

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032321\
 Data File : VX021380.D
 Acq On : 23 Mar 2021 13:18
 Operator : JC/MD
 Sample : M1701-02DL 10X
 Misc : 5.56g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

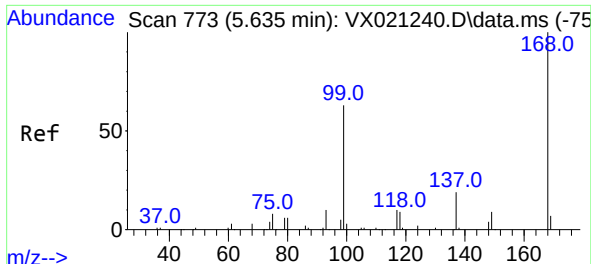
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5R(13-15FT)DL

Quant Time: Mar 23 15:19:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	79233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	129736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	53568	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	62117	47.80	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.60%			
35) Dibromofluoromethane	5.464	113	44610	50.53	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.06%			
50) Toluene-d8	8.694	98	157018	49.02	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.04%			
62) 4-Bromofluorobenzene	11.118	95	61372	49.34	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.68%			
Target Compounds					Qvalue	
3) Chloromethane	1.311	50	908	Below Cal	#	85
5) Bromomethane	1.617	94	228	0.54 ug/l	#	60
13) Acrolein	2.252	56	58	3.56 ug/l	#	67
16) Acetone	2.422	43	433	0.91 ug/l	#	40
17) Carbon Disulfide	2.540	76	370	0.69 ug/l	#	75
20) Methylene Chloride	2.834	84	222	0.23 ug/l	#	77
31) Cyclohexane	5.617	56	2286	1.46 ug/l	#	42
36) 1,1-Dichloropropene	5.623	75	7268	5.56 ug/l	#	48
38) Carbon Tetrachloride	5.629	117	8836	6.51 ug/l	#	16
55) 1,1,2-Trichloroethane	9.141	97	503	0.55 ug/l	#	15
59) 2-Hexanone	9.423	43	6242	5.77 ug/l	#	23
73) Isopropylbenzene	11.000	105	8896	2.24 ug/l		99
74) N-amyl acetate	10.894	43	51962	25.74 ug/l	#	15
75) 1,1,2,2-Tetrachloroethane	11.259	83	39320	29.77 ug/l	#	26
76) 1,2,3-Trichloropropane	11.118	75	32408	26.08 ug/l	#	42
78) n-propylbenzene	11.341	91	25246	5.43 ug/l		95
79) 2-Chlorotoluene	11.424	91	2075	0.73 ug/l		83
81) trans-1,4-Dichloro-2-b...	11.118	75	32408	70.81 ug/l	#	16
82) 4-Chlorotoluene	11.471	91	1590	0.48 ug/l		88
83) tert-Butylbenzene	11.753	119	6573	2.05 ug/l	#	61
84) 1,2,4-Trimethylbenzene	11.930	105	45846	13.39 ug/l	#	31
85) sec-Butylbenzene	11.930	105	45846	12.14 ug/l		94
86) p-Isopropyltoluene	12.218	119	17084	4.93 ug/l	#	83
89) n-Butylbenzene	12.371	91	43390	13.75 ug/l		86
90) Hexachloroethane	12.653	117	10434	19.79 ug/l	#	9
92) 1,2-Dibromo-3-Chloropr...	13.006	75	129	0.38 ug/l	#	1
96) 1,2,3-Trichlorobenzene	14.006	180	257	0.23 ug/l	#	1

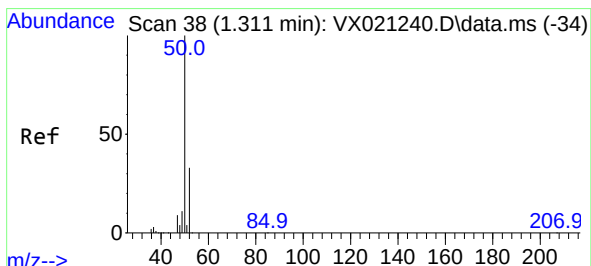
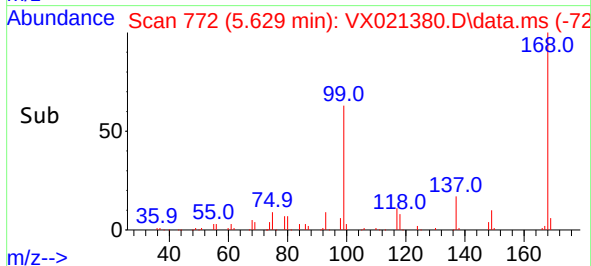
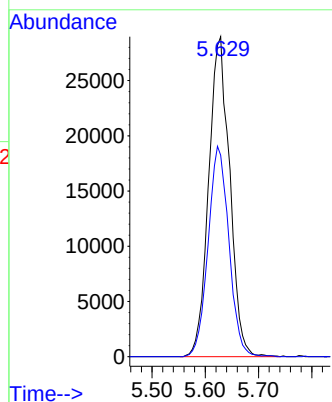
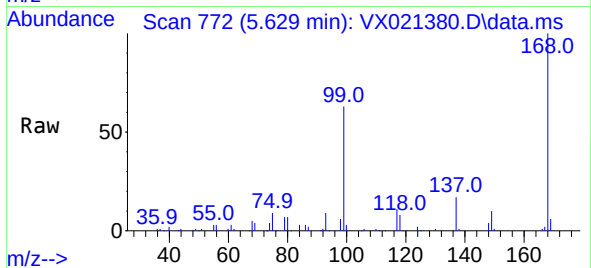
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

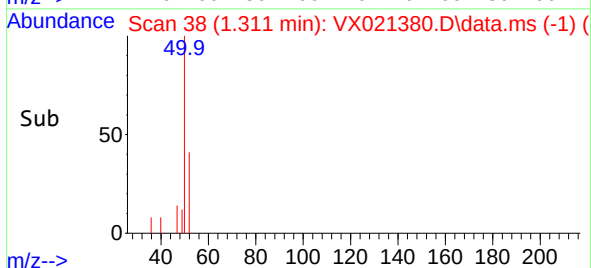
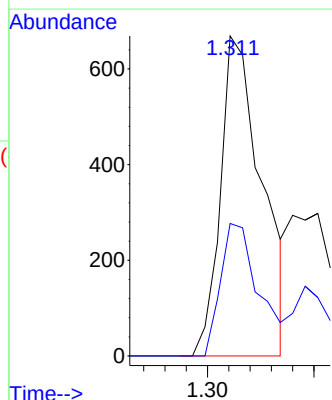
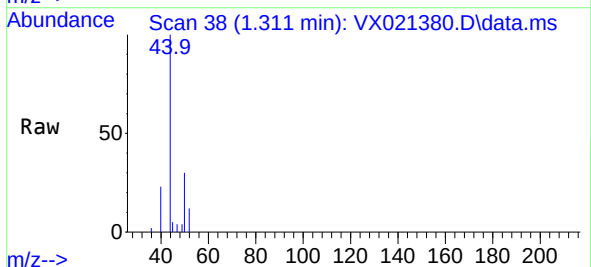
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

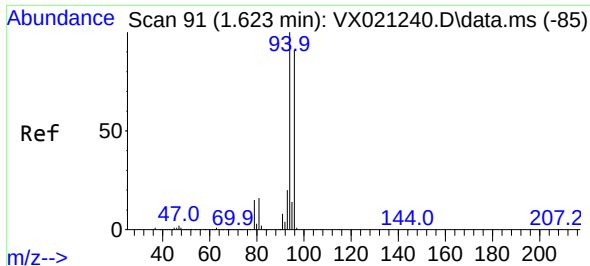
Tgt Ion:168 Resp: 79233
Ion Ratio Lower Upper
168 100
99 62.9 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 41.4 26.4 39.6#

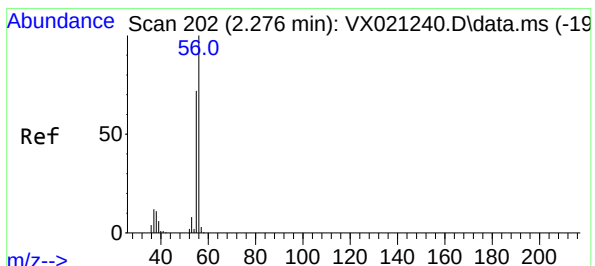
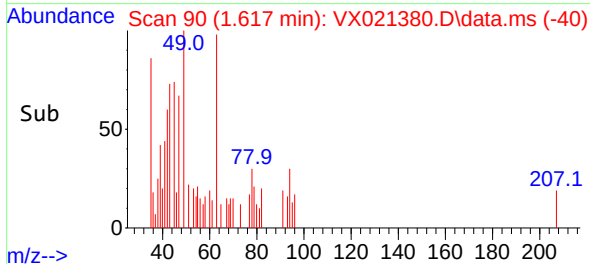
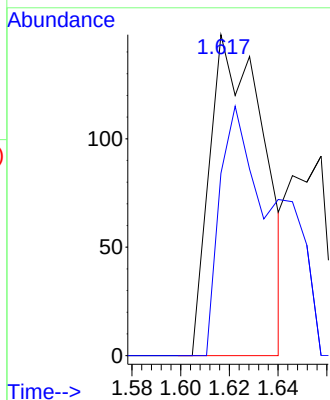
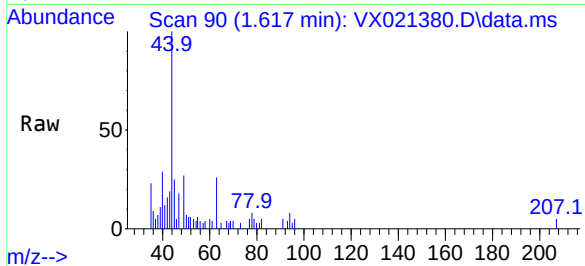




#5
Bromomethane
Concen: 0.54 ug/l
RT: 1.617 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

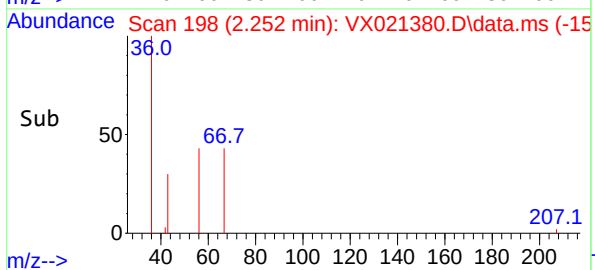
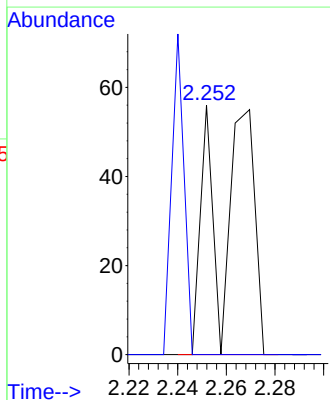
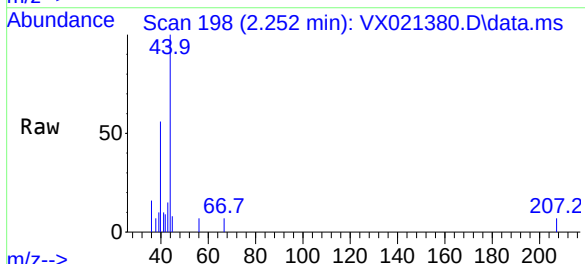
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MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

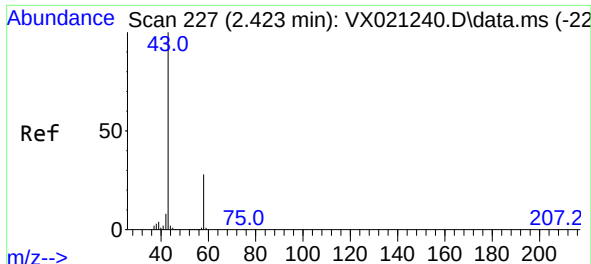
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 56.8 76.4 114.6#



#13
Acrolein
Concen: 3.56 ug/l
RT: 2.252 min Scan# 198
Delta R.T. -0.024 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 43.1 56.4 84.6#

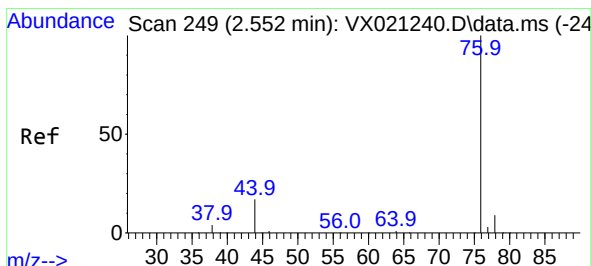
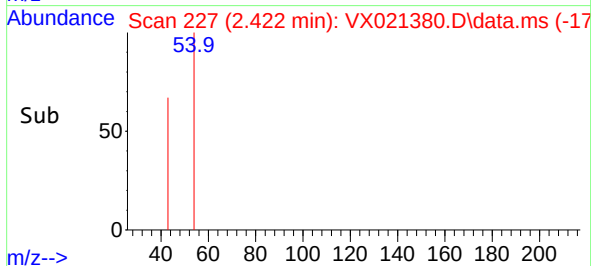
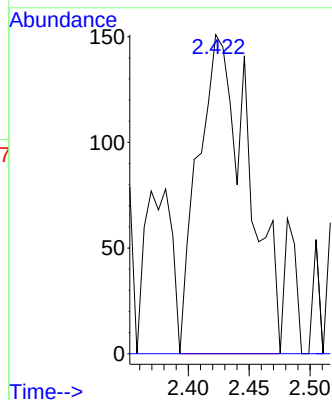
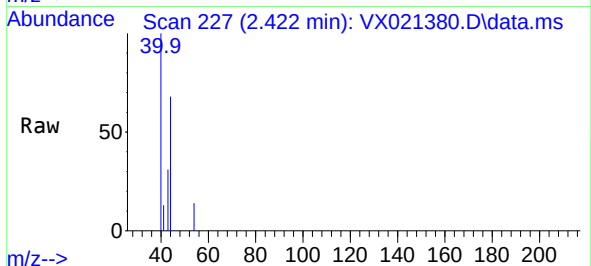




#16
Acetone
Concen: 0.91 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

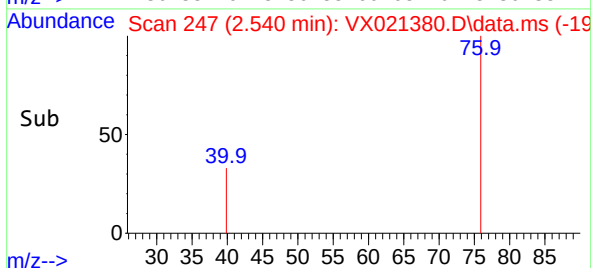
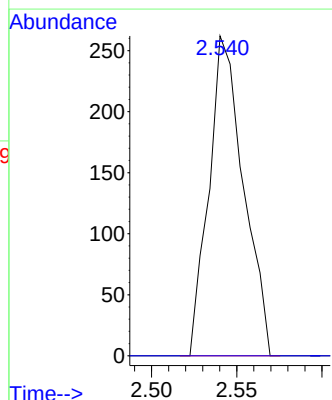
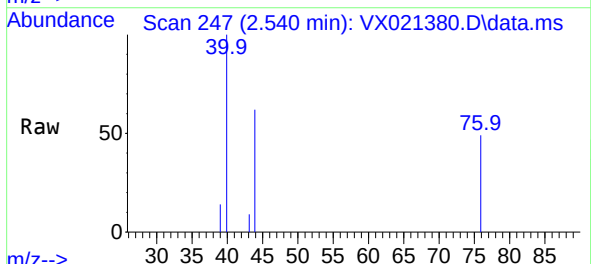
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

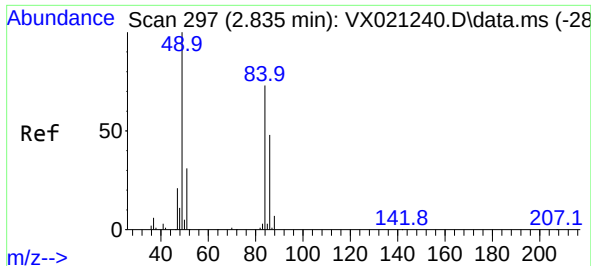
Tgt Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.69 ug/l
RT: 2.540 min Scan# 247
Delta R.T. -0.012 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

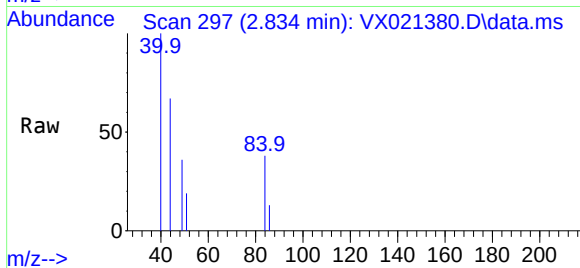
Tgt Ion: 76 Resp: 370
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





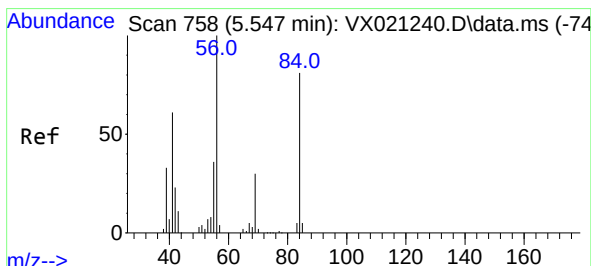
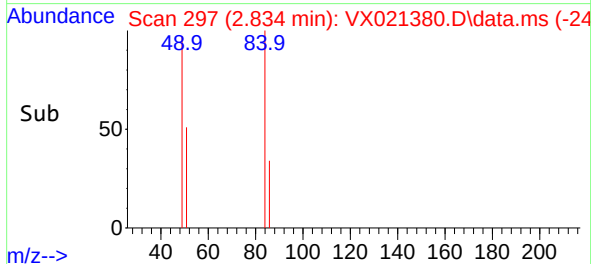
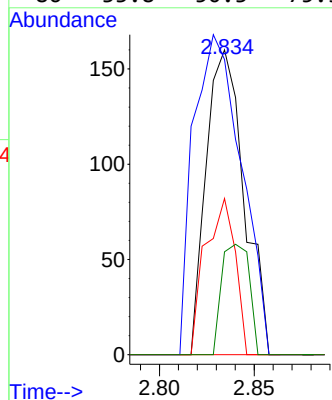
#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

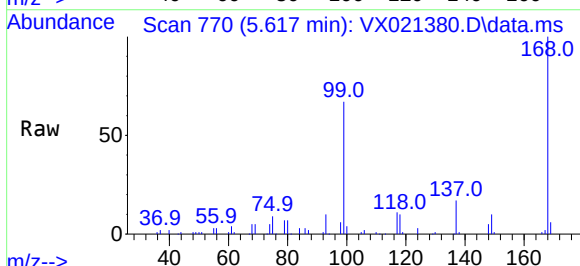


Tgt Ion: 84 Resp: 222

Ion	Ratio	Lower	Upper
84	100		
49	96.9	88.6	132.8
51	51.2	27.0	40.6#
86	33.8	50.3	75.5#

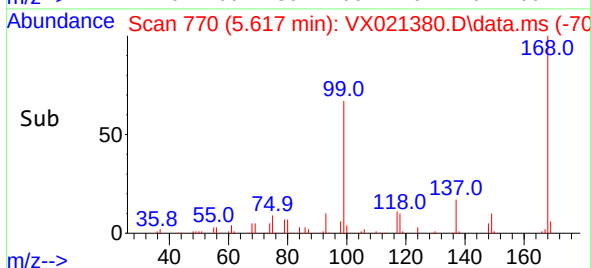
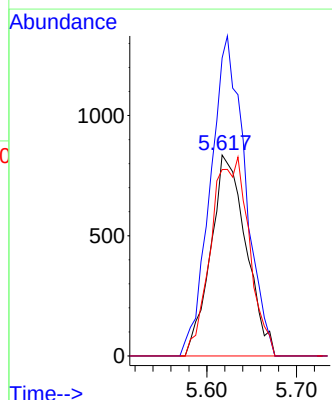


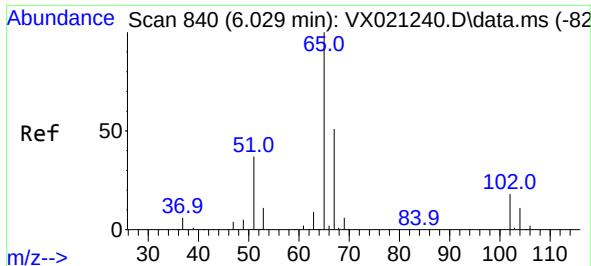
#31
Cyclohexane
Concen: 1.46 ug/l
RT: 5.617 min Scan# 770
Delta R.T. 0.070 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18



Tgt Ion: 56 Resp: 2286

Ion	Ratio	Lower	Upper
56	100		
69	148.2	25.3	37.9#
84	92.7	71.4	107.0

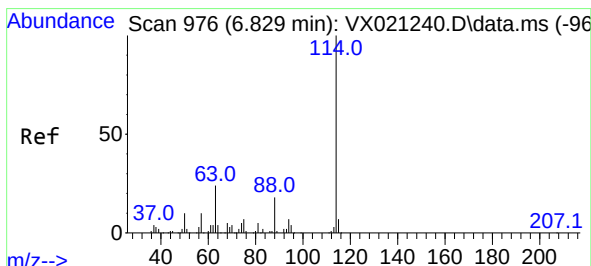
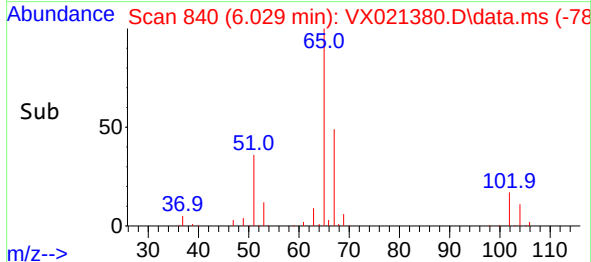
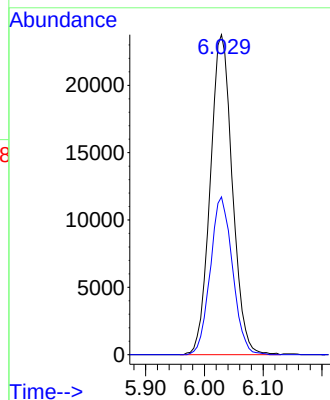
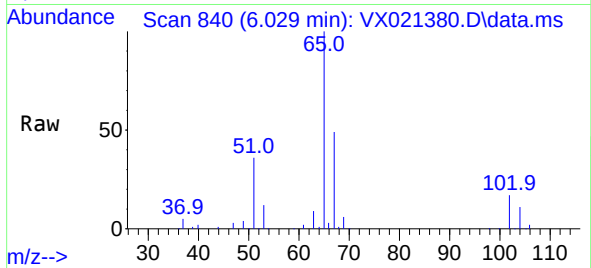




#33
1,2-Dichloroethane-d4
Concen: 47.80 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

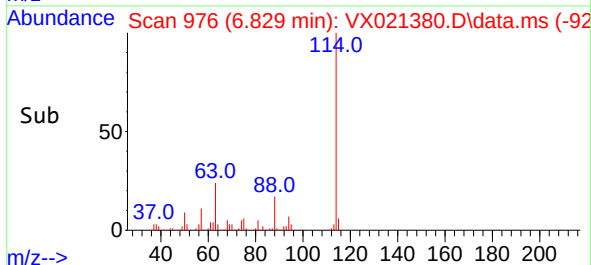
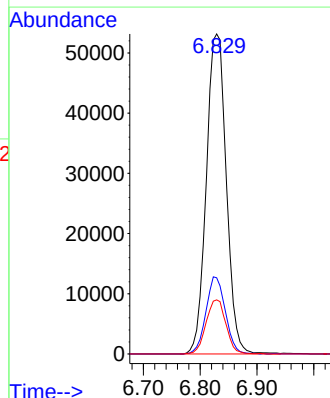
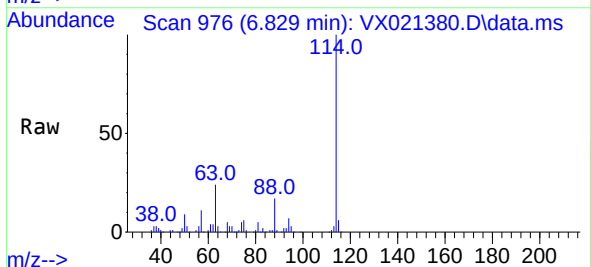
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

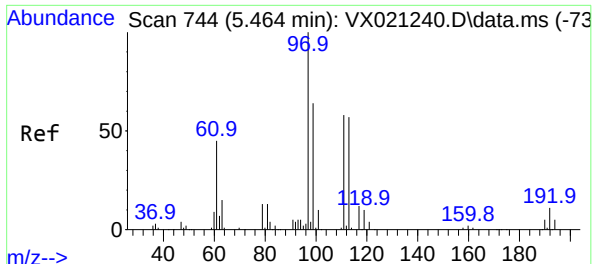
Tgt Ion: 65 Resp: 62117
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

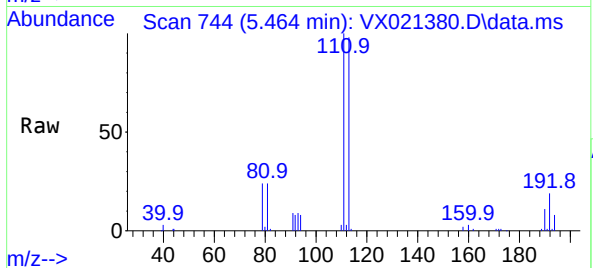
Tgt Ion: 114 Resp: 129736
Ion Ratio Lower Upper
114 100
63 23.8 0.0 40.8
88 16.9 0.0 32.8



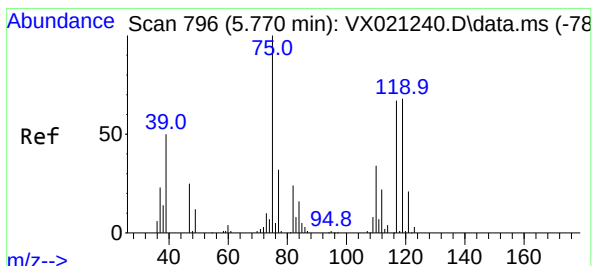
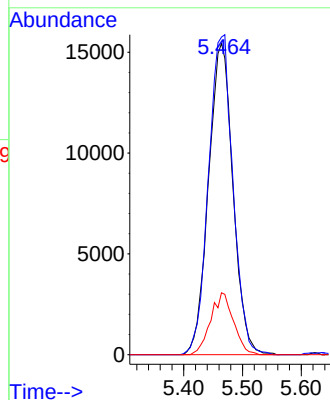
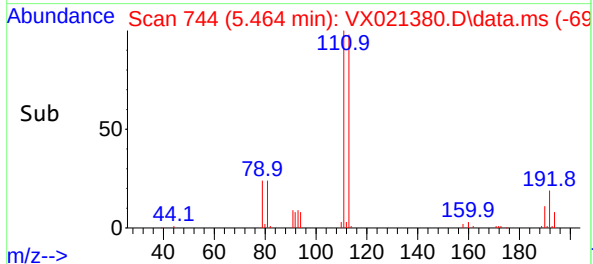


#35
Dibromofluoromethane
Concen: 50.53 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

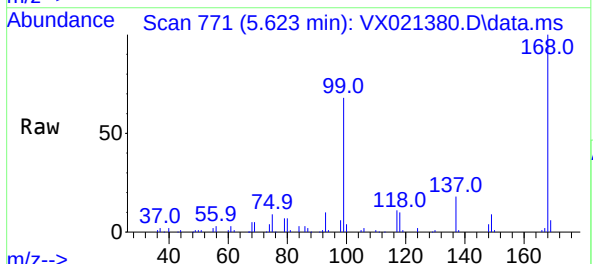
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL



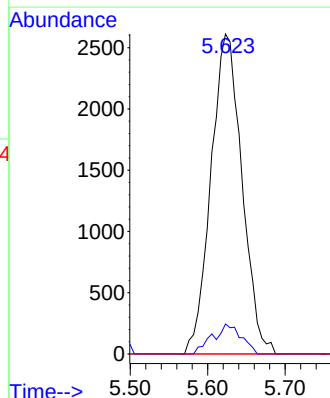
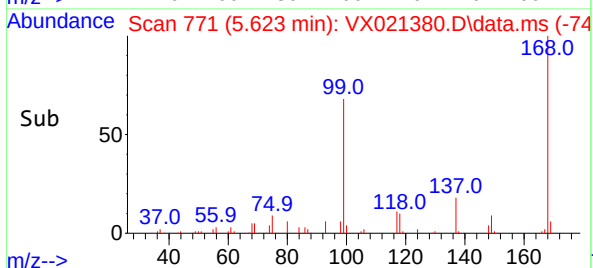
Tgt Ion:113 Resp: 44610
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 18.6 16.7 25.1

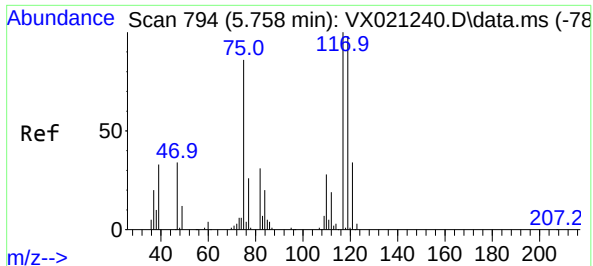


#36
1,1-Dichloropropene
Concen: 5.56 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18



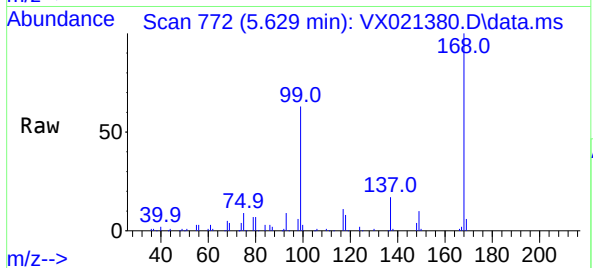
Tgt Ion: 75 Resp: 7268
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



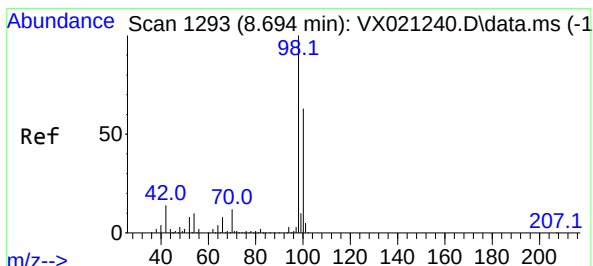
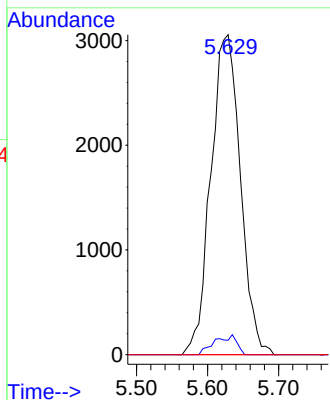
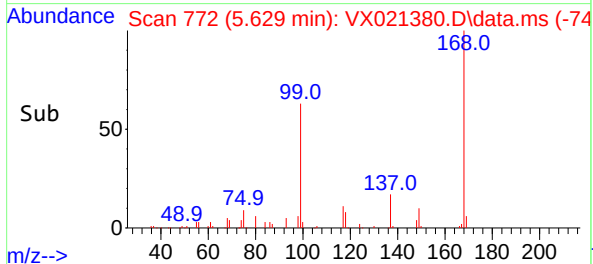


#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

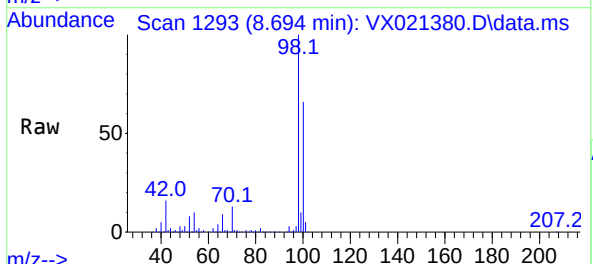
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL



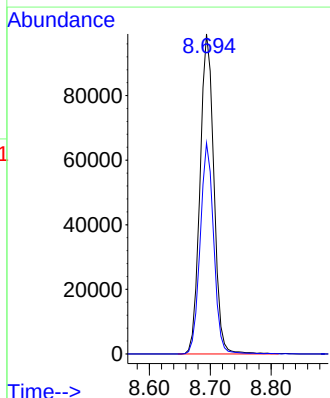
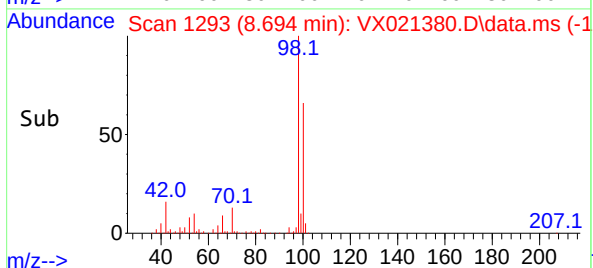
Tgt Ion:117 Resp: 8836
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

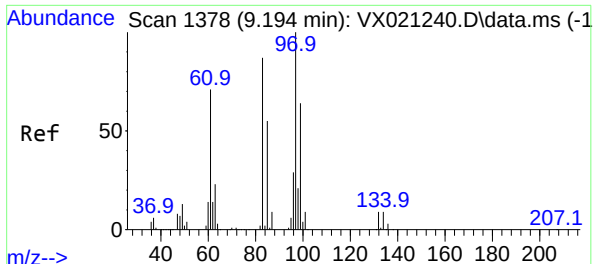


#50
Toluene-d8
Concen: 49.02 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18



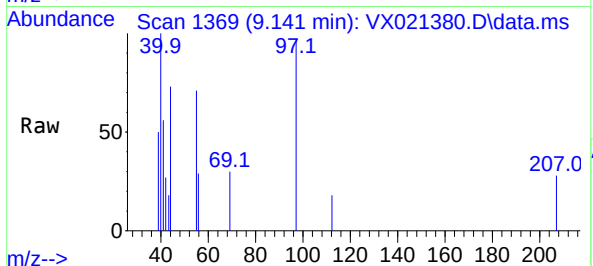
Tgt Ion: 98 Resp: 157018
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



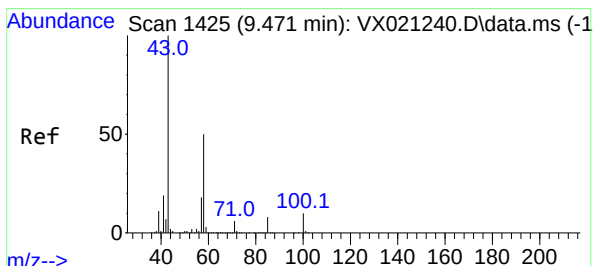
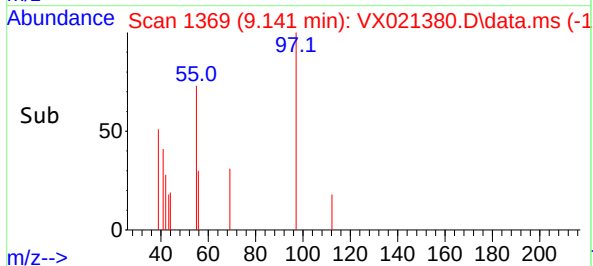
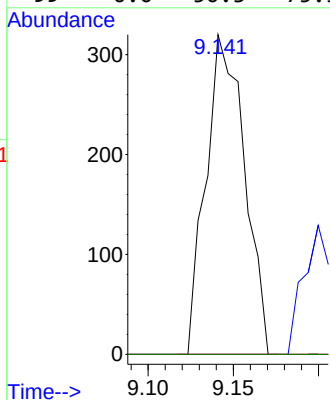


#55
1,1,2-Trichloroethane
Concen: 0.55 ug/l
RT: 9.141 min Scan# 1369
Delta R.T. -0.053 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

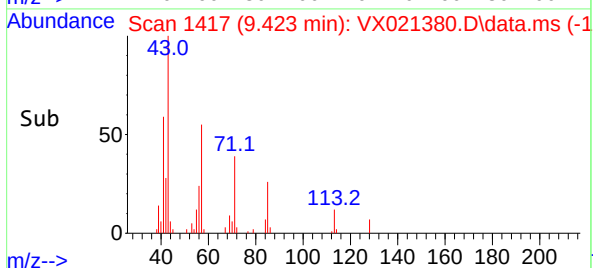
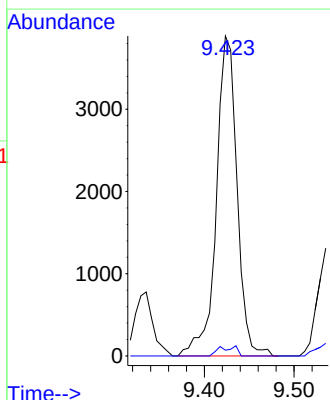
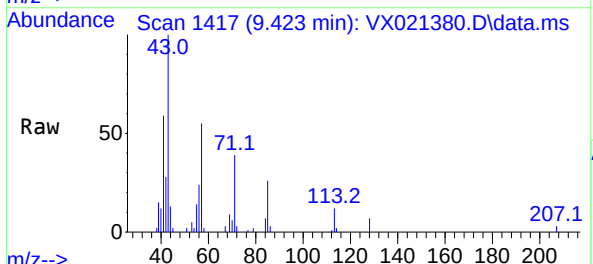


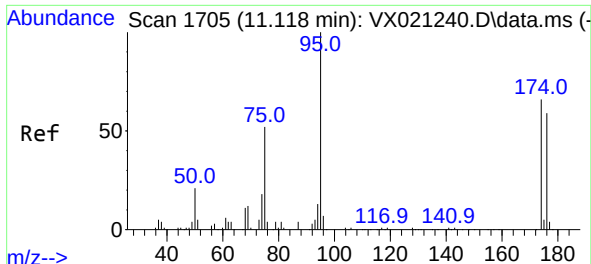
Tgt Ion: 97	Resp: 503
Ion Ratio	Lower Upper
97 100	
83 0.0	69.3 103.9#
85 0.0	44.3 66.5#
99 0.0	50.3 75.5#



#59
2-Hexanone
Concen: 5.77 ug/l
RT: 9.423 min Scan# 1417
Delta R.T. -0.048 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 43	Resp: 6242		
Ion Ratio	Lower	Upper	
43 100			
58 2.5	30.9	92.8#	

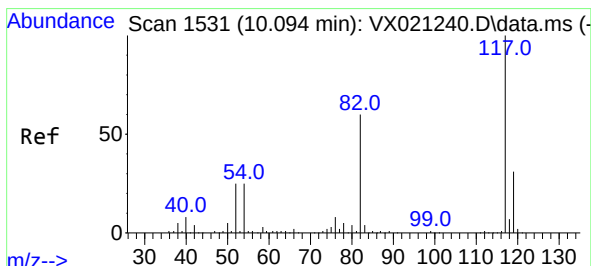
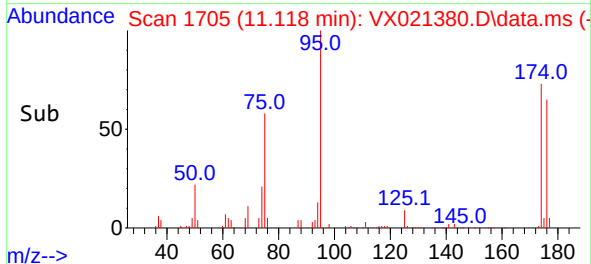
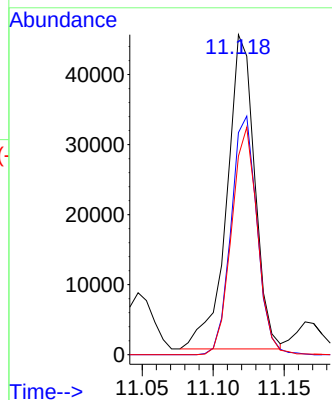
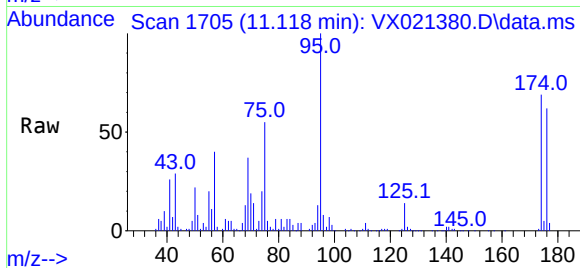




#62
4-Bromofluorobenzene
Concen: 49.34 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

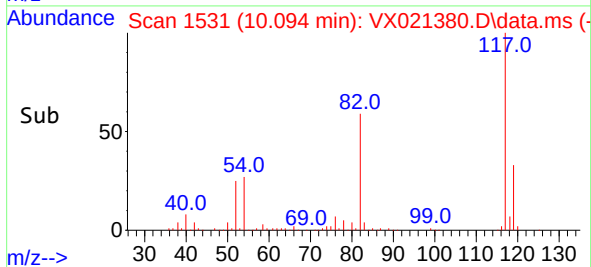
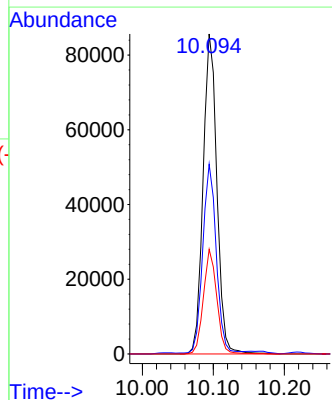
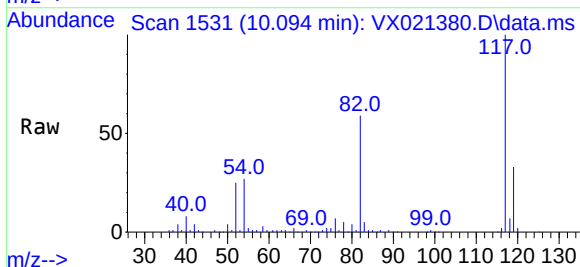
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

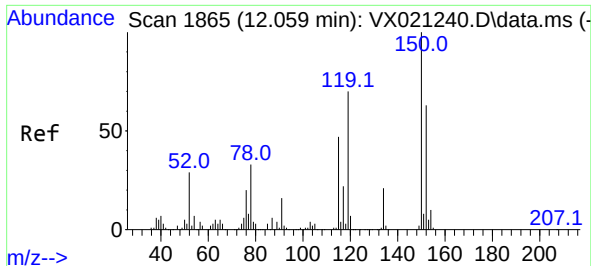
Tgt Ion: 95 Resp: 61372
Ion Ratio Lower Upper
95 100
174 70.8 0.0 154.6
176 67.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 117 Resp: 115761
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 32.7 26.6 39.8

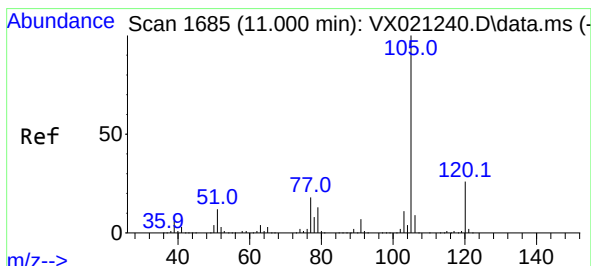
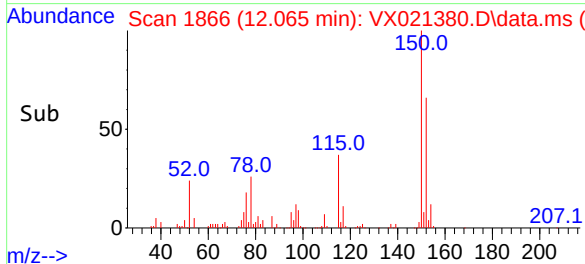
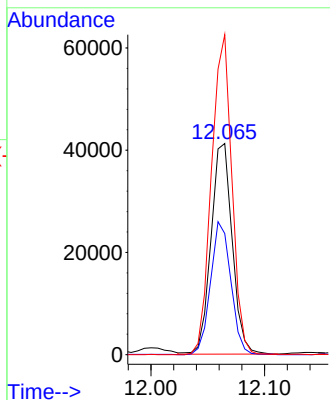
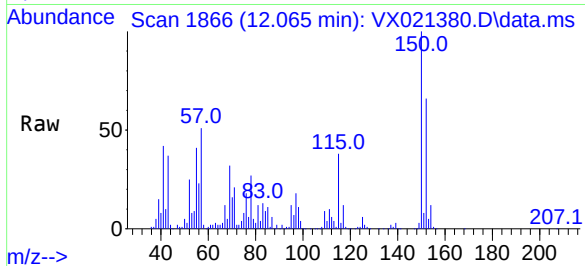




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

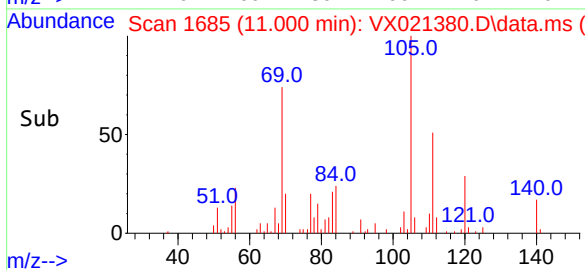
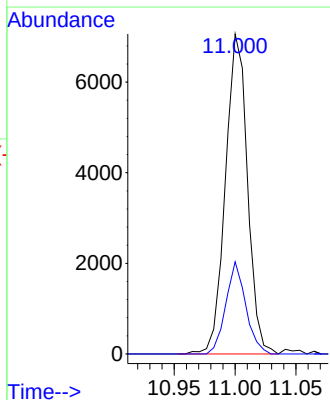
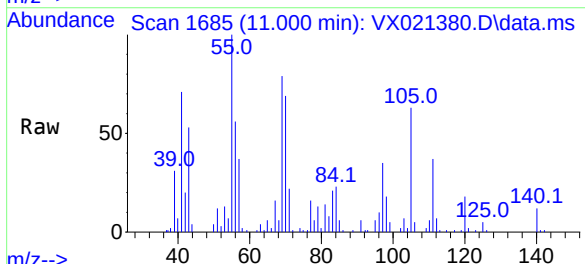
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

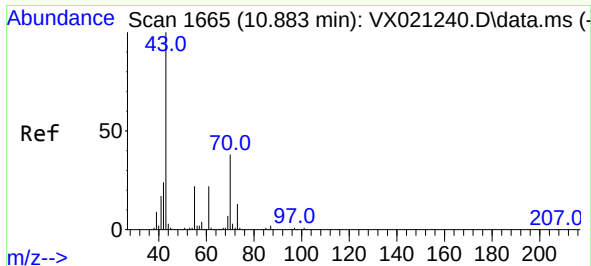
Tgt Ion:152 Resp: 53568
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 146.0 0.0 349.0



#73
Isopropylbenzene
Concen: 2.24 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

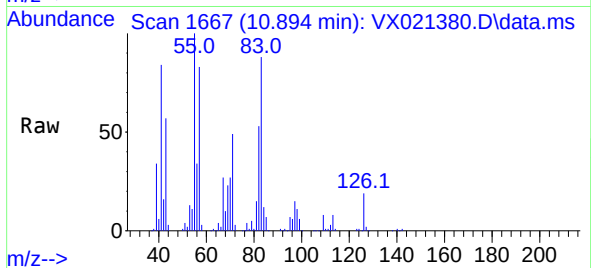
Tgt Ion:105 Resp: 8896
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6



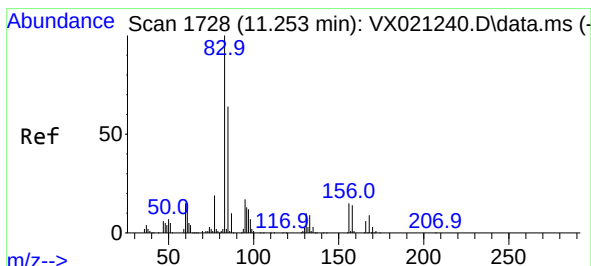
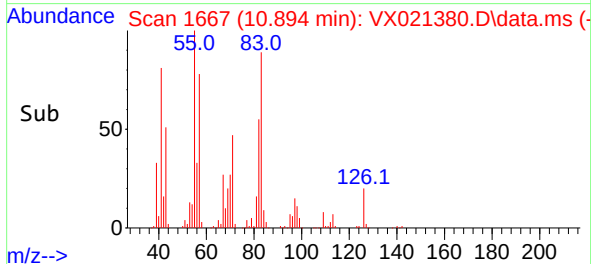
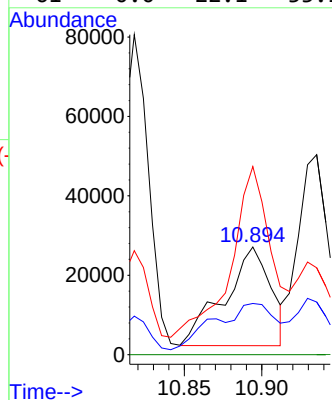


#74
N-amy1 acetate
Concen: 25.74 ug/l
RT: 10.894 min Scan# 1667
Delta R.T. 0.011 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

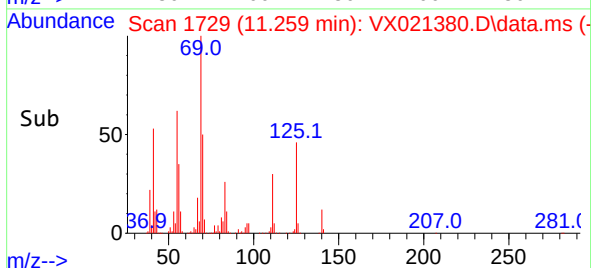
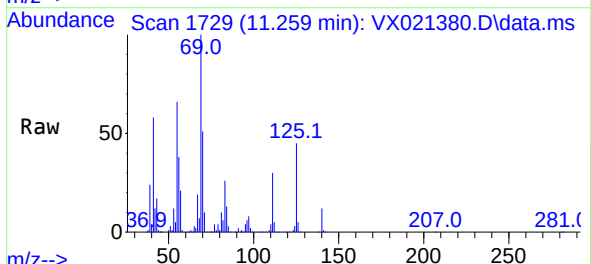
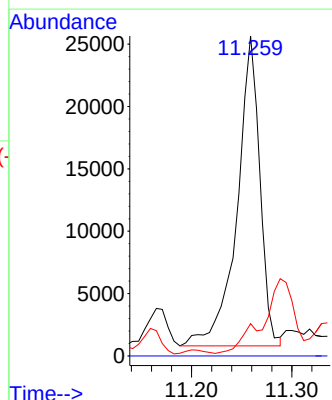


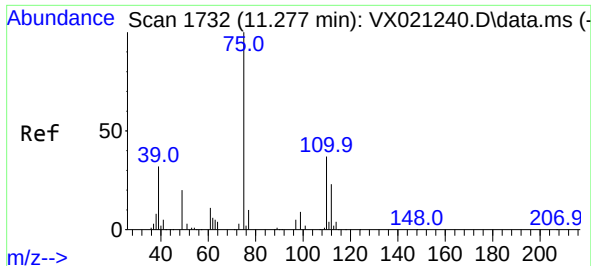
Tgt Ion: 43	Resp: 51962
Ion Ratio	Lower Upper
43 100	
70 63.1	39.0 58.6#
55 147.9	21.5 32.3#
61 0.0	22.1 33.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 29.77 ug/l
RT: 11.259 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 83	Resp: 39320
Ion Ratio	Lower Upper
83 100	
131 0.0	5.1 15.2#
85 0.0	31.8 95.4#

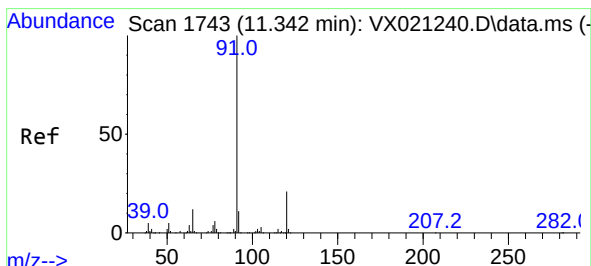
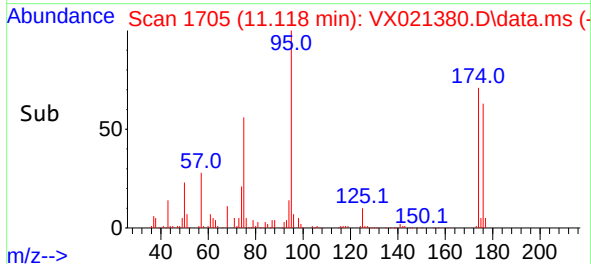
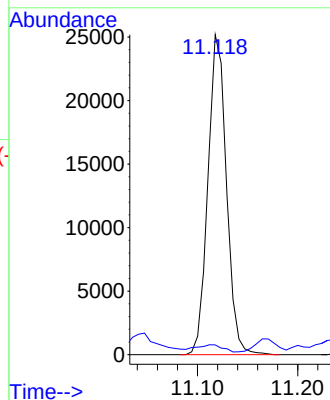
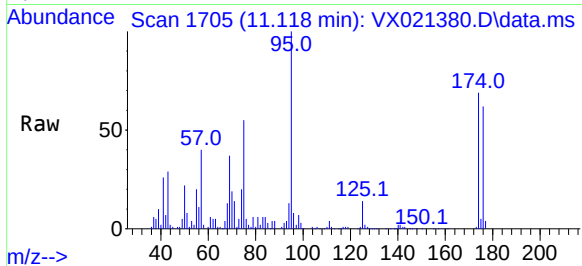




#76
1,2,3-Trichloropropane
Concen: 26.08 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

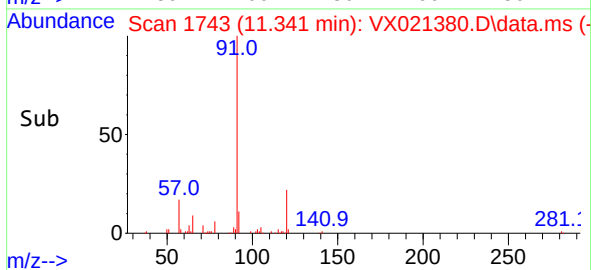
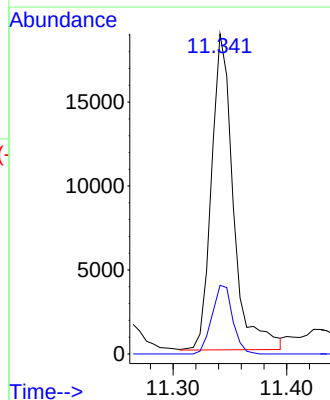
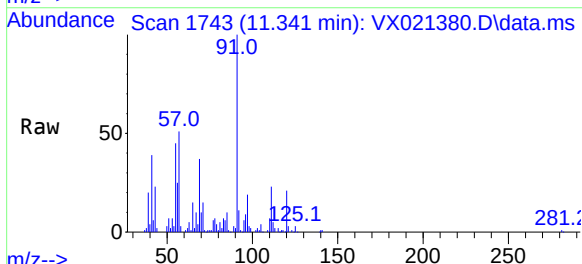
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

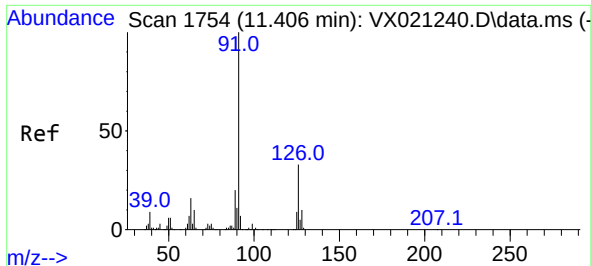
Tgt Ion: 75 Resp: 32408
Ion Ratio Lower Upper
75 100
77 2.9 19.1 57.5#



#78
n-propylbenzene
Concen: 5.43 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. -0.001 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 91 Resp: 25246
Ion Ratio Lower Upper
91 100
120 20.4 11.5 34.5

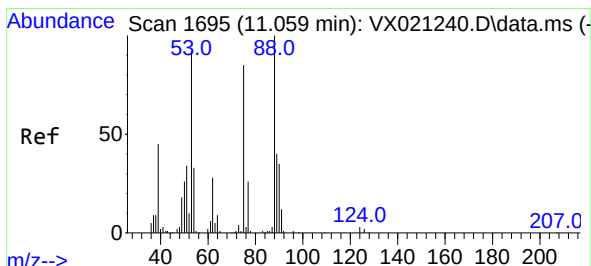
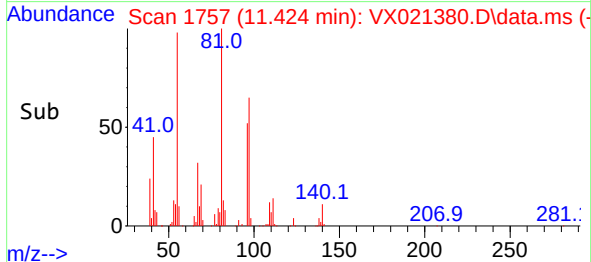
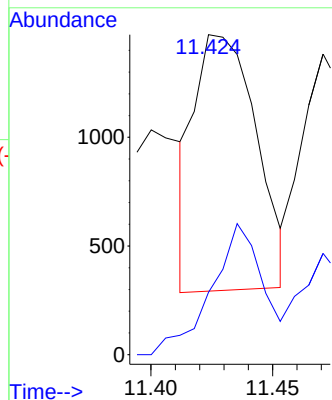
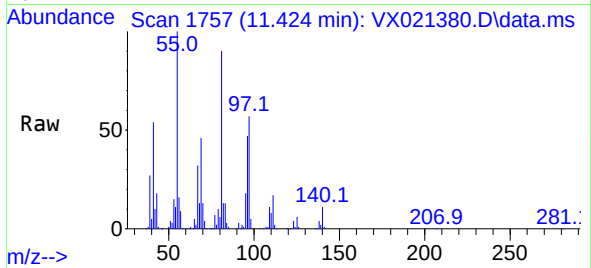




#79
2-Chlorotoluene
Concen: 0.73 ug/l
RT: 11.424 min Scan# 1757
Delta R.T. 0.018 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

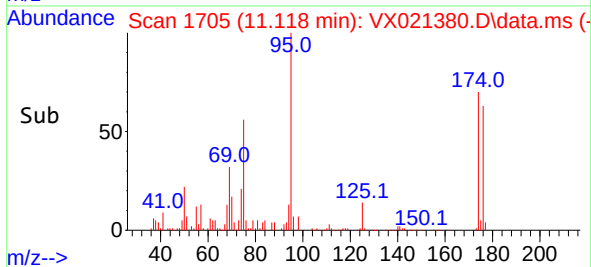
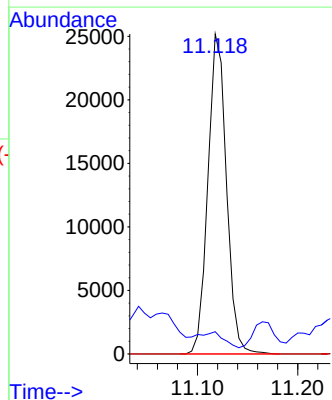
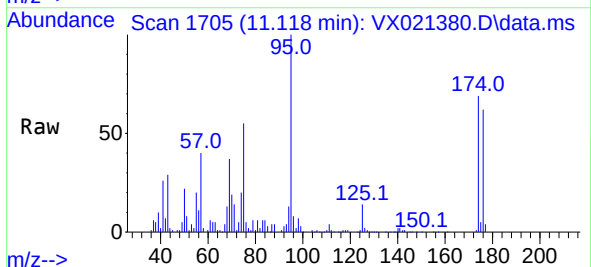
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

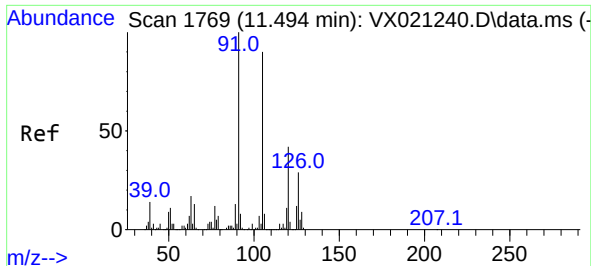
Tgt Ion: 91 Resp: 2075
Ion Ratio Lower Upper
91 100
126 42.7 16.6 49.8



#81
trans-1,4-Dichloro-2-butene
Concen: 70.81 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 75 Resp: 32408
Ion Ratio Lower Upper
75 100
53 6.3 74.5 111.7#
89 0.0 37.9 56.9#

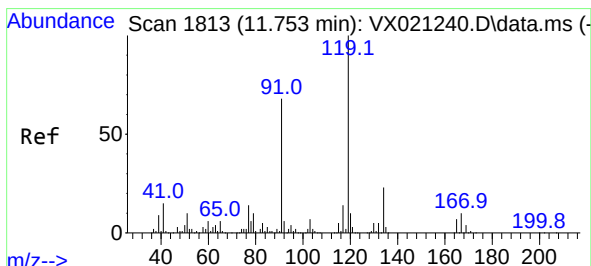
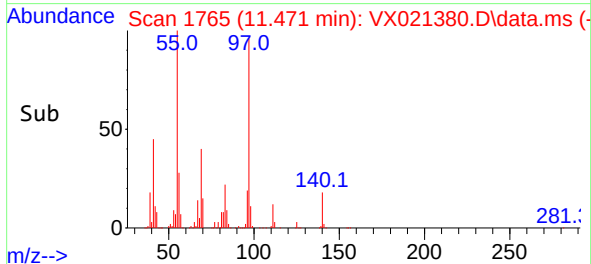
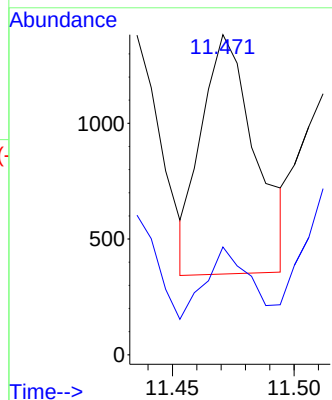
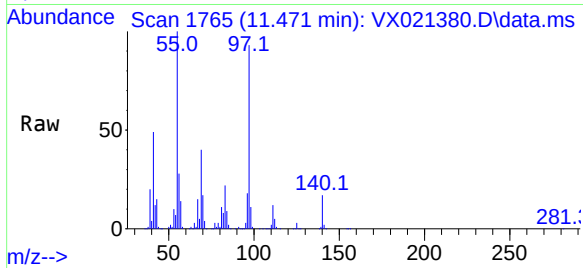




#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 11.471 min Scan# 1765
Delta R.T. -0.023 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

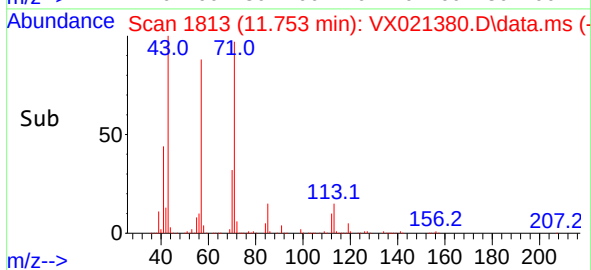
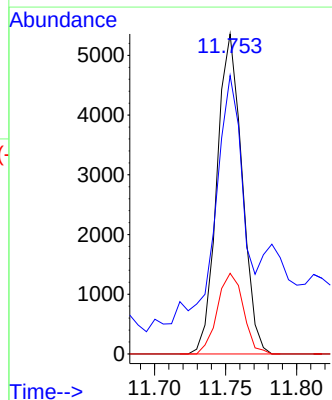
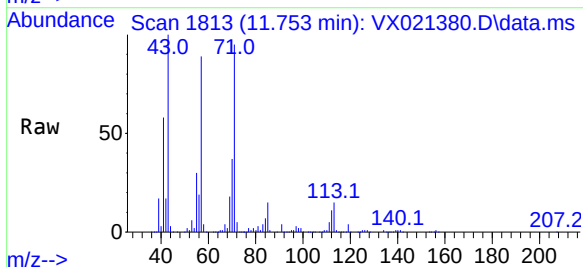
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

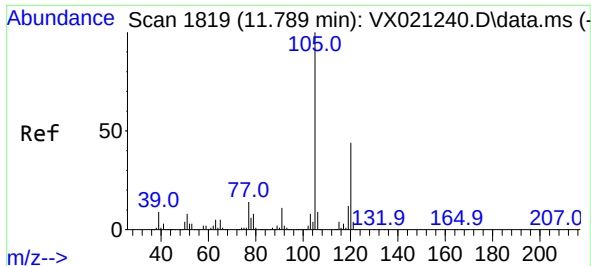
Tgt Ion: 91 Resp: 1590
Ion Ratio Lower Upper
91 100
126 36.0 14.9 44.5



#83
tert-Butylbenzene
Concen: 2.05 ug/l
RT: 11.753 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 119 Resp: 6573
Ion Ratio Lower Upper
119 100
91 93.5 27.9 83.7#
134 26.1 11.3 33.9

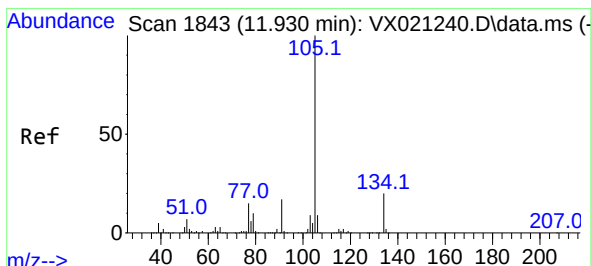
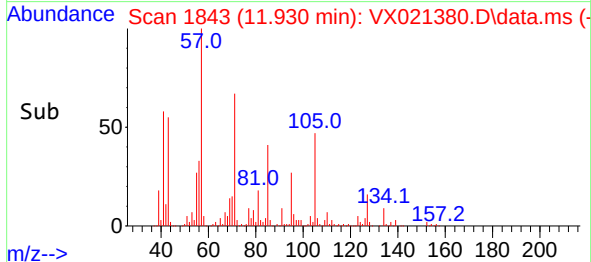
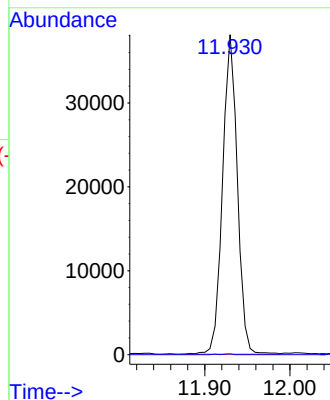
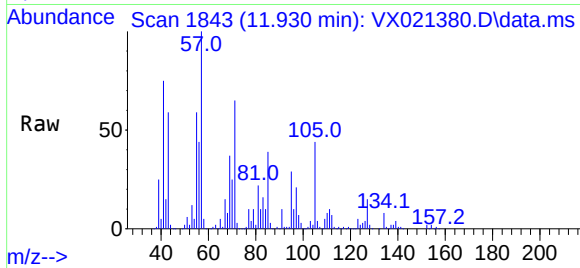




#84
1,2,4-Trimethylbenzene
Concen: 13.39 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. 0.141 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

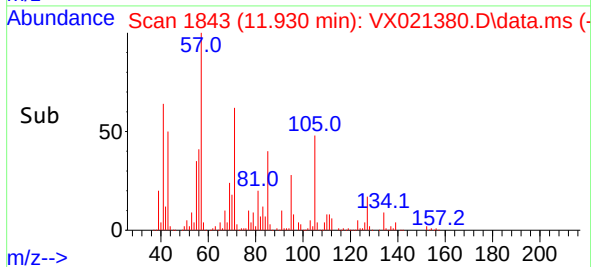
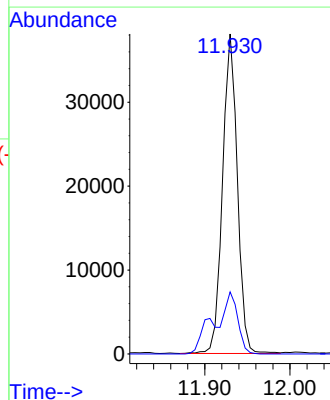
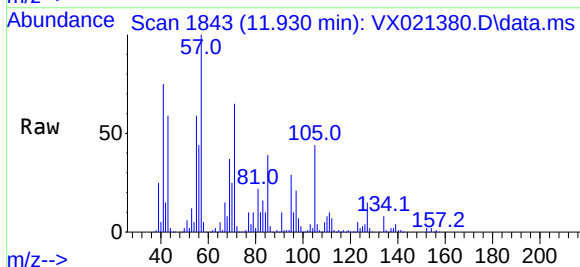
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

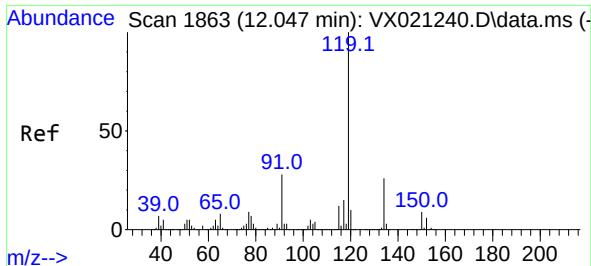
Tgt Ion:105 Resp: 45846
Ion Ratio Lower Upper
105 100
120 0.2 22.4 67.3#



#85
sec-Butylbenzene
Concen: 12.14 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion:105 Resp: 45846
Ion Ratio Lower Upper
105 100
134 17.2 10.0 29.8

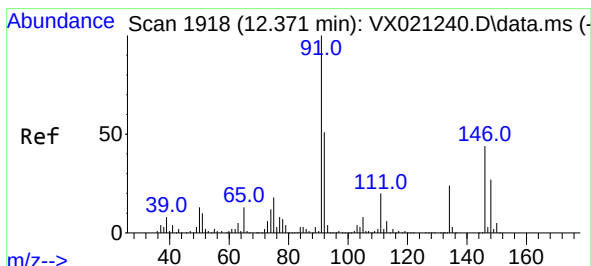
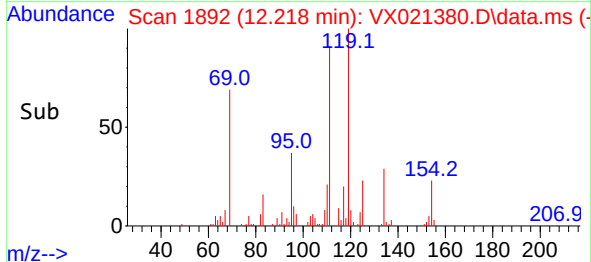
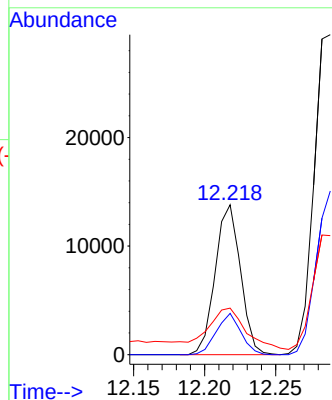
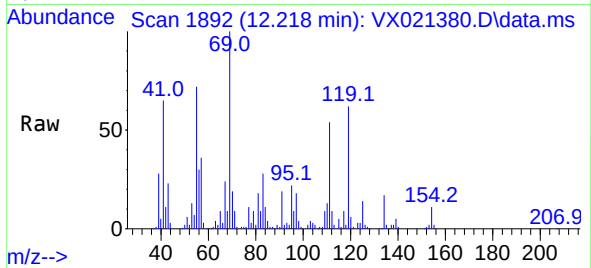




#86
p-Isopropyltoluene
Concen: 4.93 ug/l
RT: 12.218 min Scan# 1892
Delta R.T. 0.171 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

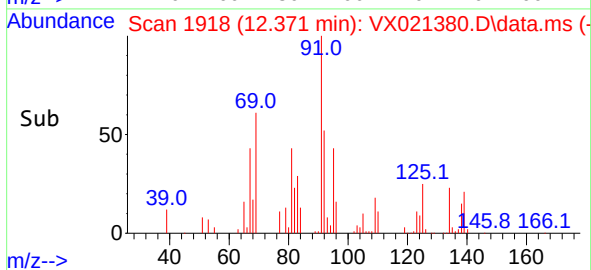
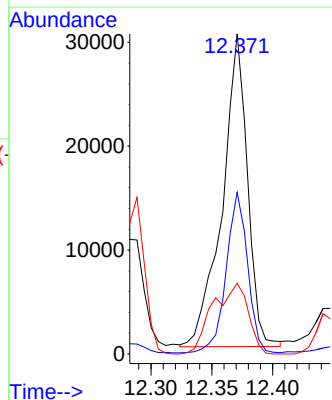
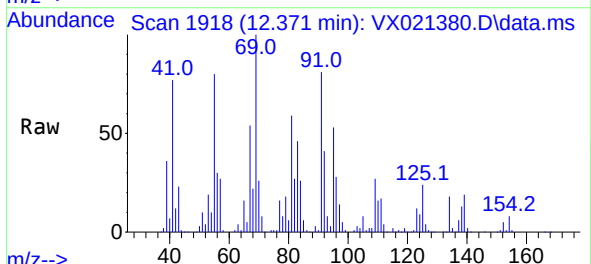
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

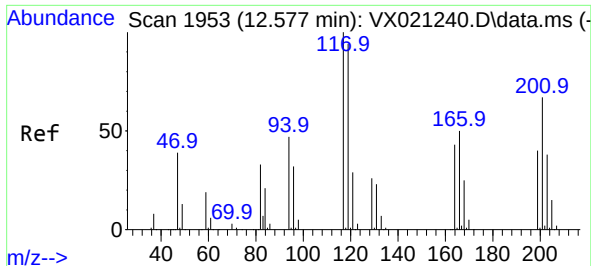
Tgt Ion:119 Resp: 17084
Ion Ratio Lower Upper
119 100
134 26.9 12.9 38.7
91 39.5 11.7 35.0#



#89
n-Butylbenzene
Concen: 13.75 ug/l
RT: 12.371 min Scan# 1918
Delta R.T. -0.000 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 91 Resp: 43390
Ion Ratio Lower Upper
91 100
92 43.5 27.4 82.0
134 31.7 13.2 39.5

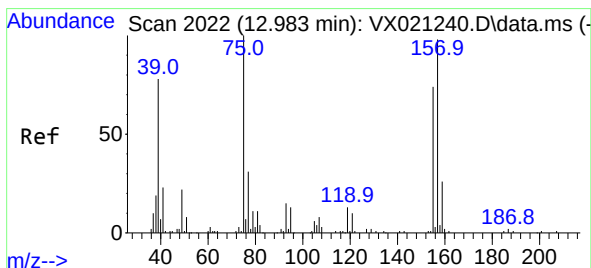
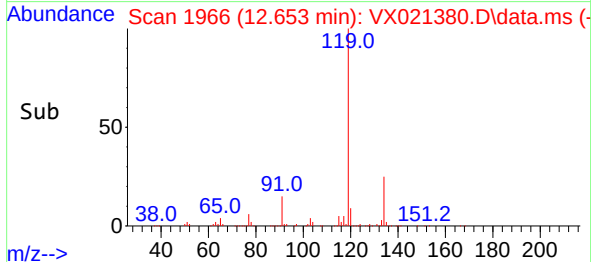
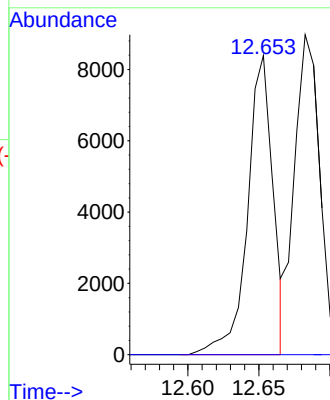
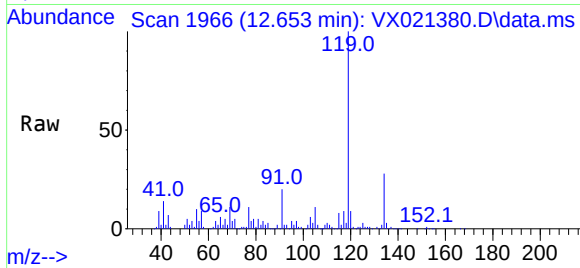




#90
Hexachloroethane
Concen: 19.79 ug/l
RT: 12.653 min Scan# 1966
Delta R.T. 0.076 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

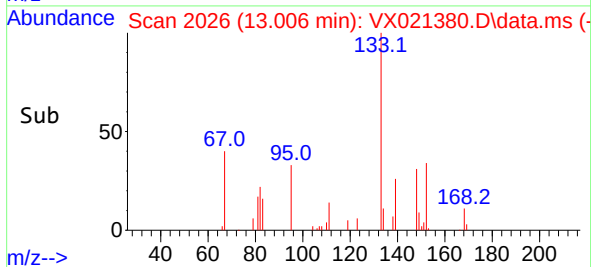
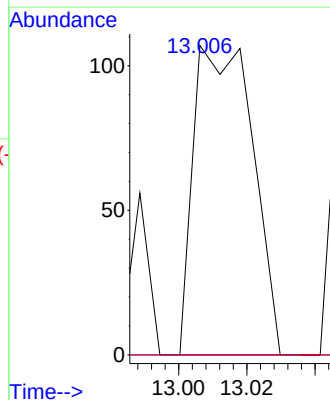
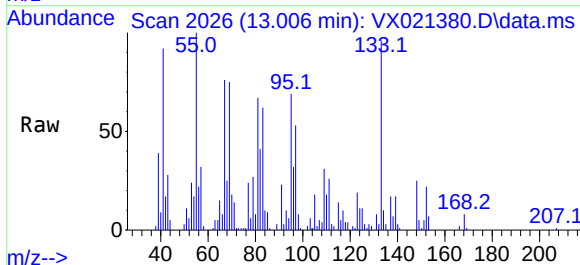
Instrument :
MSVOA_X
ClientSampleId :
MW-5R(13-15FT)DL

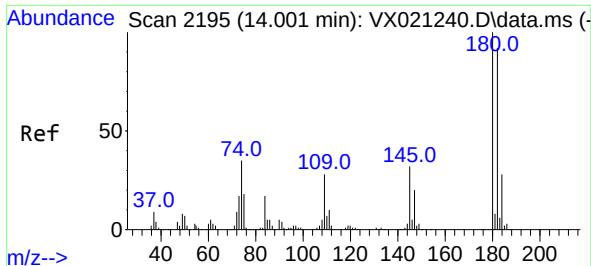
Tgt Ion:117 Resp: 10434
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.38 ug/l
RT: 13.006 min Scan# 2026
Delta R.T. 0.023 min
Lab File: VX021380.D
Acq: 23 Mar 2021 13:18

Tgt Ion: 75 Resp: 129
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.23 ug/l
 RT: 14.006 min Scan# 2196
 Delta R.T. 0.005 min
 Lab File: VX021380.D
 Acq: 23 Mar 2021 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5R(13-15FT)DL

Tgt Ion:180	Resp:	257
Ion	Ratio	Lower Upper
180	100	
182	30.0	47.6 142.9#
145	800.4	16.1 48.3#

