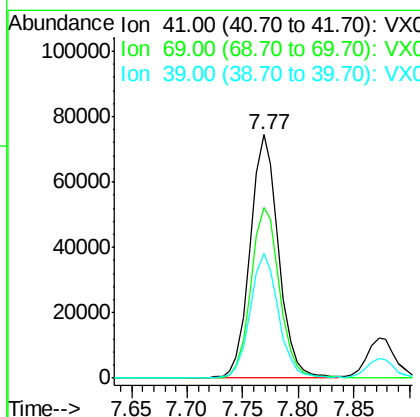
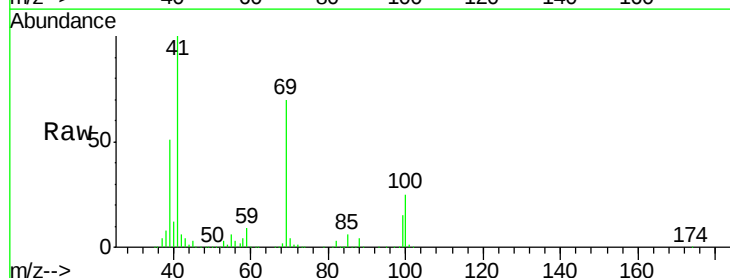
RT: 7.77 min Scan# 1085

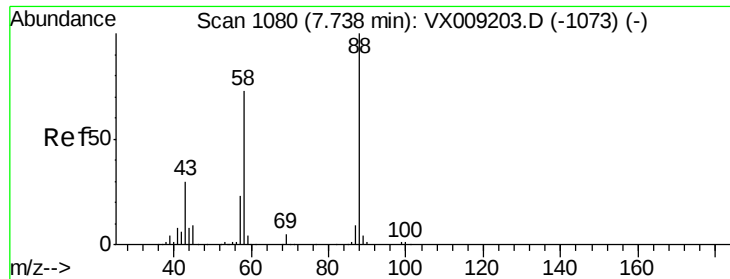
Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Tgt Ion:	41	Resp:	131911
Ion Ratio	Lower	Upper	
41	100		
69	71.4	59.1	88.7
39	50.8	40.4	60.6





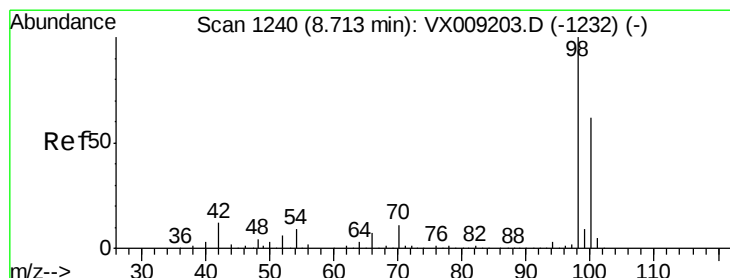
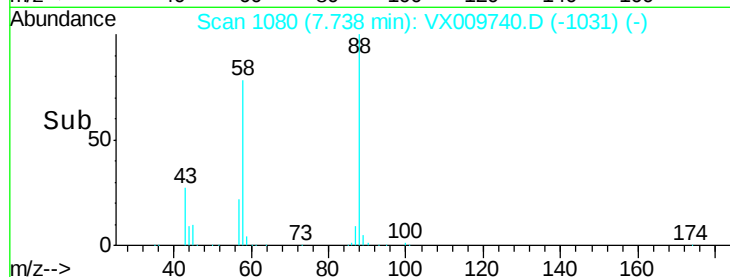
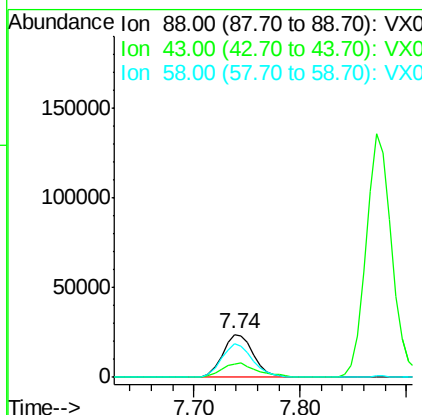
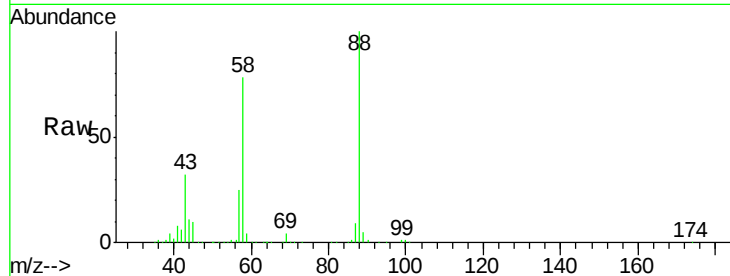
#49
1,4-Dioxane
Concen: 1011.127 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	48746
Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	42.8
58	78.6	61.7	92.5

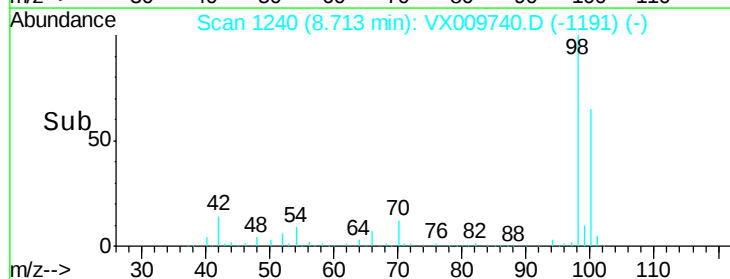
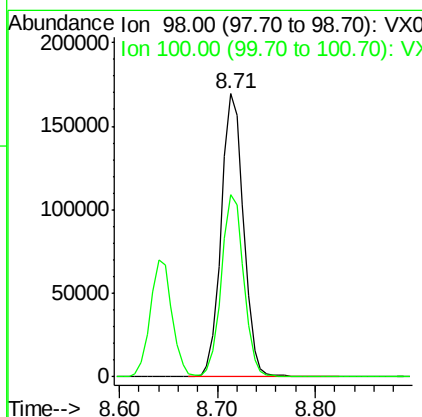
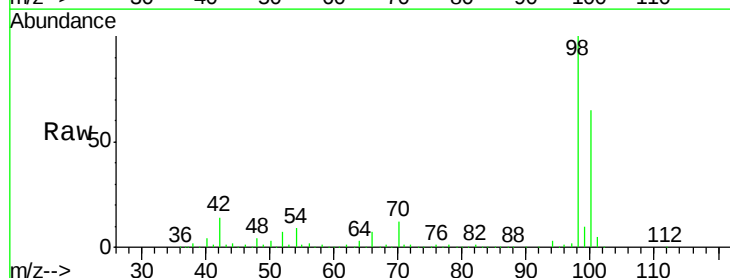
Manual Integrations
APPROVED

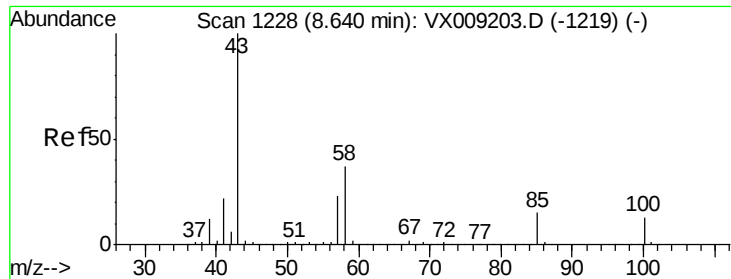
MMDadoda
5/21/2019 9:13:57 AM



#50
Toluene-d8
Concen: 45.795 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	98	Resp	268894
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





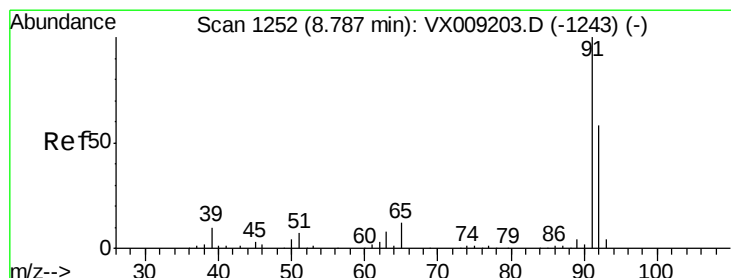
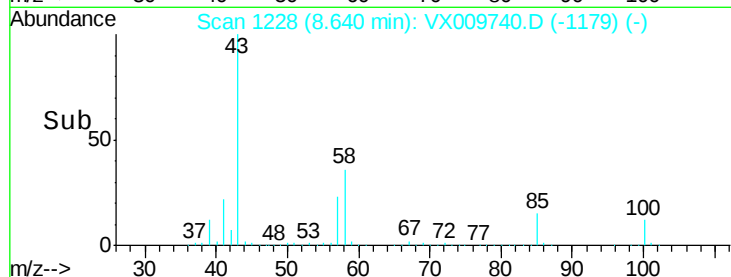
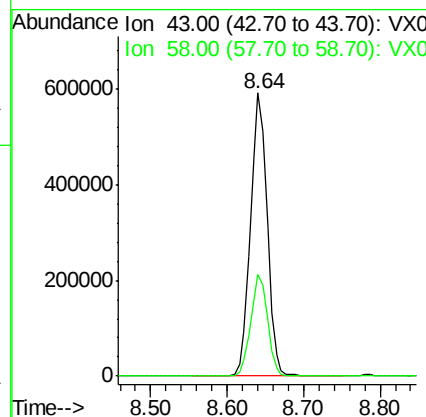
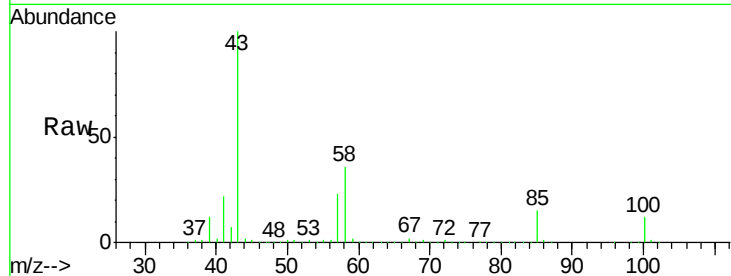
#51
4-Methyl-2-Pentanone
Concen: 286.349 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	36.0		29.5	44.3	

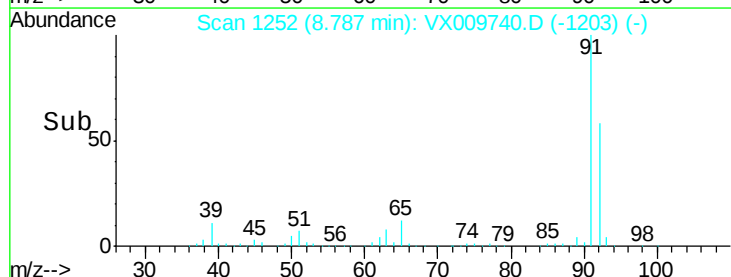
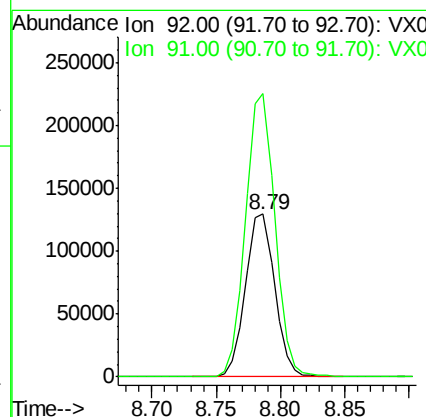
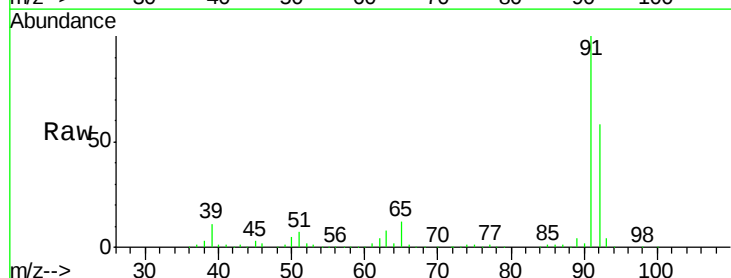
Manual Integrations
APPROVED

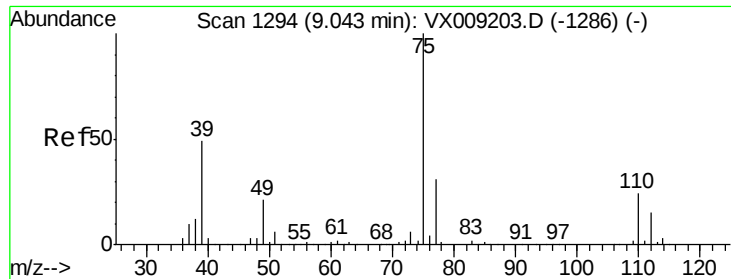
MMDadoda
5/21/2019 9:13:57 AM



#52
Toluene
Concen: 50.643 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	174.2		138.8	208.2	





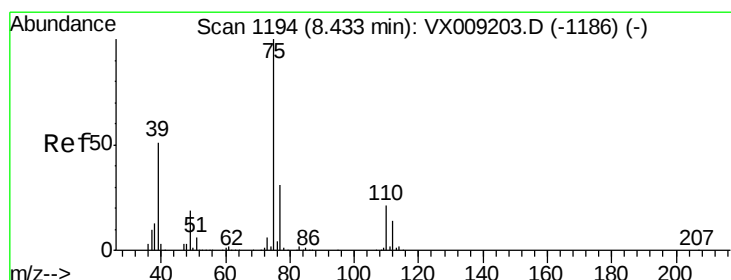
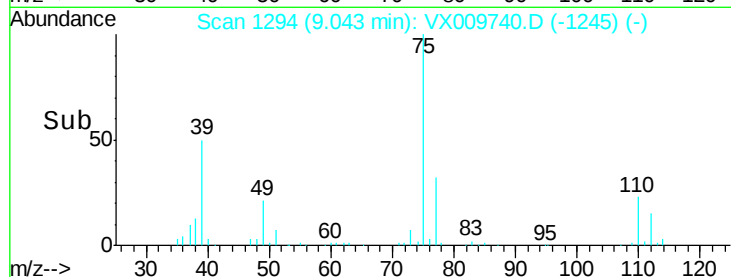
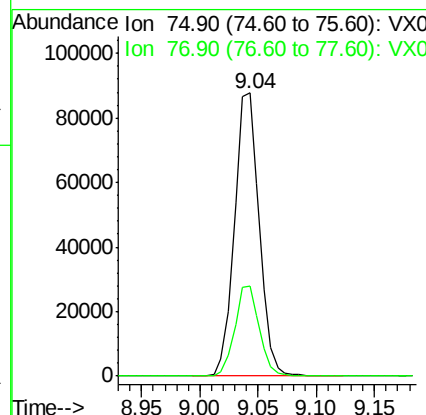
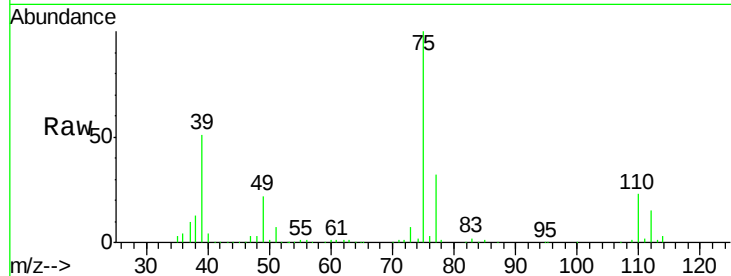
#53
t-1,3-Dichloropropene
Concen: 52.737 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

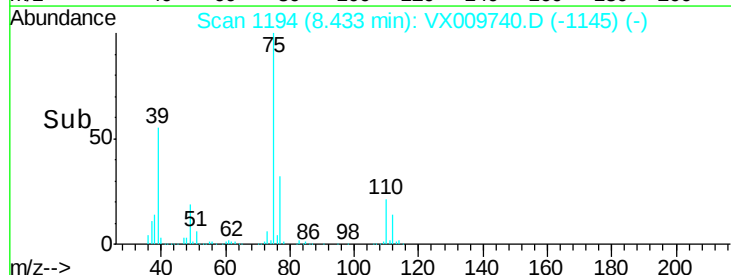
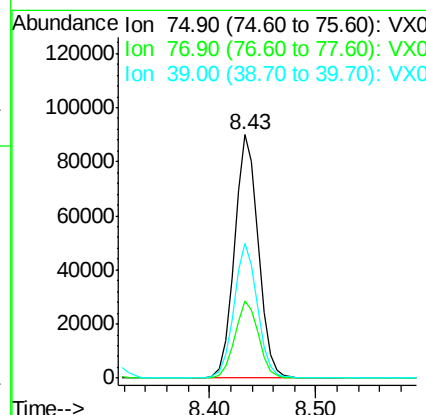
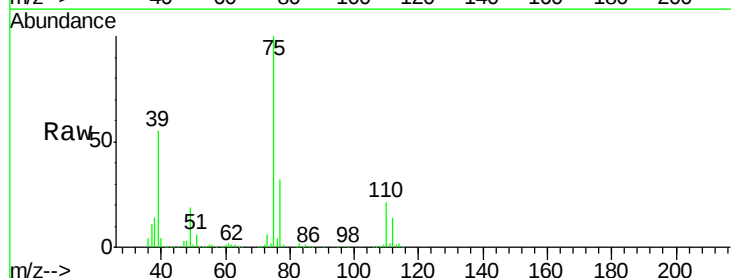
Manual Integrations
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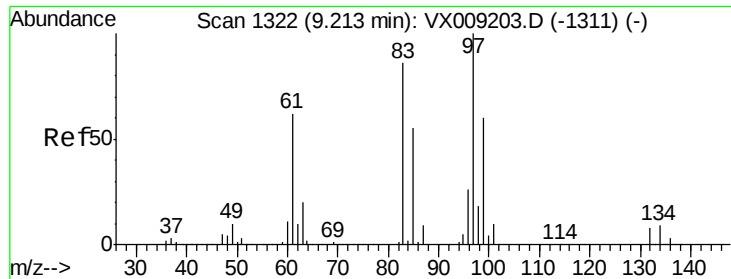
MMDadoda
5/21/2019 9:13:57 AM



#54
cis-1,3-Dichloropropene
Concen: 51.870 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	55.2	40.6	60.8





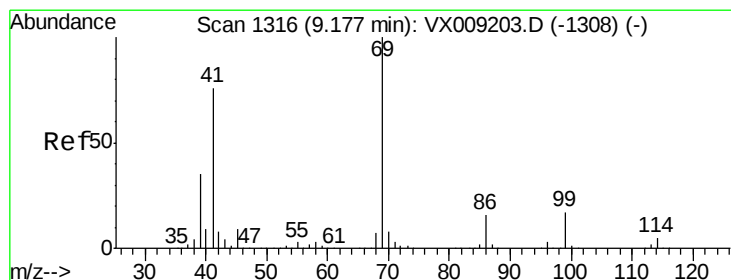
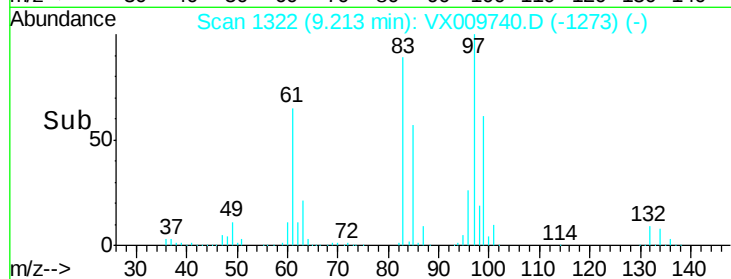
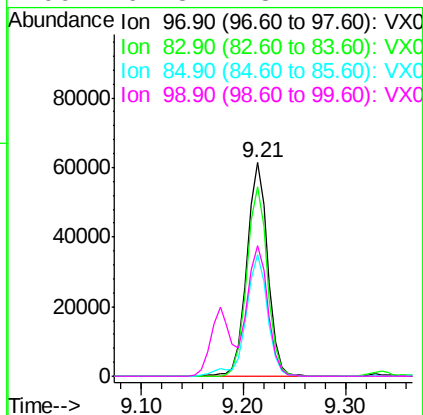
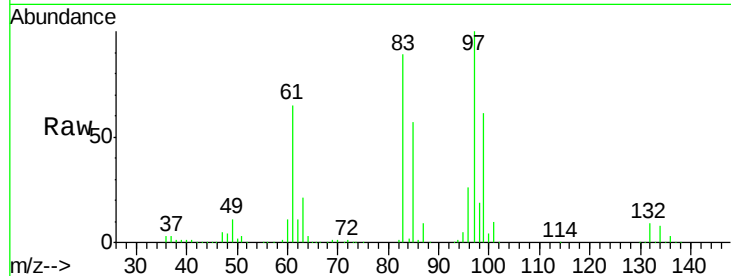
#55
 1,1,2-Trichloroethane
 Concen: 53.160 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	87720
Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.9	103.3
85	57.2	43.8	65.6
99	61.3	48.2	72.2

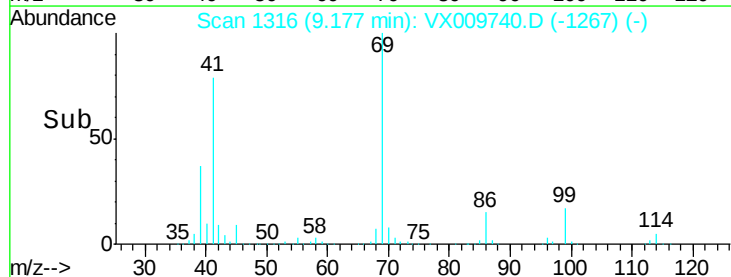
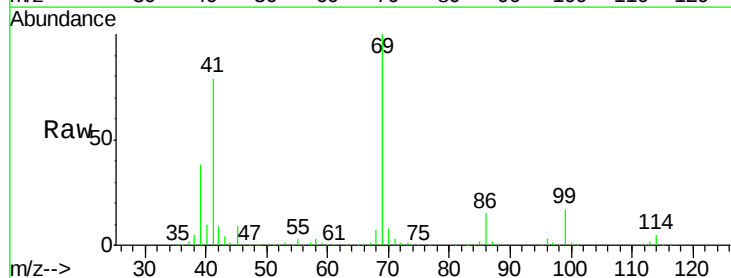
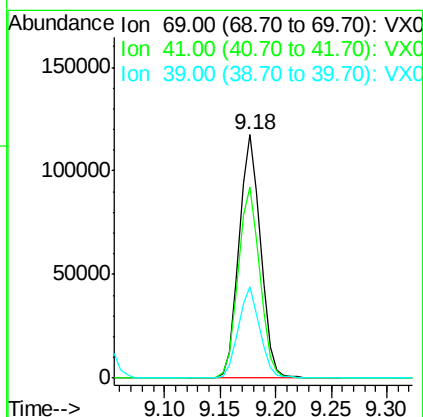
Manual Integrations
 APPROVED

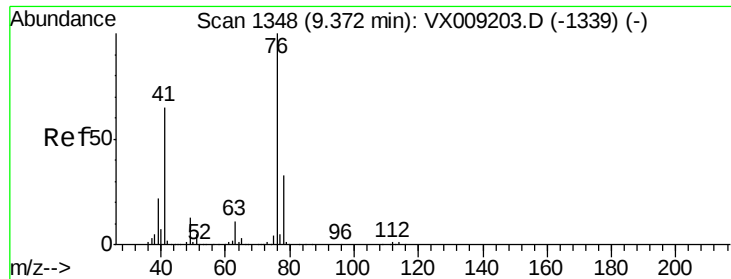
MMDadoda
 5/21/2019 9:13:57 AM



#56
 Ethyl methacrylate
 Concen: 53.696 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion:	69	Resp:	158163
Ion	Ratio	Lower	Upper
69	100		
41	78.8	60.6	90.8
39	36.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 52.366 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 152059

Ion Ratio Lower Upper

76 100

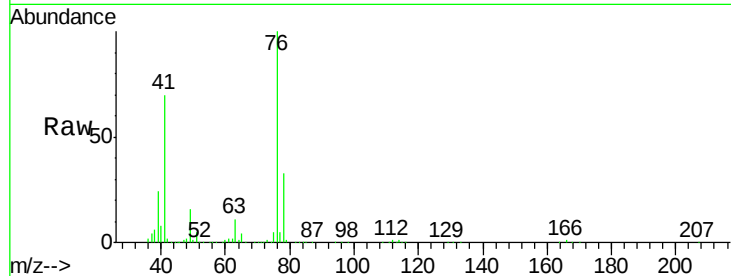
78 32.4 25.5 38.3

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

120000

100000

80000

60000

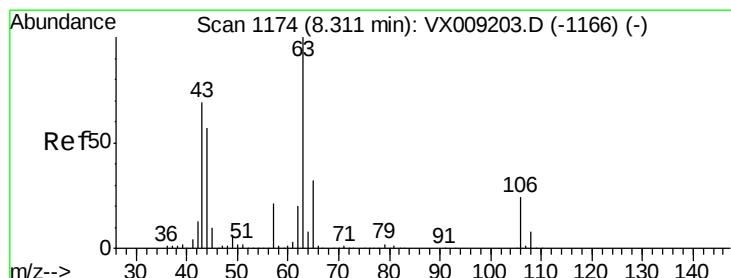
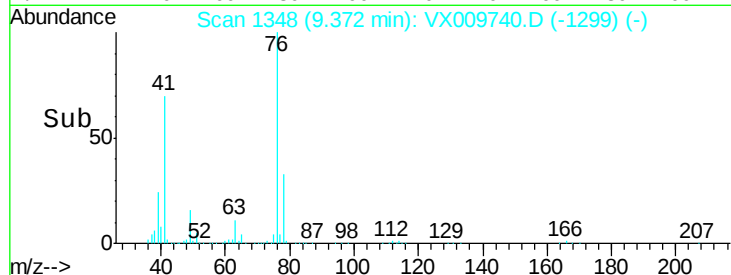
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 218.925 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009740.D

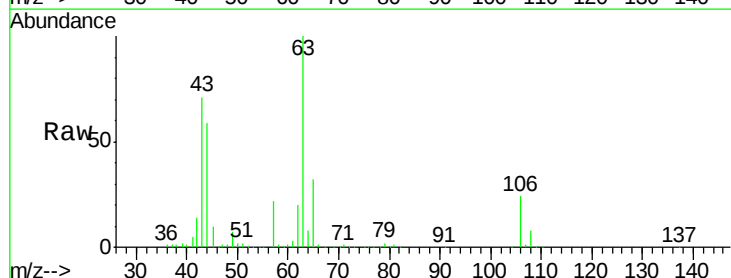
Acq: 20 May 2019 20:44

Tgt Ion: 63 Resp: 342093

Ion Ratio Lower Upper

63 100

106 24.5 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

250000

200000

150000

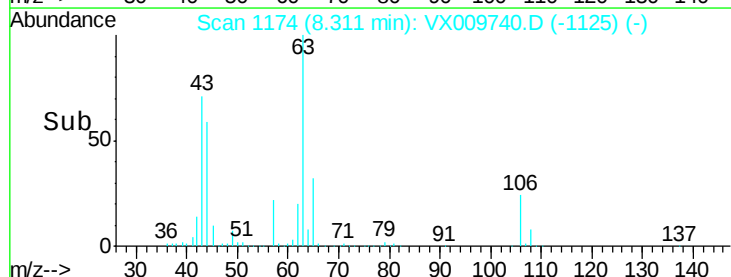
100000

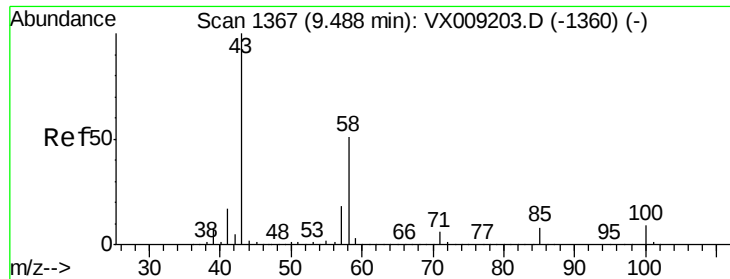
50000

0

8.20 8.30 8.40

Time-->





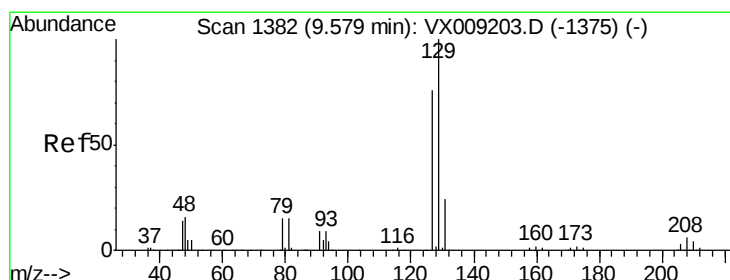
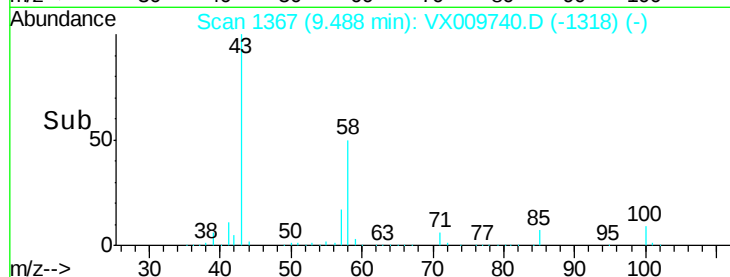
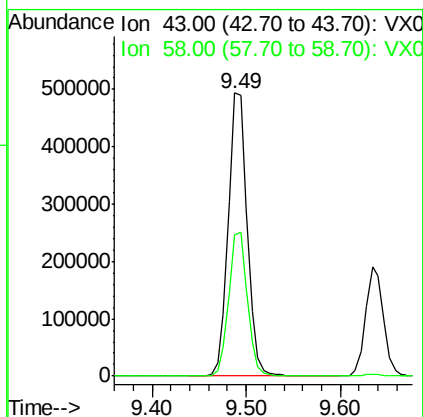
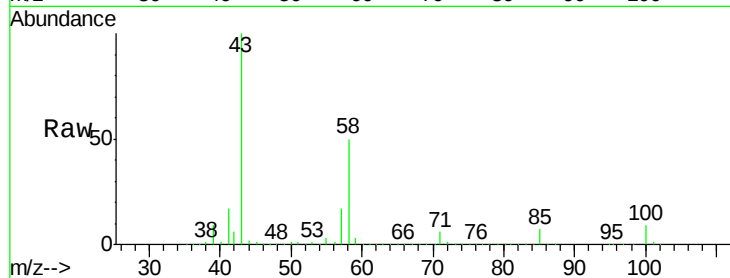
#59
2-Hexanone
Concen: 280.363 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 689617
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7

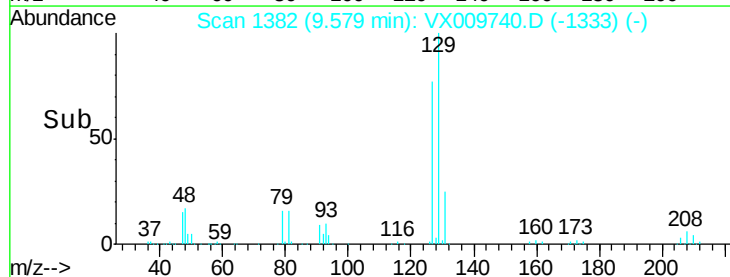
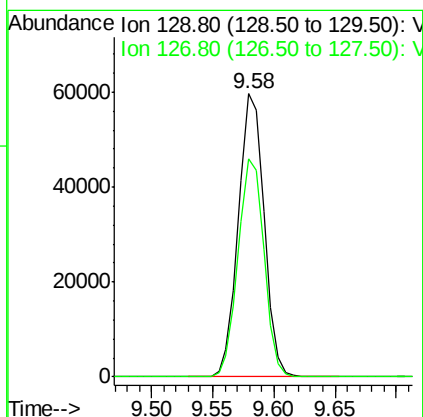
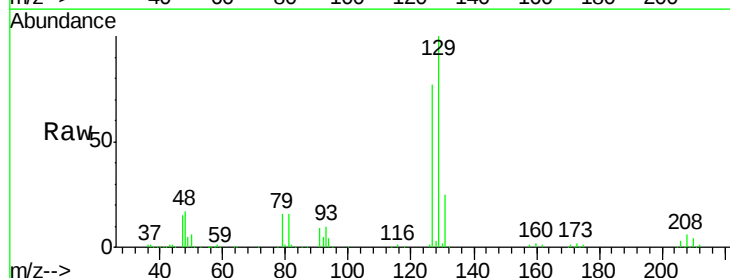
Manual Integrations
APPROVED

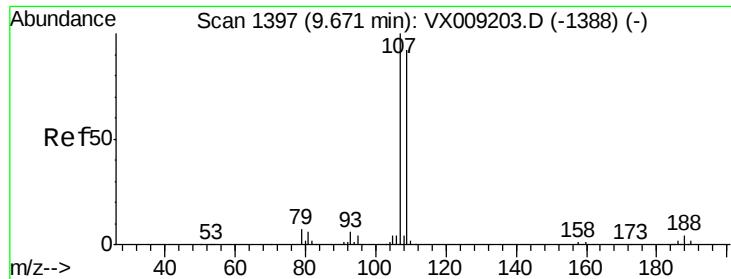
MMDadoda
5/21/2019 9:13:57 AM



#60
Dibromochloromethane
Concen: 53.957 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion: 129 Resp: 86960
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.207 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 86961

Ion Ratio Lower Upper

107 100

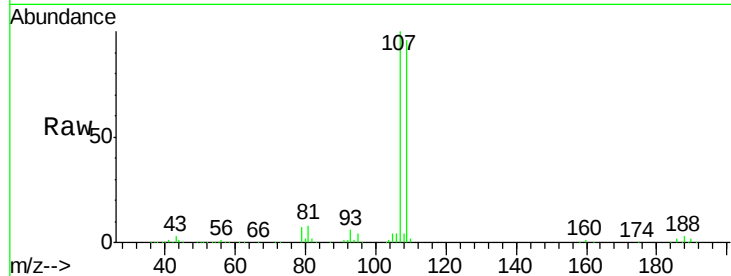
109 94.7 75.2 112.8

Manual Integrations

APPROVED

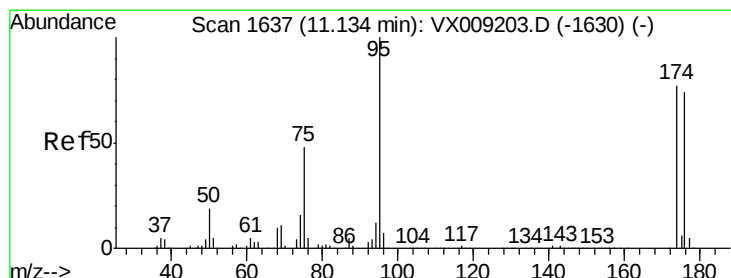
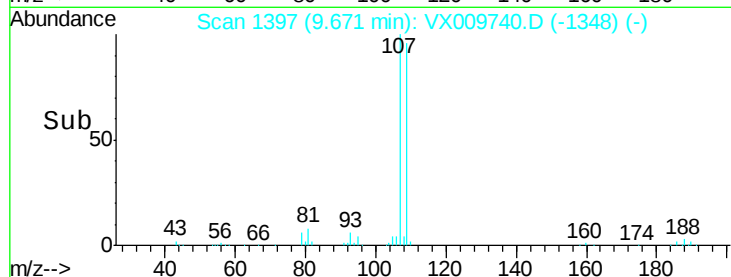
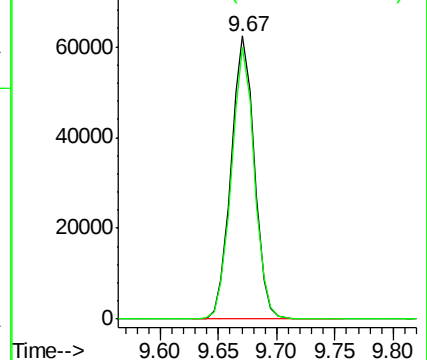
MMDadoda

5/21/2019 9:13:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.678 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

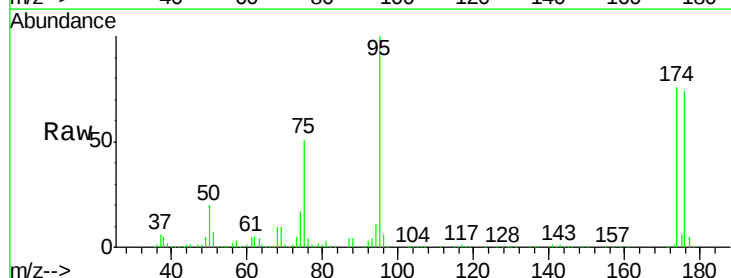
Tgt Ion: 95 Resp: 103857

Ion Ratio Lower Upper

95 100

174 79.5 0.0 161.6

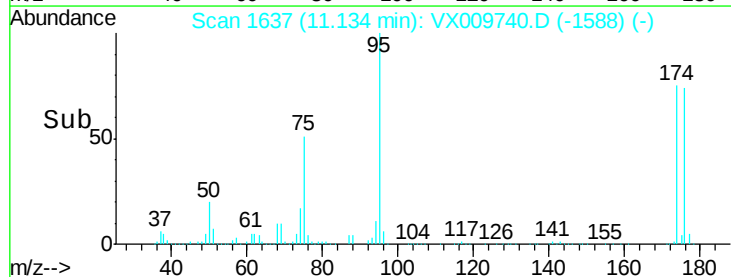
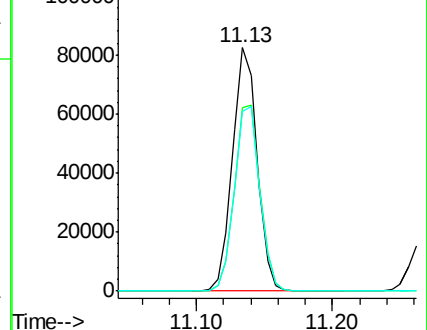
176 78.3 0.0 159.2

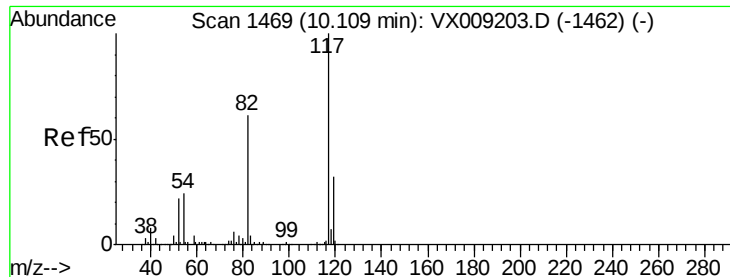


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





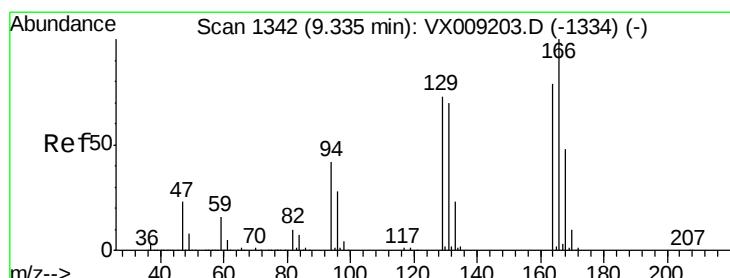
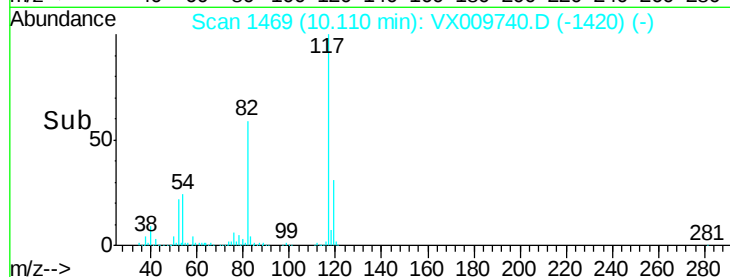
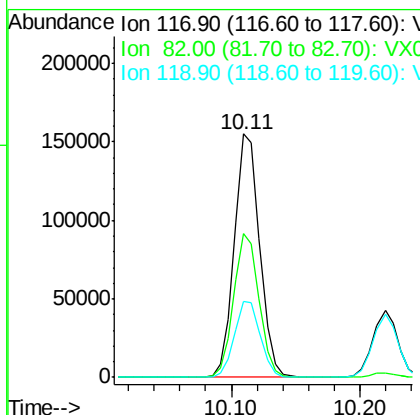
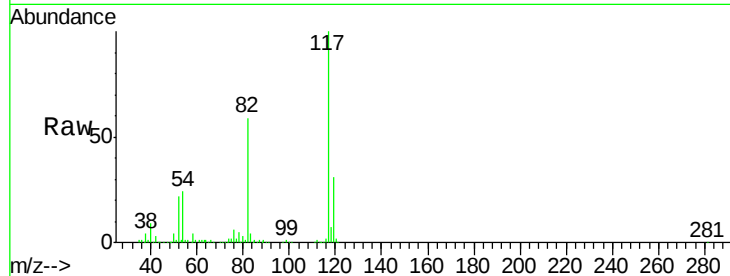
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	213789		
82	59.2	48.8	73.2	
119	31.2	25.8	38.6	

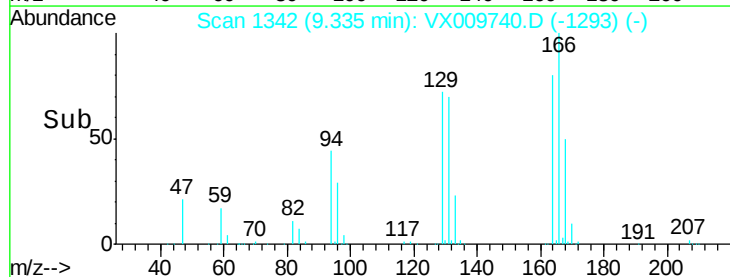
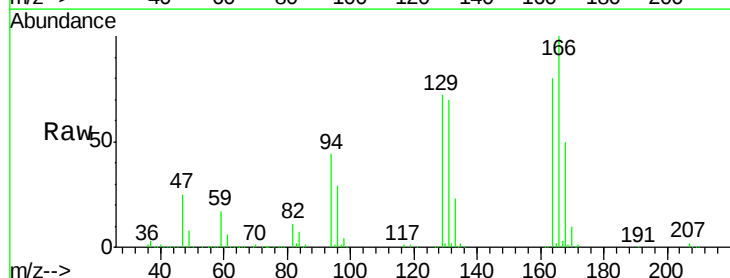
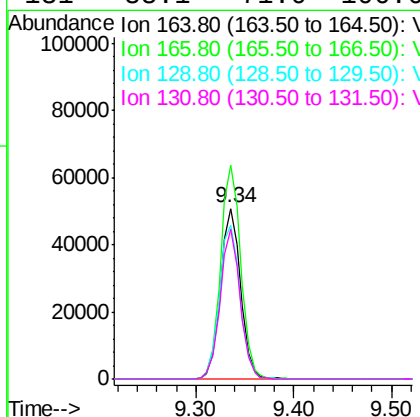
Manual Integrations
APPROVED

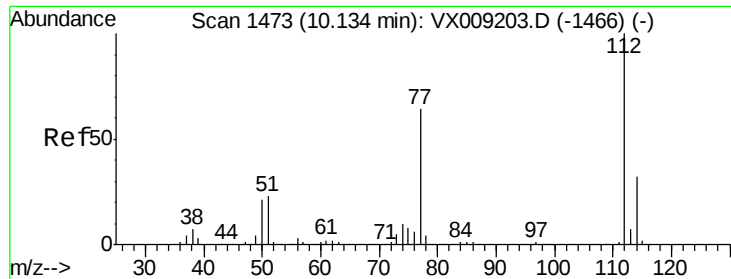
MMDadoda
5/21/2019 9:13:57 AM



#64
Tetrachloroethene
Concen: 49.296 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72292		
166	125.1	101.2	151.8	
129	90.4	74.3	111.5	
131	88.1	71.0	106.6	





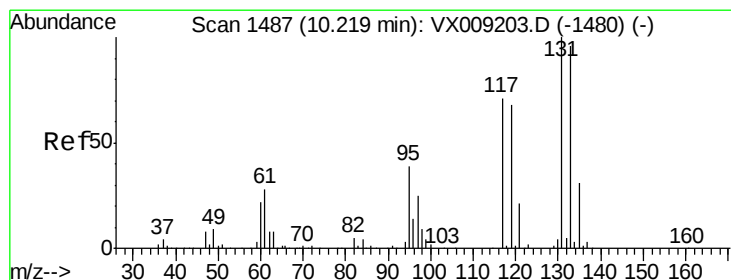
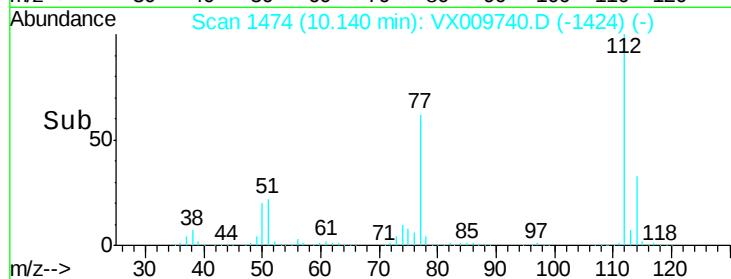
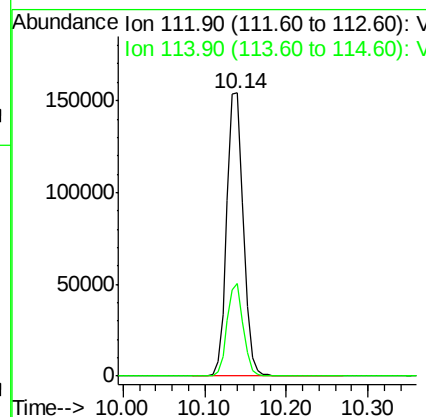
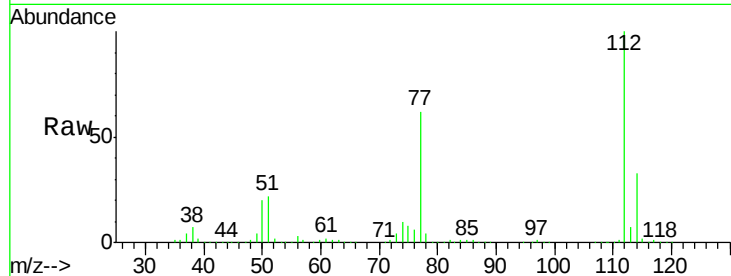
#65
Chlorobenzene
Concen: 50.954 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 217918
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3

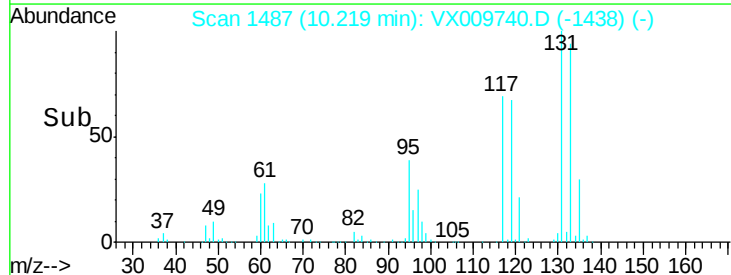
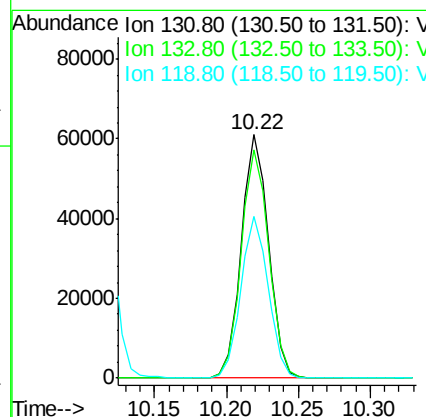
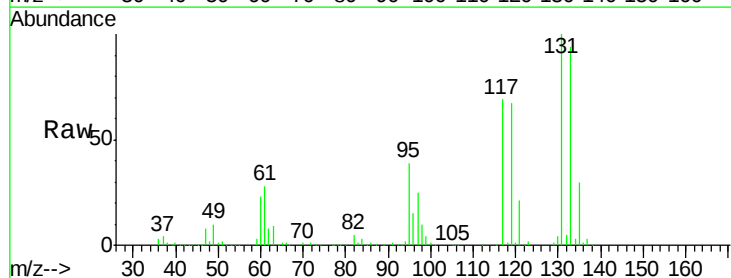
Manual Integrations
APPROVED

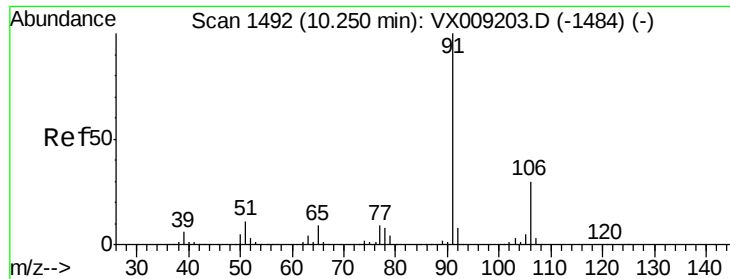
MMDadoda
5/21/2019 9:13:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.736 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion:131 Resp: 80217
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 67.0 33.5 100.4





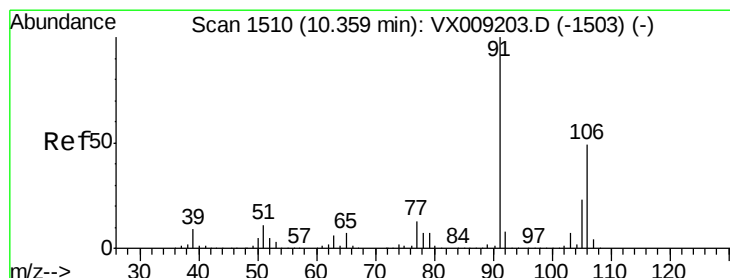
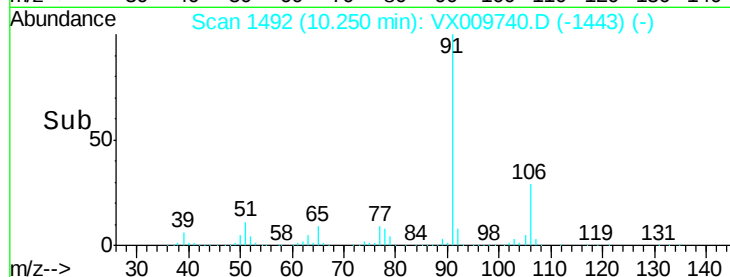
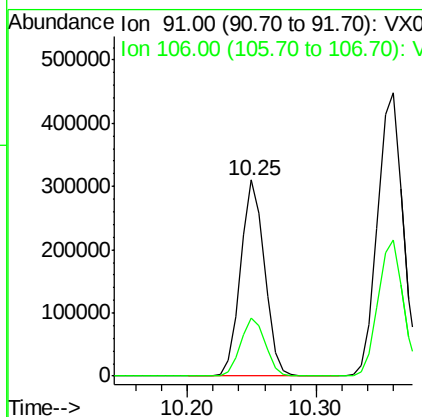
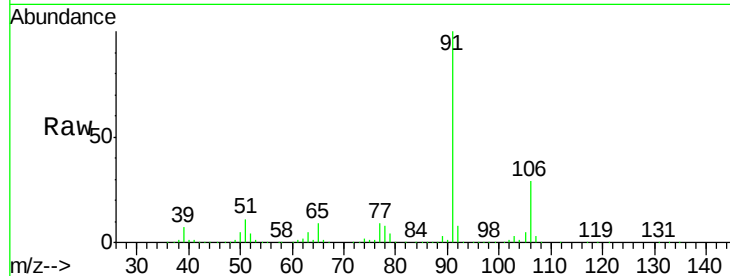
#67
Ethyl Benzene
Concen: 50.691 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 398978
Ion Ratio Lower Upper
91 100
106 29.4 24.0 36.0

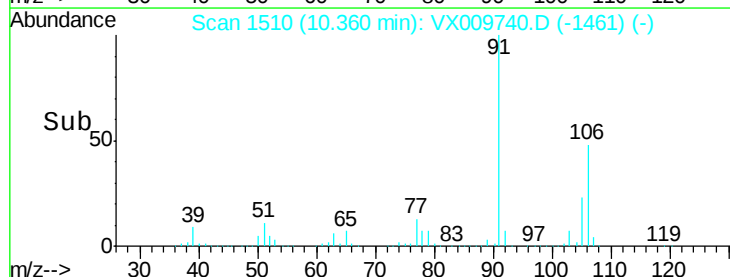
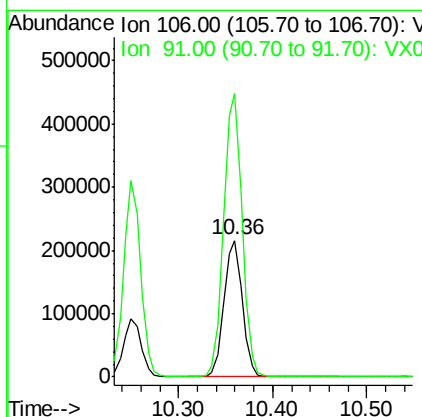
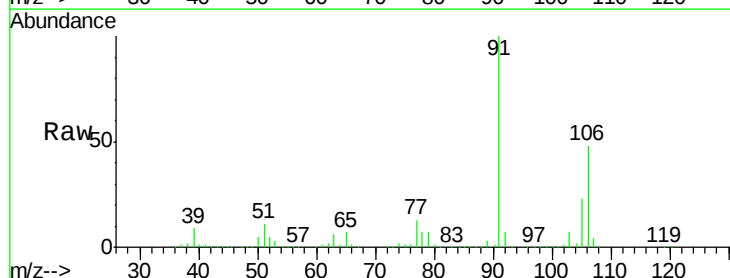
Manual Integrations
APPROVED

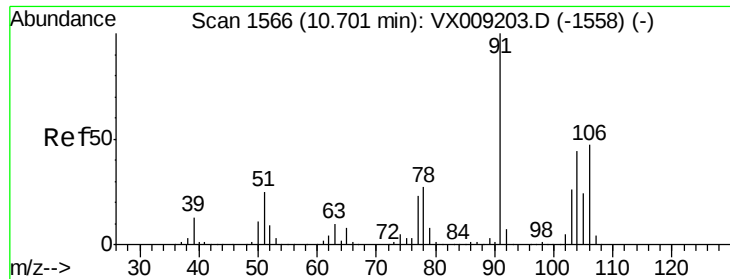
MMDadoda
5/21/2019 9:13:57 AM



#68
m/p-Xylenes
Concen: 100.871 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion: 106 Resp: 290129
Ion Ratio Lower Upper
106 100
91 209.4 164.0 246.0





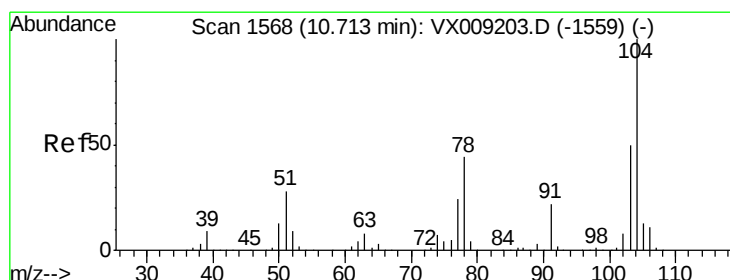
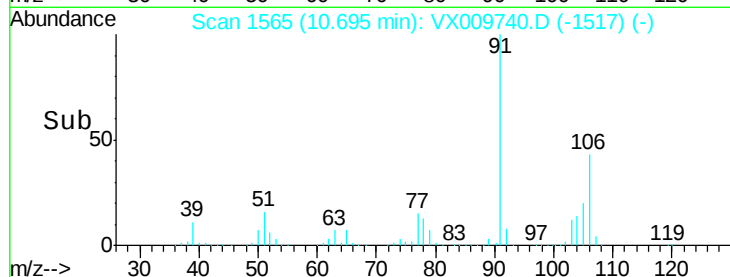
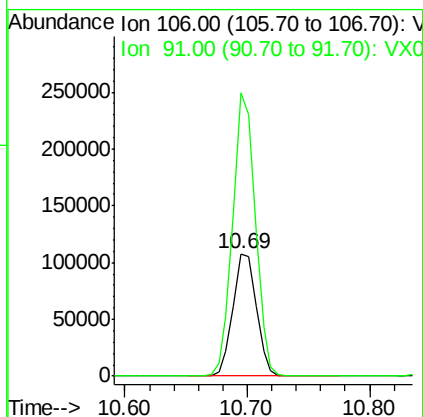
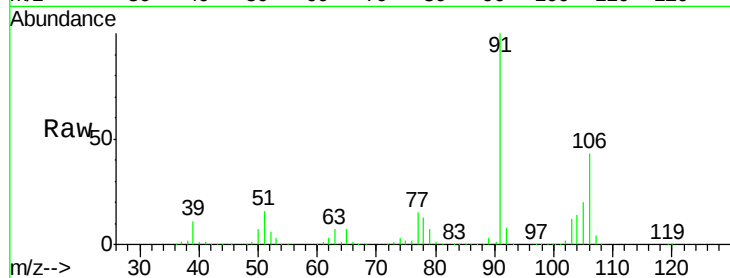
#69
o-Xylene
Concen: 50.455 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 143184
Ion Ratio Lower Upper
106 100
91 221.9 109.5 328.4

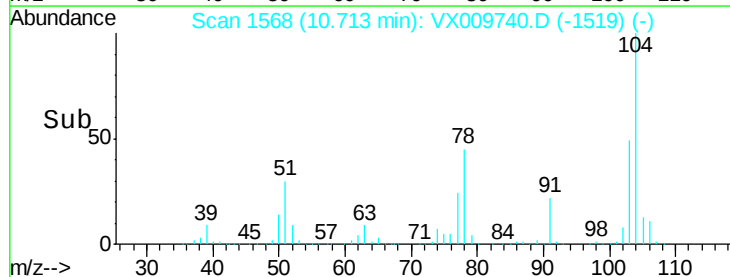
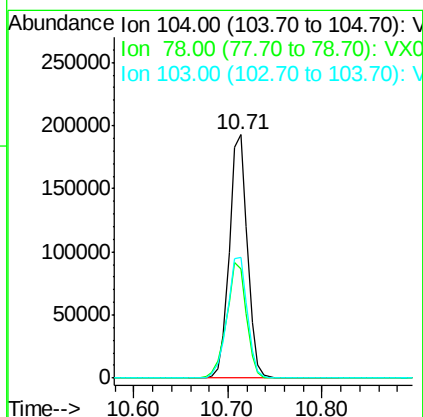
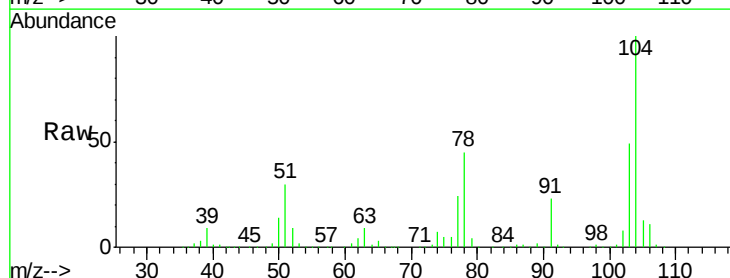
Manual Integrations
APPROVED

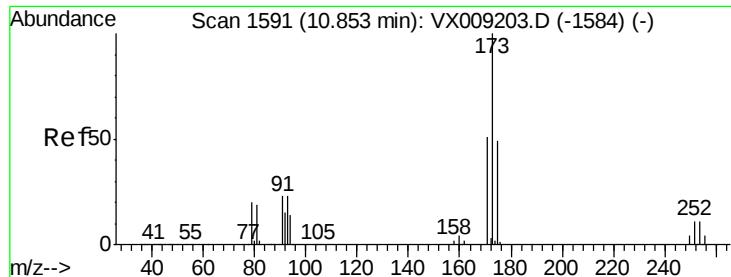
MMDadoda
5/21/2019 9:13:57 AM



#70
Styrene
Concen: 51.908 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion:104 Resp: 256031
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 55.1 43.8 65.6





#71

Bromoform

Concen: 53.727 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 67697

Ion Ratio Lower Upper

173 100

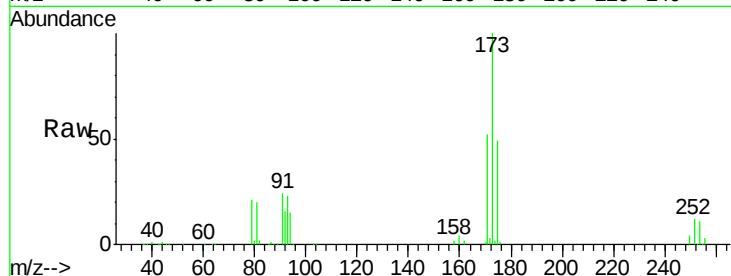
175 48.4 24.5 73.5

254 0.2 0.1 0.1#

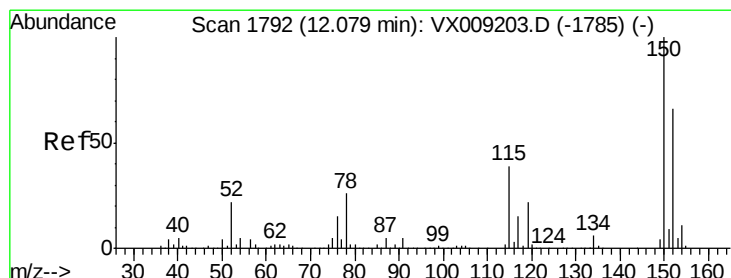
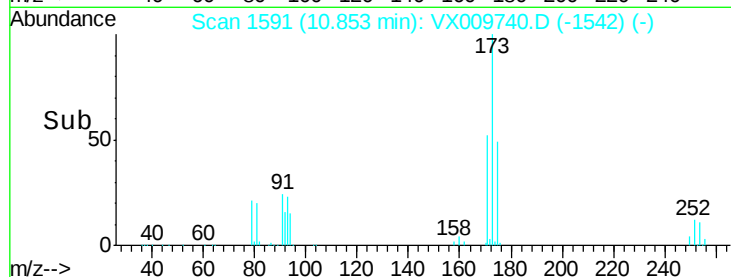
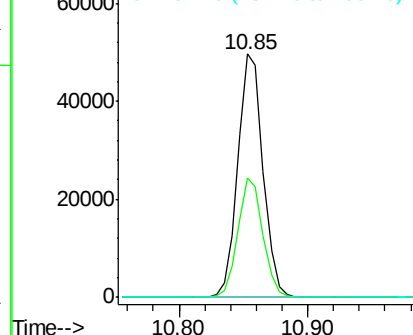
Manual Integrations
APPROVED

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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: VX009740.D

Acq: 20 May 2019 20:44

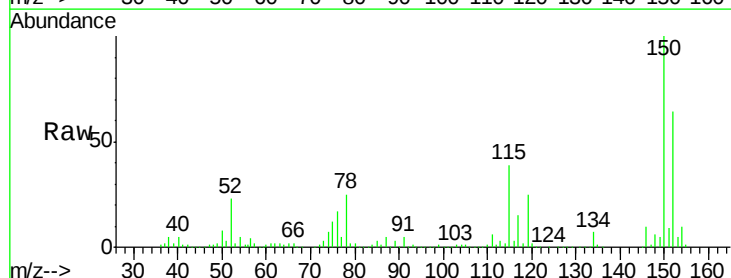
Tgt Ion:152 Resp: 108463

Ion Ratio Lower Upper

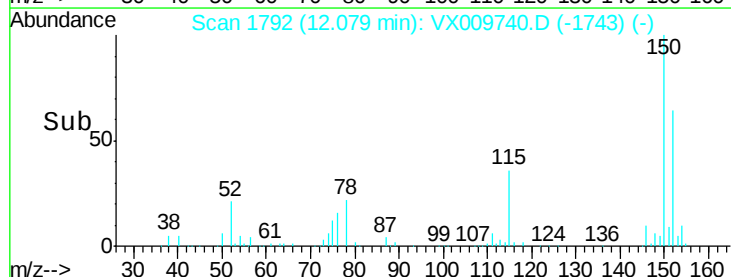
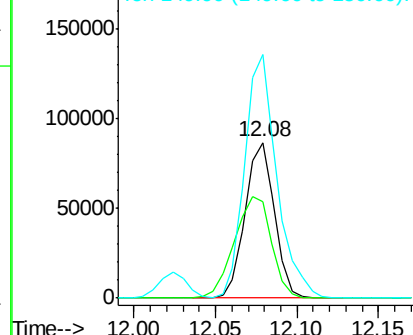
152 100

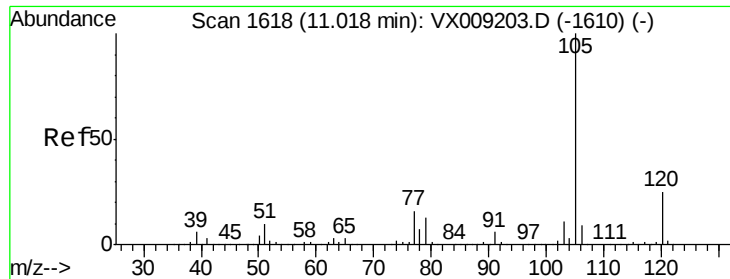
115 82.4 41.2 123.6

150 172.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.779 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 384732

Ion Ratio Lower Upper

105 100

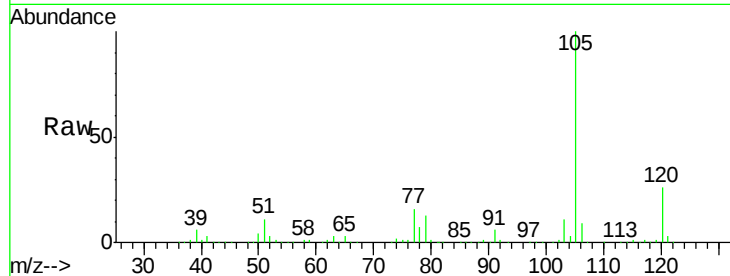
120 25.7 12.8 38.3

Manual Integrations

APPROVED

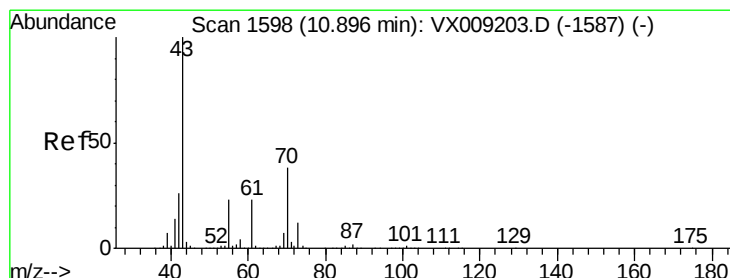
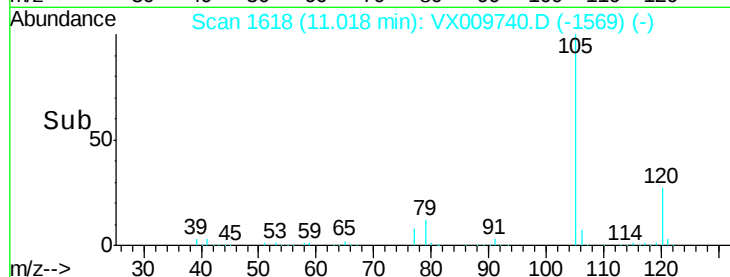
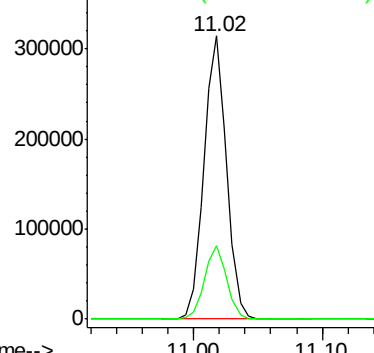
MMDadoda

5/21/2019 9:13:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.026 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Tgt Ion: 43 Resp: 239234

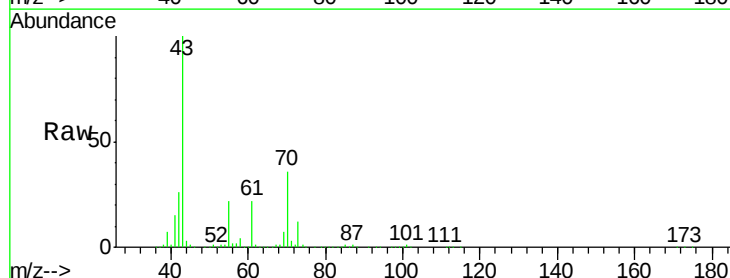
Ion Ratio Lower Upper

43 100

70 36.5 30.0 45.0

55 22.7 17.9 26.9

61 22.0 18.4 27.6

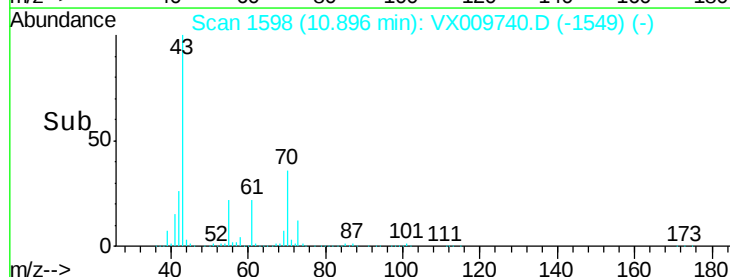
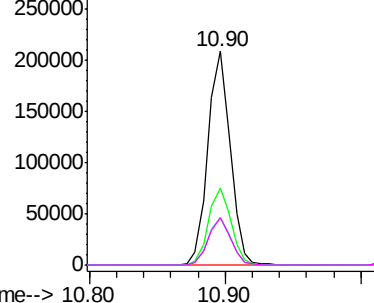


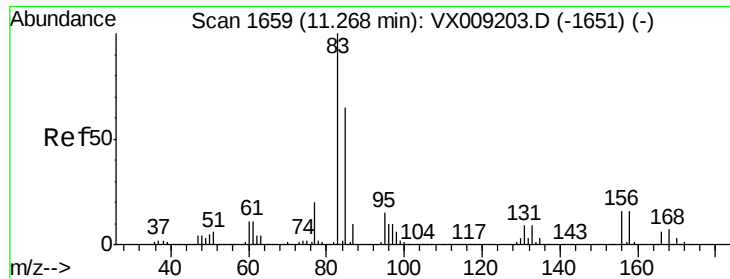
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.717 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

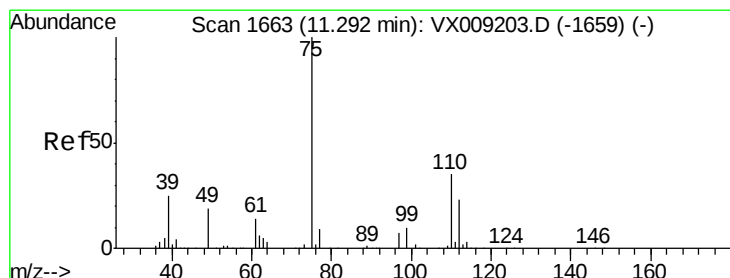
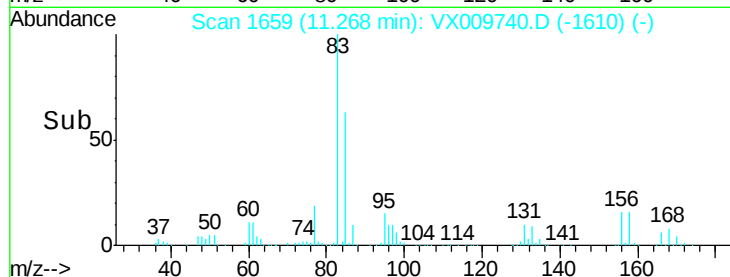
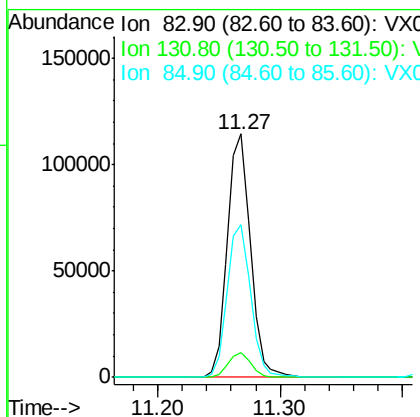
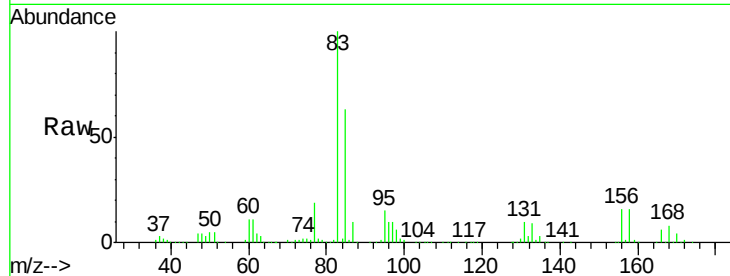
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149121
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.6	13.8
85	64.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 51.484 ug/l m

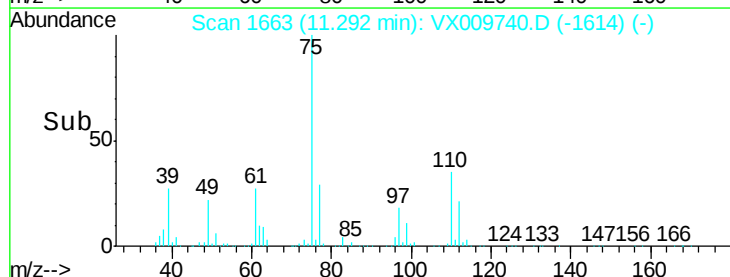
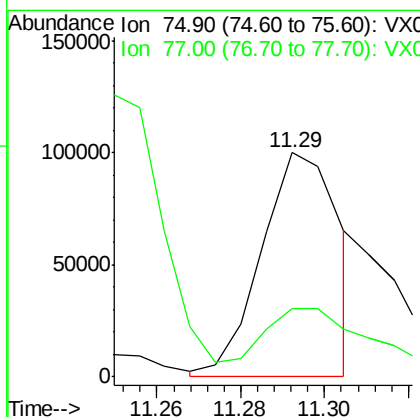
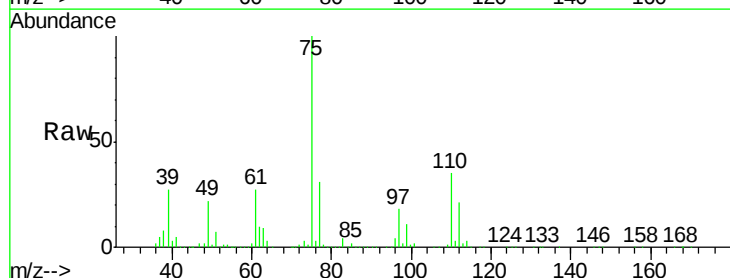
RT: 11.29 min Scan# 1663

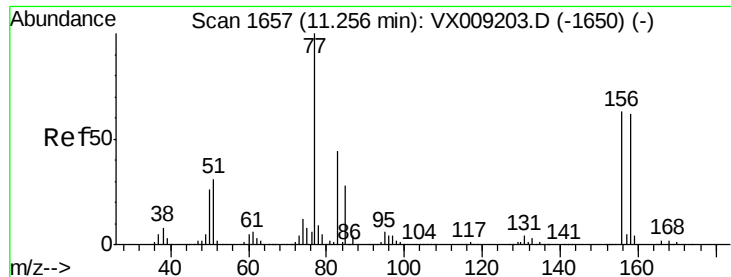
Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Tgt Ion:	75	Resp:	129531
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.1	66.1





#77

Bromobenzene

Concen: 49.584 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 97068

Ion Ratio Lower Upper

156 100

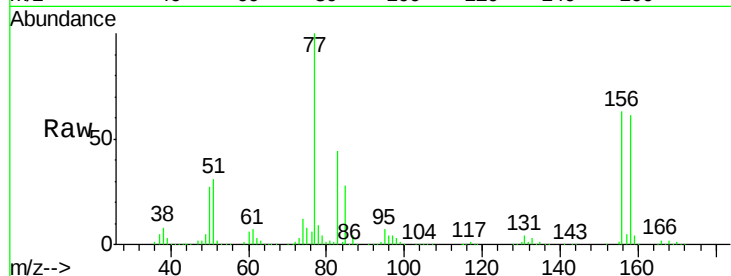
77 170.0 84.8 254.3

158 97.7 49.1 147.3

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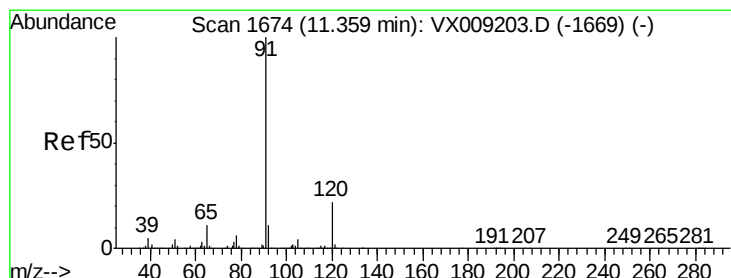
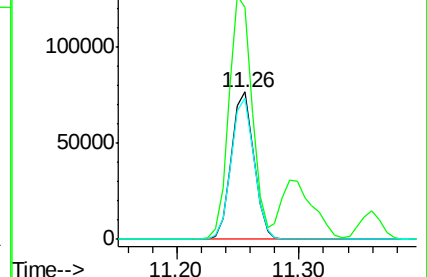
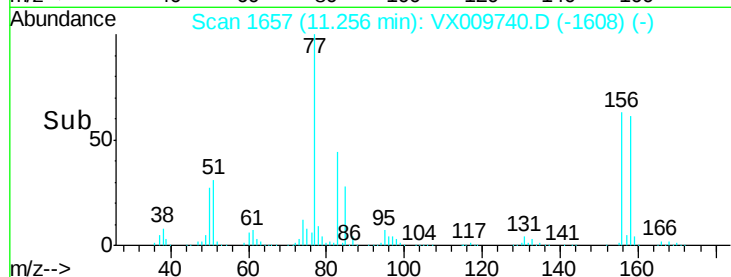
5/21/2019 9:13:57 AM



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



#78

n-propylbenzene

Concen: 49.485 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009740.D

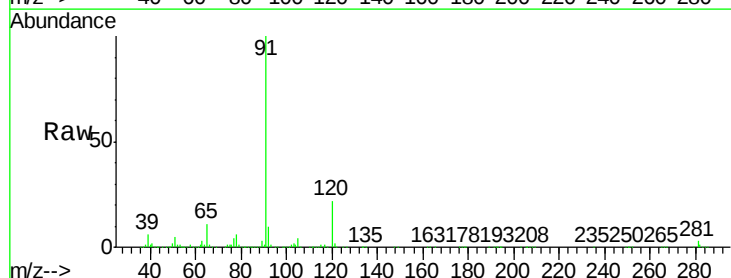
Acq: 20 May 2019 20:44

Tgt Ion: 91 Resp: 445746

Ion Ratio Lower Upper

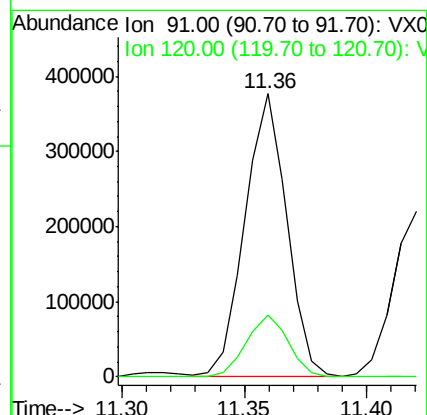
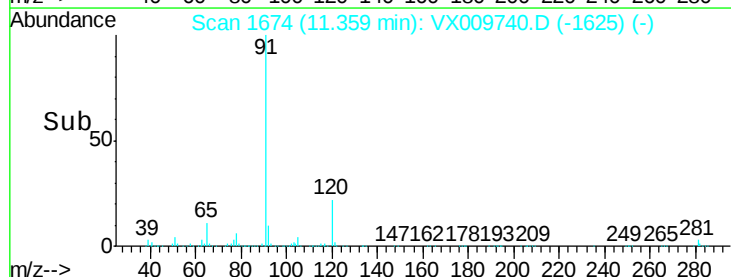
91 100

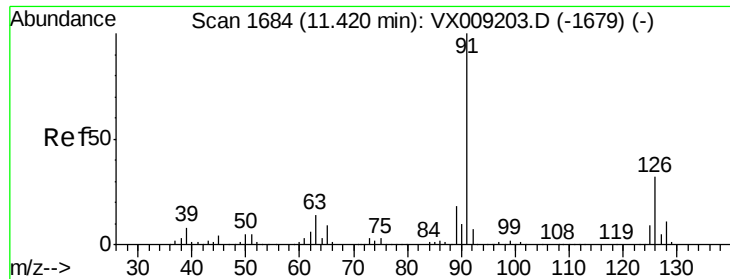
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





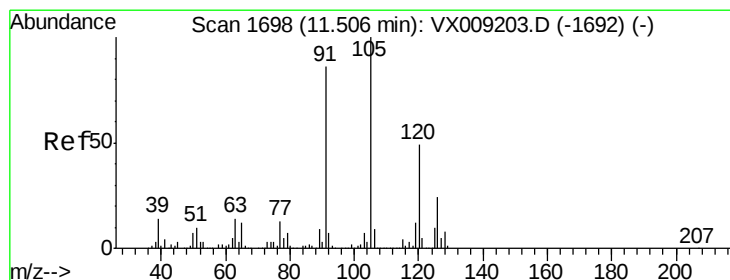
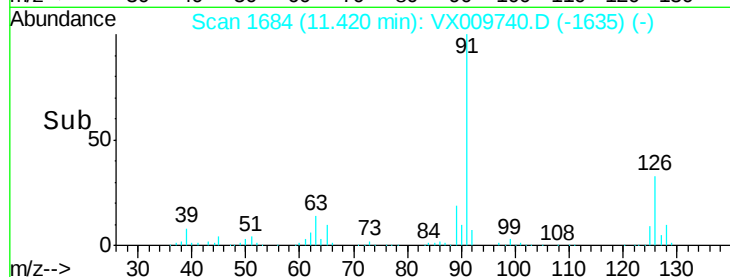
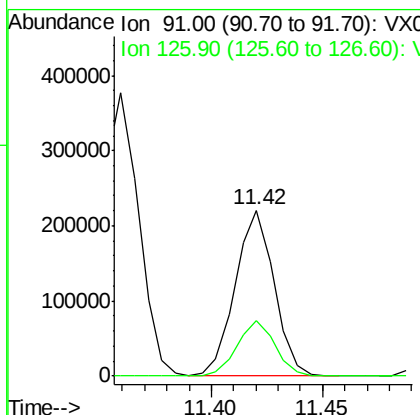
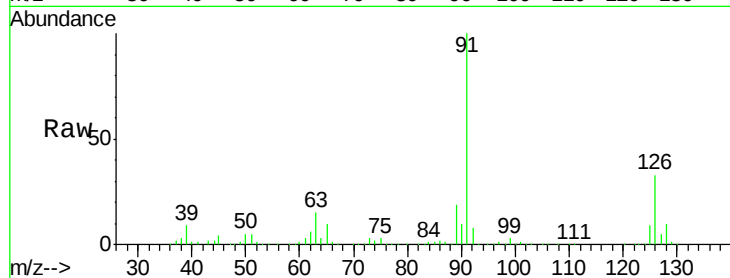
#79
 2-Chlorotoluene
 Concen: 48.146 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 267561
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.3 48.9

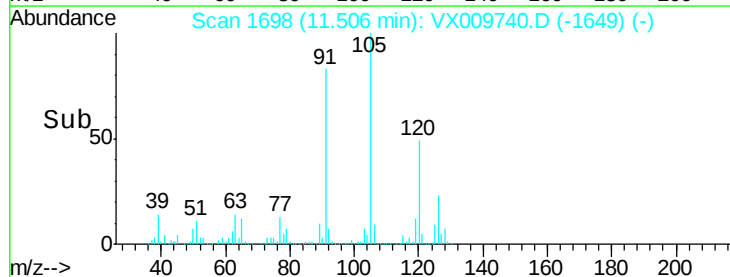
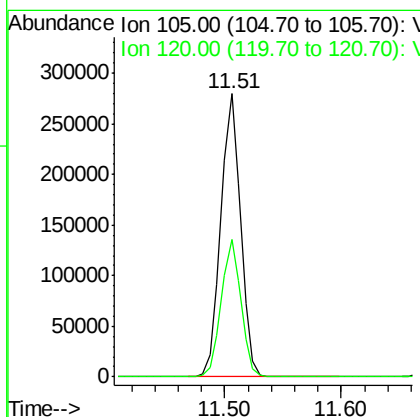
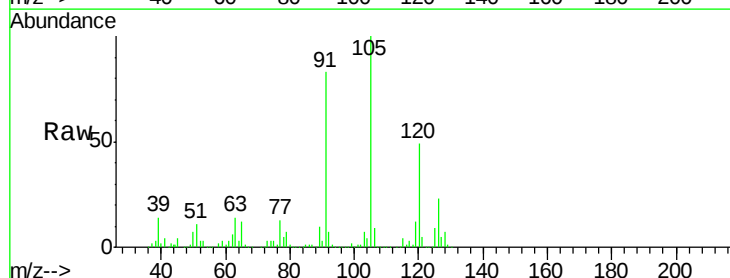
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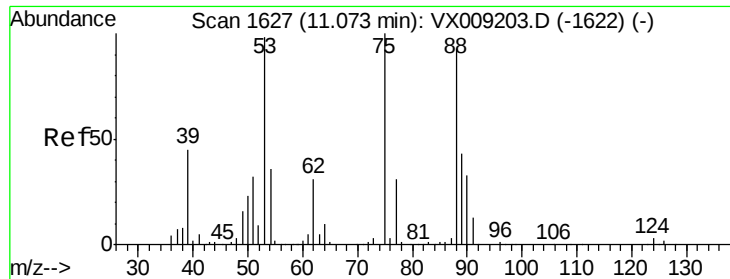
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.392 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion: 105 Resp: 328018
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.956 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 48139

Ion Ratio Lower Upper

75 100

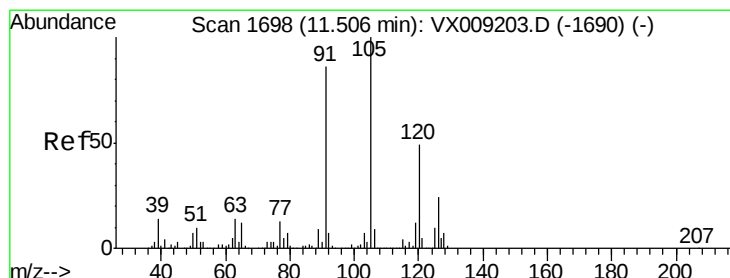
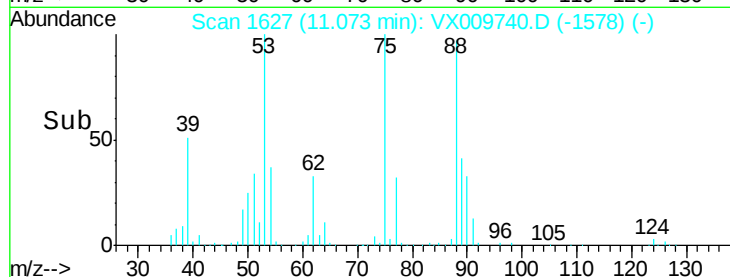
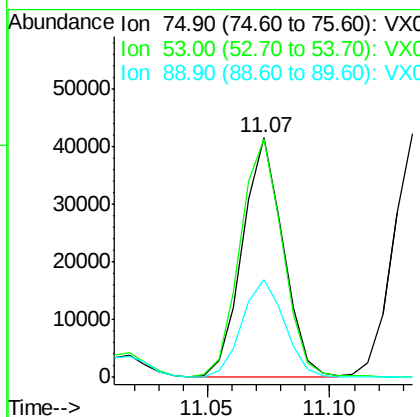
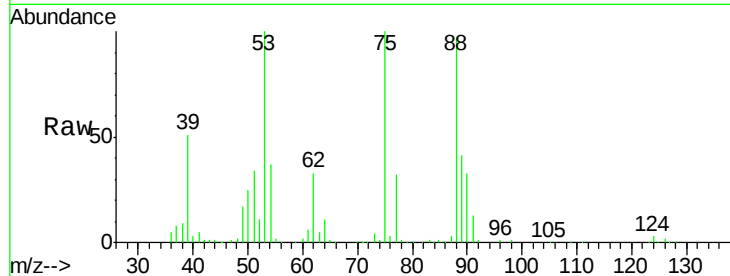
53 103.8 79.0 118.6

89 42.8 34.7 52.1

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#82

4-Chlorotoluene

Concen: 49.186 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009740.D

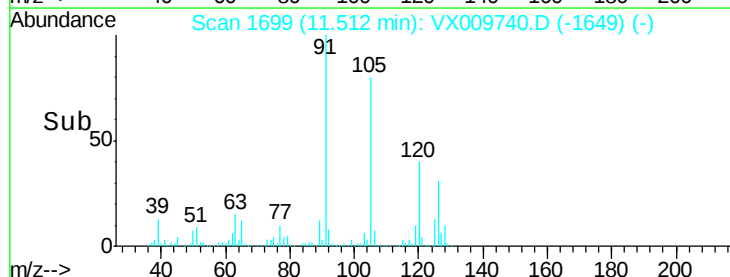
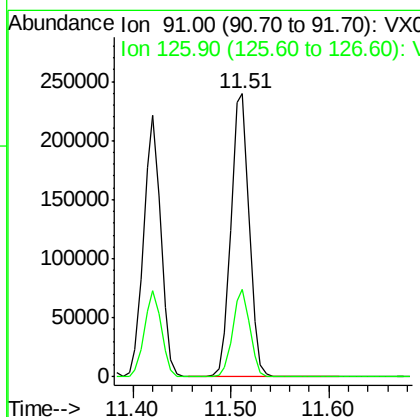
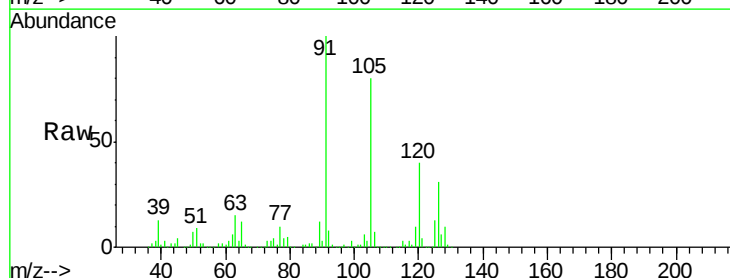
Acq: 20 May 2019 20:44

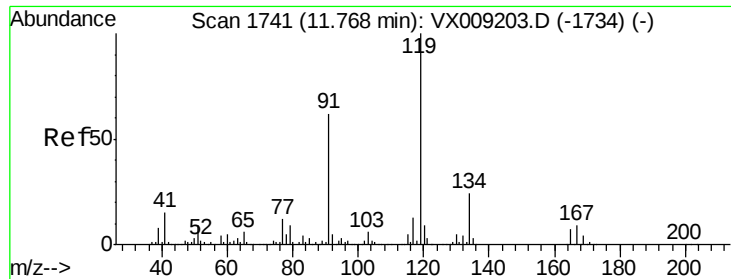
Tgt Ion: 91 Resp: 308799

Ion Ratio Lower Upper

91 100

126 29.2 14.5 43.6





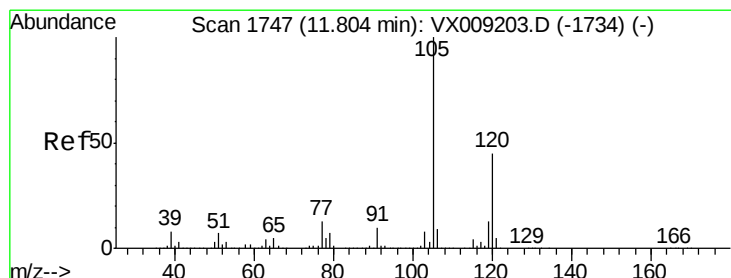
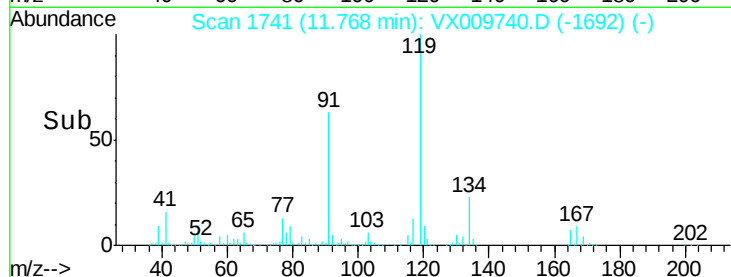
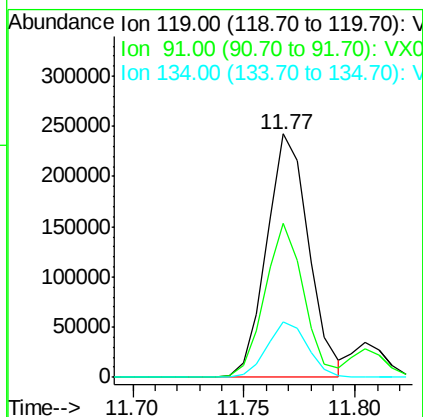
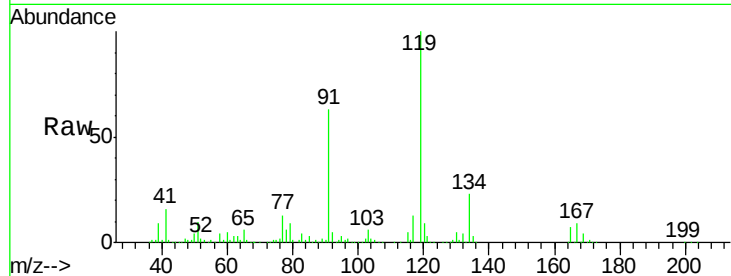
#83
 tert-Butylbenzene
 Concen: 49.100 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317209		
91	59.1		29.5	88.5
134	22.3		11.4	34.1

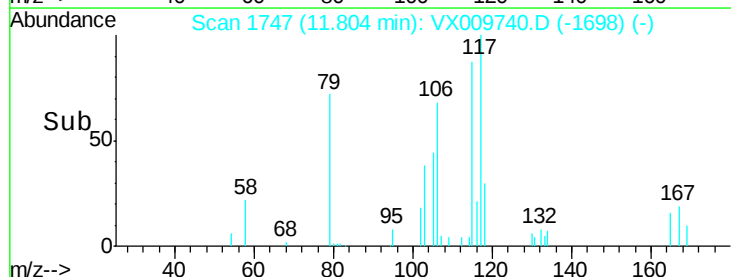
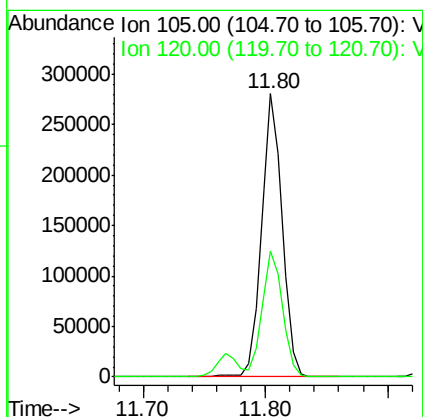
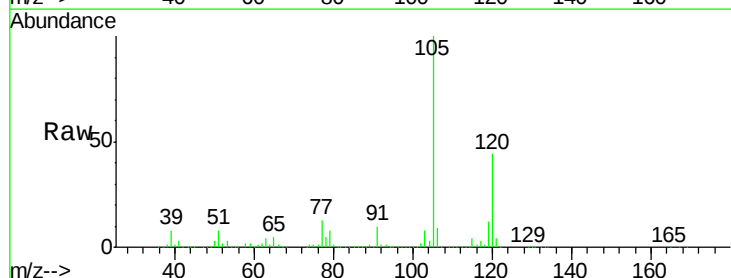
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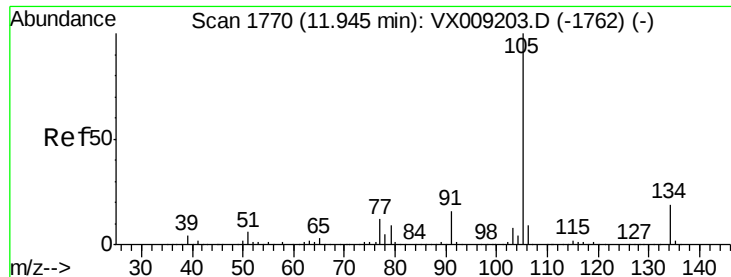
MMDadoda
 5/21/2019 9:13:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.540 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	330233		
120	43.7		22.0	66.0





#85

sec-Butylbenzene

Concen: 49.422 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 378542

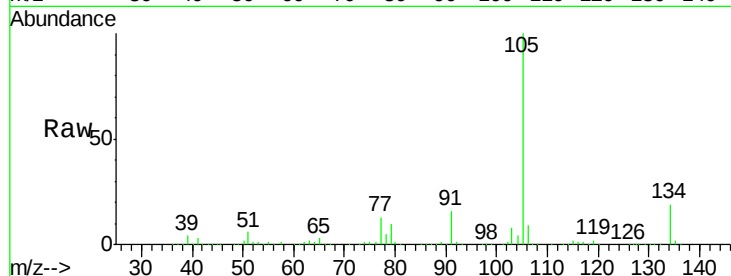
Ion Ratio Lower Upper

105 100

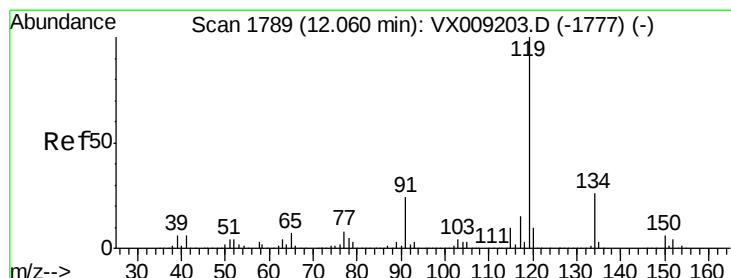
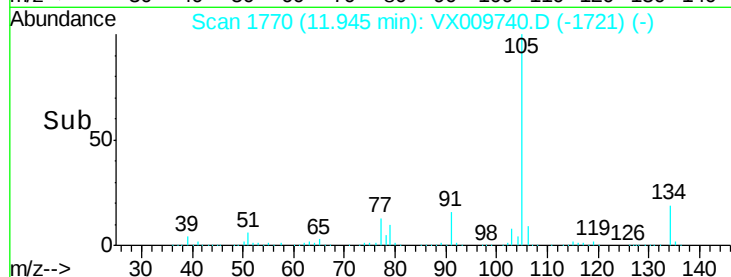
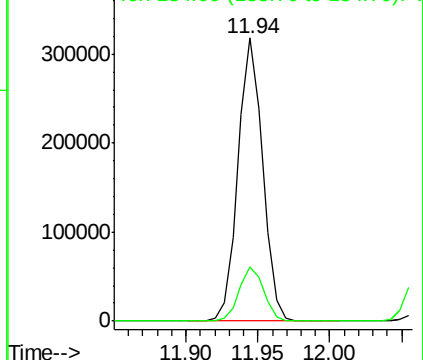
134 19.3 9.7 28.9

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.782 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

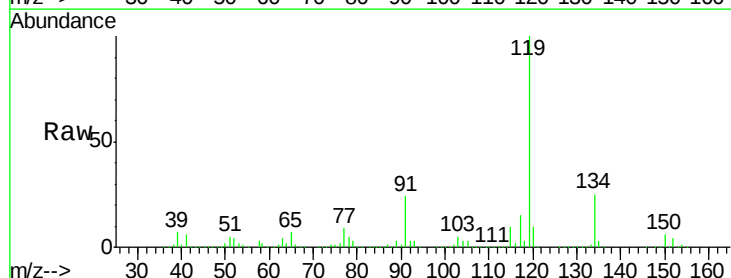
Tgt Ion:119 Resp: 342782

Ion Ratio Lower Upper

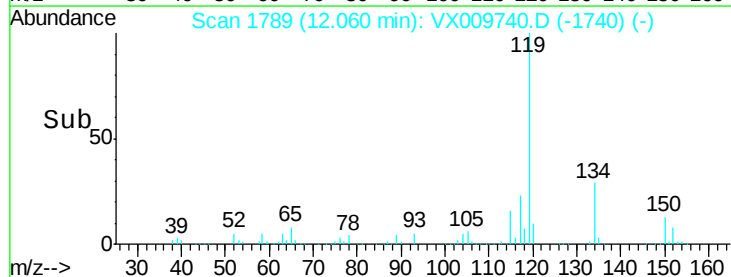
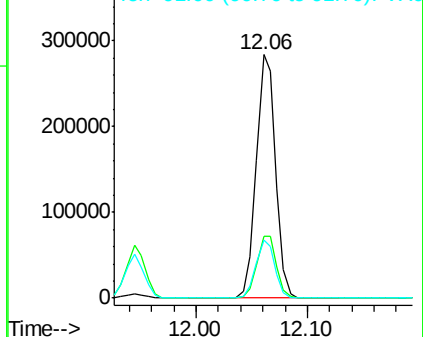
119 100

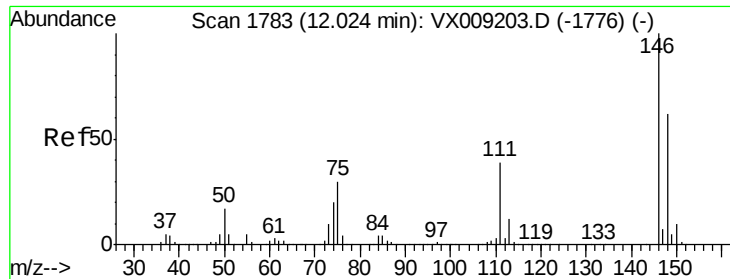
134 25.9 12.9 38.7

91 23.5 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





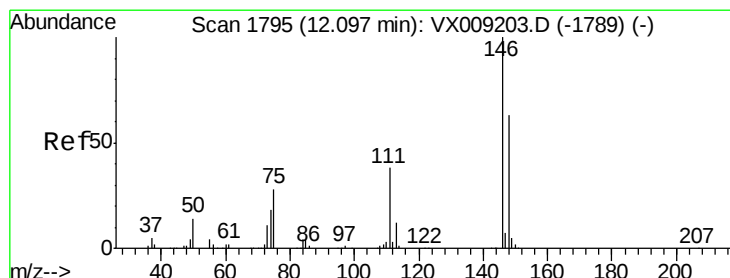
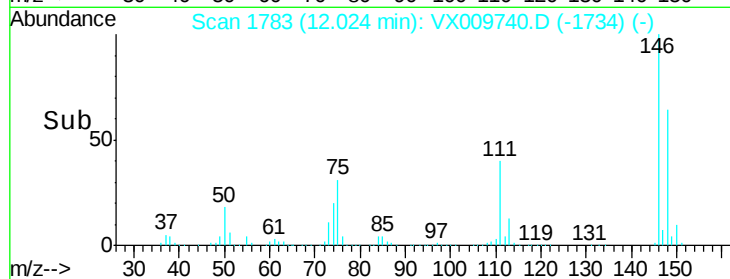
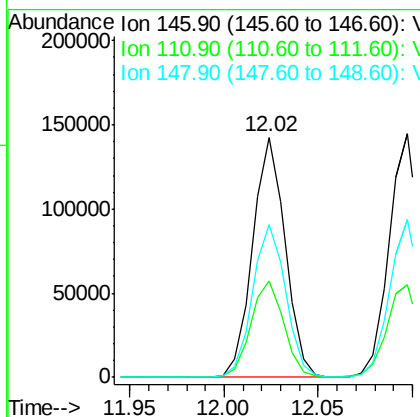
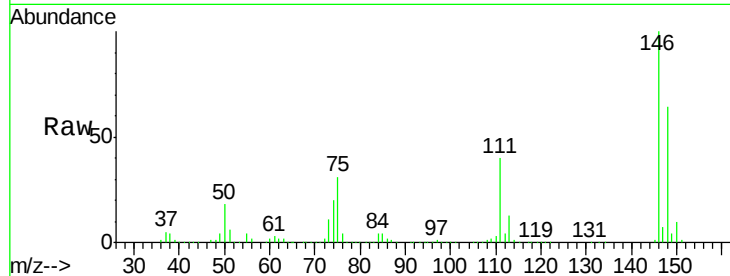
#87
 1,3-Dichlorobenzene
 Concen: 48.973 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.3	31.8	95.3

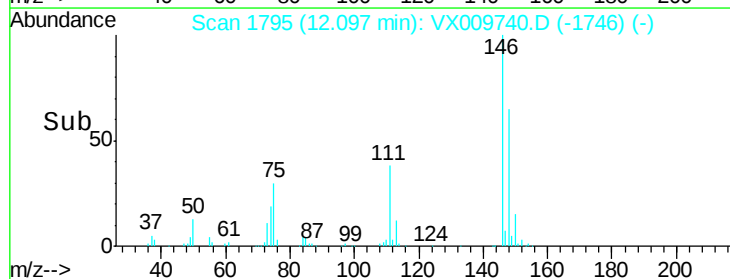
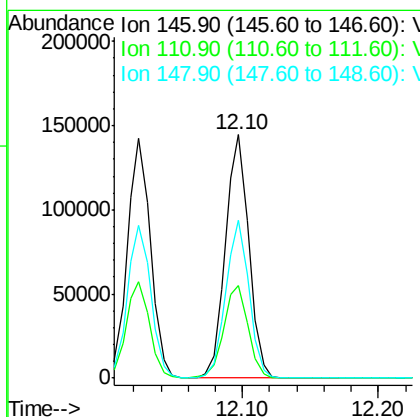
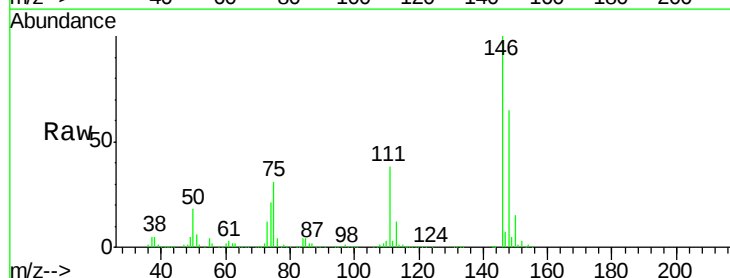
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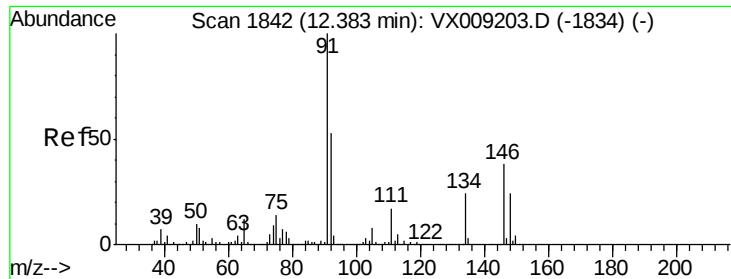
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.803 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.4	31.8	95.3





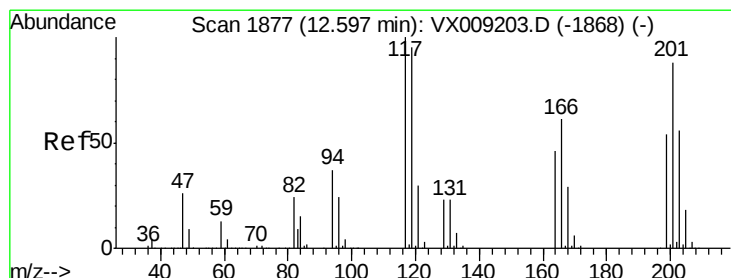
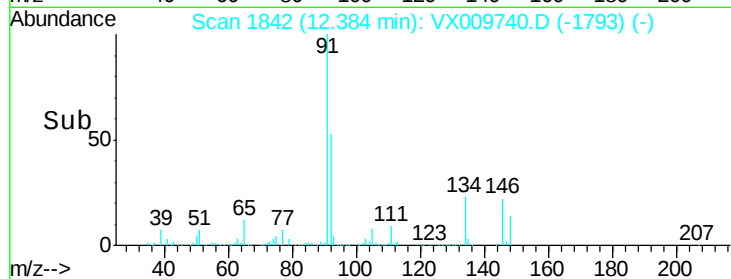
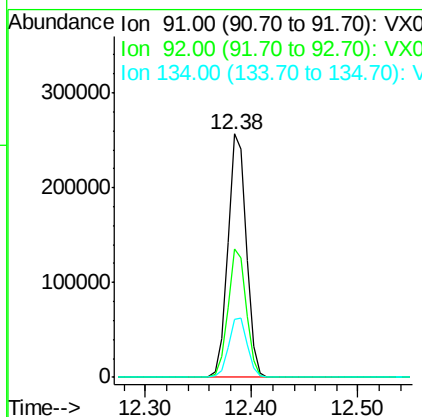
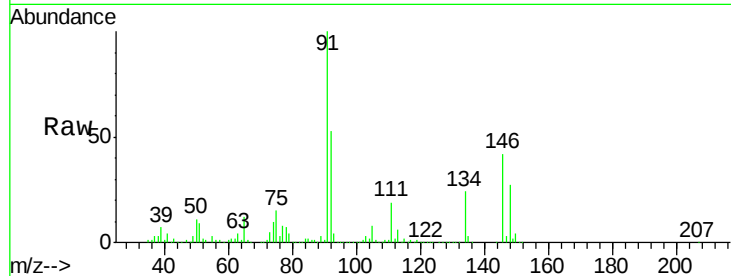
#89
n-Butylbenzene
Concen: 50.022 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	311318		
92	52.5	26.5	79.5	
134	24.8	12.4	37.2	

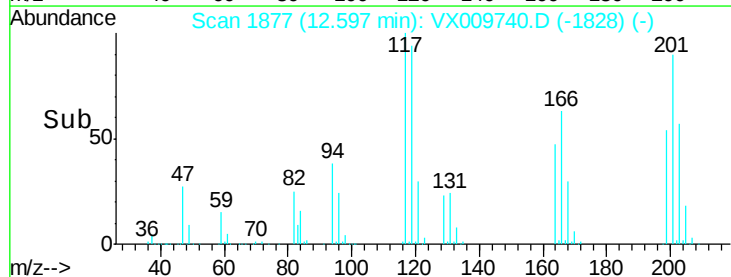
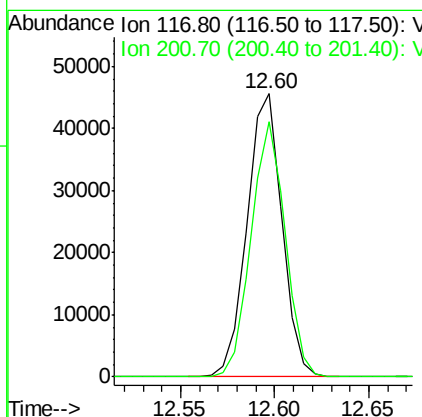
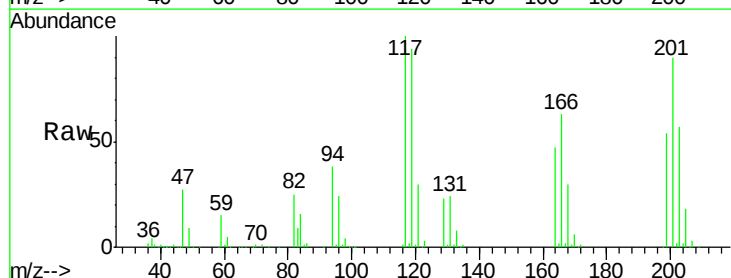
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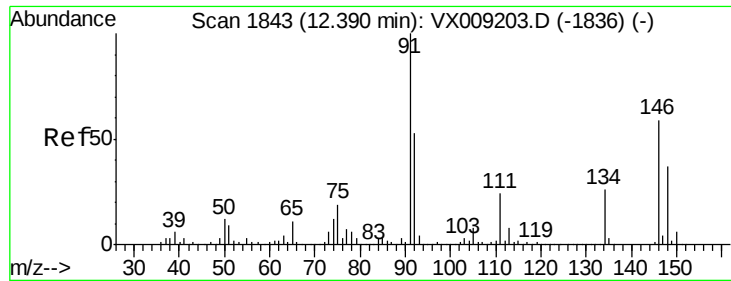
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5/21/2019 9:13:57 AM



#90
Hexachloroethane
Concen: 49.961 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	58609		
201	87.7	42.3	126.9	





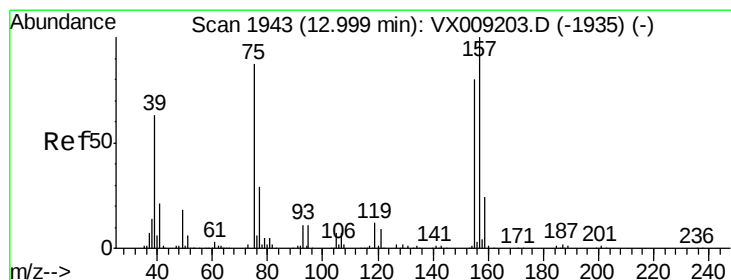
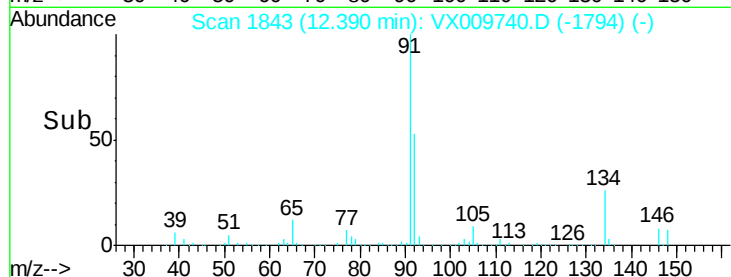
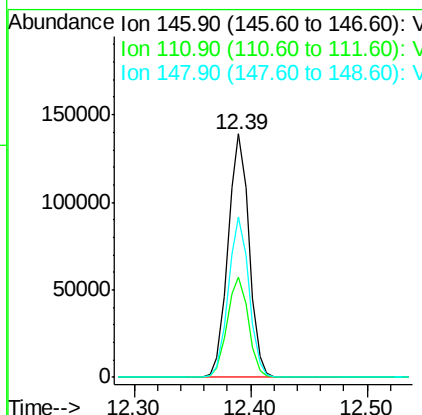
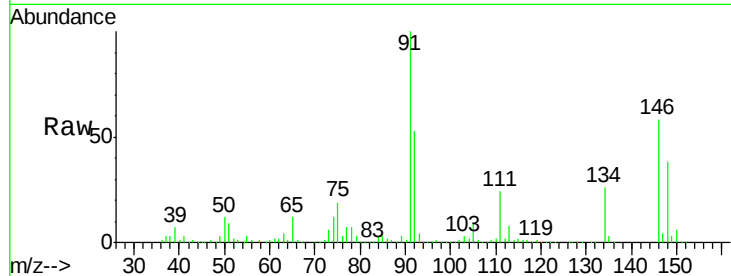
#91
 1,2-Dichlorobenzene
 Concen: 48.854 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	65.0	31.9	95.9

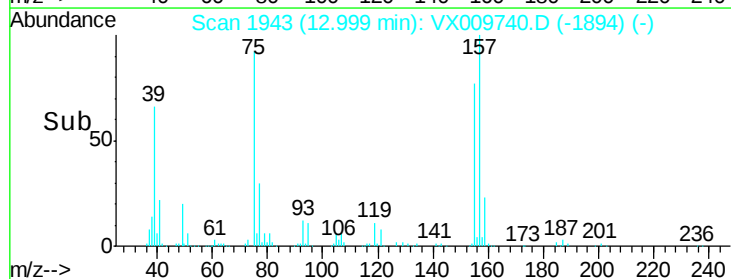
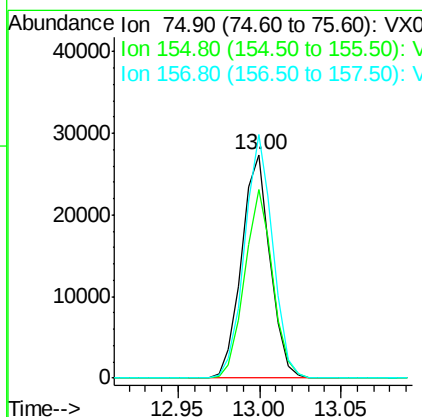
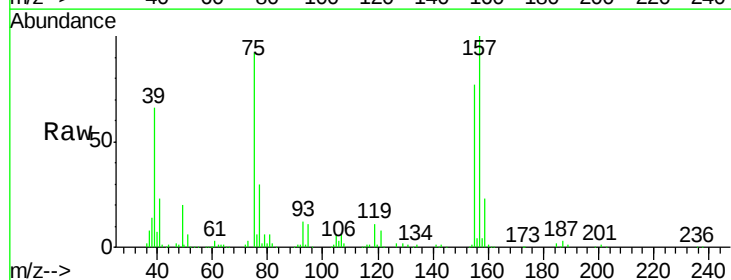
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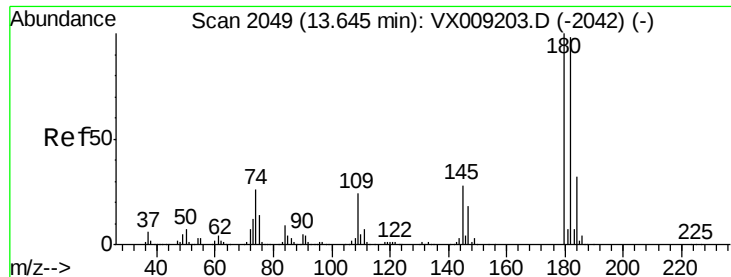
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.848 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009740.D
 Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	42.0	126.0
157	107.1	53.2	159.6





#93

1,2,4-Trichlorobenzene

Concen: 50.062 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009740.D

Acq: 20 May 2019 20:44

Instrument :

MSVOA_X

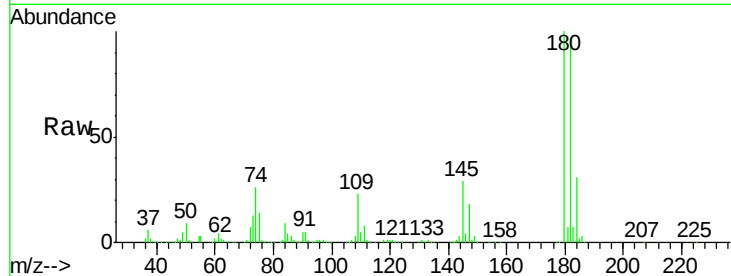
ClientSampleId :

VSTDCCC050EC

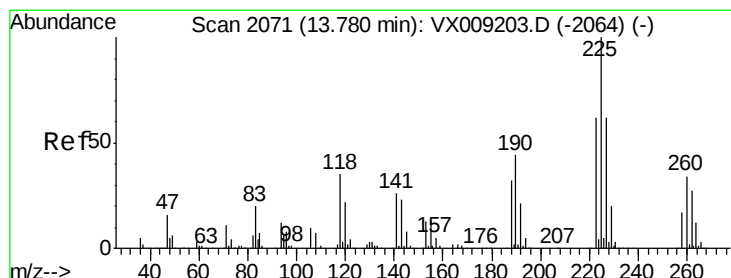
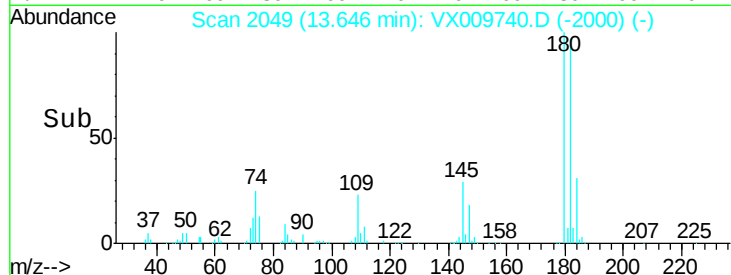
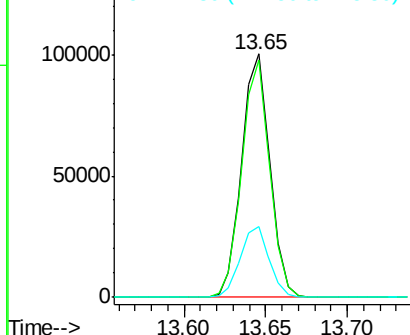
Tot Ion:	180	Resp:	121688
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.4	145.2
145	29.6	14.6	43.8

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 49.985 ug/l

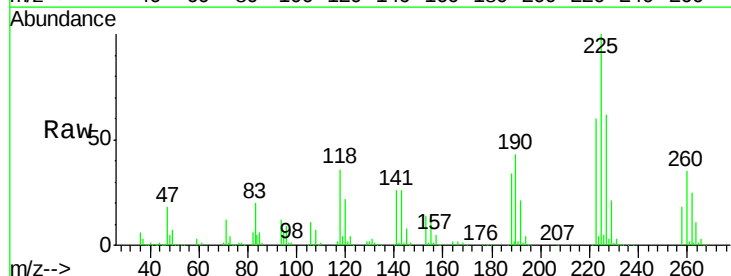
RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

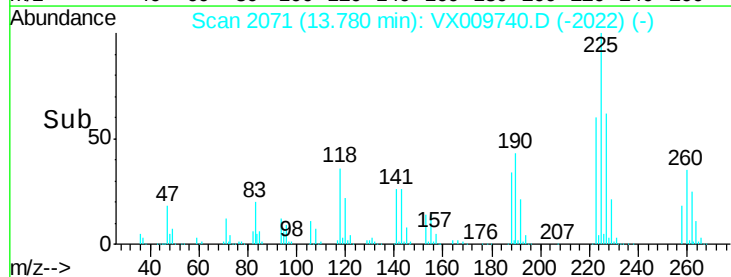
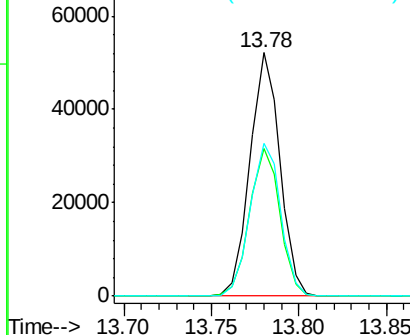
Lab File: VX009740.D

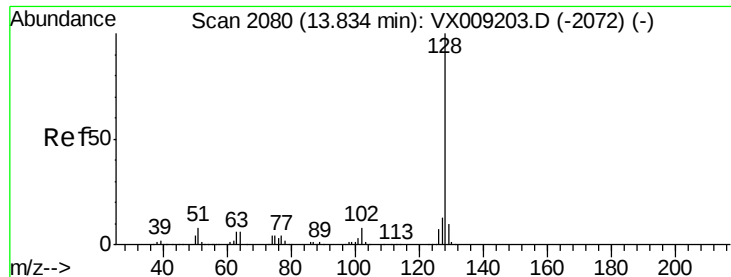
Acq: 20 May 2019 20:44

Tgt Ion:	225	Resp:	62046
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.3	93.8
227	64.1	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





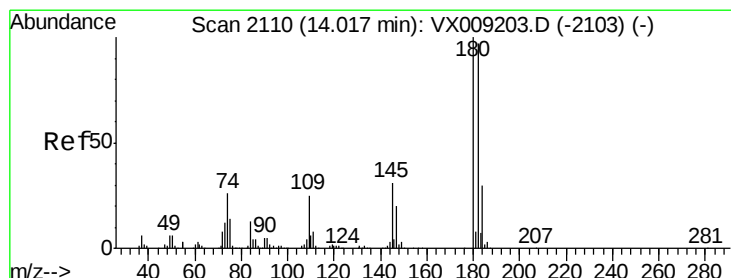
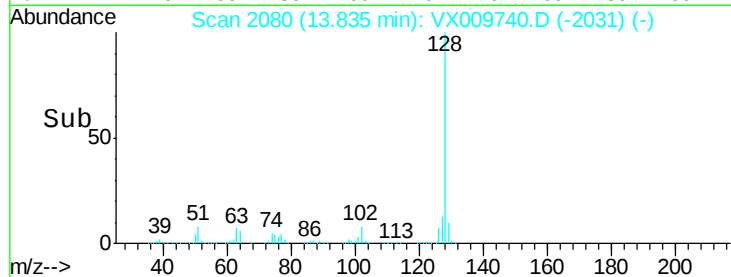
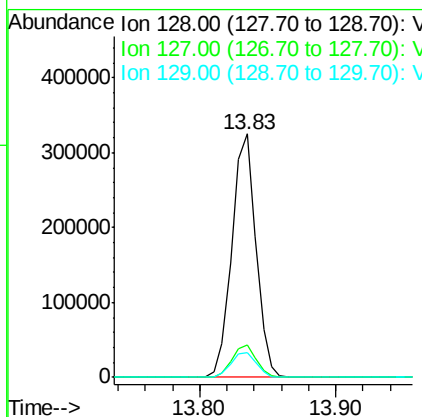
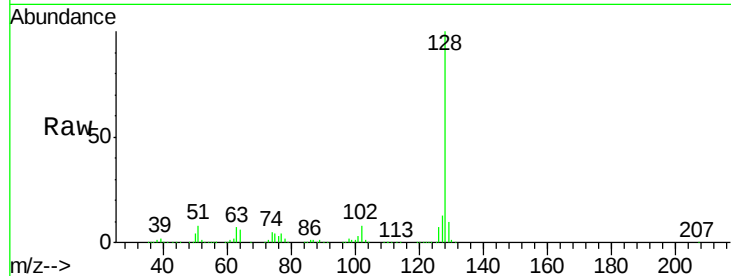
#95
Naphthalene
Concen: 50.616 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	400286		
127	13.2		10.4	15.6
129	10.8		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 50.687 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009740.D
Acq: 20 May 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124891		
182	94.4		47.8	143.4
145	30.2		15.4	46.4

