

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021777.D
 Acq On : 21 Apr 2021 00:33
 Operator : JC/MD
 Sample : M2079-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 11:28:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

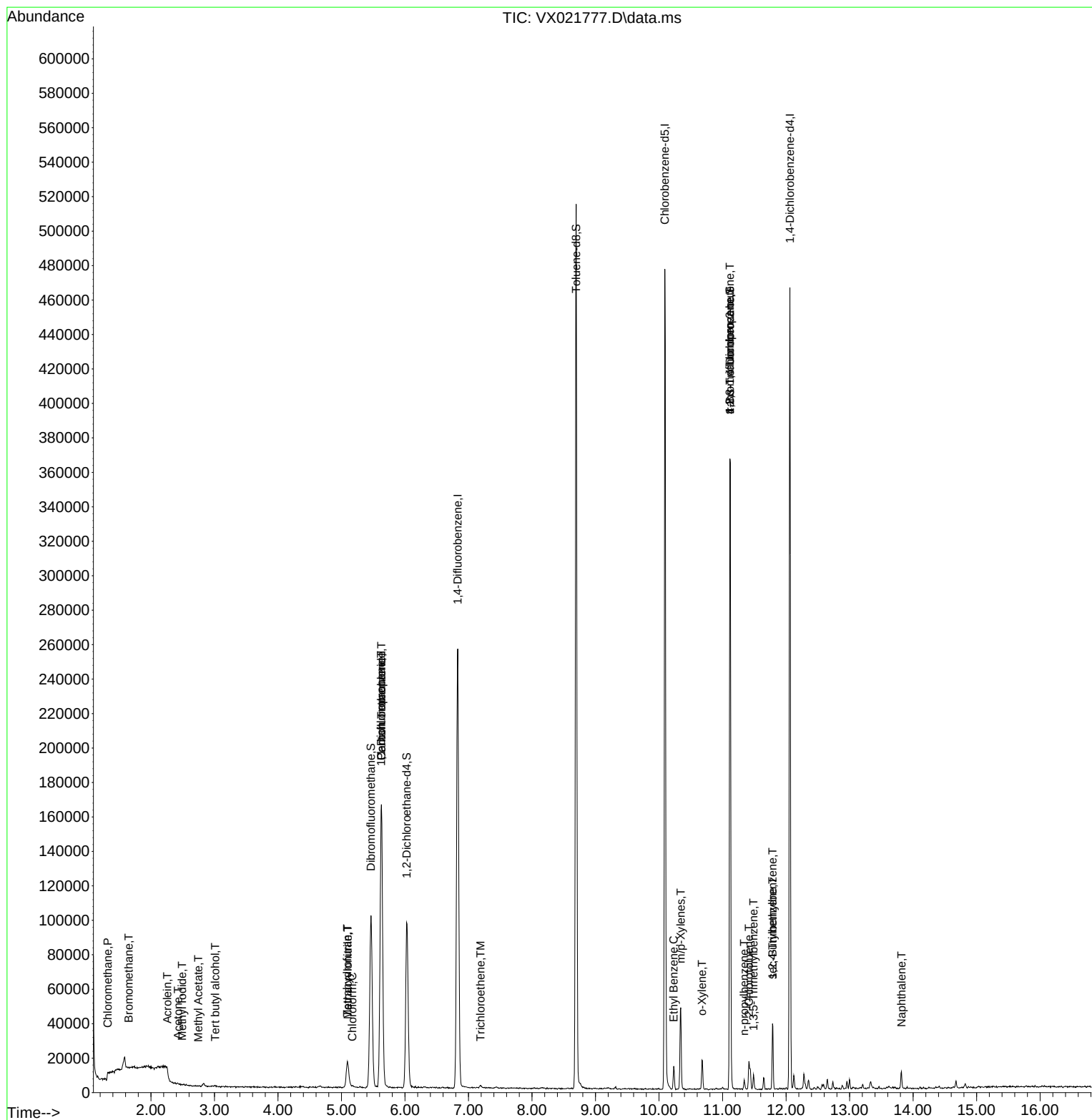
Internal Standards						
1) Pentafluorobenzene	5.629	168	166417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	276150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	237320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	101091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	92567	49.03	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.06%		
35) Dibromofluoromethane	5.465	113	87979	49.82	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.64%		
50) Toluene-d8	8.696	98	320923	47.26	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.52%		
62) 4-Bromofluorobenzene	11.116	95	106663	42.06	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.12%		
Target Compounds						
						Qvalue
3) Chloromethane	1.319	50	3535	1.97	ug/l	99
5) Bromomethane	1.648	94	237	0.28	ug/l	92
10) Methyl Iodide	2.489	142	135	8.24	ug/l #	59
11) Tert butyl alcohol	3.014	59	559	1.35	ug/l #	48
13) Acrolein	2.258	56	222	0.66	ug/l #	14
16) Acetone	2.428	43	737	1.14	ug/l	92
18) Methyl Acetate	2.745	43	393	0.22	ug/l #	47
29) Tetrahydrofuran	5.093	42	14247	19.92	ug/l	97
30) Chloroform	5.172	83	913	0.29	ug/l	99
36) 1,1-Dichloropropene	5.623	75	11028	4.52	ug/l #	50
38) Carbon Tetrachloride	5.629	117	15710	5.89	ug/l #	17
41) Methacrylonitrile	5.099	41	7723	5.99	ug/l #	39
44) Trichloroethene	7.190	130	453	0.21	ug/l	83
67) Ethyl Benzene	10.232	91	8390	0.99	ug/l	99
68) m/p-Xylenes	10.342	106	12000	3.66	ug/l	97
69) o-Xylene	10.677	106	4219	1.33	ug/l	100
76) 1,2,3-Trichloropropane	11.116	75	49343	24.61	ug/l #	39
78) n-propylbenzene	11.341	91	3188	0.41	ug/l	100
79) 2-Chlorotoluene	11.415	91	1653	0.36	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.488	105	3766	0.63	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.116	75	49343	56.60	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.787	105	17264	2.85	ug/l	97
85) sec-Butylbenzene	11.787	105	17264	2.51	ug/l #	57
95) Naphthalene	13.817	128	7106	1.04	ug/l	98

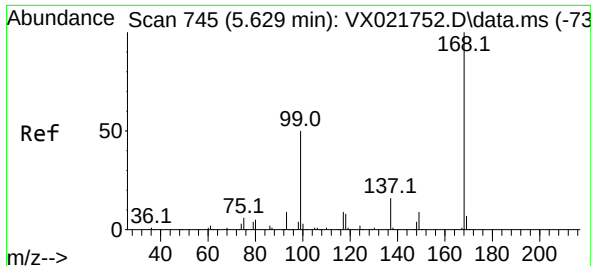
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 20 13:46:22 2021
Response via : Initial Calibration

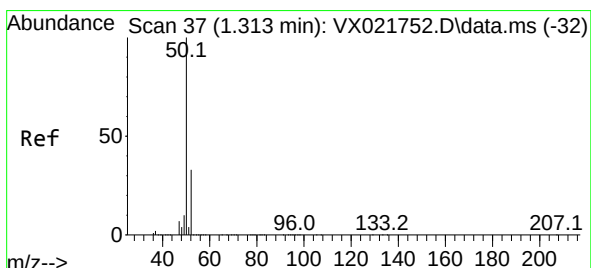
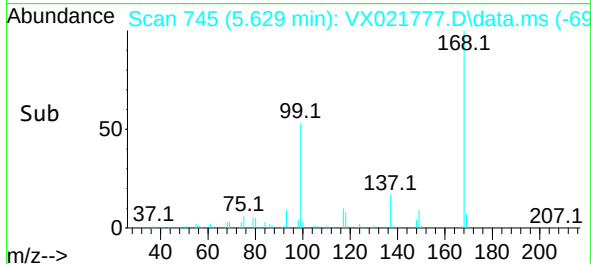
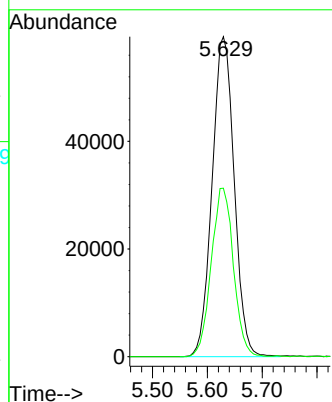
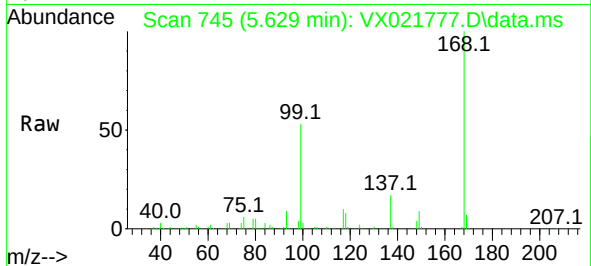




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

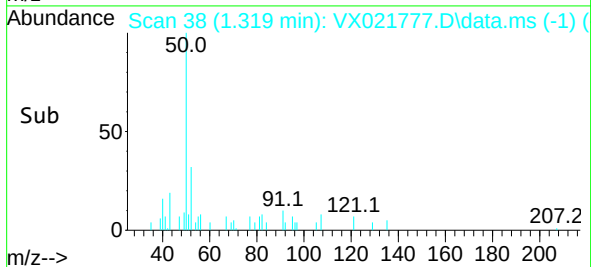
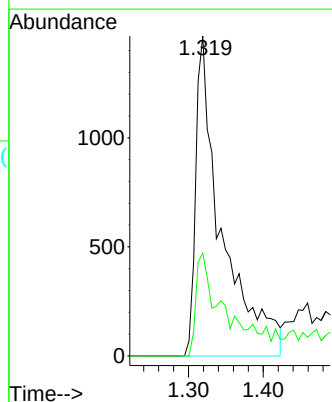
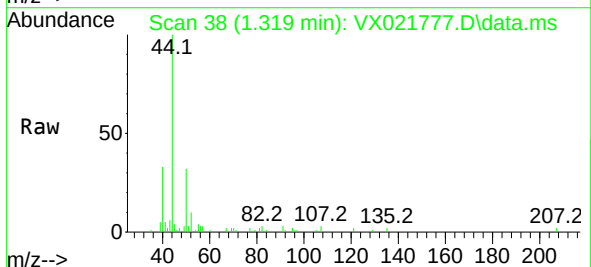
Instrument :
MSVOA_X
ClientSampled :

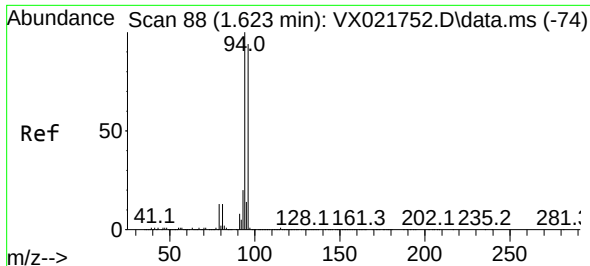
Tgt Ion:168 Resp: 166417
Ion Ratio Lower Upper
168 100
99 52.6 45.8 68.6



#3
Chloromethane
Concen: 1.97 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 50 Resp: 3535
Ion Ratio Lower Upper
50 100
52 32.2 26.4 39.6

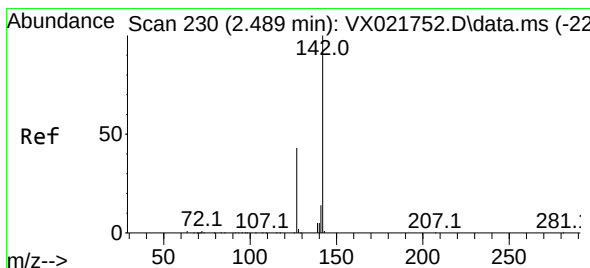
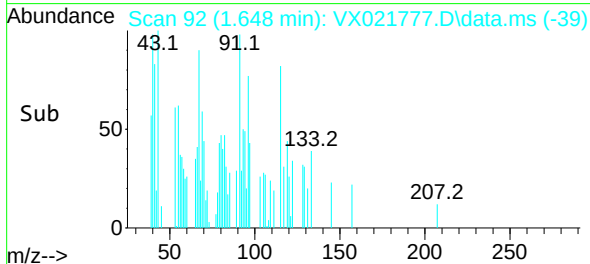
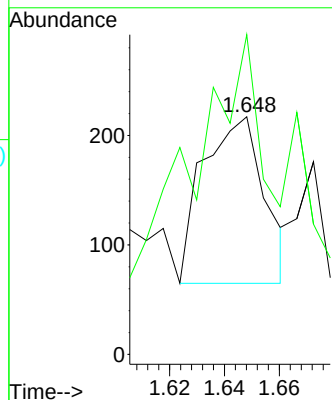
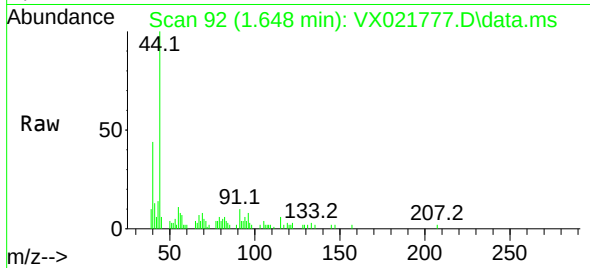




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.025 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

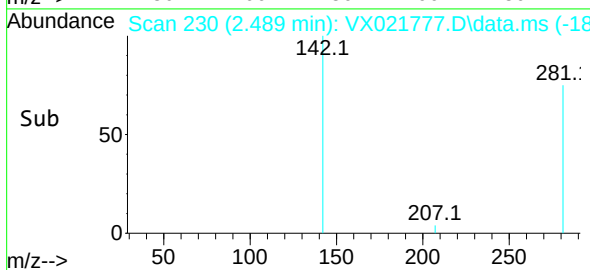
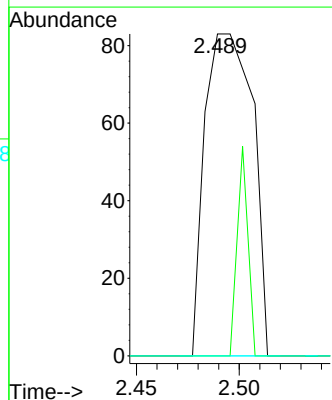
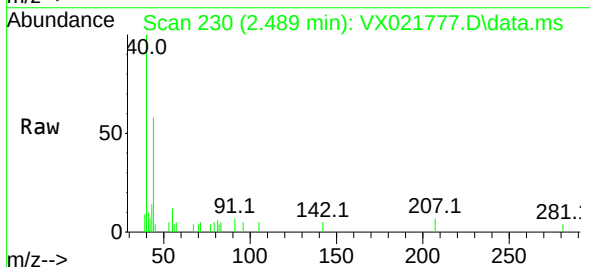
Instrument :
MSVOA_X
ClientSampleId :

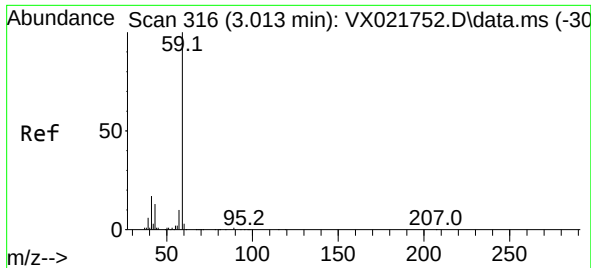
Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 103.3 76.4 114.6



#10
Methyl Iodide
Concen: 8.24 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 142 Resp: 135
Ion Ratio Lower Upper
142 100
127 14.8 33.3 49.9#
141 0.0 11.4 17.0#

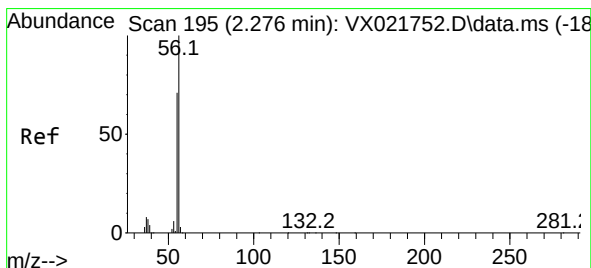
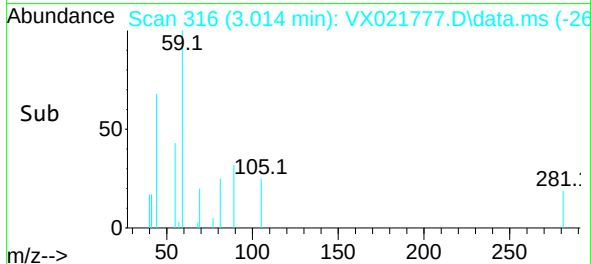
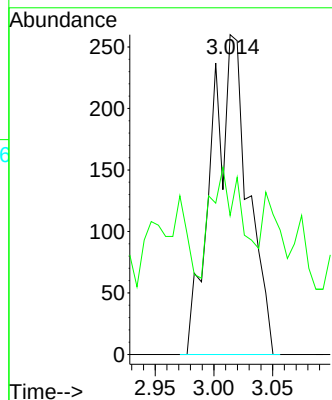
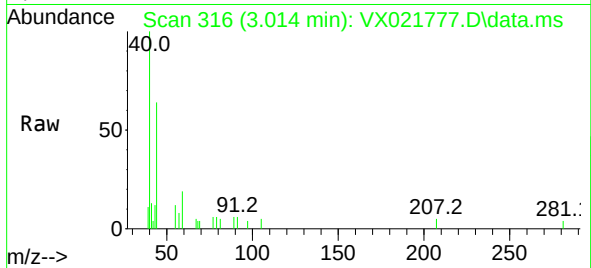




#11
Tert butyl alcohol
Concen: 1.35 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

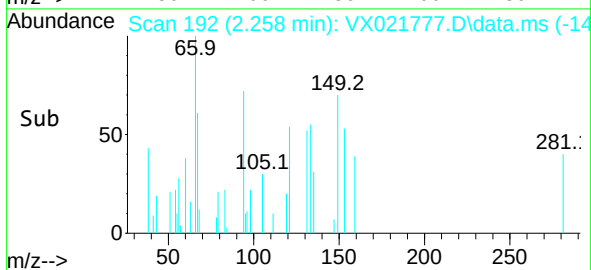
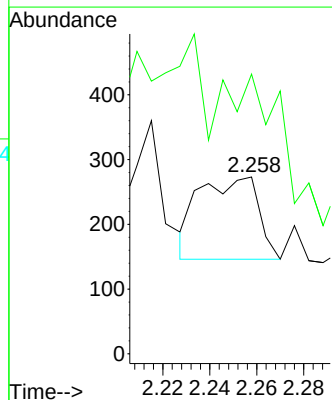
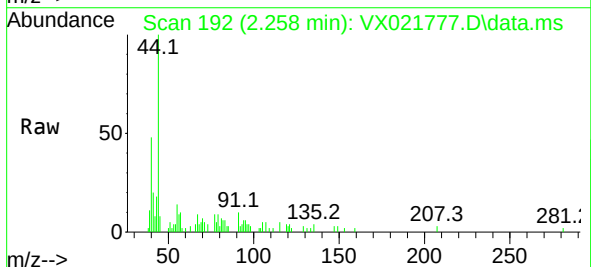
Instrument :
MSVOA_X
ClientSampled :

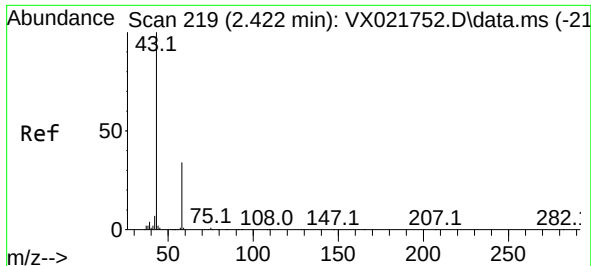
Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 28.8 7.8 11.8#



#13
Acrolein
Concen: 0.66 ug/l
RT: 2.258 min Scan# 192
Delta R.T. -0.018 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

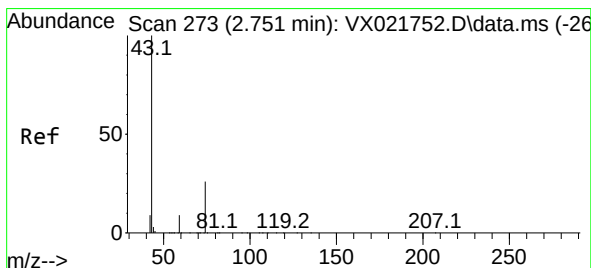
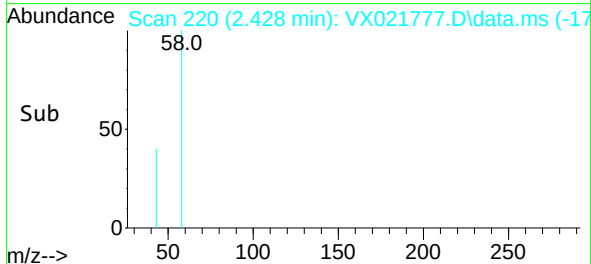
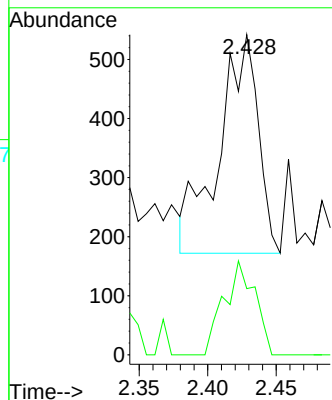
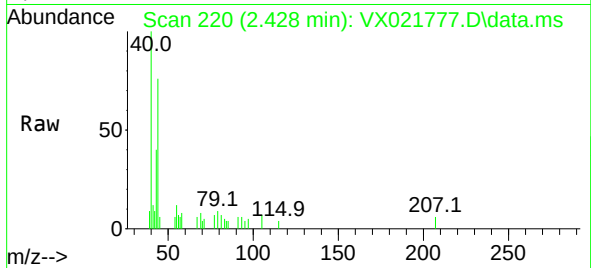




#16
Acetone
Concen: 1.14 ug/l
RT: 2.428 min Scan# 220
Delta R.T. 0.006 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

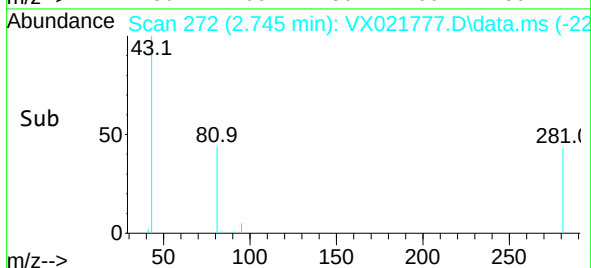
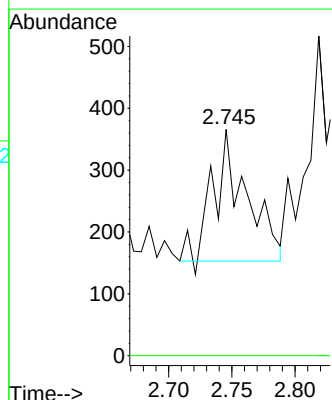
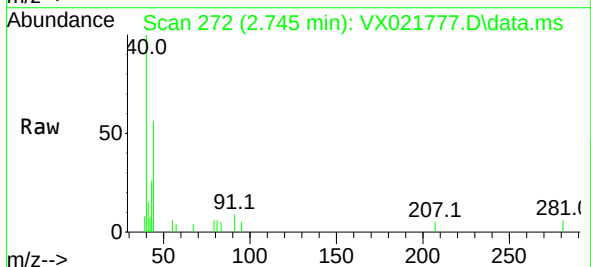
Instrument :
MSVOA_X
ClientSampled :

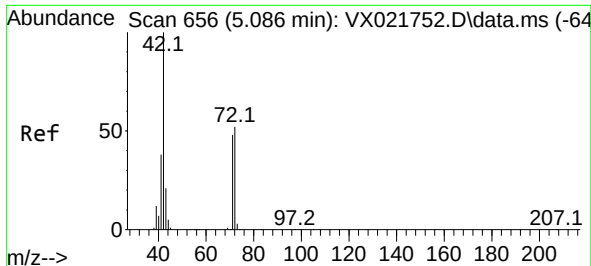
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 30.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.745 min Scan# 272
Delta R.T. -0.006 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 43 Resp: 393
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#29

Tetrahydrofuran

Concen: 19.92 ug/l

RT: 5.093 min Scan# 657

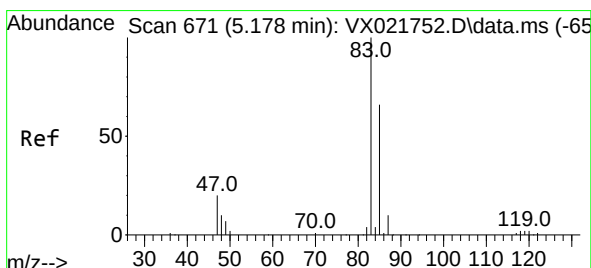
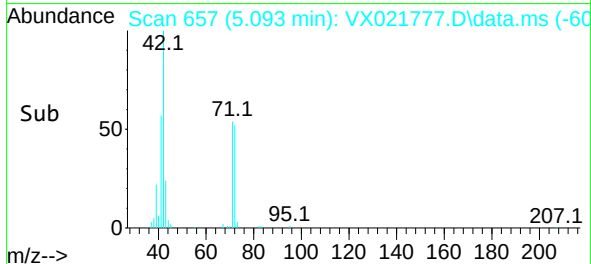
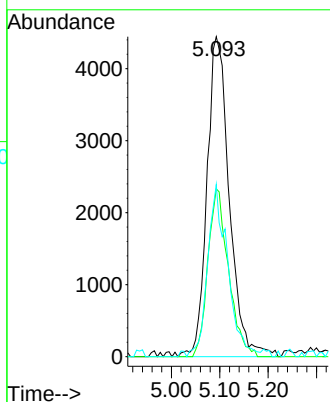
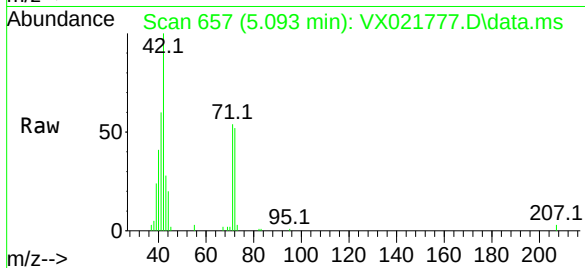
Delta R.T. 0.007 min

Lab File: VX021777.D

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Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	42	Resp:	14247
Ion	Ratio	Lower	Upper
42	100		
72	48.4	41.7	62.5
71	48.5	38.4	57.6



#30

Chloroform

Concen: 0.29 ug/l

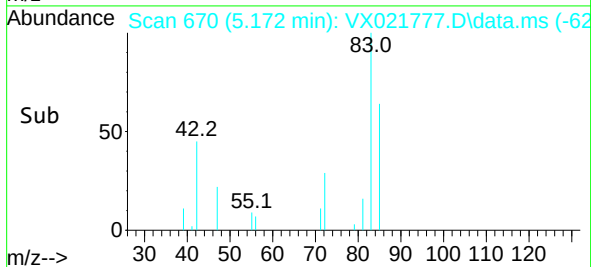
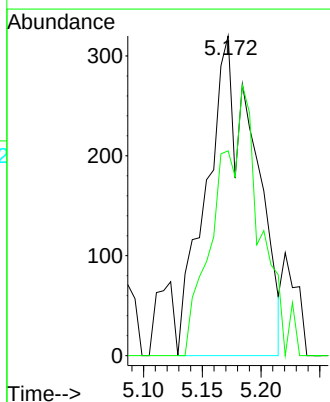
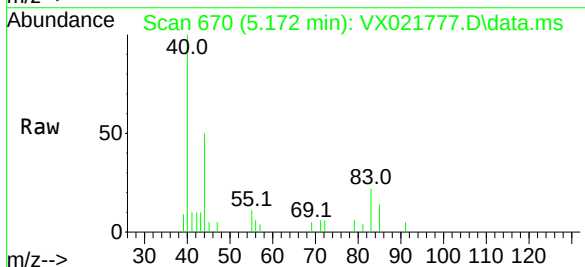
RT: 5.172 min Scan# 670

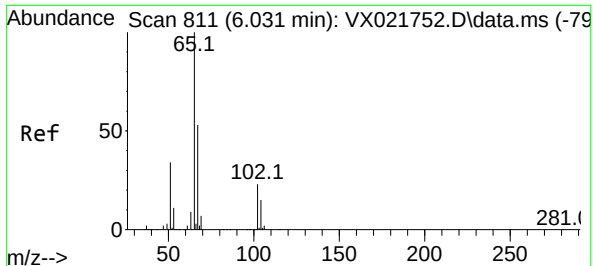
Delta R.T. -0.006 min

Lab File: VX021777.D

Acq: 21 Apr 2021 00:33

Tgt Ion:	83	Resp:	913
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.0	78.0





#33

1,2-Dichloroethane-d4

Concen: 49.03 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX021777.D

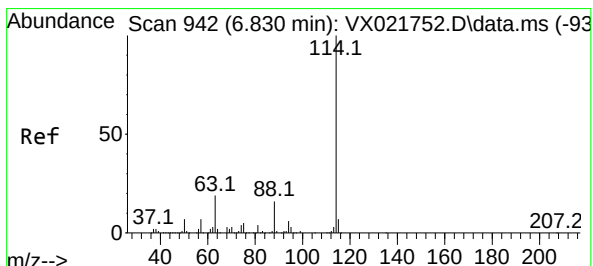
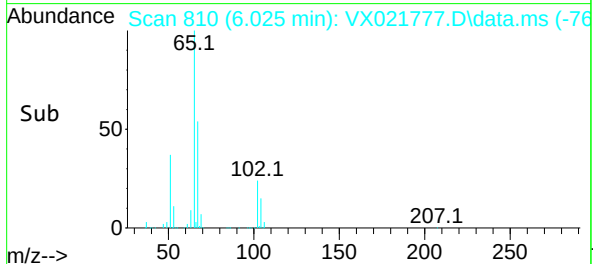
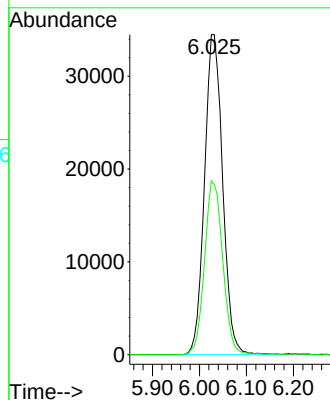
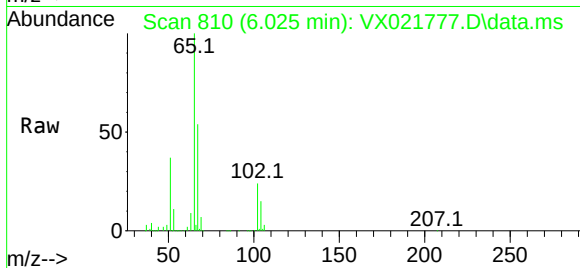
Acq: 21 Apr 2021 00:33

Tgt Ion: 65 Resp: 92567

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX021777.D

Acq: 21 Apr 2021 00:33

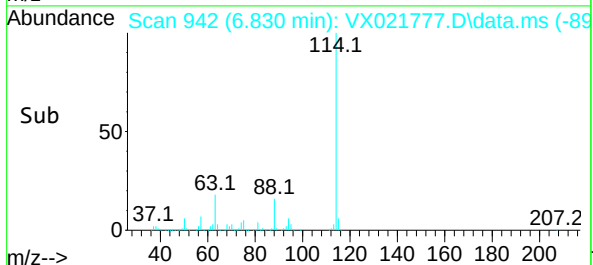
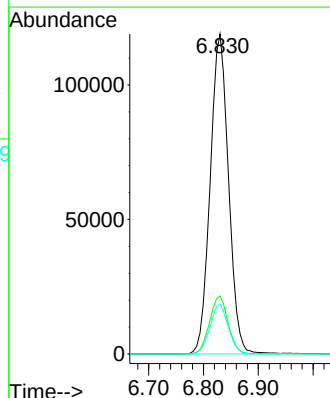
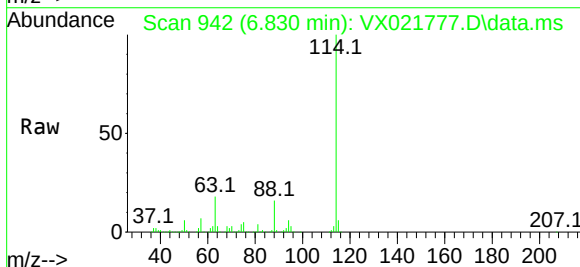
Tgt Ion: 114 Resp: 276150

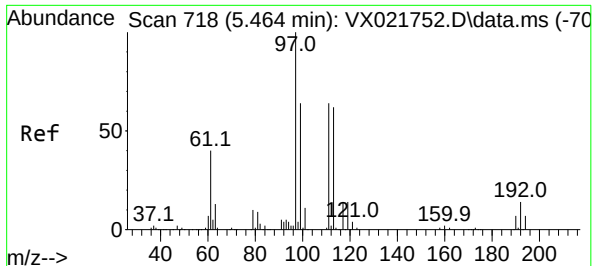
Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.8

88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.82 ug/l

RT: 5.465 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX021777.D

Acq: 21 Apr 2021 00:33

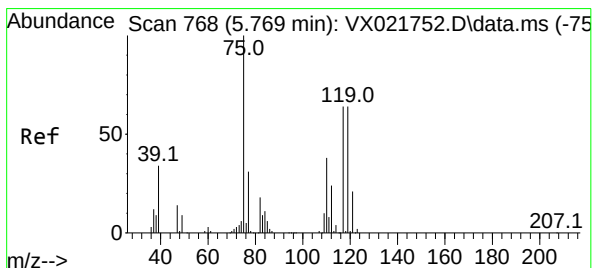
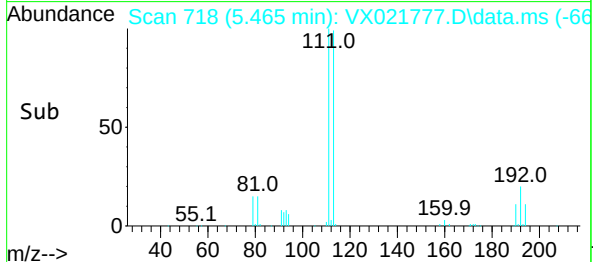
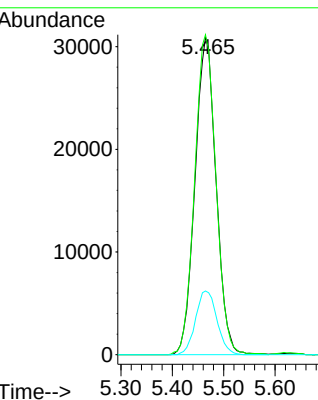
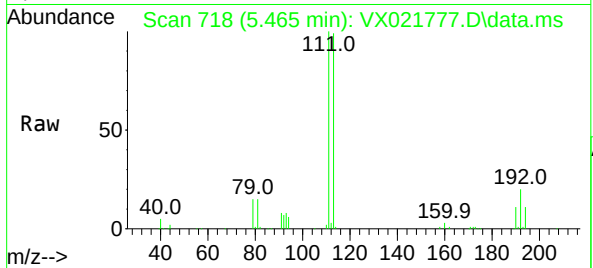
Tgt Ion:113 Resp: 87979

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

192 20.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.52 ug/l

RT: 5.623 min Scan# 744

Delta R.T. -0.146 min

Lab File: VX021777.D

Acq: 21 Apr 2021 00:33

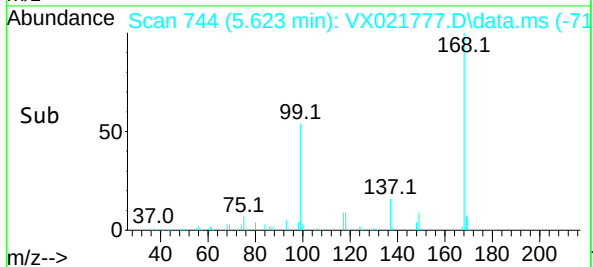
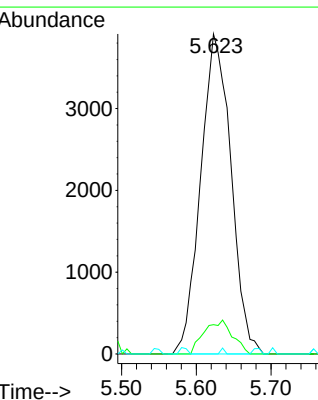
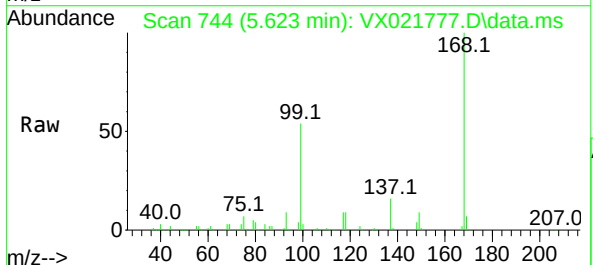
Tgt Ion: 75 Resp: 11028

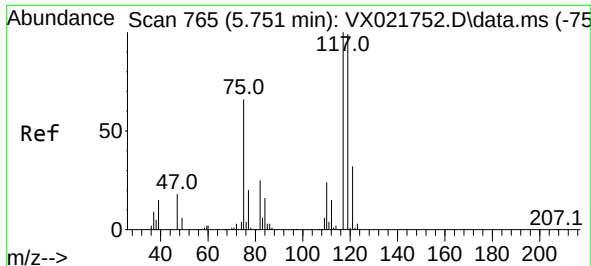
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

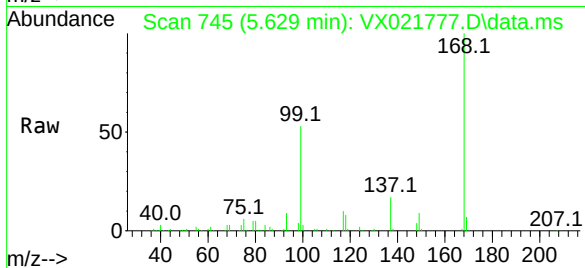
77 0.2 25.3 37.9#



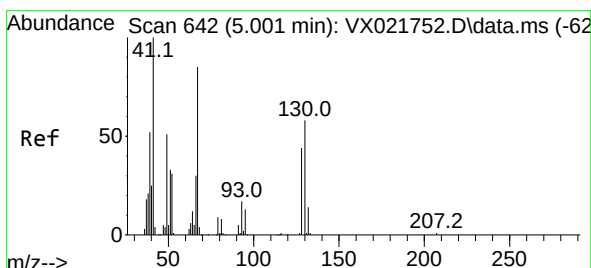
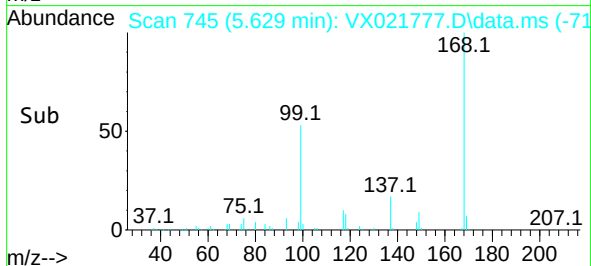
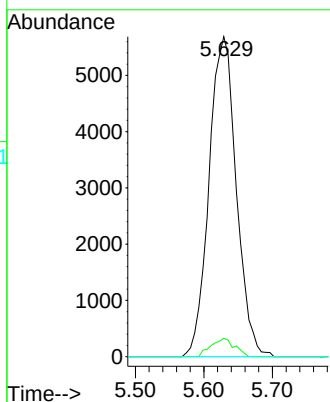


#38
Carbon Tetrachloride
Concen: 5.89 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Instrument :
MSVOA_X
ClientSampled :

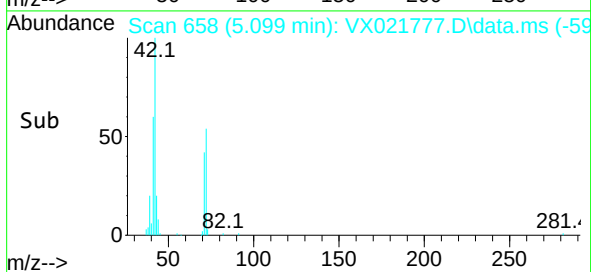
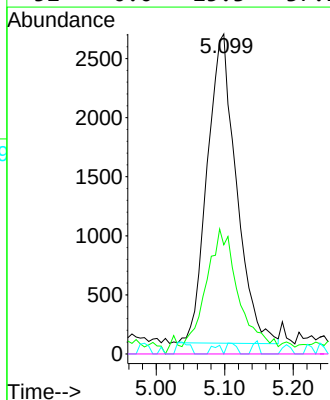
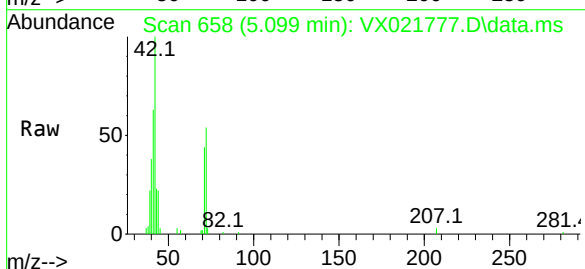


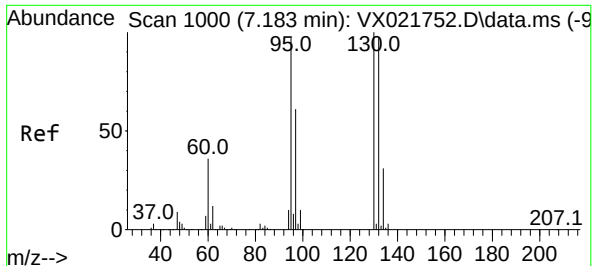
Tgt Ion: 117 Resp: 15710
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 5.99 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.098 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 41 Resp: 7723
Ion Ratio Lower Upper
41 100
39 40.1 42.5 63.7#
67 0.9 65.0 97.6#
52 0.0 25.3 37.9#

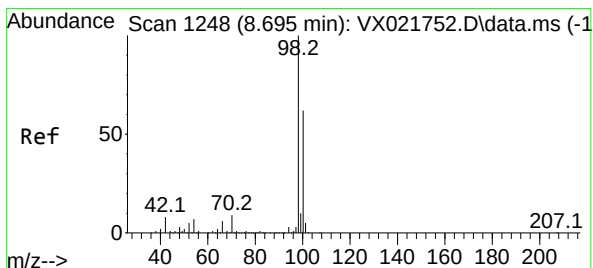
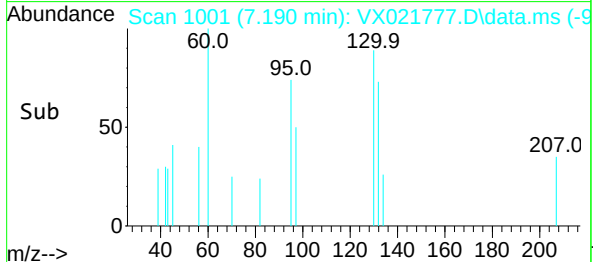
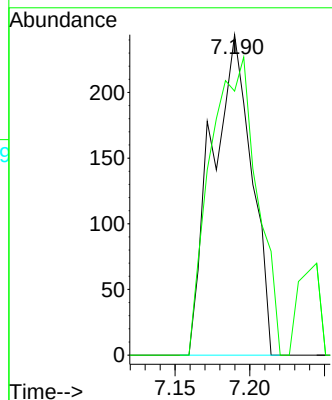
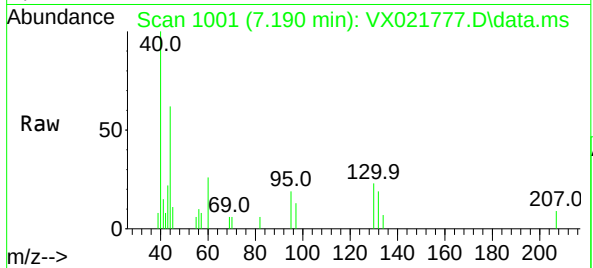




#44
Trichloroethene
Concen: 0.21 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

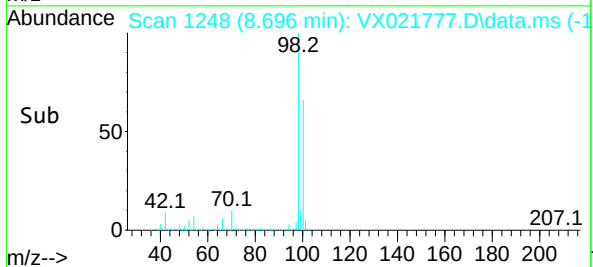
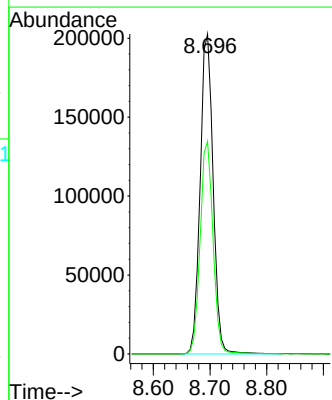
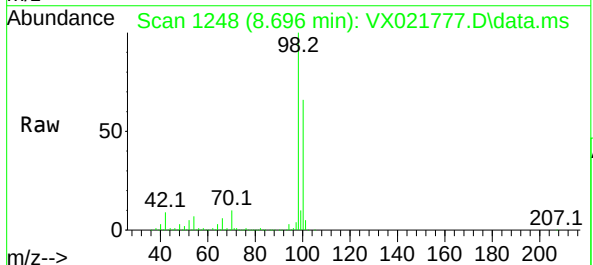
Instrument :
MSVOA_X
ClientSampled :

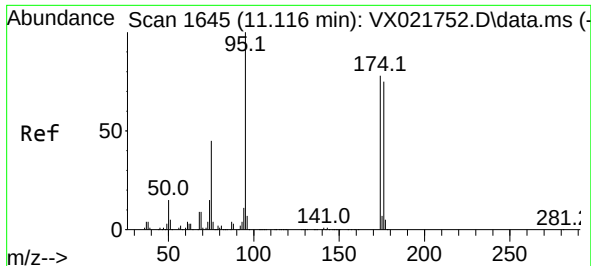
Tgt Ion:130 Resp: 453
Ion Ratio Lower Upper
130 100
95 82.4 0.0 198.0



#50
Toluene-d8
Concen: 47.26 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 98 Resp: 320923
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

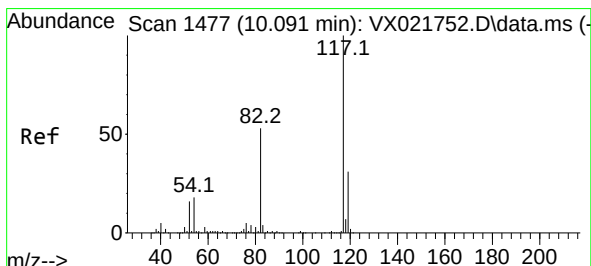
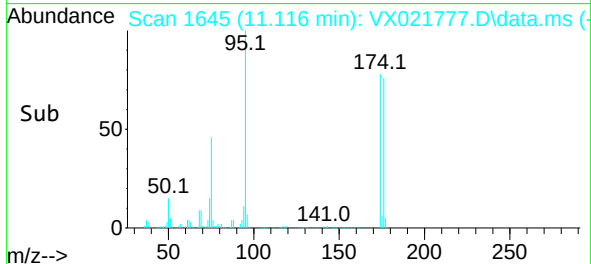
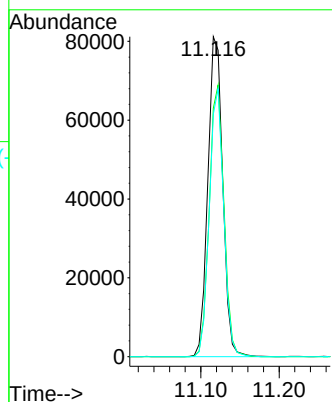
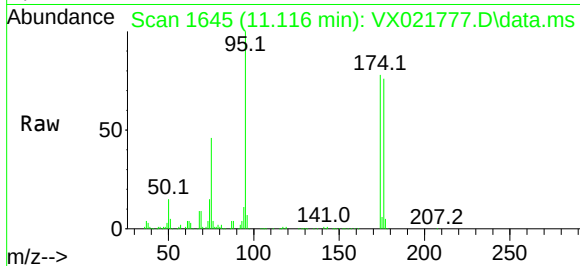




#62
4-Bromofluorobenzene
Concen: 42.06 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

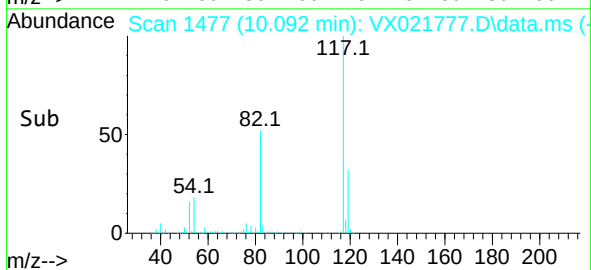
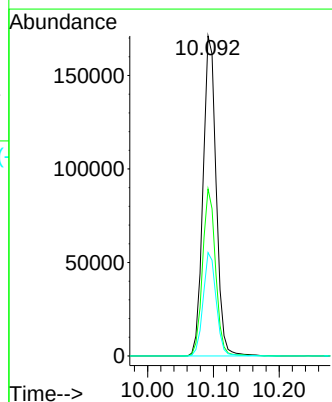
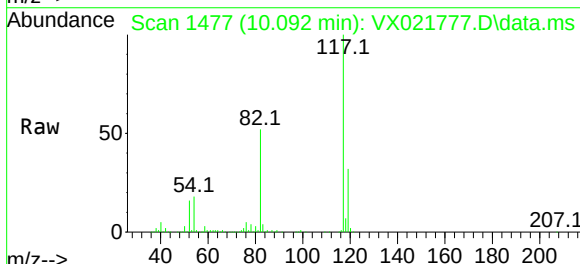
Instrument :
MSVOA_X
ClientSampleId :

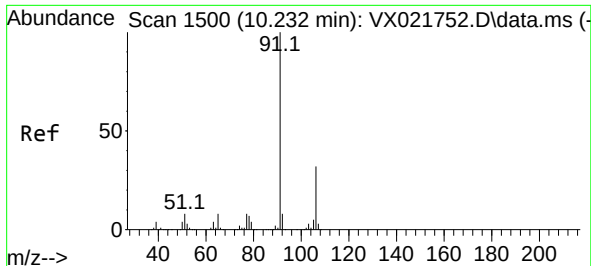
Tgt Ion: 95 Resp: 106663
Ion Ratio Lower Upper
95 100
174 83.7 0.0 154.6
176 81.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 117 Resp: 237320
Ion Ratio Lower Upper
117 100
82 52.2 47.4 71.2
119 32.3 26.6 39.8

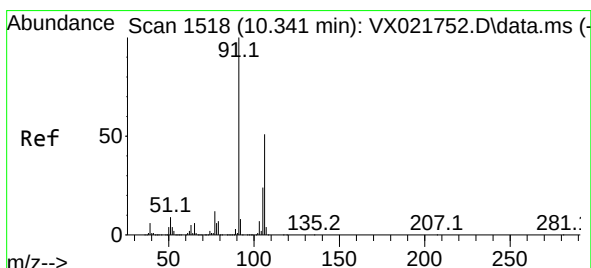
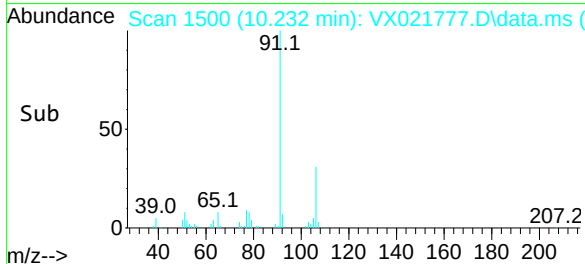
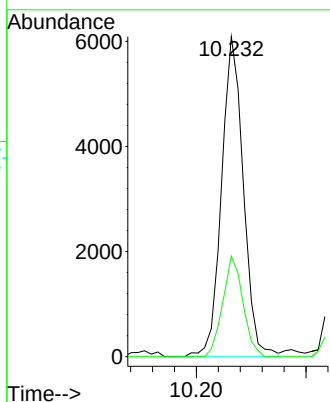
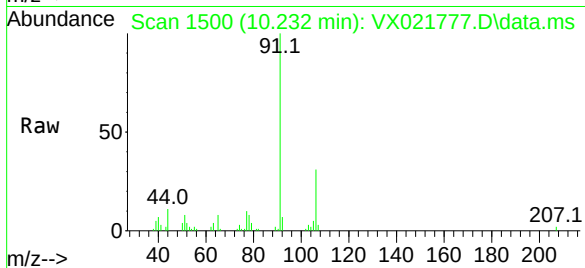




#67
Ethyl Benzene
Concen: 0.99 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

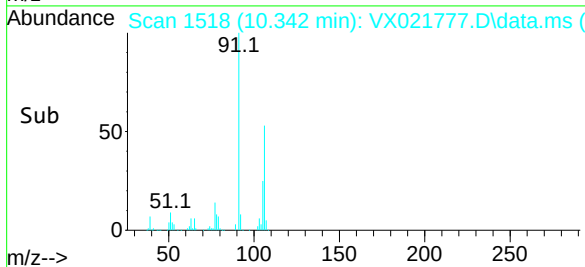
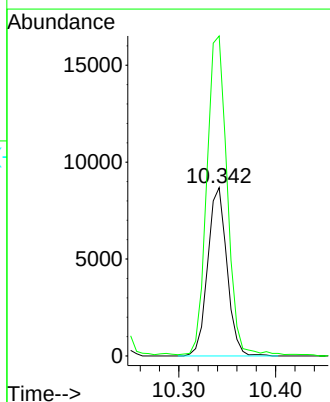
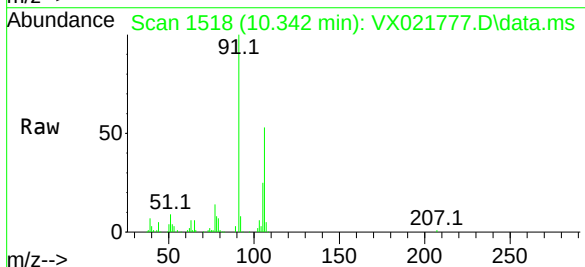
Instrument :
MSVOA_X
ClientSampled :

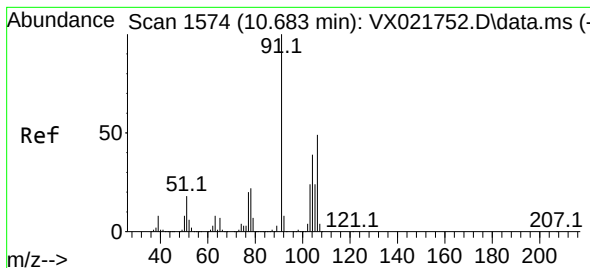
Tgt Ion: 91 Resp: 8390
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 3.66 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. 0.001 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 106 Resp: 12000
Ion Ratio Lower Upper
106 100
91 199.3 162.8 244.2





#69

o-Xylene

Concen: 1.33 ug/l

RT: 10.677 min Scan# 1573

Delta R.T. -0.006 min

Lab File: VX021777.D

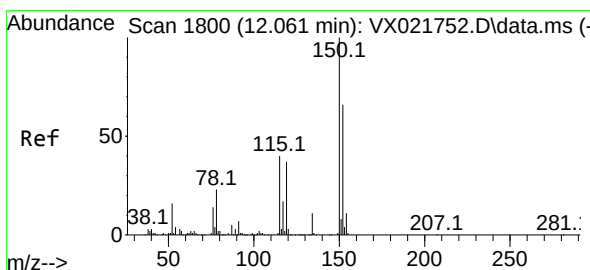
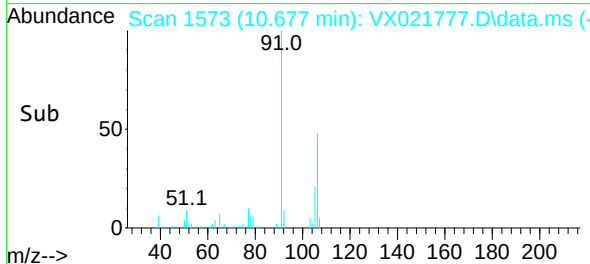
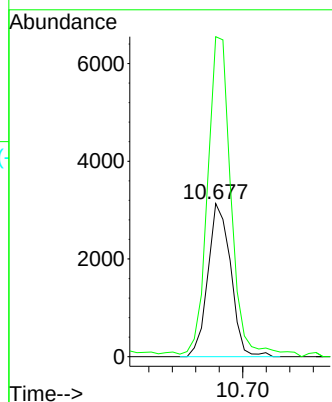
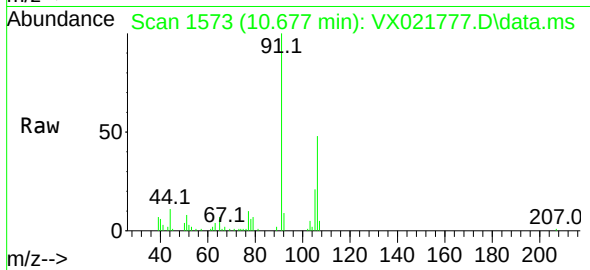
Acq: 21 Apr 2021 00:33

Tgt Ion:106 Resp: 4219

Ion Ratio Lower Upper

106 100

91 216.7 108.1 324.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.061 min Scan# 1800

Delta R.T. -0.000 min

Lab File: VX021777.D

Acq: 21 Apr 2021 00:33

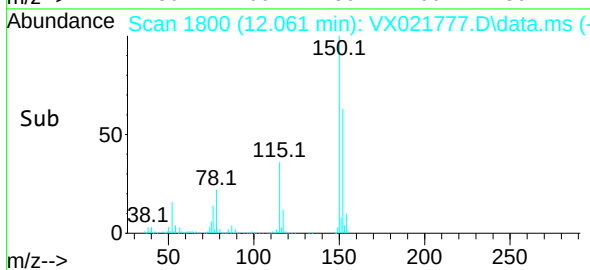
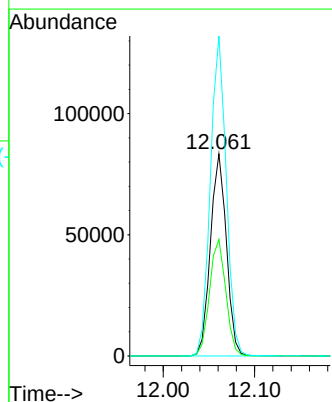
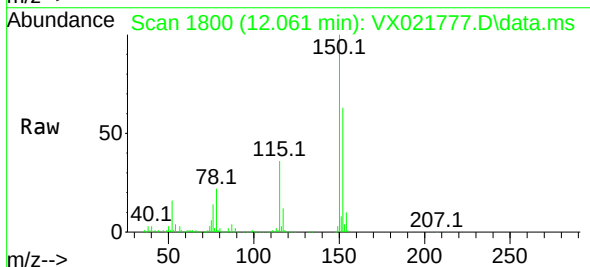
Tgt Ion:152 Resp: 101091

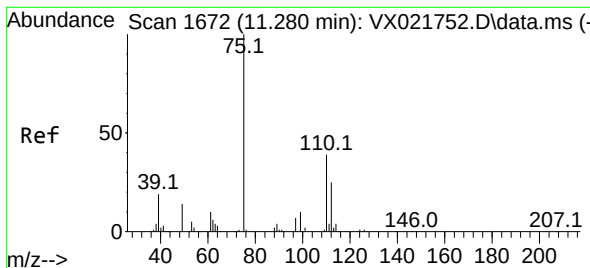
Ion Ratio Lower Upper

152 100

115 58.6 41.1 123.3

150 157.1 0.0 349.0

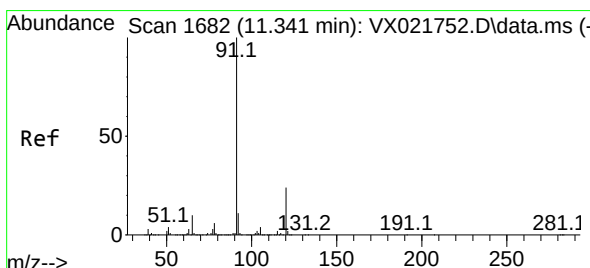
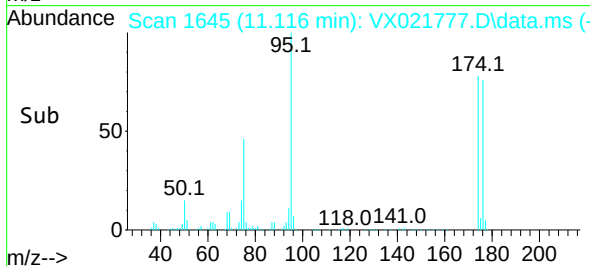
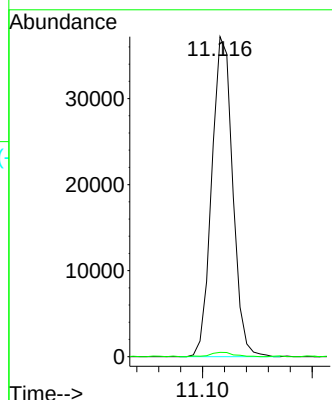
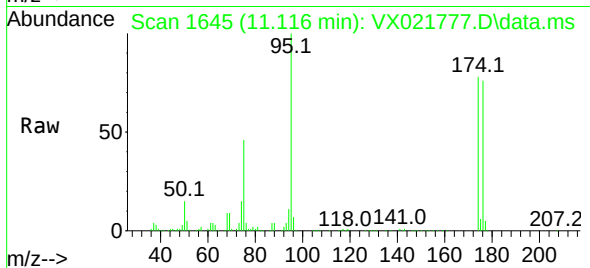




#76
1,2,3-Trichloropropane
Concen: 24.61 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

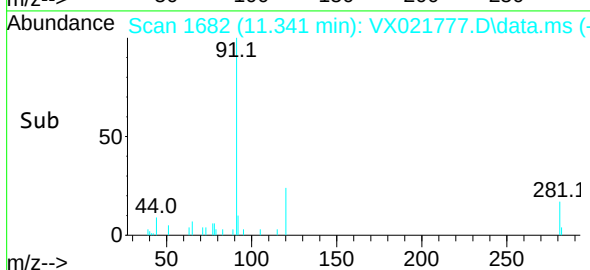
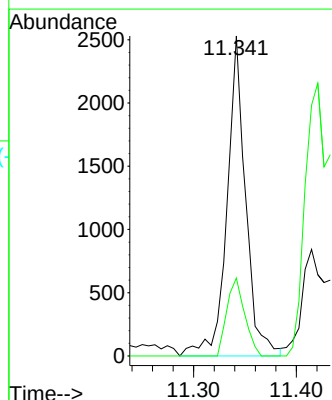
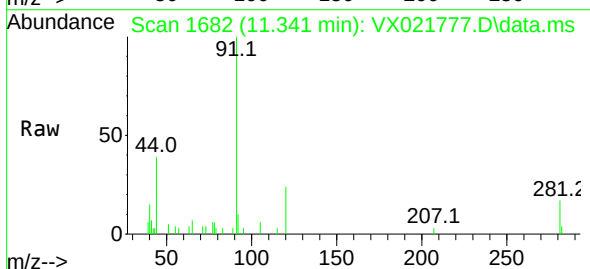
Instrument :
MSVOA_X
ClientSampled :

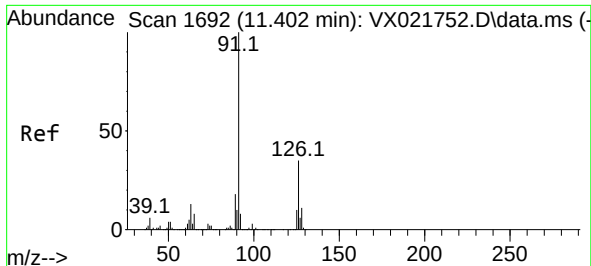
Tgt Ion: 75 Resp: 49343
Ion Ratio Lower Upper
75 100
77 1.6 19.1 57.5#



#78
n-propylbenzene
Concen: 0.41 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 91 Resp: 3188
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.5

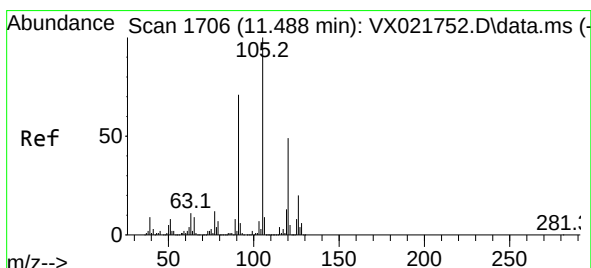
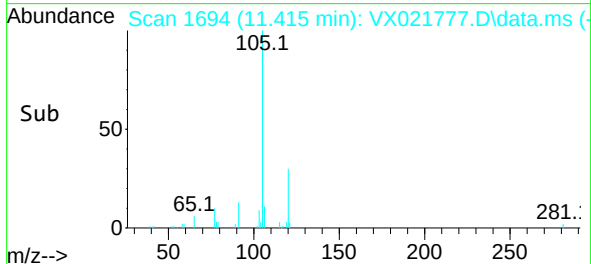
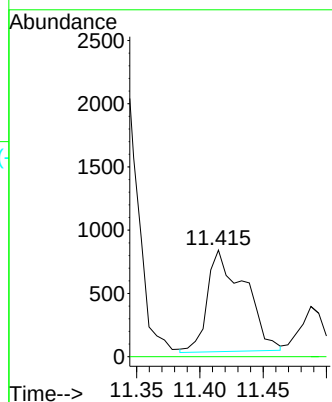
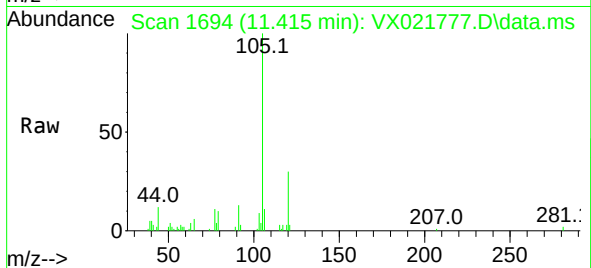




#79
2-Chlorotoluene
Concen: 0.36 ug/l
RT: 11.415 min Scan# 1694
Delta R.T. 0.013 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

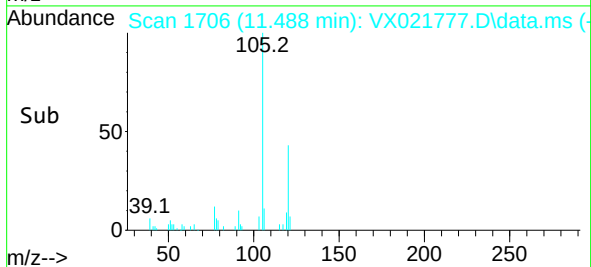
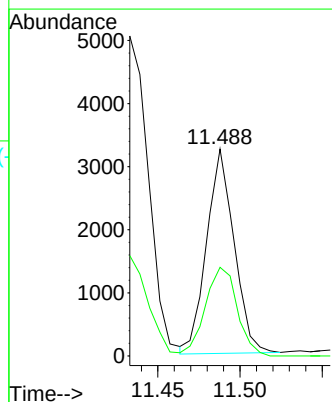
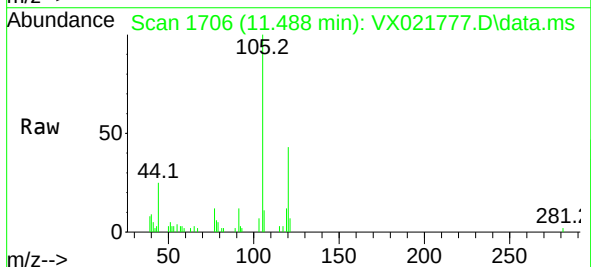
Instrument :
MSVOA_X
ClientSampleId :

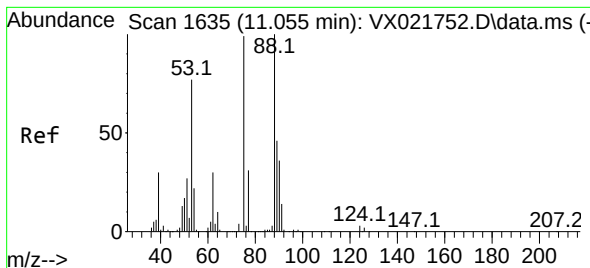
Tgt Ion: 91 Resp: 1653
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.63 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

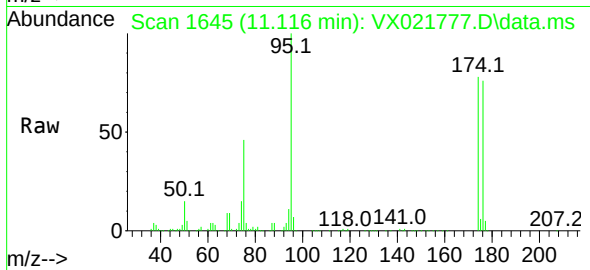
Tgt Ion: 105 Resp: 3766
Ion Ratio Lower Upper
105 100
120 50.2 23.8 71.5



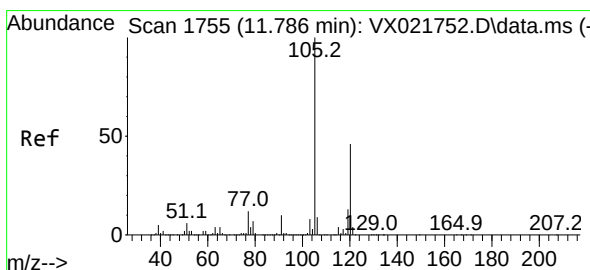
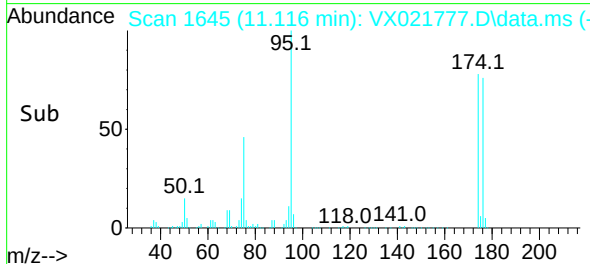
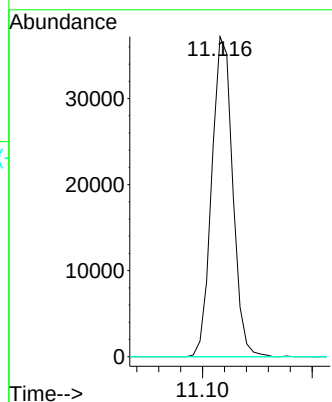


#81
trans-1,4-Dichloro-2-butene
Concen: 56.60 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Instrument :
MSVOA_X
ClientSampleId :

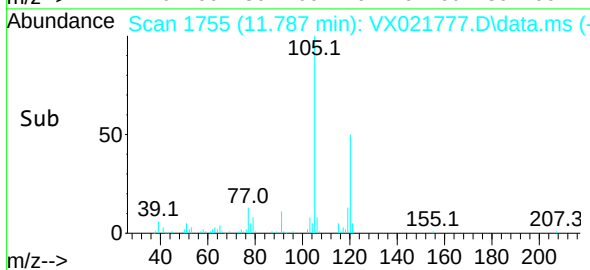
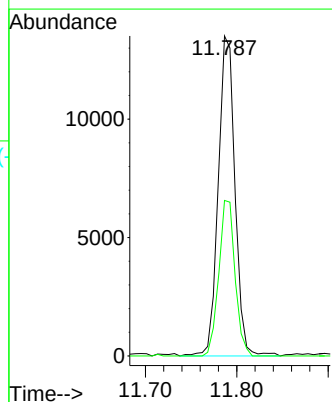
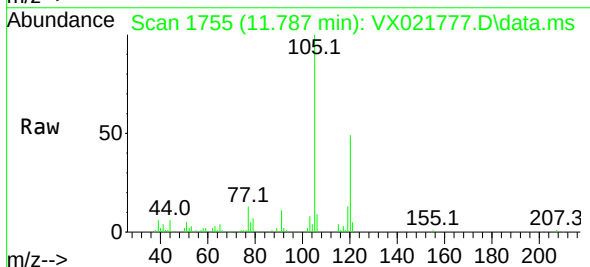


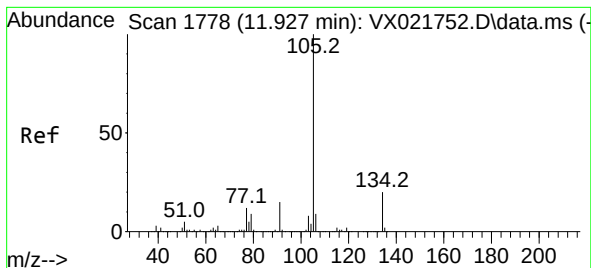
Tgt Ion: 75 Resp: 49343
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.85 ug/l
RT: 11.787 min Scan# 1755
Delta R.T. 0.001 min
Lab File: VX021777.D
Acq: 21 Apr 2021 00:33

Tgt Ion: 105 Resp: 17264
Ion Ratio Lower Upper
105 100
120 47.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 2.51 ug/l

RT: 11.787 min Scan# 1755

Delta R.T. -0.140 min

Lab File: VX021777.D

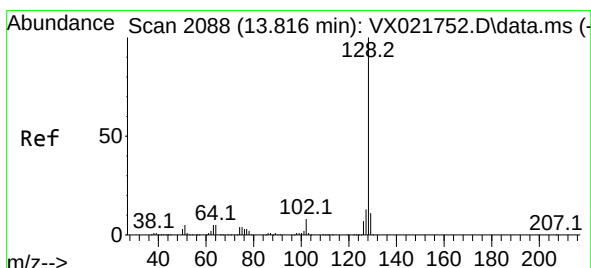
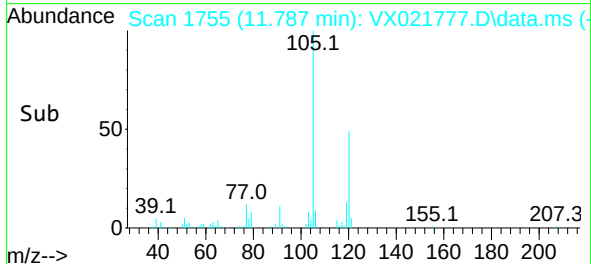
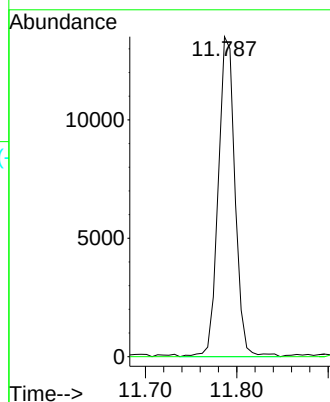
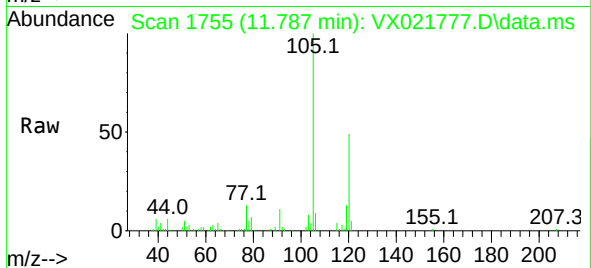
Acq: 21 Apr 2021 00:33

Tgt Ion:105 Resp: 17264

Ion Ratio Lower Upper

105 100

134 0.0 10.0 29.8#



#95

Naphthalene

Concen: 1.04 ug/l

RT: 13.817 min Scan# 2088

Delta R.T. 0.001 min

Lab File: VX021777.D

Acq: 21 Apr 2021 00:33

Tgt Ion:128 Resp: 7106

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 12.2 8.8 13.2

