

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042121\
 Data File : VX021801.D
 Acq On : 21 Apr 2021 18:29
 Operator : JC/MD
 Sample : M2114-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 22 09:01:04 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

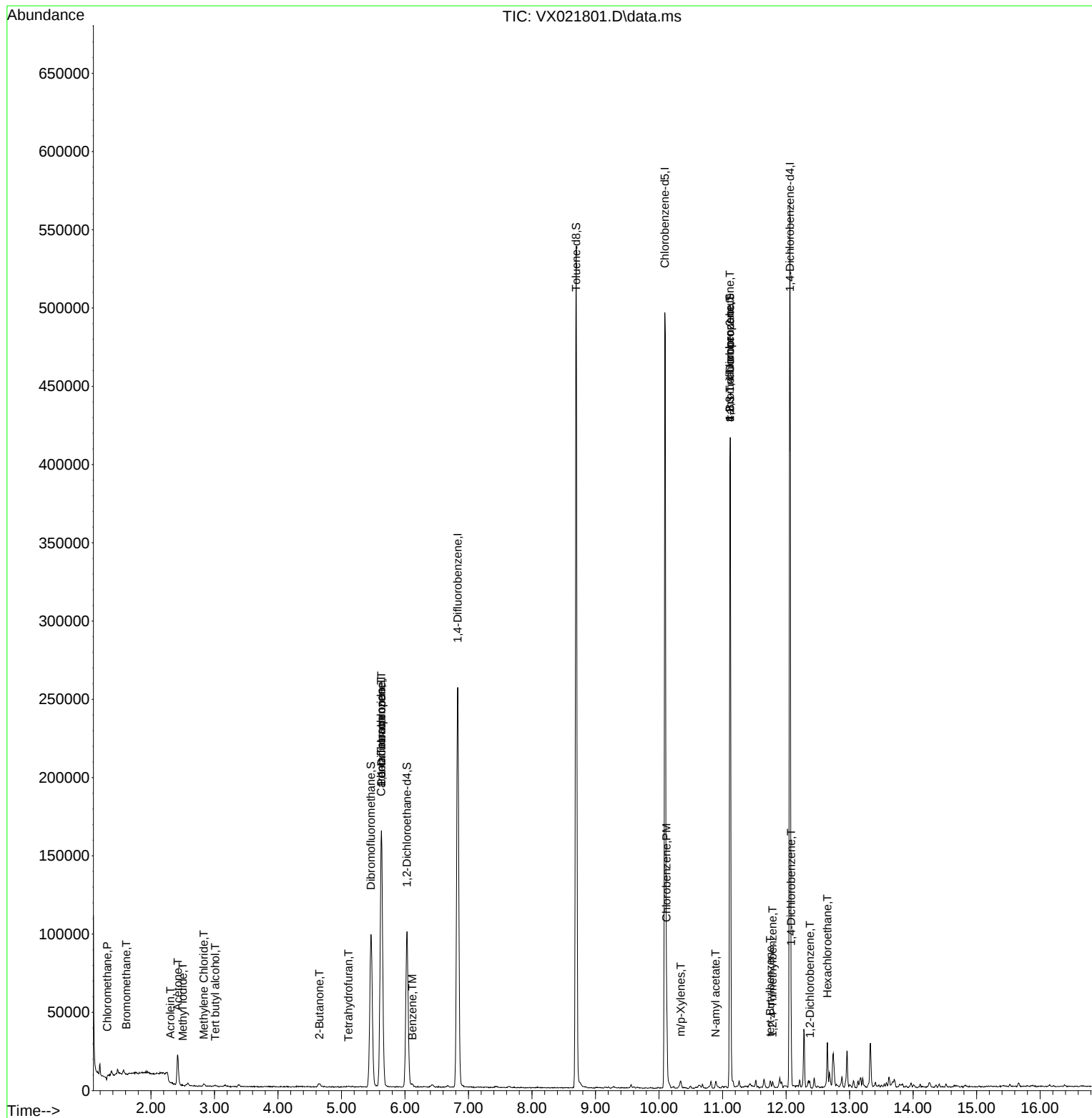
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	162440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	276740	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	251532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	121725	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	93177	50.56	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.12%
35) Dibromofluoromethane	5.464	113	86841	49.07	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.14%
50) Toluene-d8	8.696	98	332365	48.84	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.68%
62) 4-Bromofluorobenzene	11.116	95	120705	47.50	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.00%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	1569	1.06	ug/l	94
5) Bromomethane	1.611	94	229	0.28	ug/l #	2
10) Methyl Iodide	2.502	142	19	8.16	ug/l #	42
11) Tert butyl alcohol	3.014	59	1145	2.84	ug/l #	75
13) Acrolein	2.306	56	82	0.25	ug/l #	14
16) Acetone	2.422	43	20248	31.96	ug/l	97
20) Methylene Chloride	2.831	84	777	0.41	ug/l #	79
25) 2-Butanone	4.654	43	812	0.76	ug/l	90
29) Tetrahydrofuran	5.111	42	585	0.84	ug/l #	35
36) 1,1-Dichloropropene	5.629	75	11027	4.51	ug/l #	50
38) Carbon Tetrachloride	5.623	117	15284	5.71	ug/l #	16
40) Benzene	6.117	78	1885	0.26	ug/l #	89
65) Chlorobenzene	10.116	112	21035	4.05	ug/l	98
68) m/p-Xylenes	10.342	106	820	0.24	ug/l	99
74) N-amyl acetate	10.890	43	757	0.23	ug/l #	4
76) 1,2,3-Trichloropropane	11.116	75	55549	23.01	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	55549	52.92	ug/l #	12
83) tert-Butylbenzene	11.750	119	1929	0.27	ug/l	86
84) 1,2,4-Trimethylbenzene	11.786	105	1465	0.20	ug/l	84
88) 1,4-Dichlorobenzene	12.079	146	5374	1.37	ug/l #	76
90) Hexachloroethane	12.652	117	1165	0.81	ug/l #	9
91) 1,2-Dichlorobenzene	12.378	146	788	0.21	ug/l	96

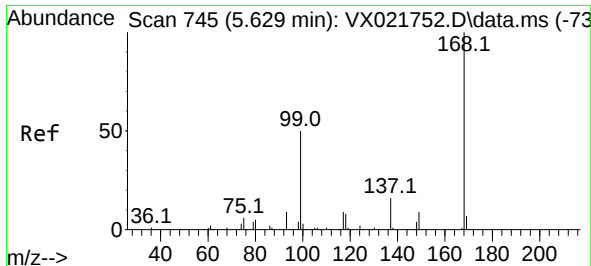
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 20 13:46:22 2021
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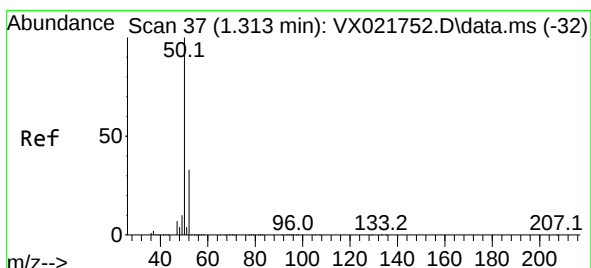
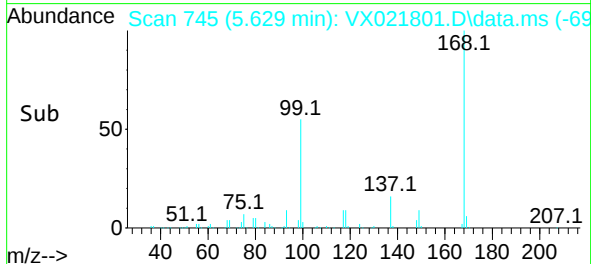
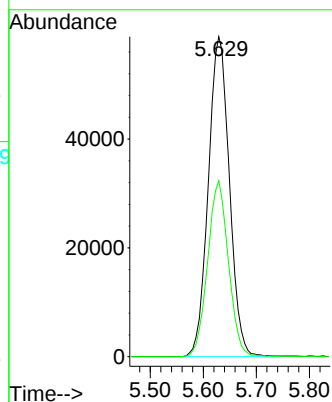
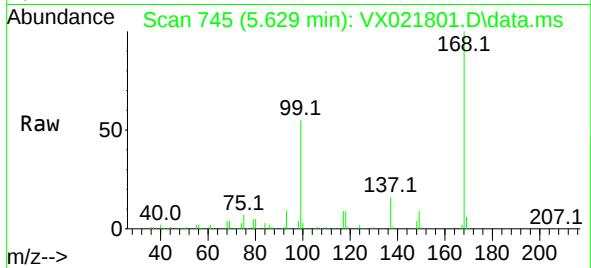




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

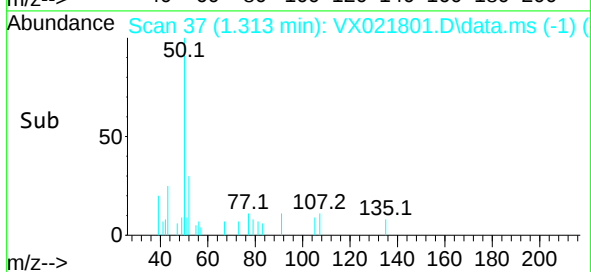
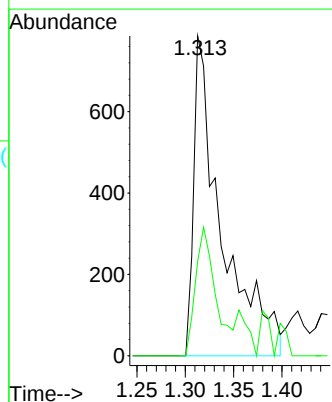
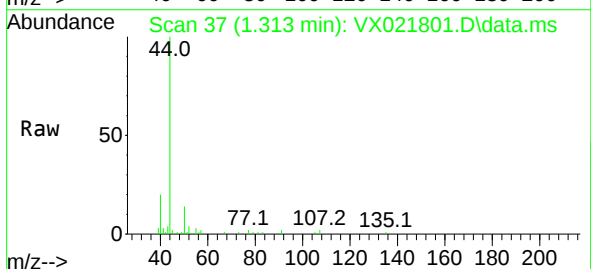
Instrument :
MSVOA_X
ClientSampled :

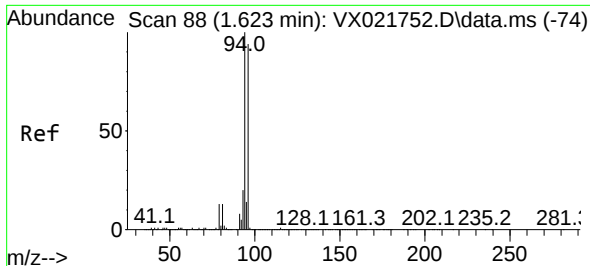
Tgt Ion:168 Resp: 162440
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#3
Chloromethane
Concen: 1.06 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 50 Resp: 1569
Ion Ratio Lower Upper
50 100
52 29.5 26.4 39.6

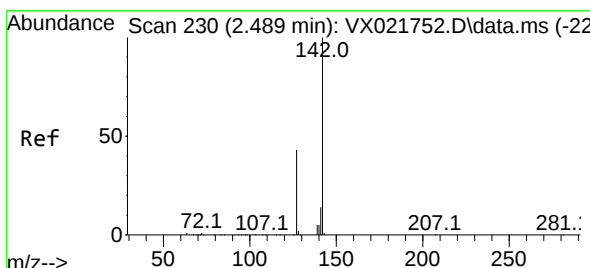
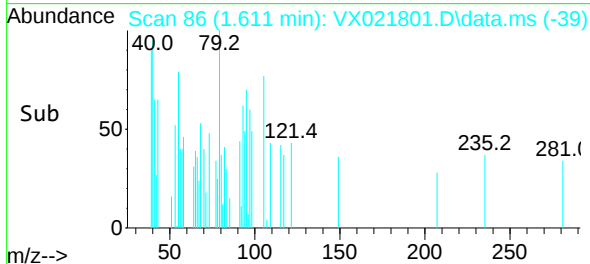
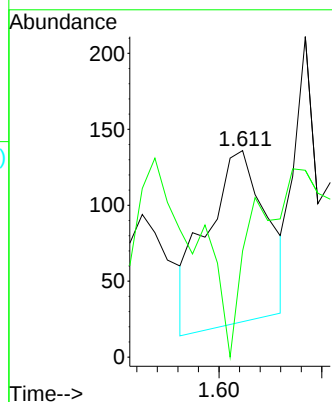
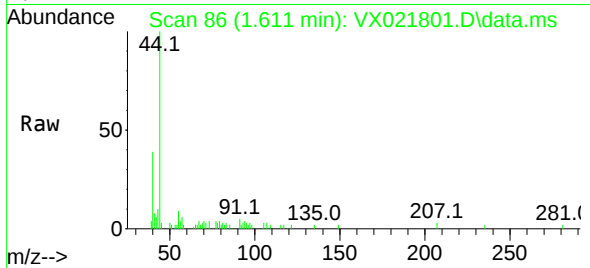




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.012 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

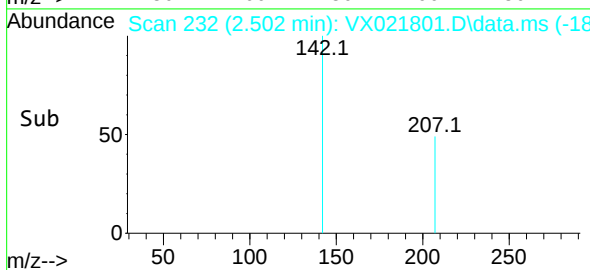
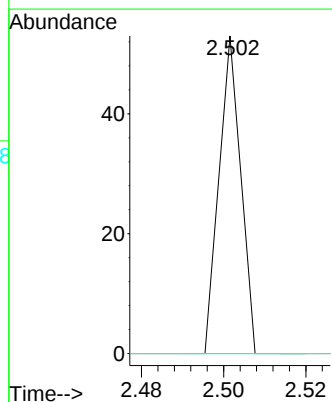
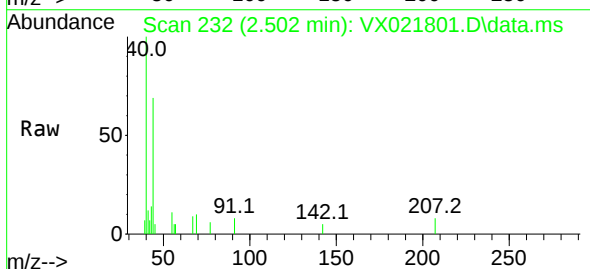
Instrument :
MSVOA_X
ClientSampled :

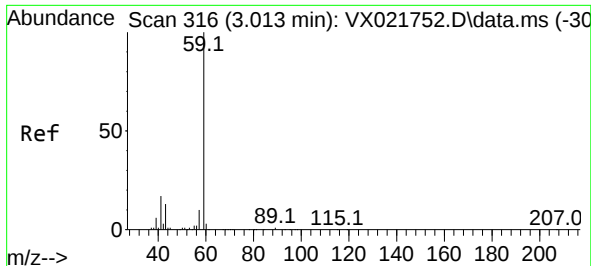
Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#10
Methyl Iodide
Concen: 8.16 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



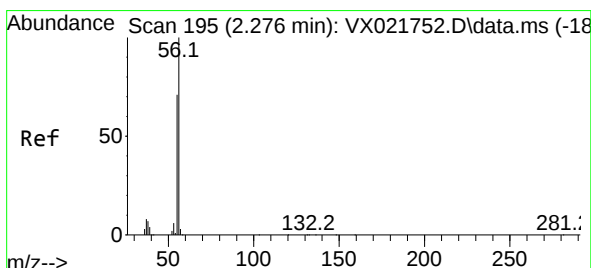
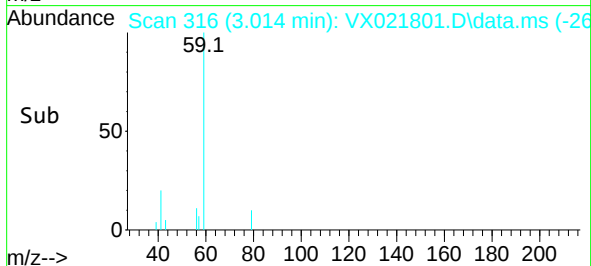
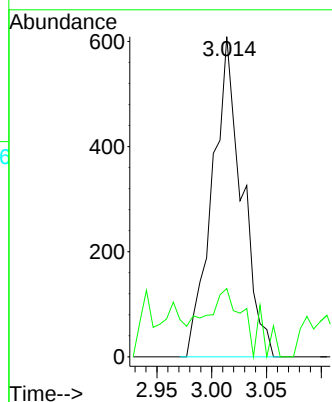
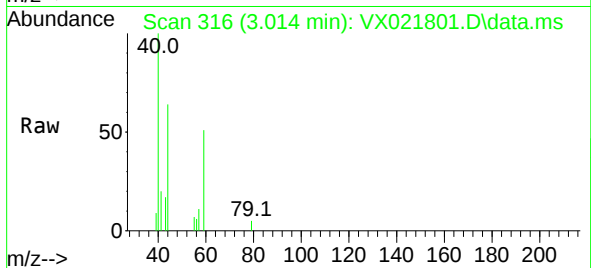


#11

Tert butyl alcohol
Concen: 2.84 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Instrument :
MSVOA_X
ClientSampled :

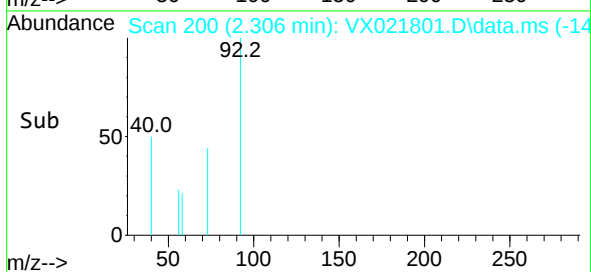
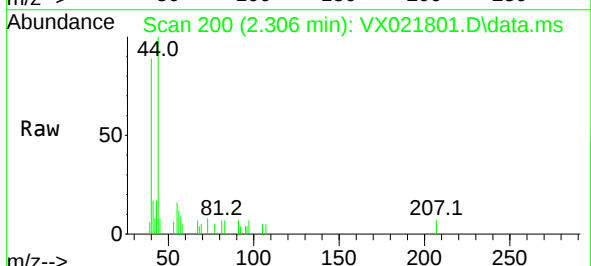
Tgt Ion: 59 Resp: 1145
Ion Ratio Lower Upper
59 100
57 18.9 7.8 11.8#

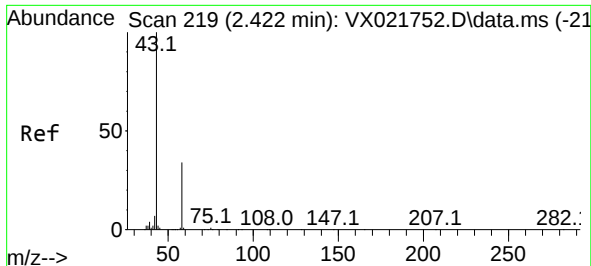


#13

Acrolein
Concen: 0.25 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.030 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

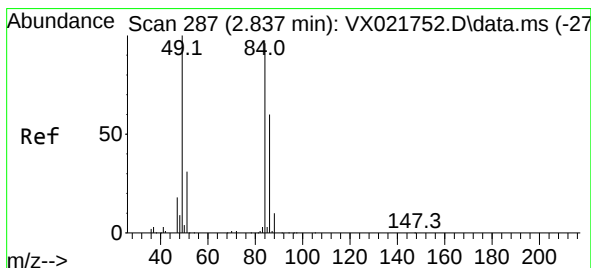
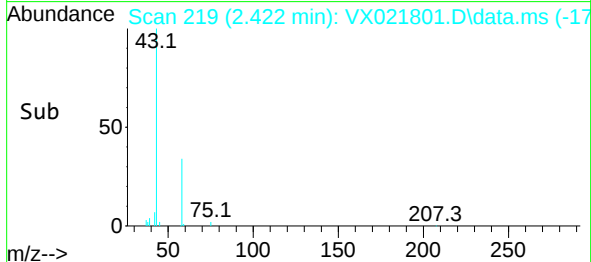
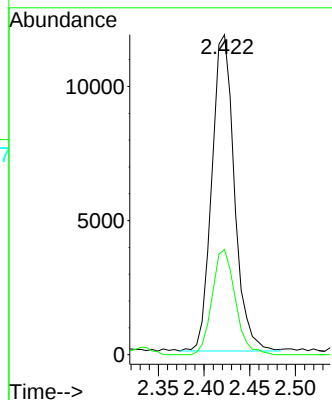
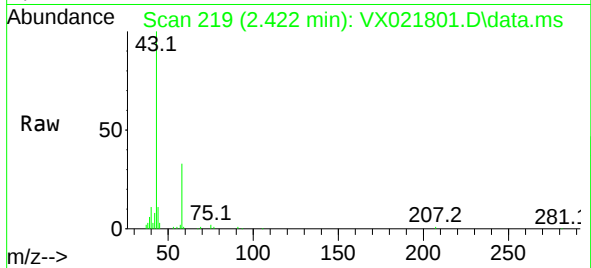




#16
Acetone
Concen: 31.96 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

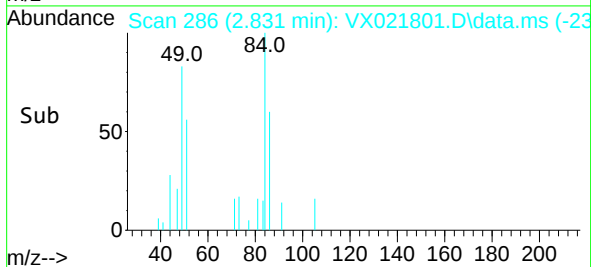
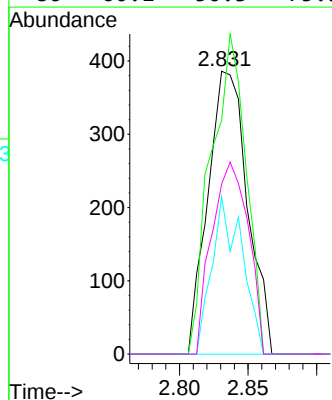
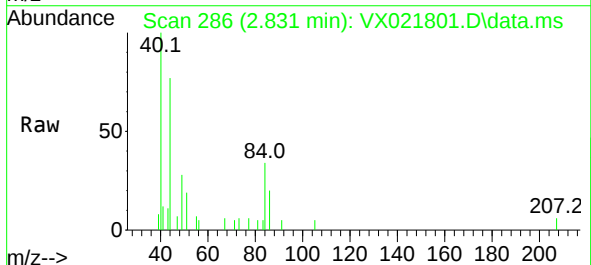
Instrument :
MSVOA_X
ClientSampled :

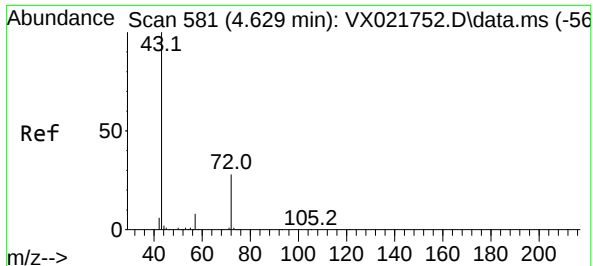
Tgt Ion: 43 Resp: 20248
Ion Ratio Lower Upper
43 100
58 33.3 27.8 41.8



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.006 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 84 Resp: 777
Ion Ratio Lower Upper
84 100
49 82.6 88.6 132.8#
51 55.7 27.0 40.6#
86 60.1 50.3 75.5

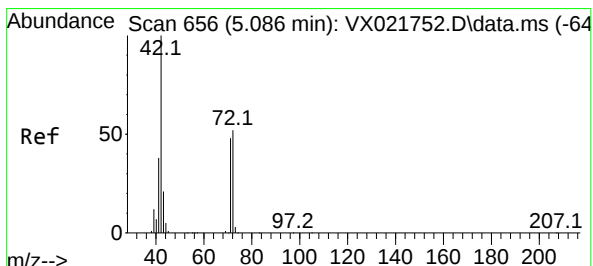
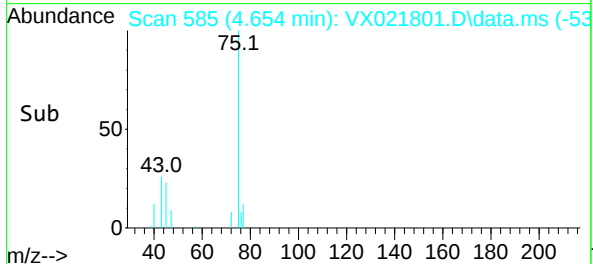
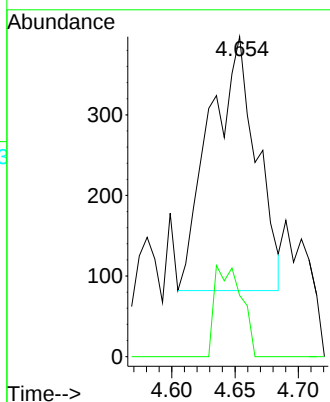
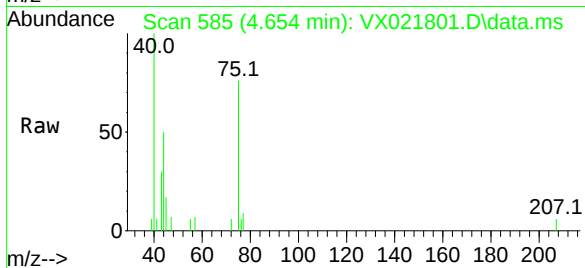




#25
2-Butanone
Concen: 0.76 ug/l
RT: 4.654 min Scan# 585
Delta R.T. 0.025 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

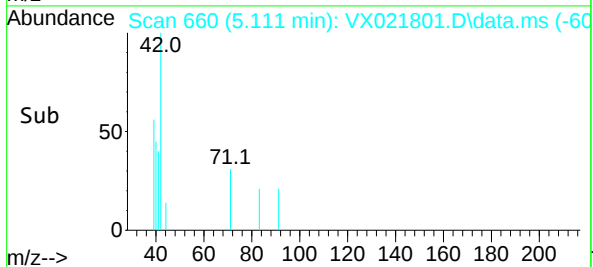
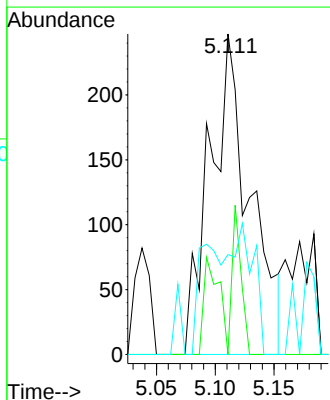
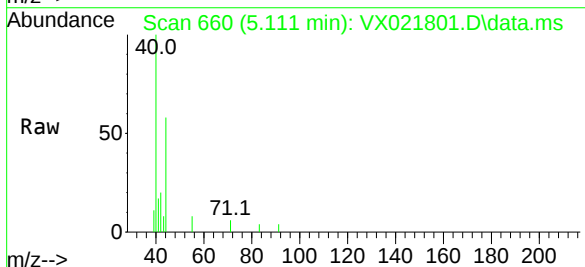
Instrument :
MSVOA_X
ClientSampleId :

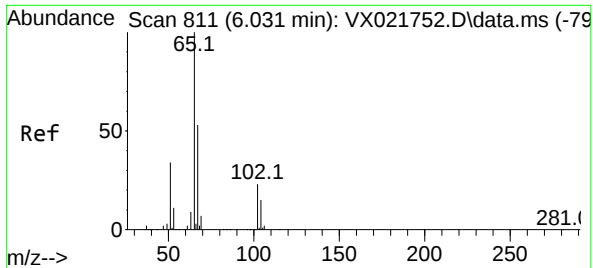
Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
72 24.1 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.025 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 42 Resp: 585
Ion Ratio Lower Upper
42 100
72 10.4 41.7 62.5#
71 0.0 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 50.56 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021801.D

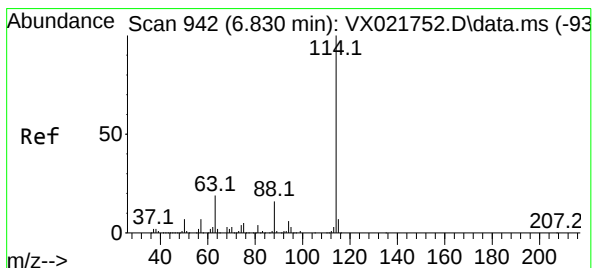
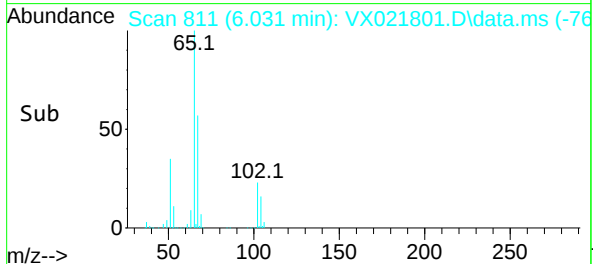
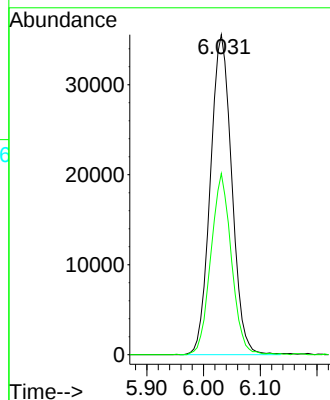
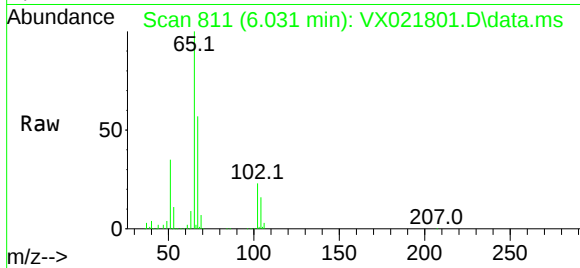
Acq: 21 Apr 2021 18:29

Tgt Ion: 65 Resp: 93177

Ion Ratio Lower Upper

65 100

67 54.2 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: VX021801.D

Acq: 21 Apr 2021 18:29

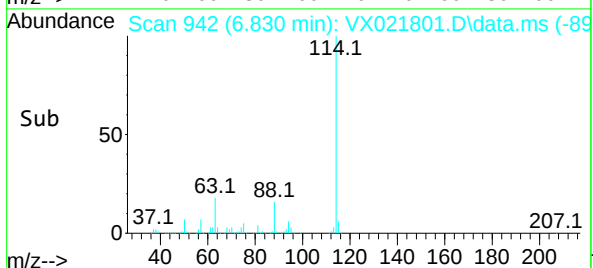
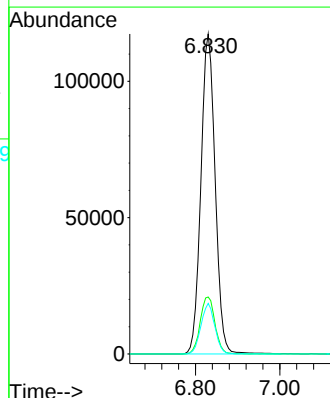
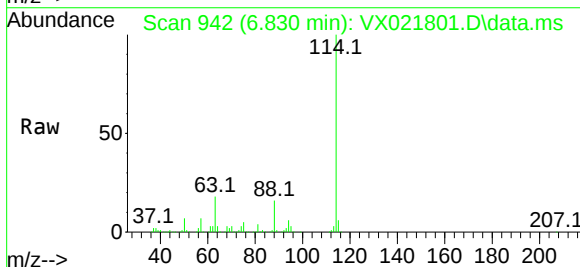
Tgt Ion: 114 Resp: 276740

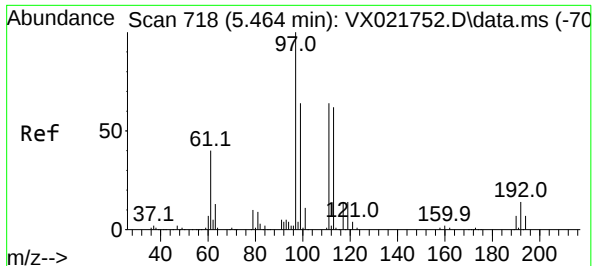
Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.8

88 15.8 0.0 32.8

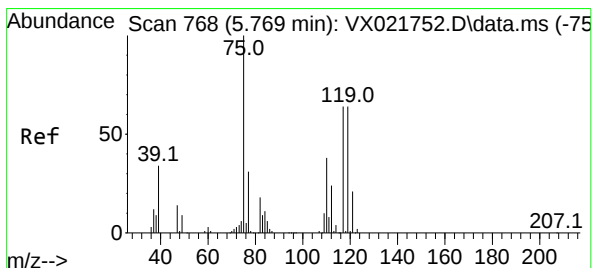
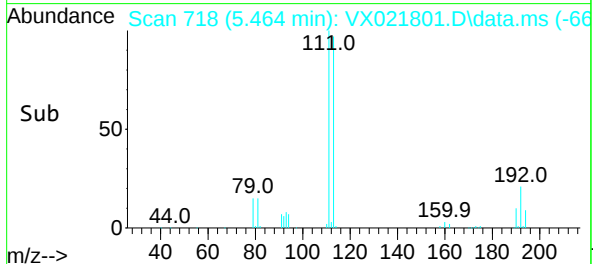
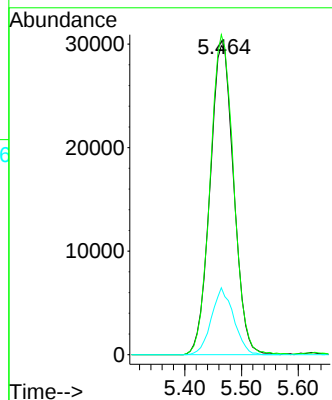
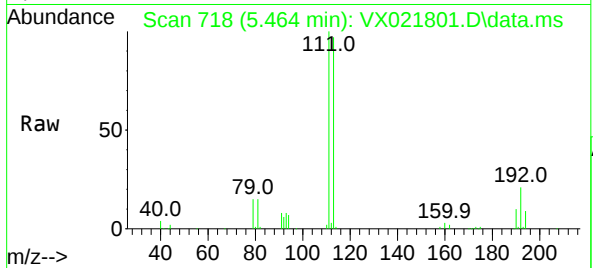




#35
Dibromofluoromethane
Concen: 49.07 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

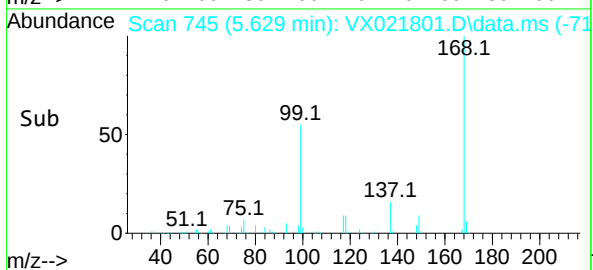
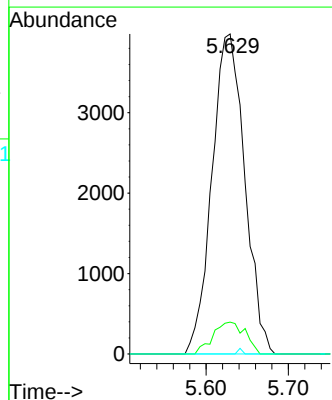
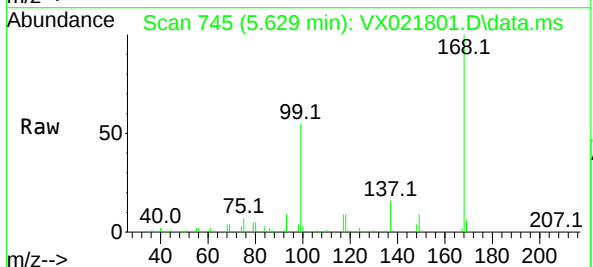
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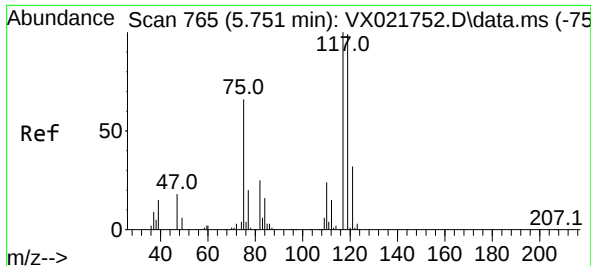
Tgt Ion:113 Resp: 86841
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 20.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

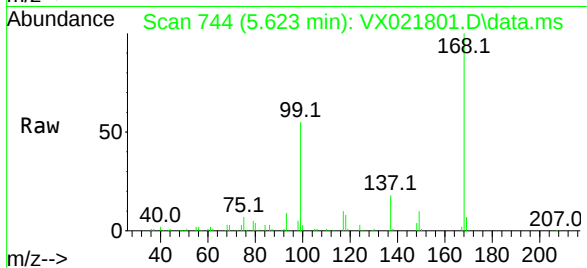
Tgt Ion: 75 Resp: 11027
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.2 25.3 37.9#



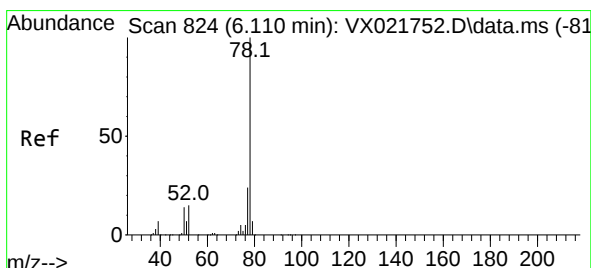
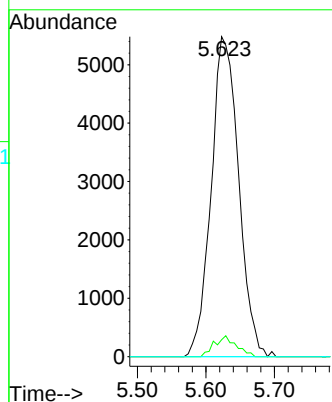
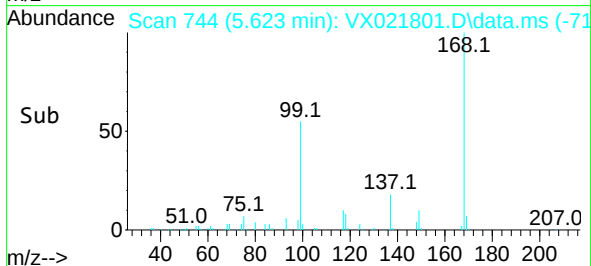


#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

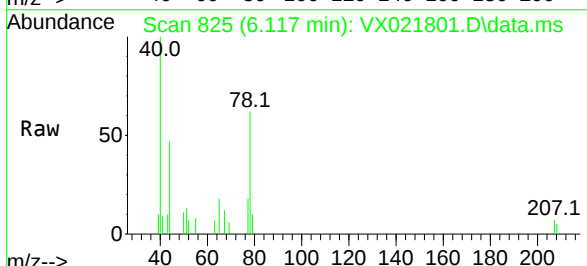
Instrument :
MSVOA_X
ClientSampled :



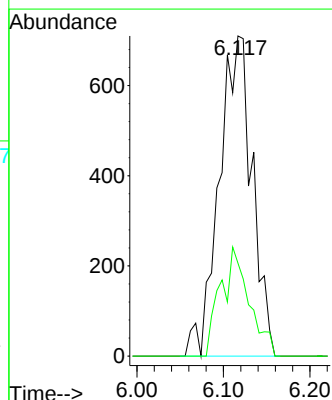
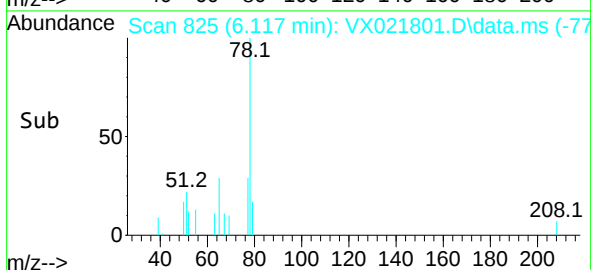
Tgt Ion:117 Resp: 15284
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

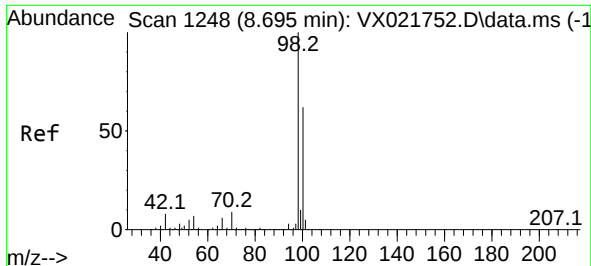


#40
Benzene
Concen: 0.26 ug/l
RT: 6.117 min Scan# 825
Delta R.T. 0.007 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29



Tgt Ion: 78 Resp: 1885
Ion Ratio Lower Upper
78 100
77 29.0 18.9 28.3#

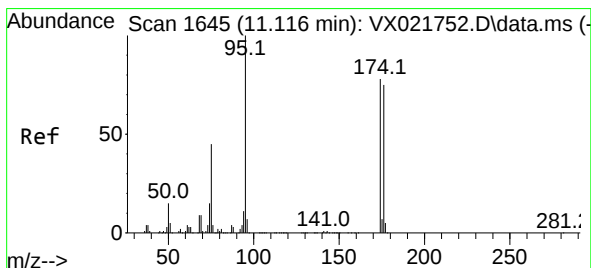
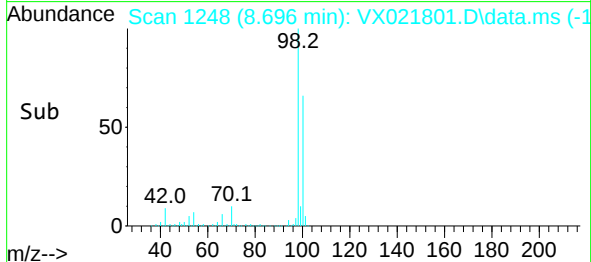
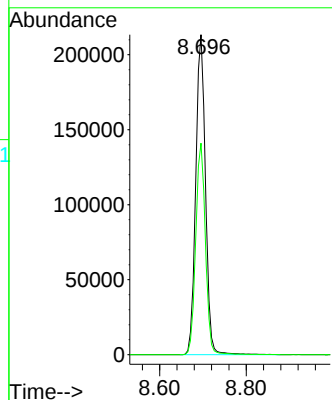
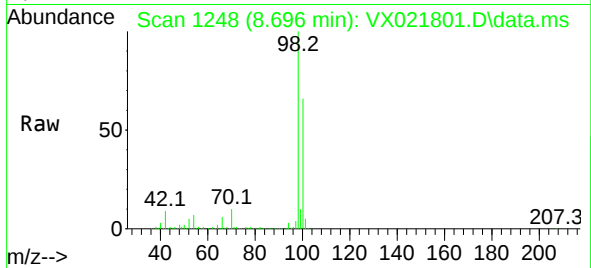




#50
Toluene-d8
Concen: 48.84 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

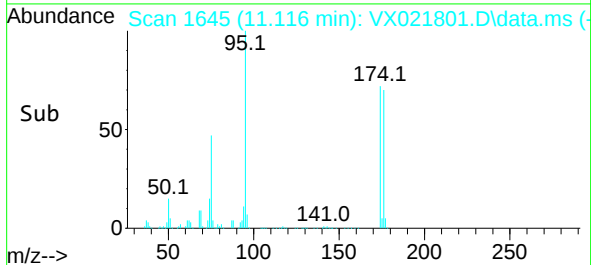
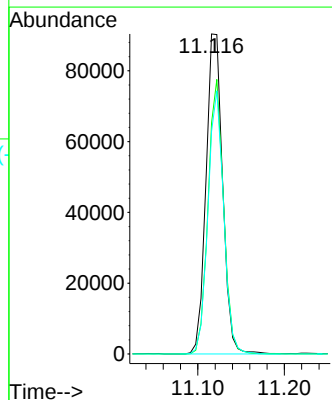
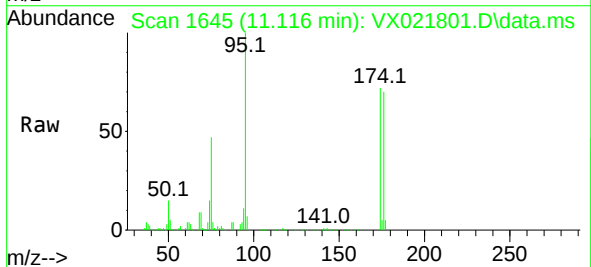
Instrument :
MSVOA_X
ClientSampled :

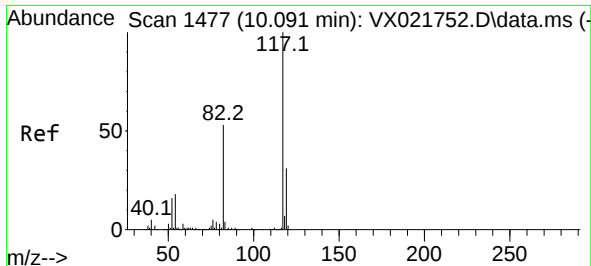
Tgt Ion: 98 Resp: 332365
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.50 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 95 Resp: 120705
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 77.5 0.0 155.8

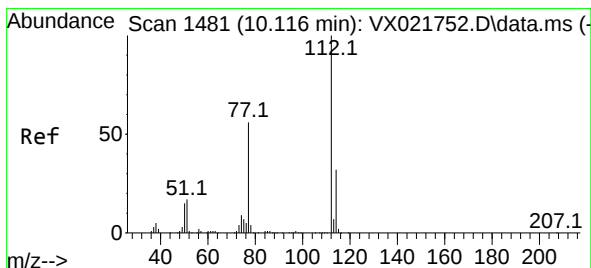
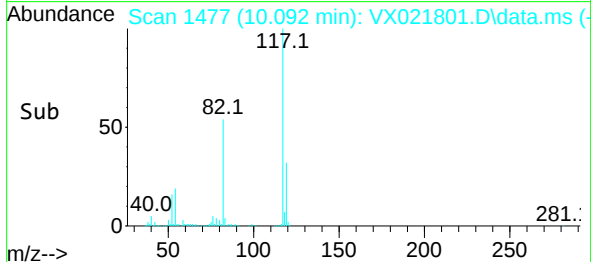
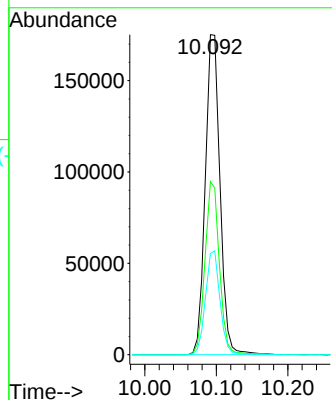
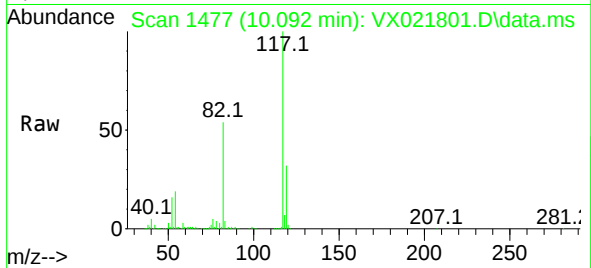




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

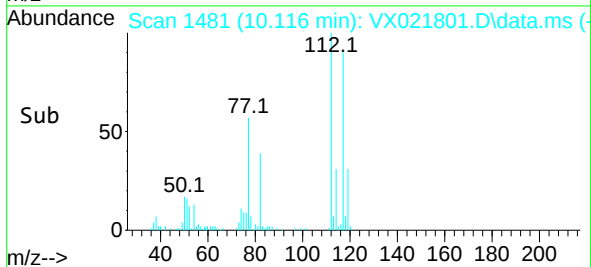
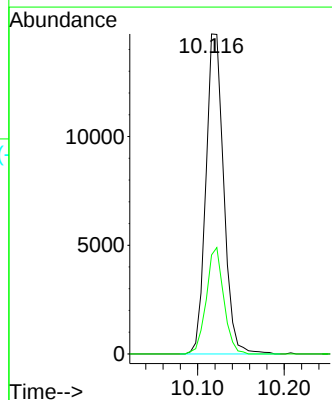
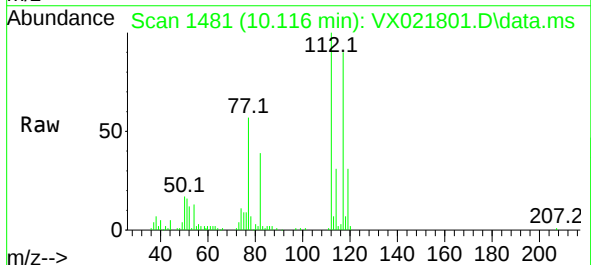
Instrument :
MSVOA_X
ClientSampled :

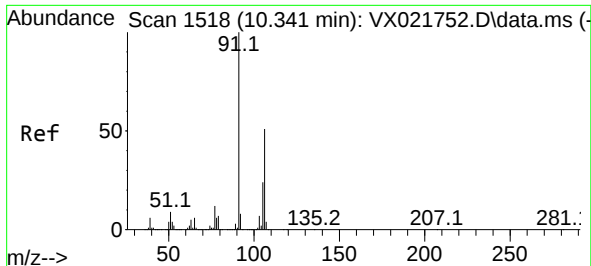
Tgt Ion:117 Resp: 251532
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 31.6 26.6 39.8



#65
Chlorobenzene
Concen: 4.05 ug/l
RT: 10.116 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion:112 Resp: 21035
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6

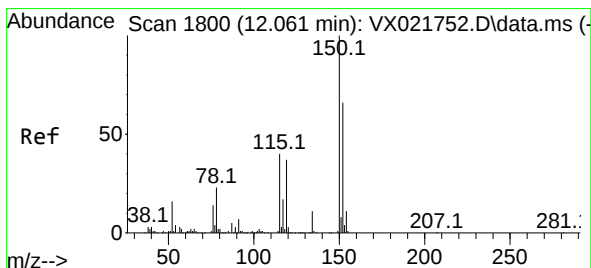
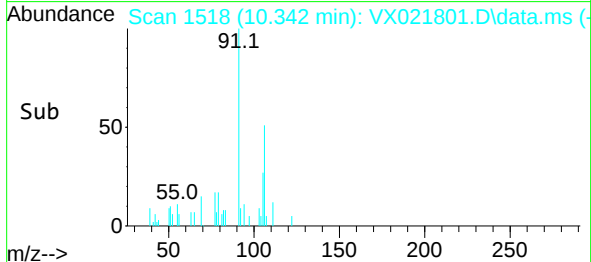
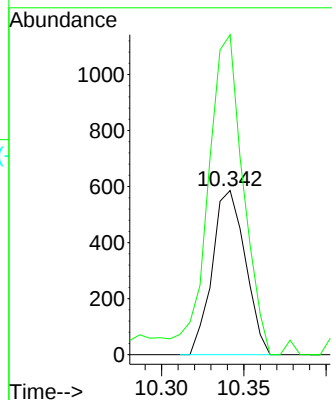
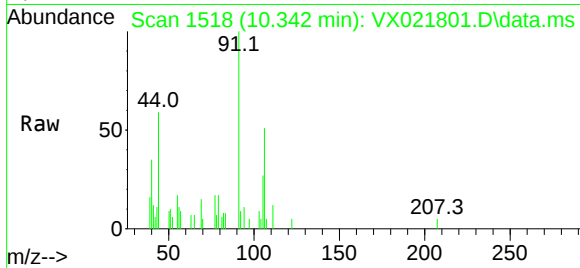




#68
m/p-Xylenes
Concen: 0.24 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. 0.001 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

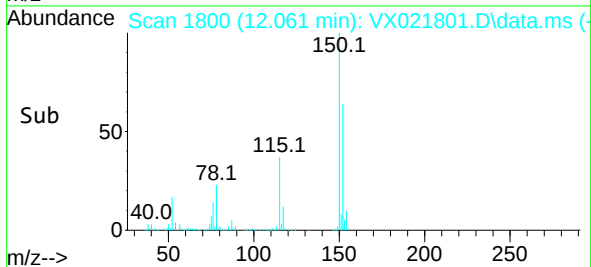
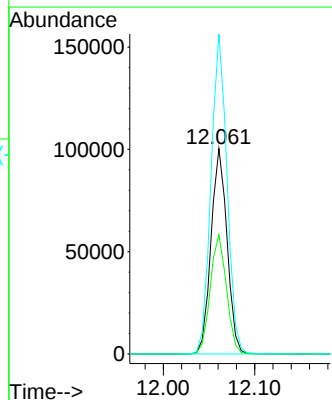
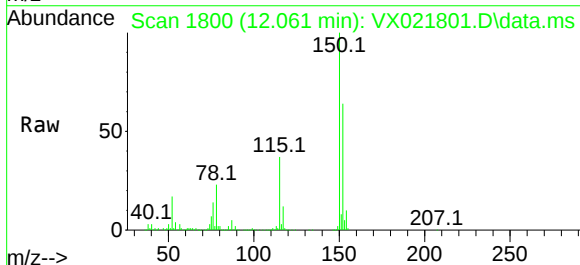
Instrument :
MSVOA_X
ClientSampled :

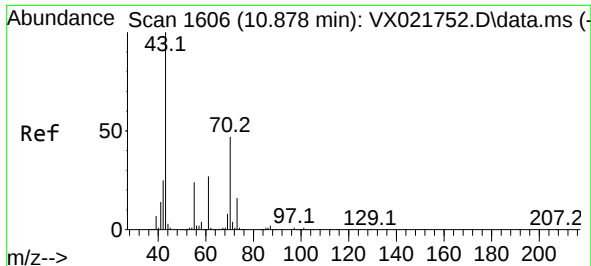
Tgt Ion:106 Resp: 820
Ion Ratio Lower Upper
106 100
91 205.4 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

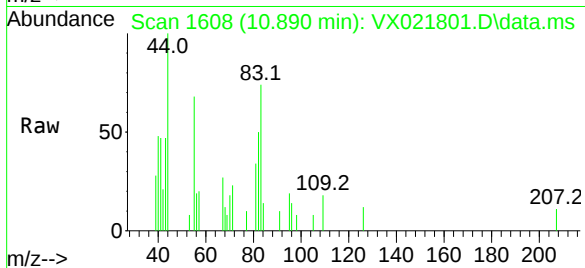
Tgt Ion:152 Resp: 121725
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 155.3 0.0 349.0



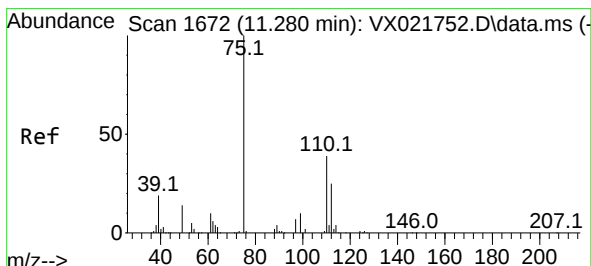
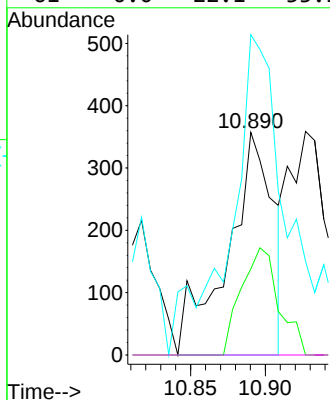
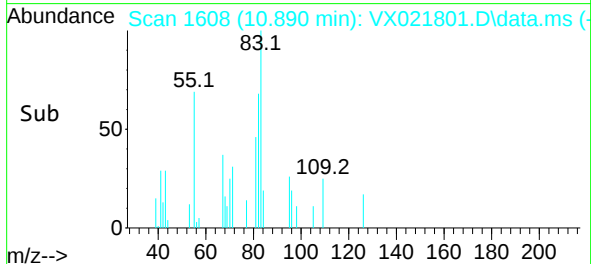


#74
N-amy1 acetate
Concen: 0.23 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.012 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

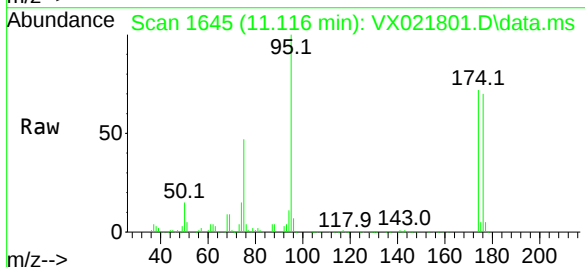
Instrument :
MSVOA_X
ClientSampled :



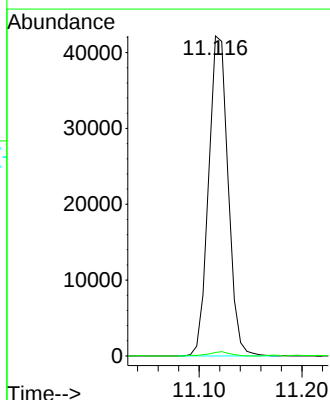
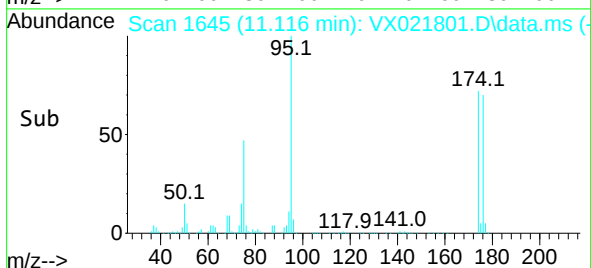
Tgt Ion: 43	Resp: 757
Ion Ratio	Lower Upper
43 100	
70 39.9	39.0 58.6
55 176.9	21.5 32.3#
61 0.0	22.1 33.1#

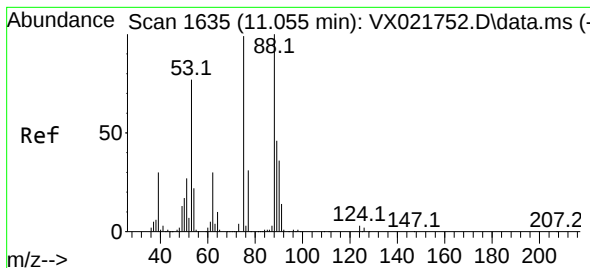


#76
1,2,3-Trichloropropane
Concen: 23.01 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29



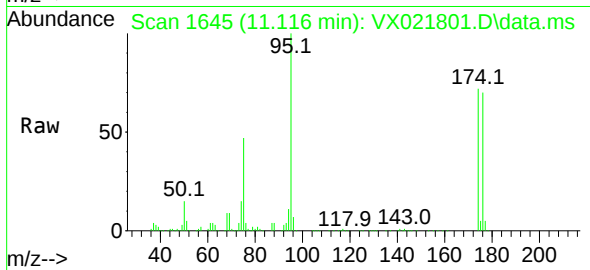
Tgt Ion: 75	Resp: 55549
Ion Ratio	Lower Upper
75 100	
77 1.5	19.1 57.5#



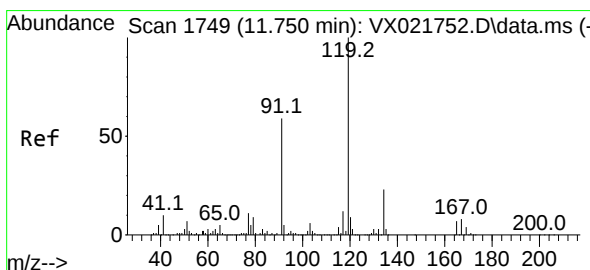
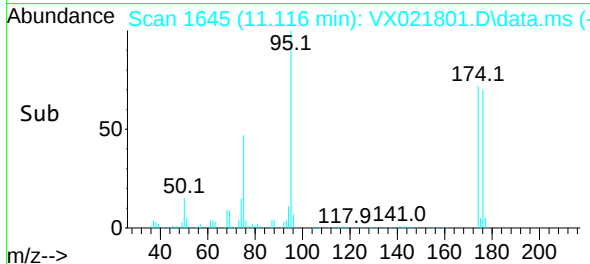
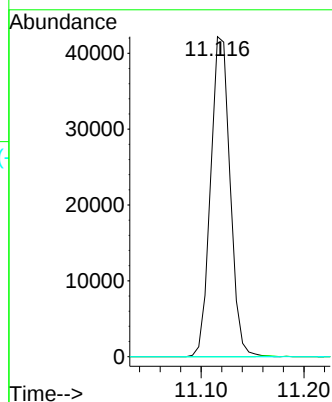


#81
trans-1,4-Dichloro-2-butene
Concen: 52.92 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Instrument :
MSVOA_X
ClientSampled :

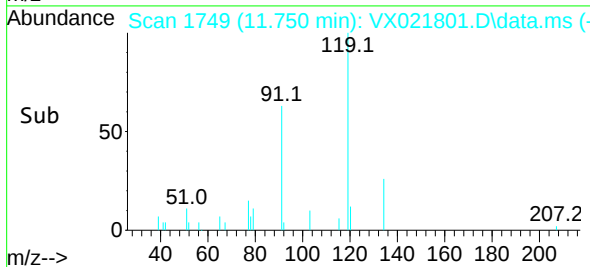
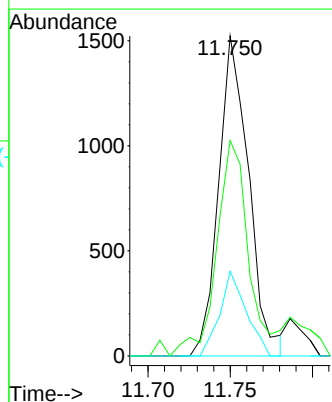
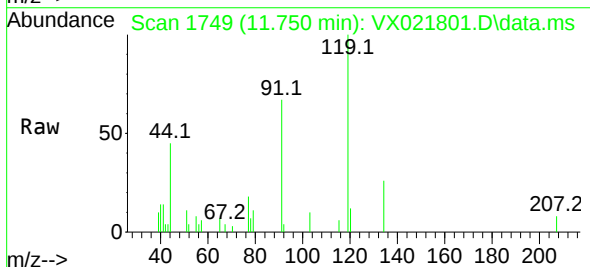


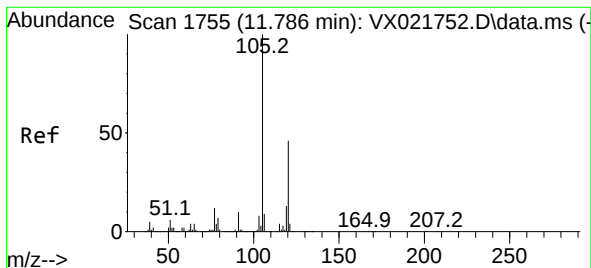
Tgt Ion: 75 Resp: 55549
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#83
tert-Butylbenzene
Concen: 0.27 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion: 119 Resp: 1929
Ion Ratio Lower Upper
119 100
91 70.0 27.9 83.7
134 23.4 11.3 33.9





#84

1,2,4-Trimethylbenzene

Concen: 0.20 ug/l

RT: 11.786 min Scan# 1755

Delta R.T. 0.000 min

Lab File: VX021801.D

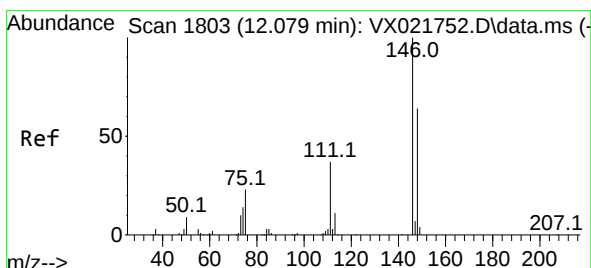
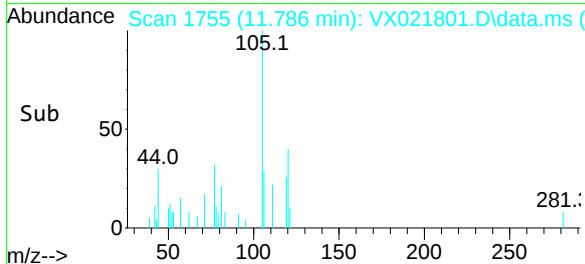
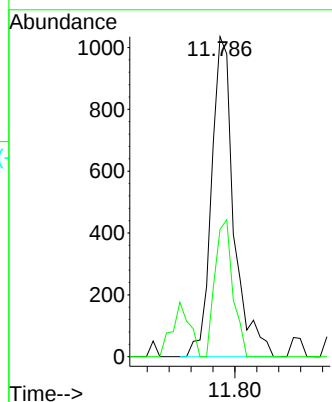
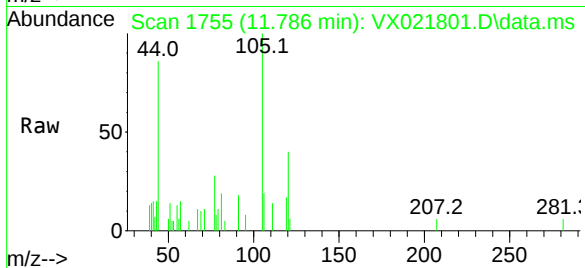
Acq: 21 Apr 2021 18:29

Tgt Ion:105 Resp: 1465

Ion Ratio Lower Upper

105 100

120 34.3 22.4 67.3



#88

1,4-Dichlorobenzene

Concen: 1.37 ug/l

RT: 12.079 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VX021801.D

Acq: 21 Apr 2021 18:29

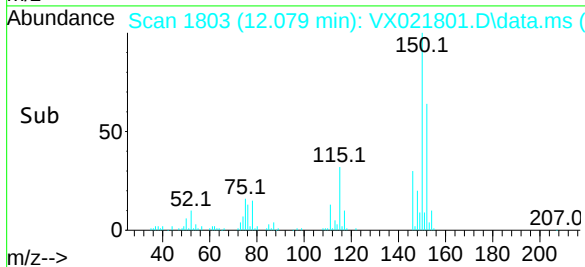
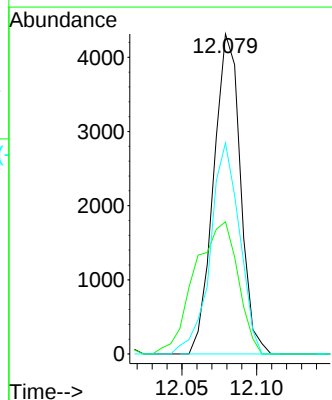
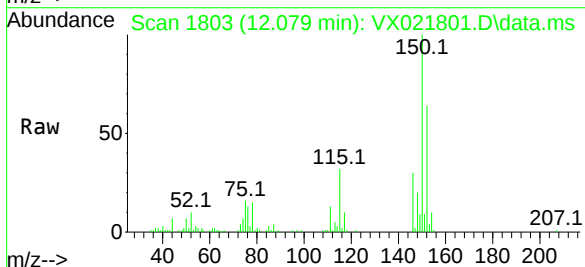
Tgt Ion:146 Resp: 5374

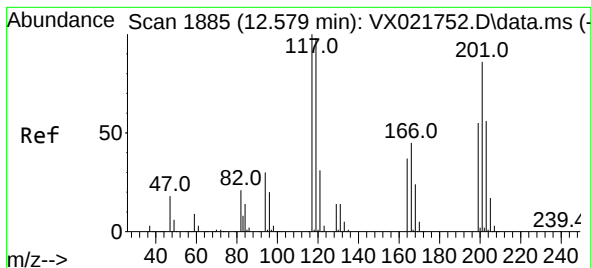
Ion Ratio Lower Upper

146 100

111 66.5 19.6 58.8#

148 71.9 31.6 95.0

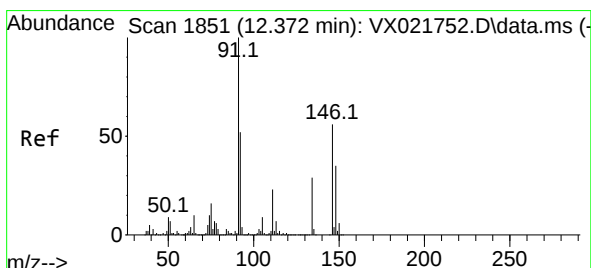
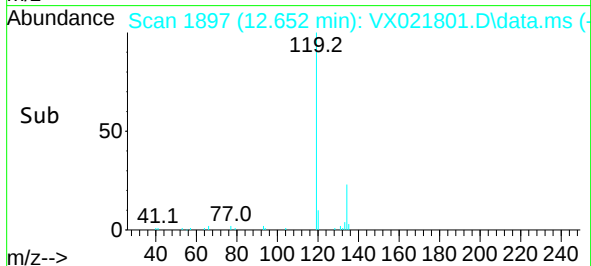
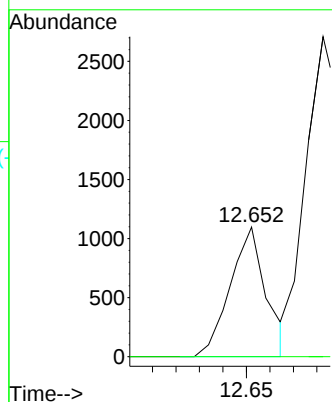
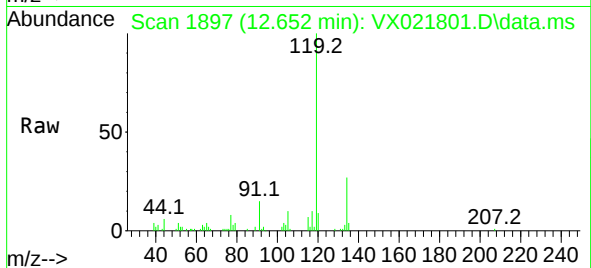




#90
Hexachloroethane
Concen: 0.81 ug/l
RT: 12.652 min Scan# 1897
Delta R.T. 0.073 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 1165
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#91
1,2-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.378 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VX021801.D
Acq: 21 Apr 2021 18:29

Tgt Ion:146 Resp: 788
Ion Ratio Lower Upper
146 100
111 46.6 20.8 62.2
148 64.2 31.9 95.5

