

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012021\
 Data File : VX020678.D
 Acq On : 20 Jan 2021 13:24
 Operator : JC/SP
 Sample : M1178-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-011921

Quant Time: Jan 20 16:56:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 14:09:08 2021
 Response via : Initial Calibration

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

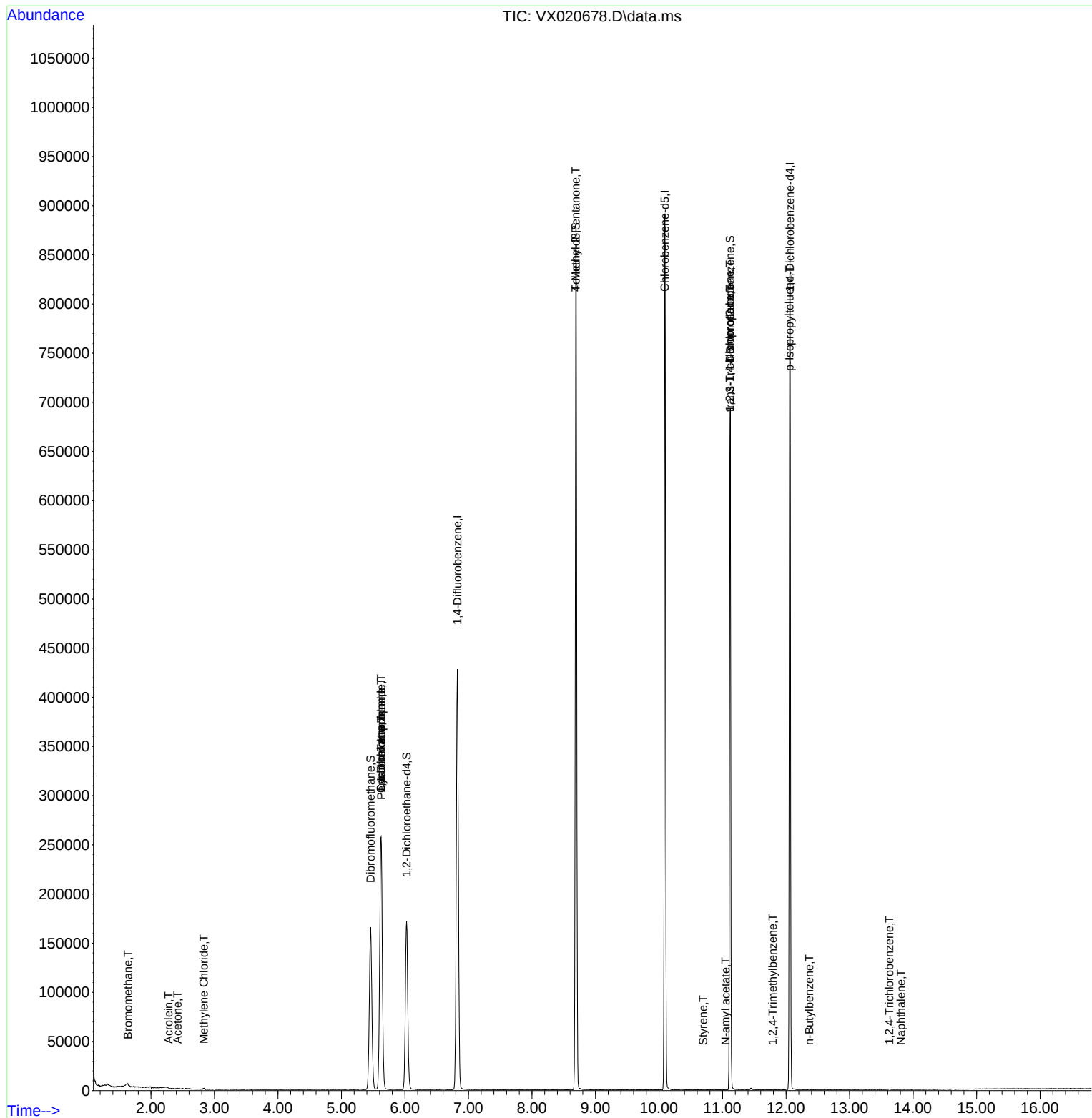
Internal Standards						
1) Pentafluorobenzene	5.629	168	245475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	434125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	405325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	179271	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	167976	50.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.10%			
35) Dibromofluoromethane	5.458	113	141830	47.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.84%			
50) Toluene-d8	8.689	98	529975	49.14	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.28%			
62) 4-Bromofluorobenzene	11.122	95	194664	47.75	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.50%			
Target Compounds						Qvalue
5) Bromomethane	1.636	94	408	0.25	ug/l #	60
6) Chloroethane	1.709	64	68	Below Cal	#	43
13) Acrolein	2.276	56	25	30.37	ug/l #	1
16) Acetone	2.416	43	828	0.64	ug/l #	78
20) Methylene Chloride	2.831	84	639	0.20	ug/l #	78
31) Cyclohexane	5.623	56	4918	1.12	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	19418	4.44	ug/l #	48
38) Carbon Tetrachloride	5.623	117	24976	5.35	ug/l #	17
51) 4-Methyl-2-Pentanone	8.689	43	1993	0.51	ug/l #	1
70) Styrene	10.695	104	95	1.43	ug/l #	26
74) N-amyl acetate	11.049	43	22	1.94	ug/l #	38
76) 1,2,3-Trichloropropane	11.116	75	93105	21.64	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	93105	62.60	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.793	105	56	0.40	ug/l #	31
86) p-Isopropyltoluene	12.055	119	175	0.89	ug/l #	1
89) n-Butylbenzene	12.366	91	178	1.45	ug/l #	58
93) 1,2,4-Trichlorobenzene	13.628	180	121	2.27	ug/l #	83
95) Naphthalene	13.810	128	213	1.96	ug/l #	69

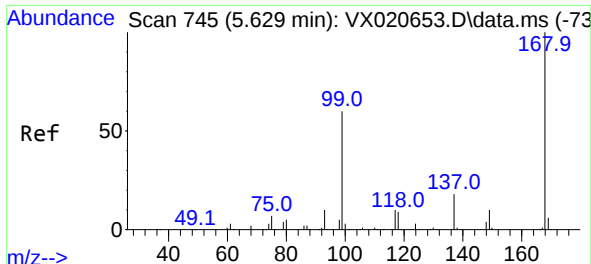
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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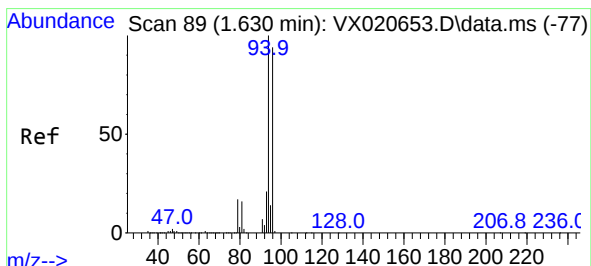
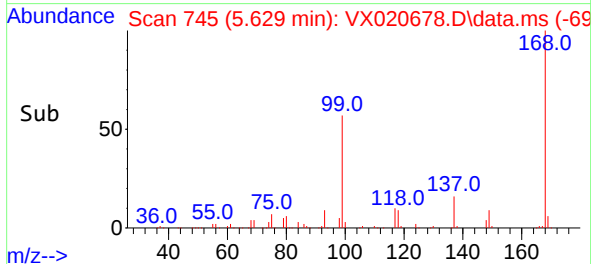
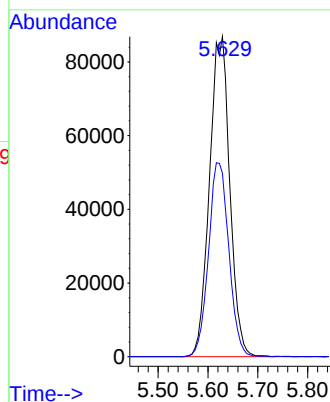
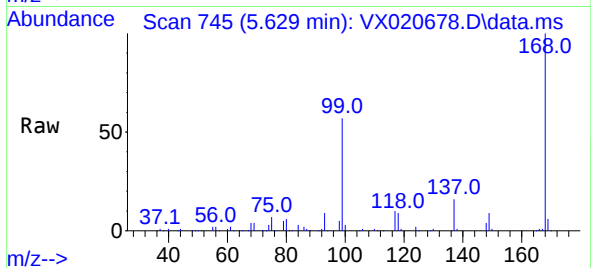




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

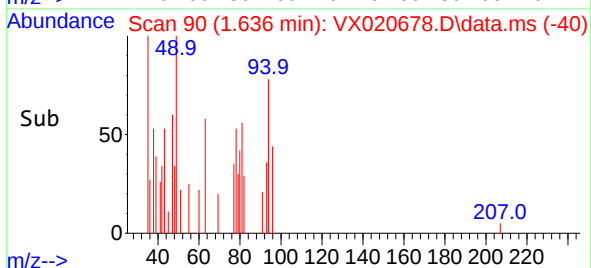
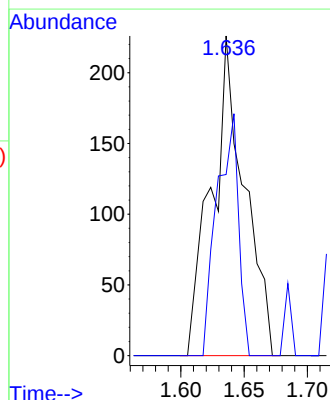
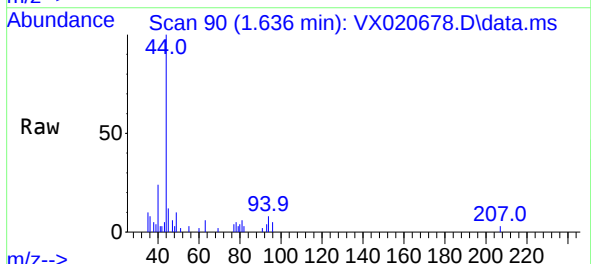
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

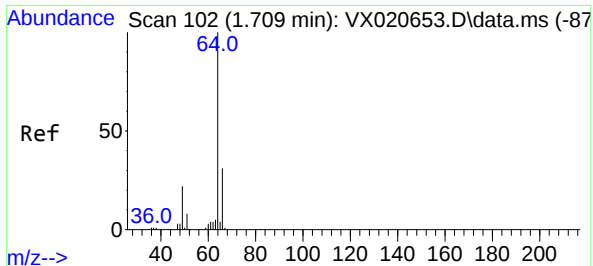
Tgt Ion:168 Resp: 245475
Ion Ratio Lower Upper
168 100
99 57.4 45.8 68.6



#5
Bromomethane
Concen: 0.25 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 94 Resp: 408
Ion Ratio Lower Upper
94 100
96 56.6 76.4 114.6#

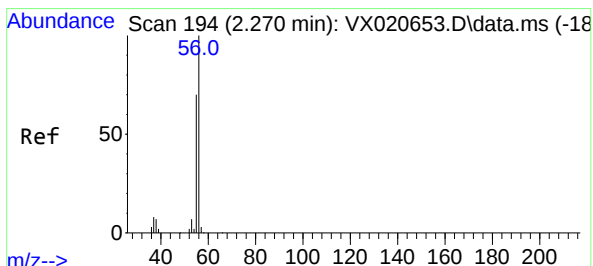
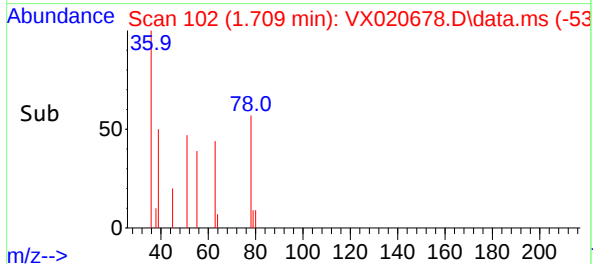
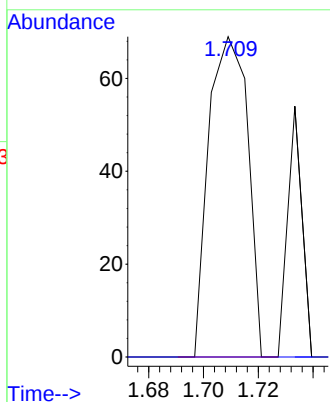
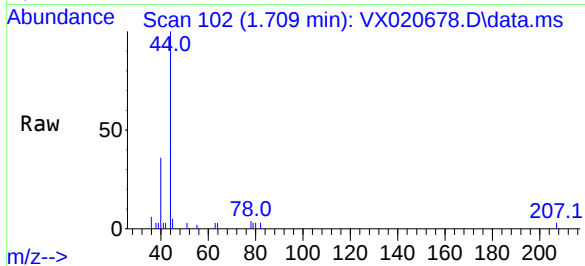




#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

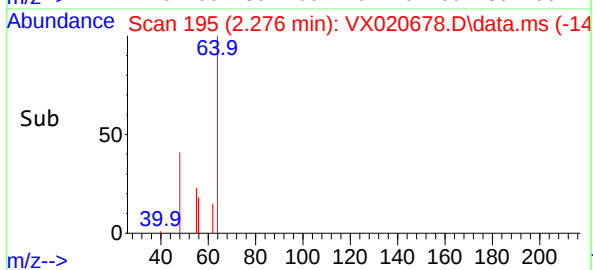
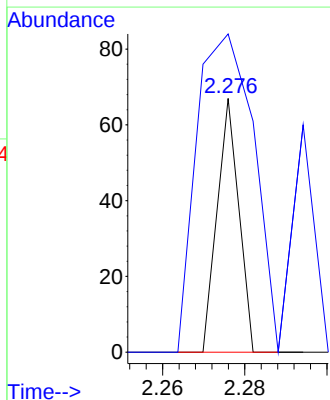
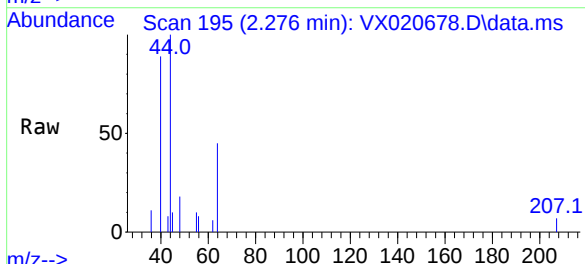
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

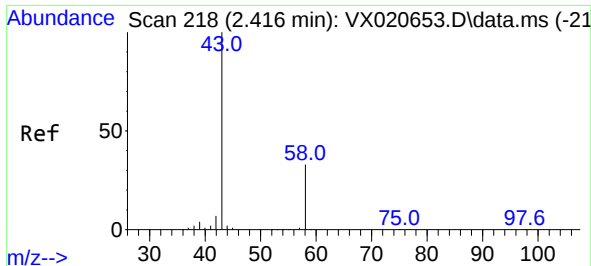
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#13
Acrolein
Concen: 30.37 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 412.0 56.4 84.6#

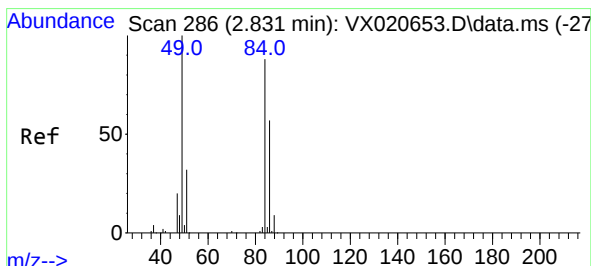
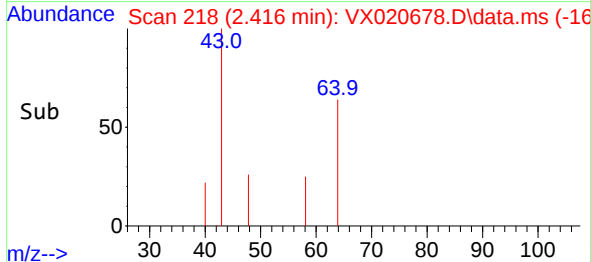
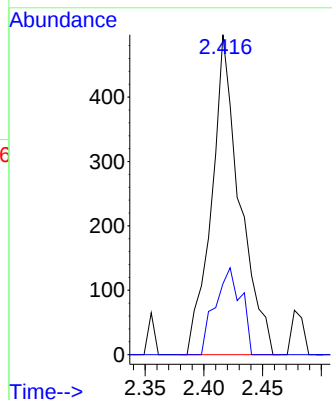
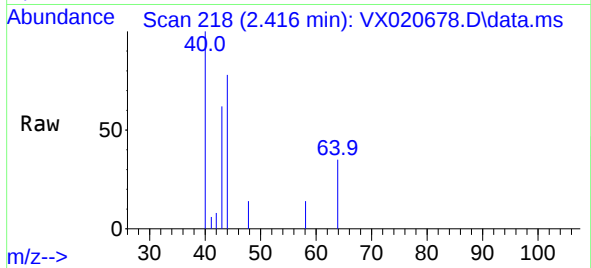




#16
Acetone
Concen: 0.64 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

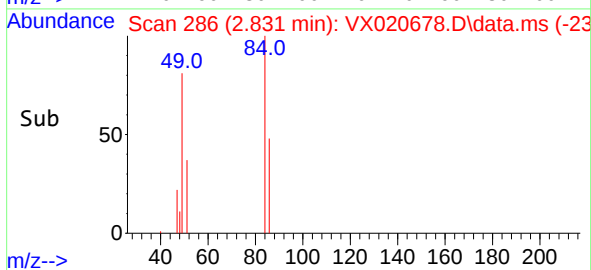
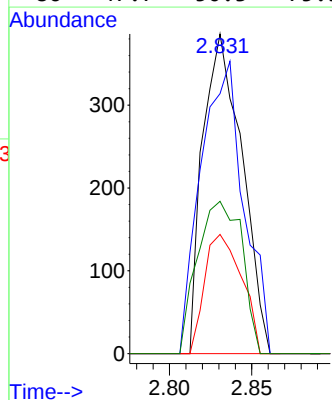
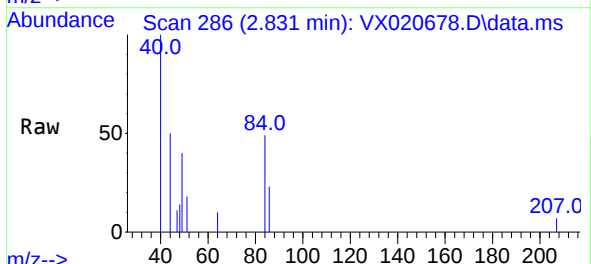
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

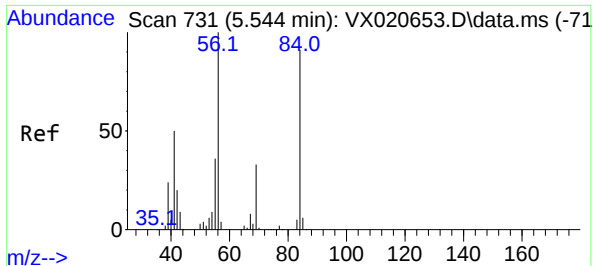
Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 22.1 27.8 41.8#



#20
Methylene Chloride
Concen: 0.20 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 84 Resp: 639
Ion Ratio Lower Upper
84 100
49 81.3 88.6 132.8#
51 37.3 27.0 40.6
86 47.7 50.3 75.5#

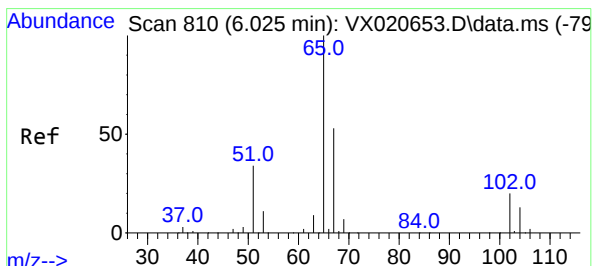
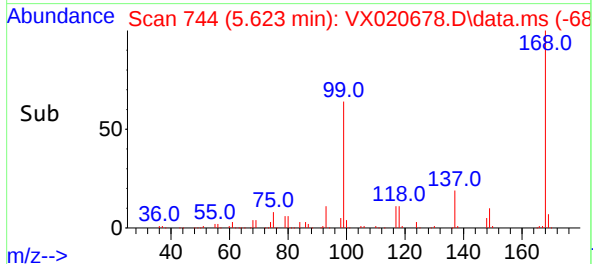
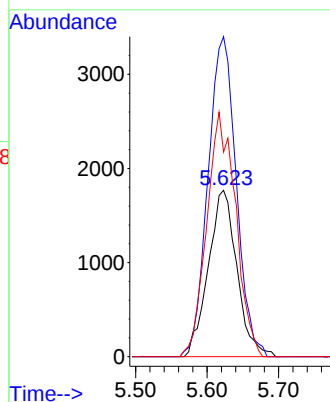
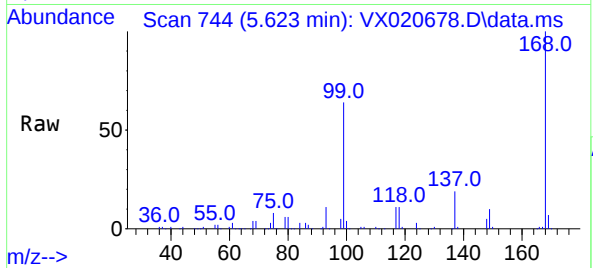




#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

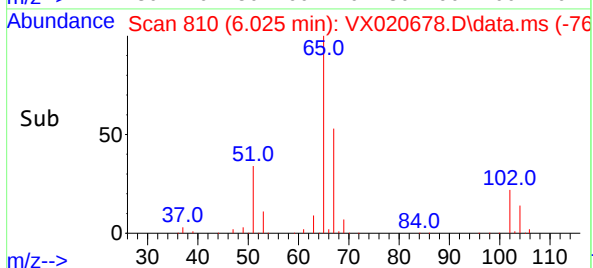
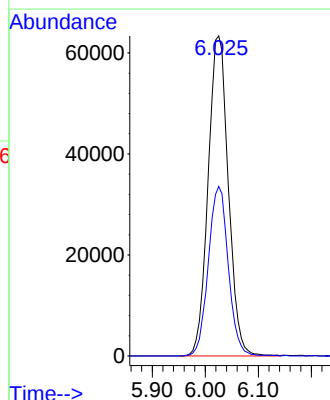
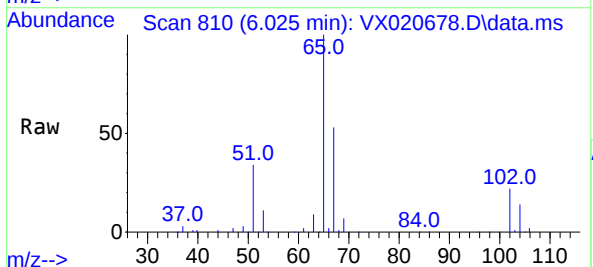
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

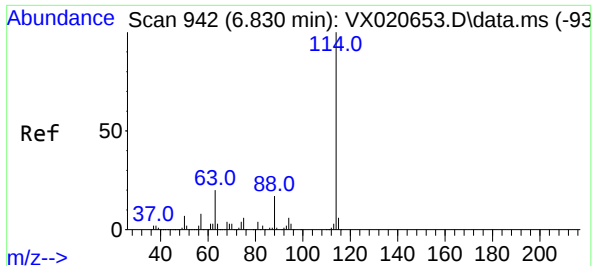
Tgt Ion: 56 Resp: 4918
Ion Ratio Lower Upper
56 100
69 192.3 25.3 37.9#
84 123.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.05 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 65 Resp: 167976
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4



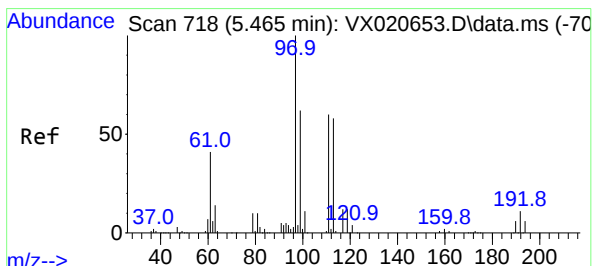
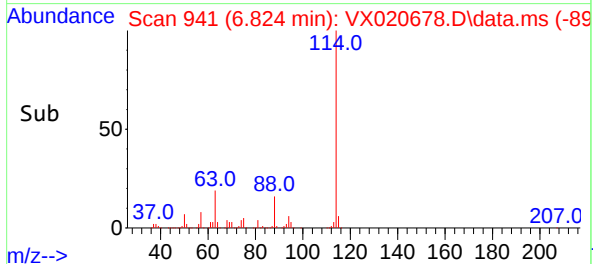
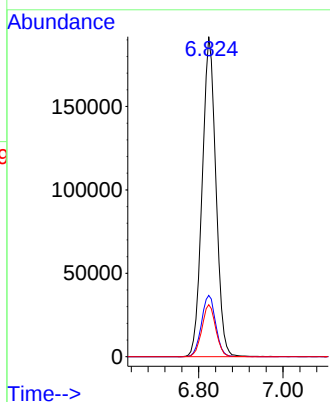
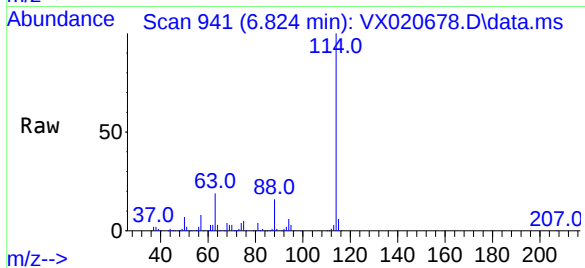


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.006 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

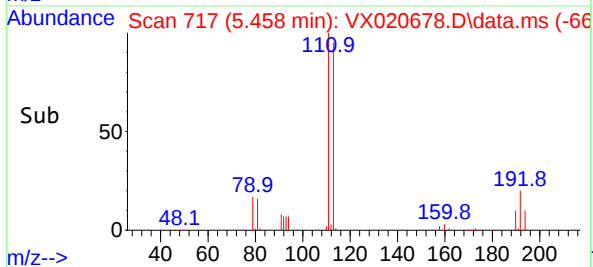
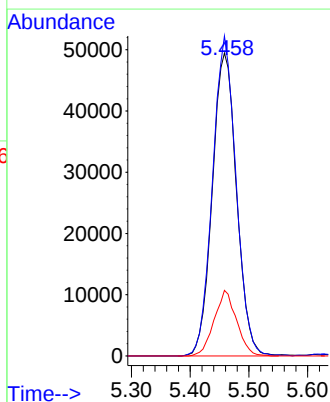
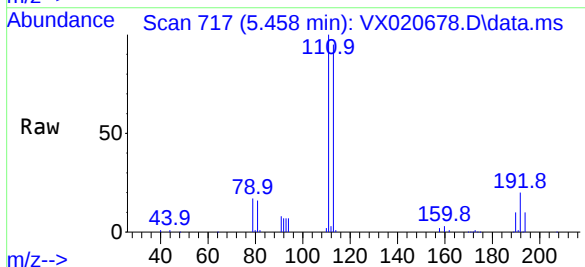
Tgt Ion:	114	Resp:	434125
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.8
88	16.2	0.0	32.8

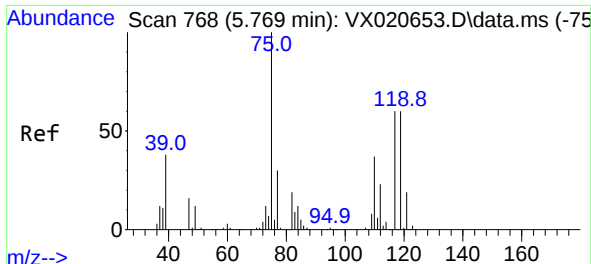


#35

Dibromofluoromethane
Concen: 47.42 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.007 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

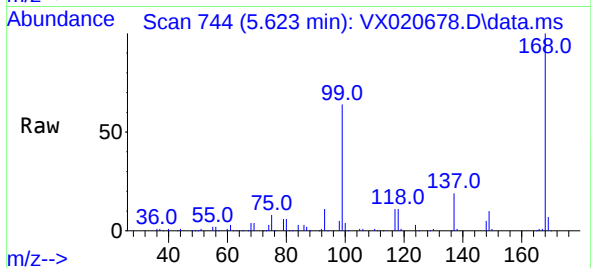
Tgt Ion:	113	Resp:	141830
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	20.0	16.7	25.1



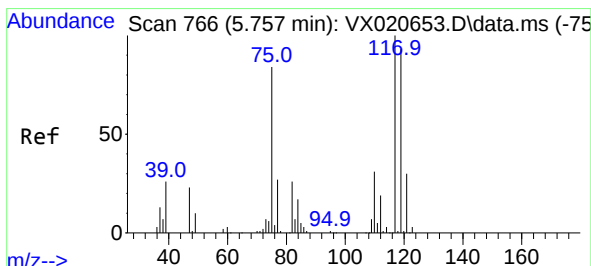
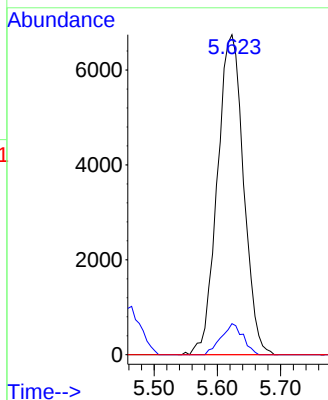
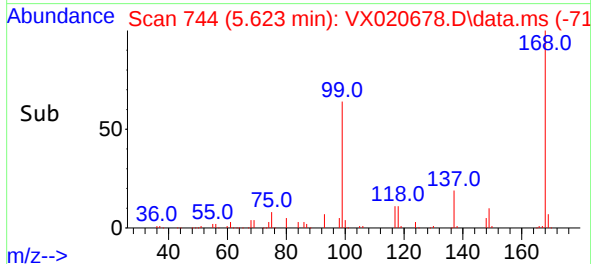


#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

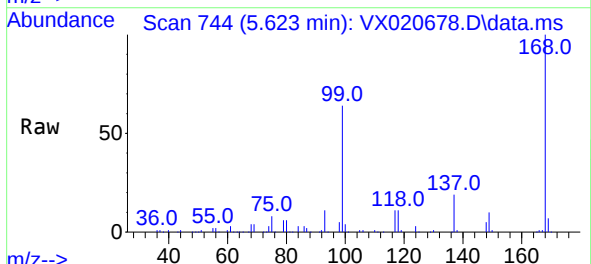
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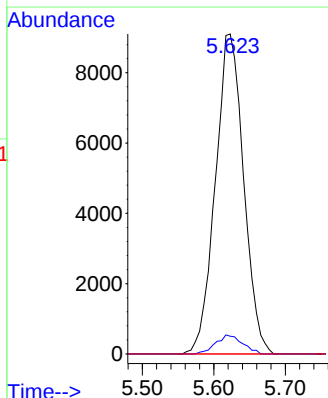
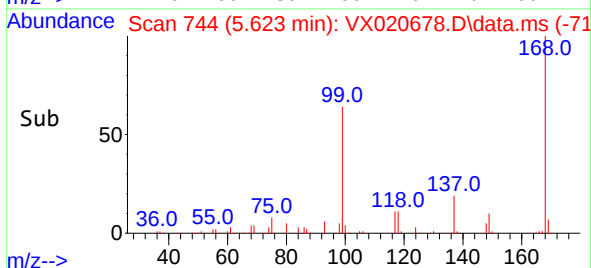
Tgt Ion: 75 Resp: 19418
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#

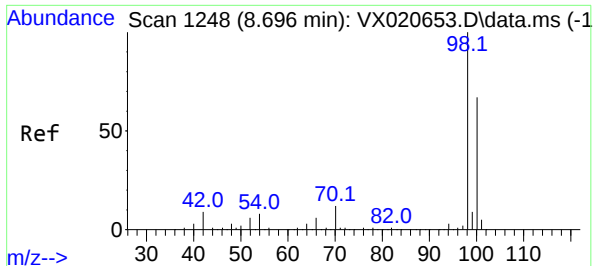


#38
Carbon Tetrachloride
Concen: 5.35 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.134 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24



Tgt Ion: 117 Resp: 24976
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

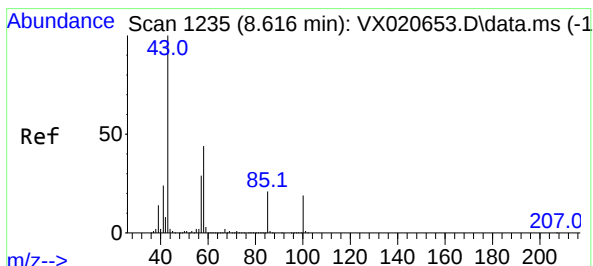
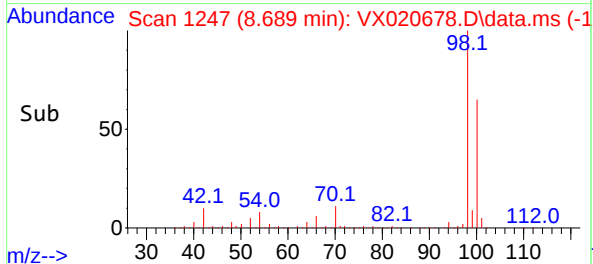
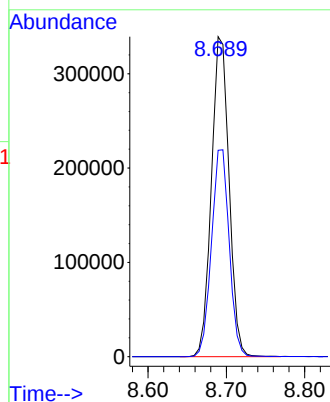
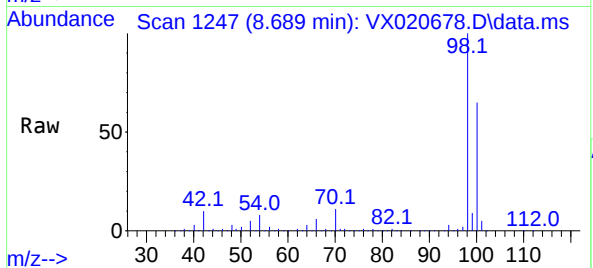




#50
Toluene-d8
Concen: 49.14 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. -0.007 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

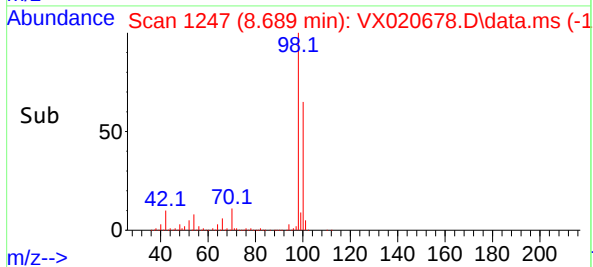
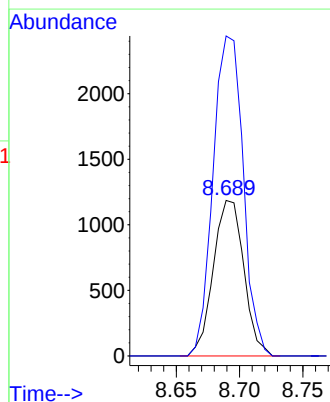
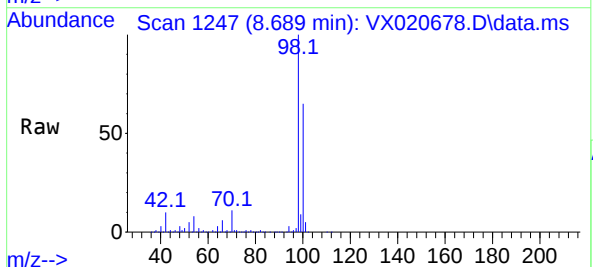
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

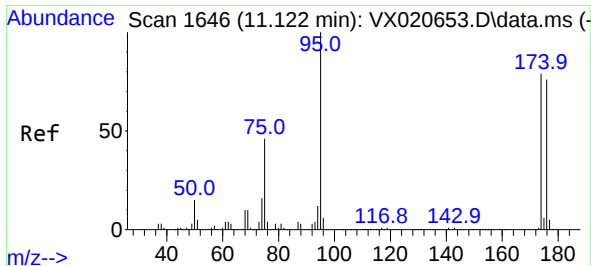
Tgt Ion: 98 Resp: 529975
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
58 202.3 35.4 53.0#

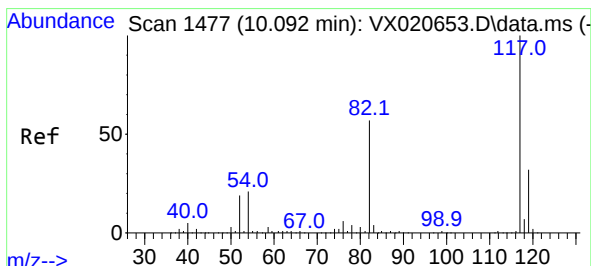
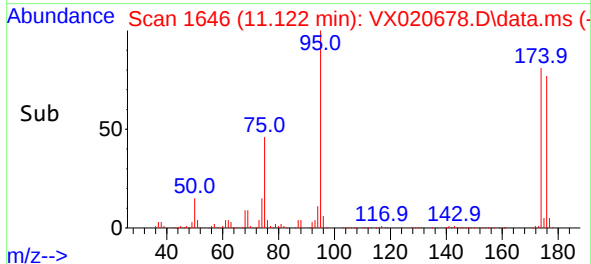
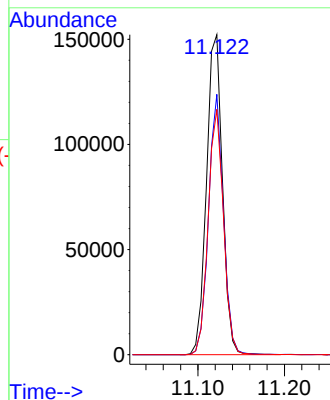
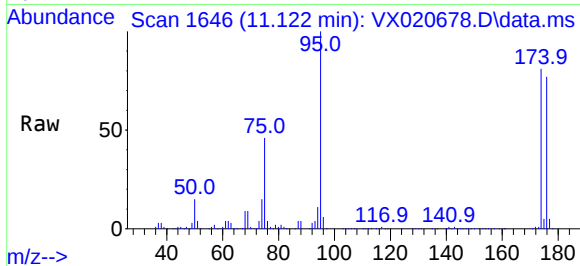




#62
4-Bromofluorobenzene
Concen: 47.75 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

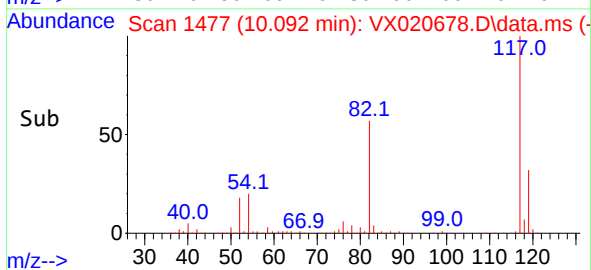
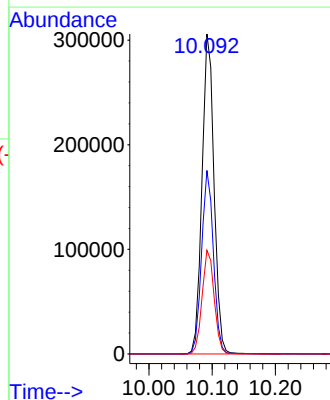
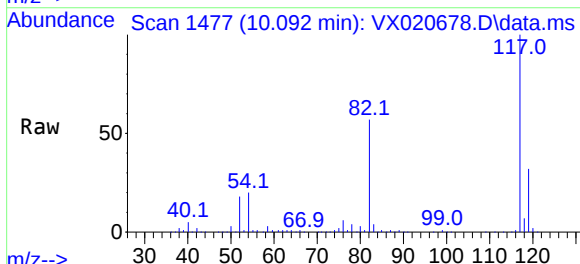
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

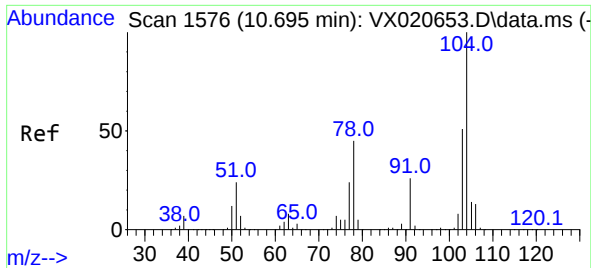
Tgt Ion: 95 Resp: 194664
Ion Ratio Lower Upper
95 100
174 76.0 0.0 154.6
176 74.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 117 Resp: 405325
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.4 26.6 39.8

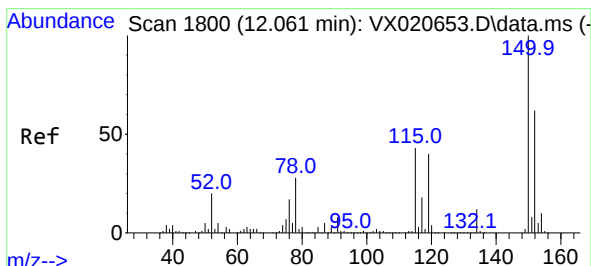
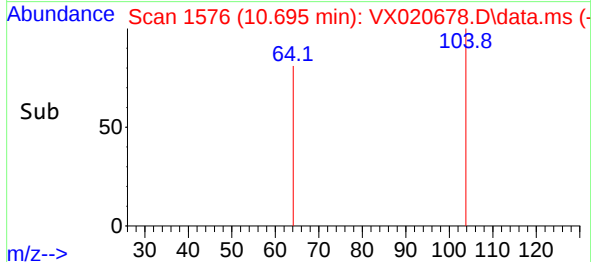
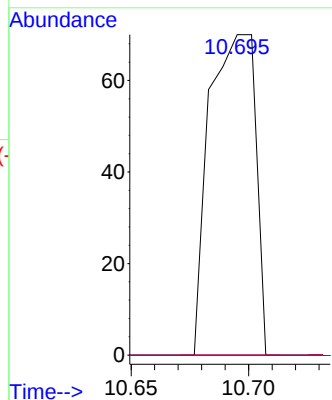
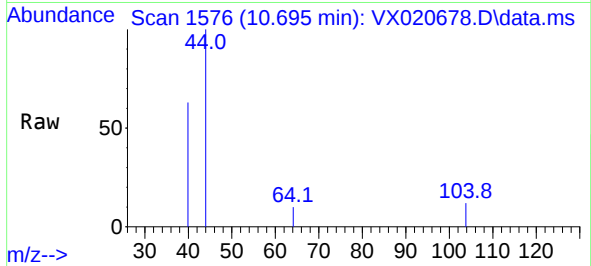




#70
Styrene
Concen: 1.43 ug/l
RT: 10.695 min Scan# 1576
Delta R.T. 0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

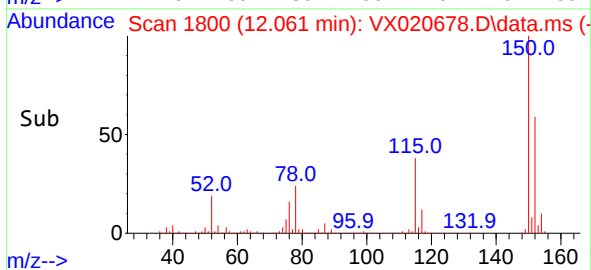
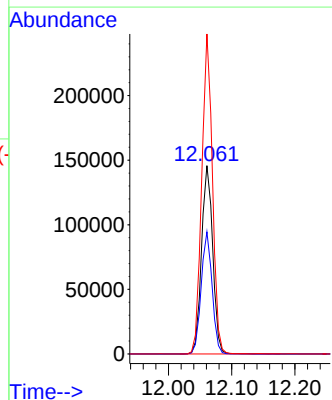
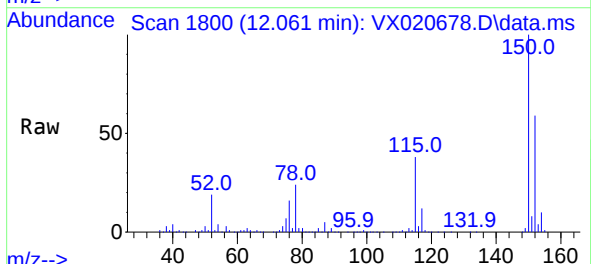
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

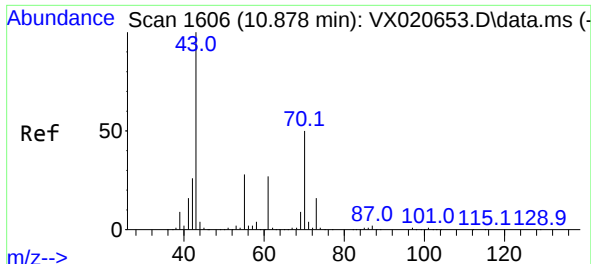
Tgt Ion:104 Resp: 95
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 0.0 43.4 65.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

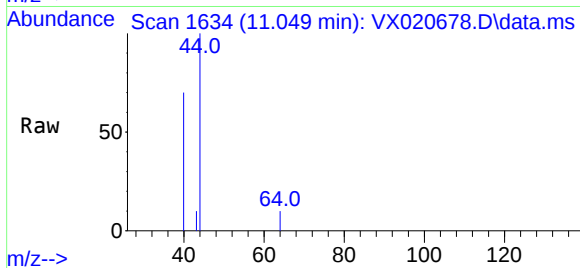
Tgt Ion:152 Resp: 179271
Ion Ratio Lower Upper
152 100
115 63.1 41.1 123.3
150 162.7 0.0 349.0





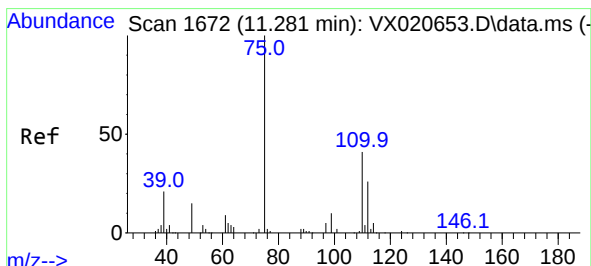
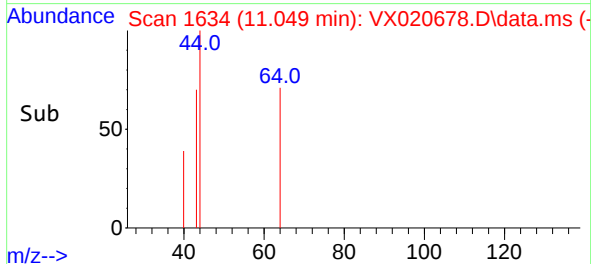
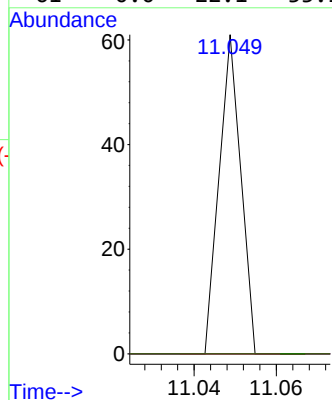
#74
N-amy1 acetate
Concen: 1.94 ug/l
RT: 11.049 min Scan# 1634
Delta R.T. 0.171 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921



Tgt Ion: 43 Resp: 22

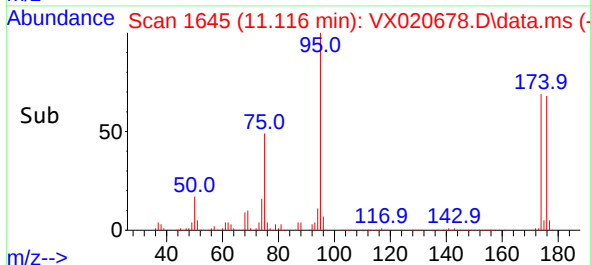
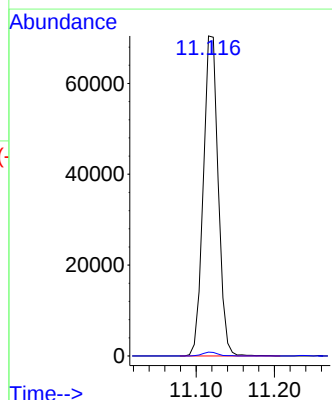
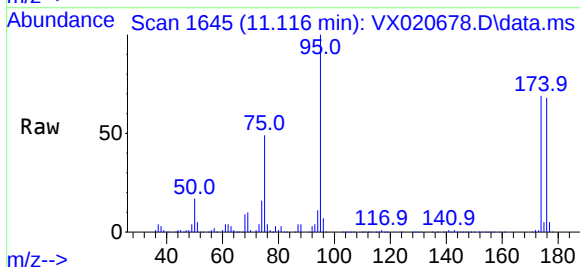
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#

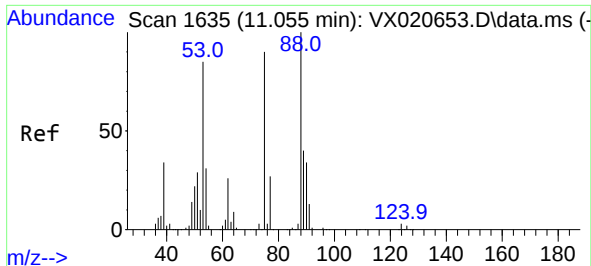


#76
1,2,3-Trichloropropane
Concen: 21.64 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.165 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 75 Resp: 93105

Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#

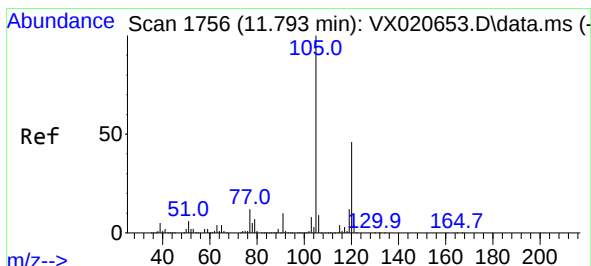
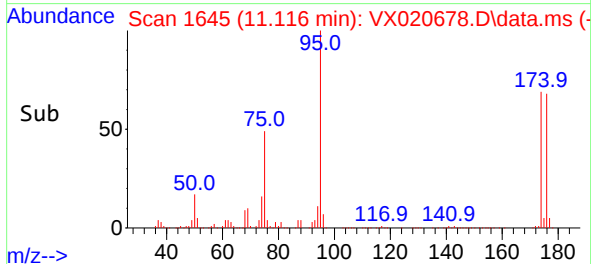
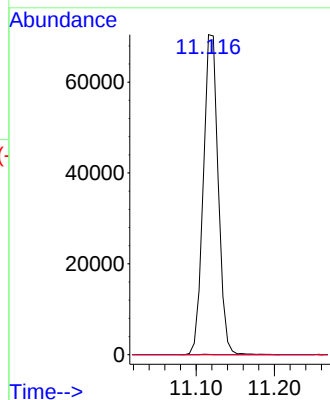
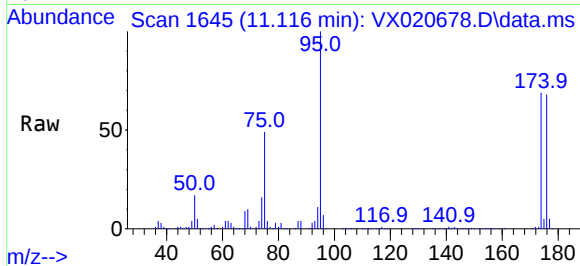




#81
trans-1,4-Dichloro-2-butene
Concen: 62.60 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

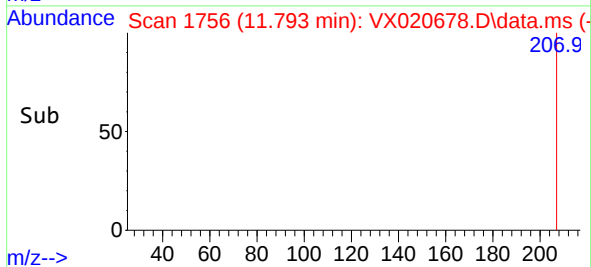
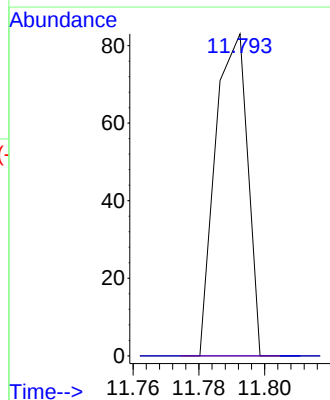
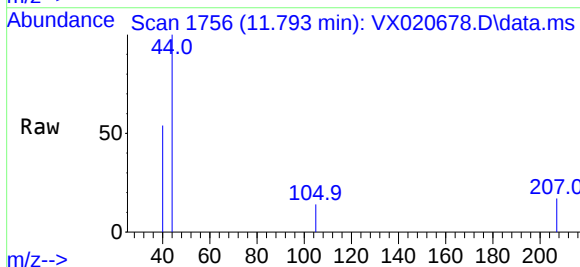
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

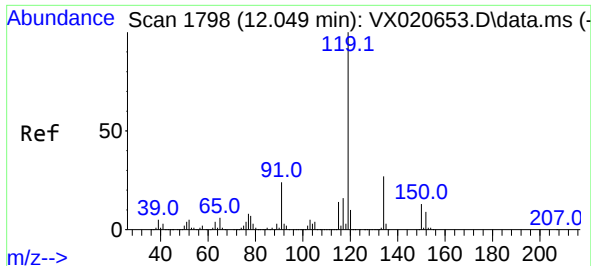
Tgt Ion: 75 Resp: 93105
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.40 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion: 105 Resp: 56
Ion Ratio Lower Upper
105 100
120 0.0 22.4 67.3#

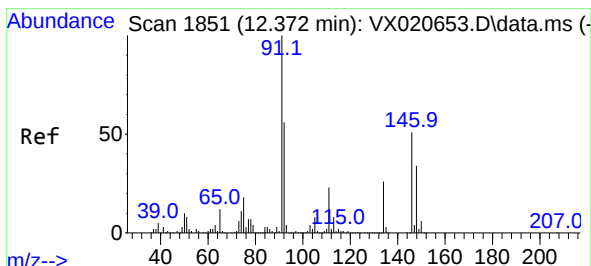
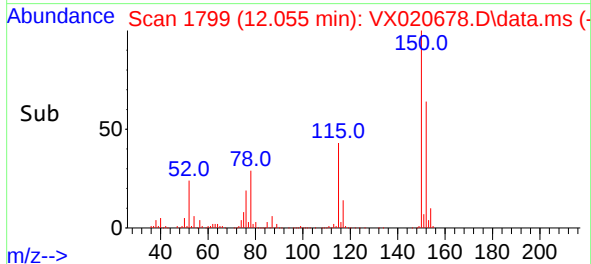
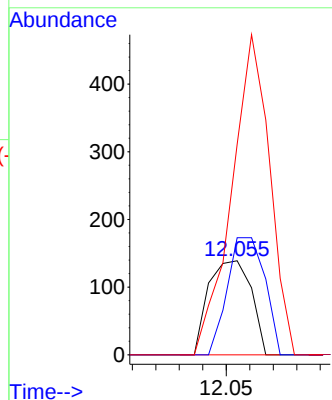
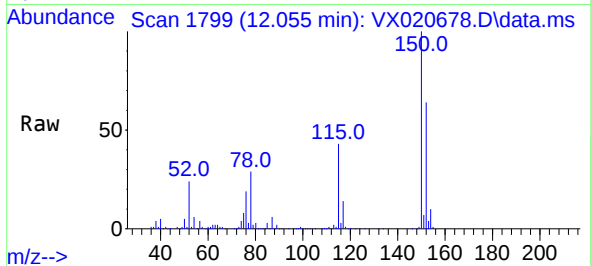




#86
p-Isopropyltoluene
Concen: 0.89 ug/l
RT: 12.055 min Scan# 1799
Delta R.T. 0.006 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

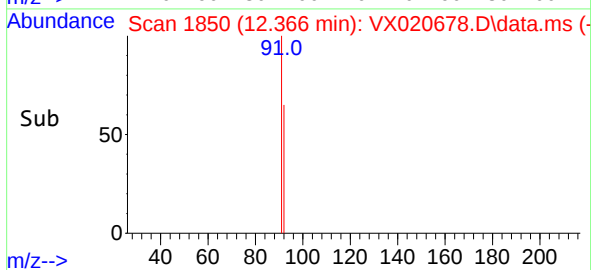
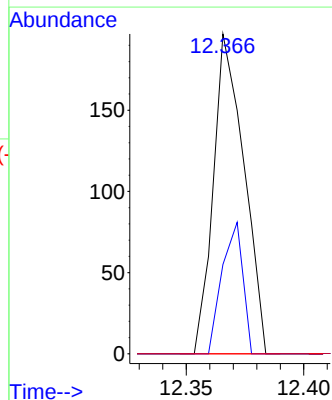
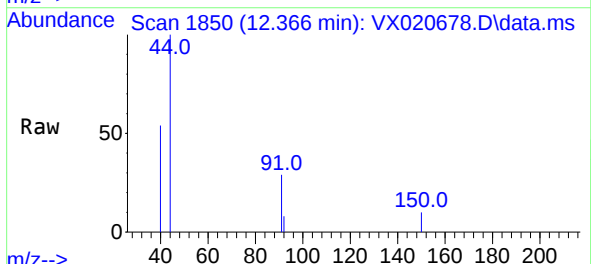
Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921

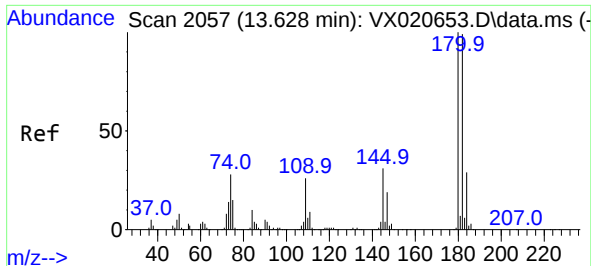
Tgt Ion:	119	Resp:	175
Ion	Ratio	Lower	Upper
119	100		
134	109.7	12.9	38.7#
91	303.4	11.7	35.0#



#89
n-Butylbenzene
Concen: 1.45 ug/l
RT: 12.366 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

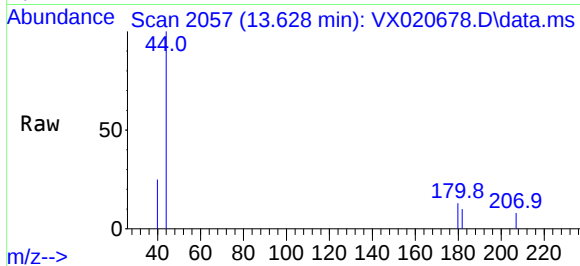
Tgt Ion:	91	Resp:	178
Ion	Ratio	Lower	Upper
91	100		
92	28.1	27.4	82.0
134	0.0	13.2	39.5#



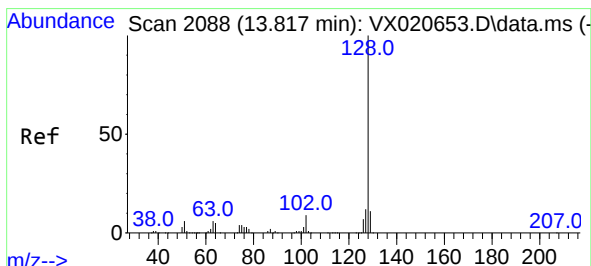
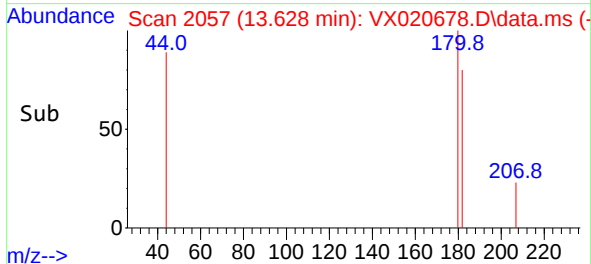
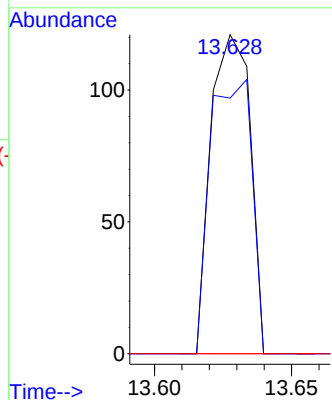


#93
1,2,4-Trichlorobenzene
Concen: 2.27 ug/l
RT: 13.628 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Instrument :
MSVOA_X
ClientSampleId :
TB-01-011921



Tgt Ion:180 Resp: 121
Ion Ratio Lower Upper
180 100
182 90.1 47.7 143.1
145 0.0 15.0 45.0#



#95
Naphthalene
Concen: 1.96 ug/l
RT: 13.810 min Scan# 2087
Delta R.T. -0.007 min
Lab File: VX020678.D
Acq: 20 Jan 2021 13:24

Tgt Ion:128 Resp: 213
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

