

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020341.D
 Acq On : 23 Dec 2020 16:17
 Operator : JC/MD
 Sample : L5123-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20201214DL

Quant Time: Dec 24 00:18:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

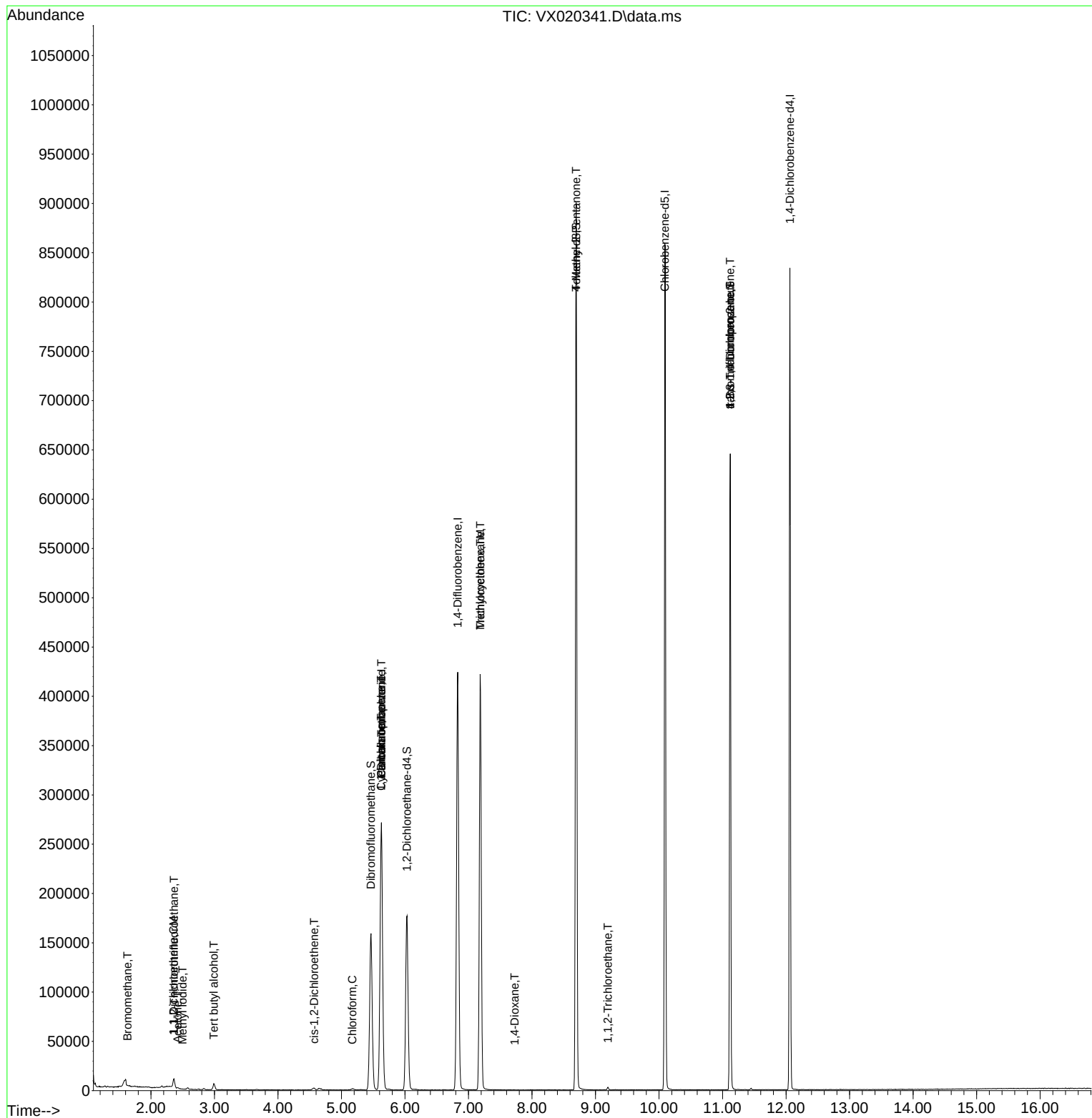
Internal Standards						
1) Pentafluorobenzene	5.629	168	254121	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	428909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	407827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	170567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	171378	50.31	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.62%	
35) Dibromofluoromethane	5.464	113	136692	49.82	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.64%	
50) Toluene-d8	8.696	98	530412	50.22	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.44%	
62) 4-Bromofluorobenzene	11.122	95	181850	44.99	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.98%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	313	0.28	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	2.361	101	1916	0.76	ug/l #	91
10) Methyl Iodide	2.495	142	88	3.31	ug/l #	79
11) Tert butyl alcohol	2.989	59	3411	4.47	ug/l #	75
12) 1,1-Dichloroethene	2.355	96	1288	0.50	ug/l	95
16) Acetone	2.416	43	1063	0.68	ug/l #	88
27) cis-1,2-Dichloroethene	4.568	96	1205	0.34	ug/l	98
30) Chloroform	5.172	83	1707	0.30	ug/l	91
31) Cyclohexane	5.623	56	5052	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	19935	4.70	ug/l #	48
38) Carbon Tetrachloride	5.629	117	25927	6.43	ug/l #	16
39) Methylcyclohexane	7.184	83	1969	0.40	ug/l #	1
44) Trichloroethene	7.184	130	160900	47.17	ug/l	98
49) 1,4-Dioxane	7.726	88	79	0.99	ug/l #	84
51) 4-Methyl-2-Pentanone	8.696	43	2136	0.50	ug/l #	1
55) 1,1,2-Trichloroethane	9.196	97	779	0.23	ug/l	87
76) 1,2,3-Trichloropropane	11.122	75	88433	21.05	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	88433	62.44	ug/l #	12

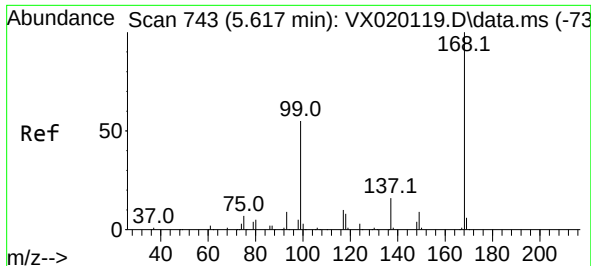
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

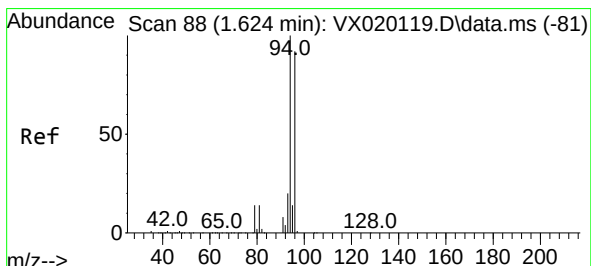
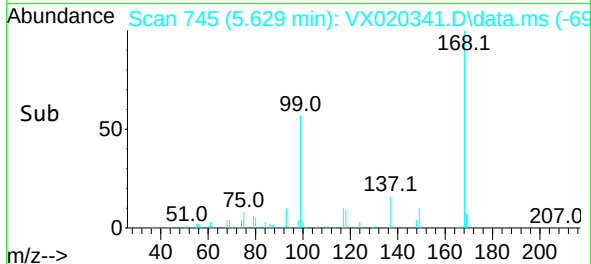
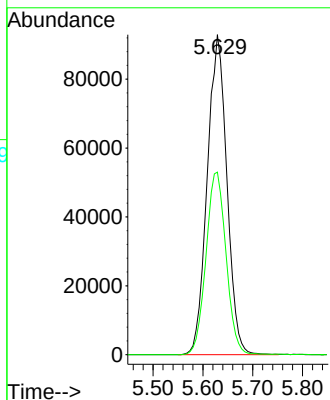
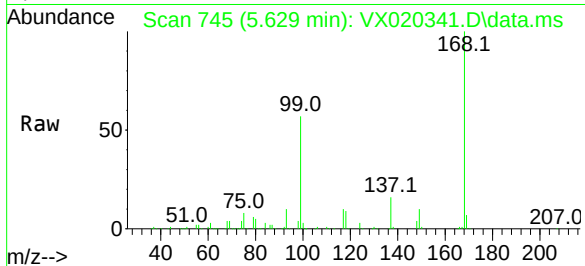




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

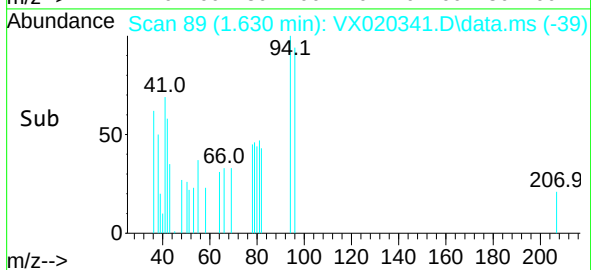
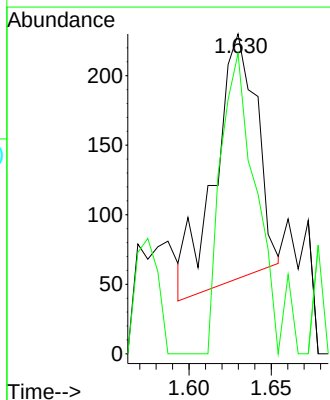
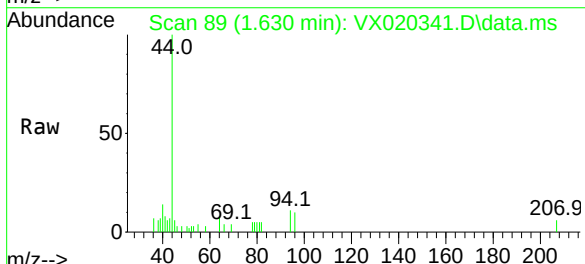
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

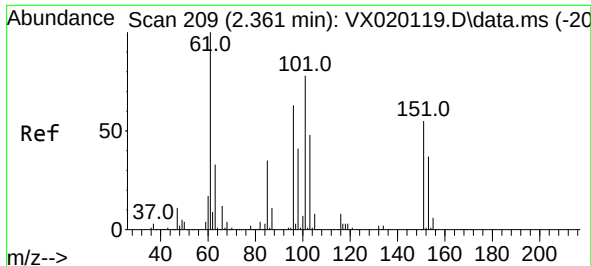
Tgt Ion:168 Resp: 254121
Ion Ratio Lower Upper
168 100
99 57.1 45.8 68.6



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 130.9 76.4 114.6#

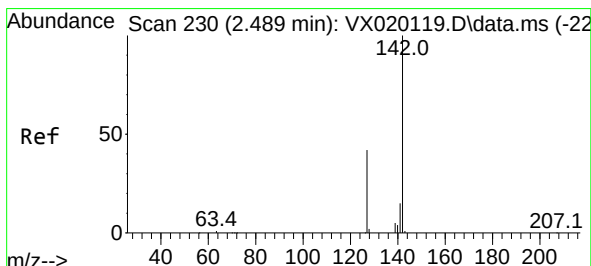
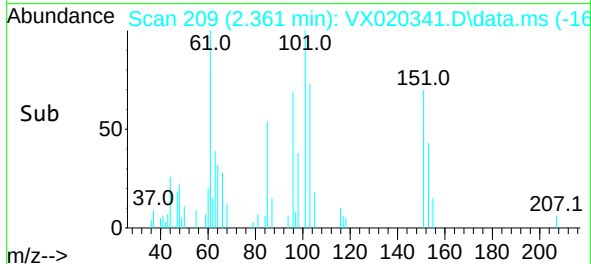
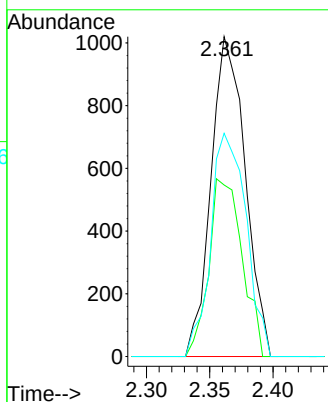
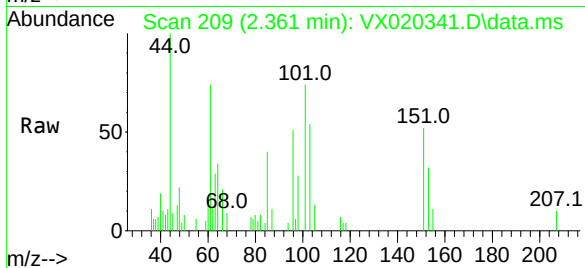




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.76 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

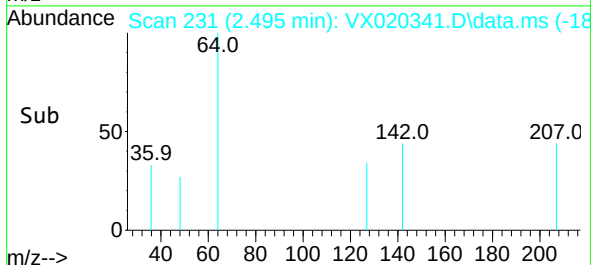
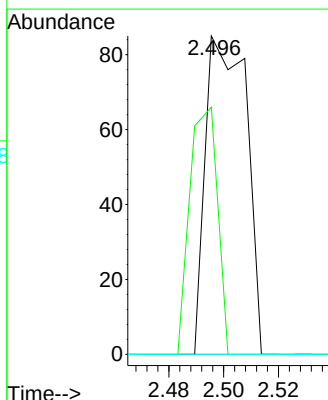
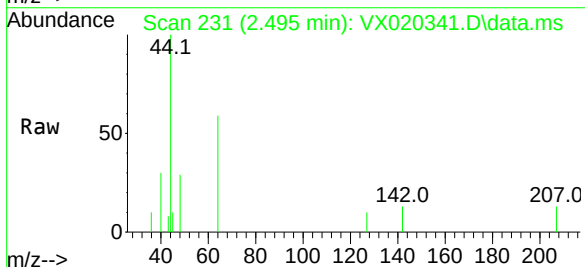
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

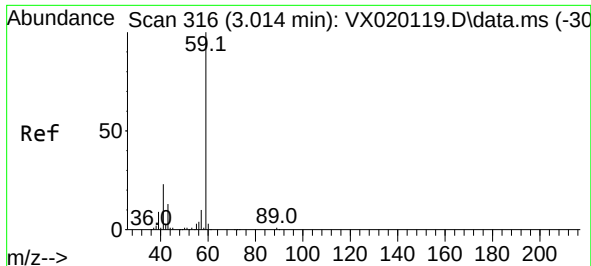
Tgt Ion:101 Resp: 1916
Ion Ratio Lower Upper
101 100
85 54.1 34.9 52.3#
151 72.3 61.4 92.2



#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion:142 Resp: 88
Ion Ratio Lower Upper
142 100
127 52.3 33.3 49.9#
141 0.0 11.4 17.0#

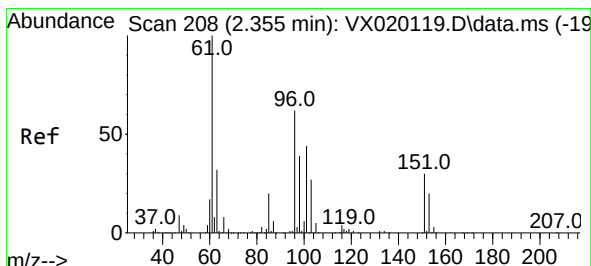
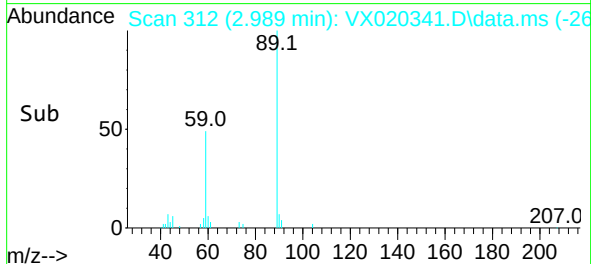
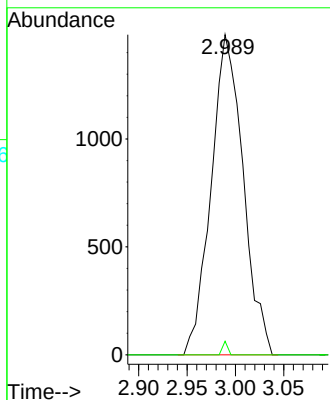
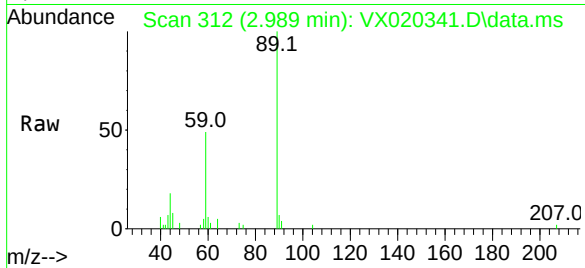




#11
Tert butyl alcohol
Concen: 4.47 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

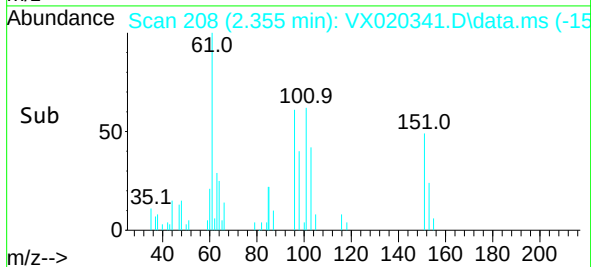
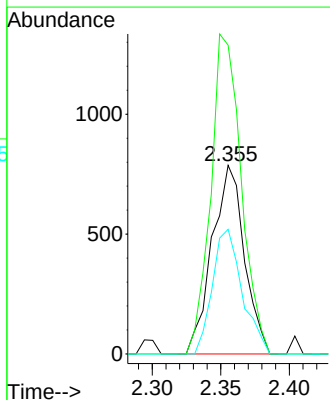
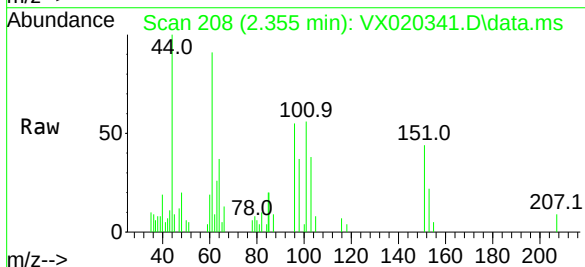
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

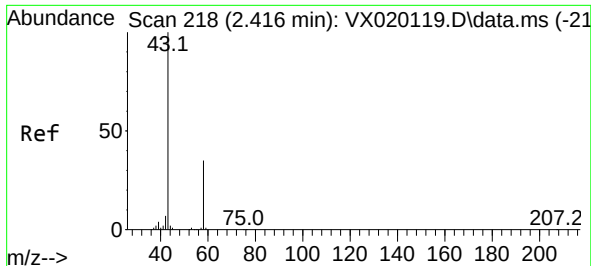
Tgt Ion: 59 Resp: 3411
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.50 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 96 Resp: 1288
Ion Ratio Lower Upper
96 100
61 163.7 124.6 187.0
98 66.1 50.6 76.0

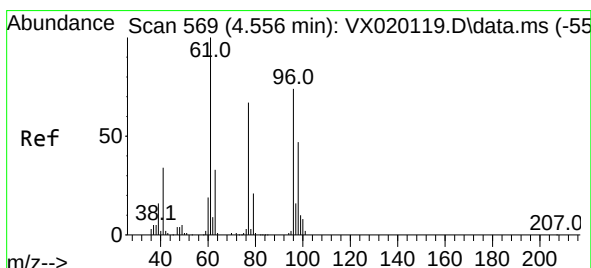
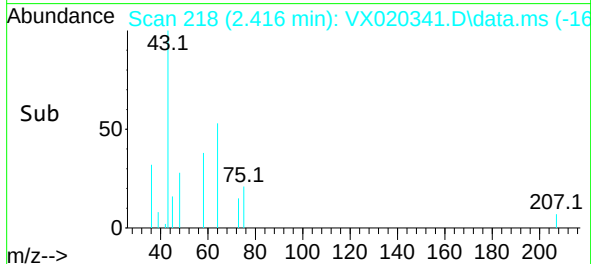
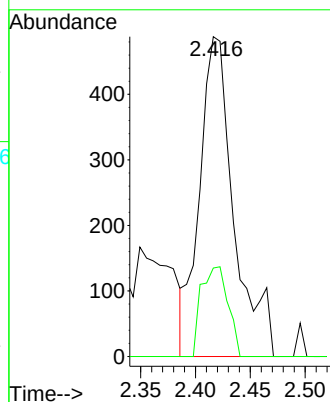
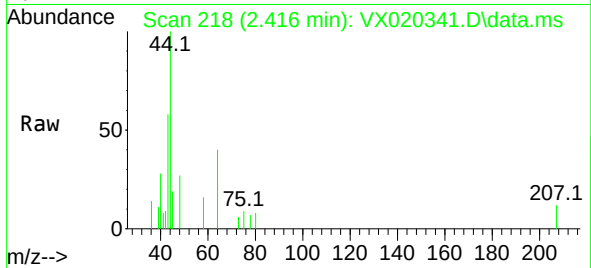




#16
Acetone
Concen: 0.68 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

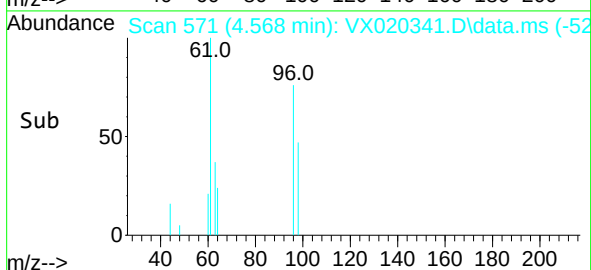
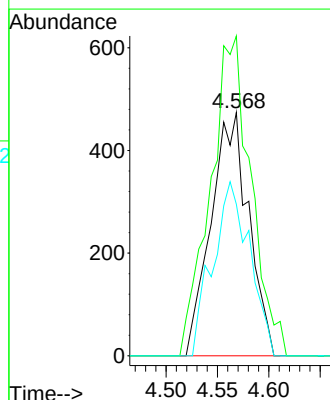
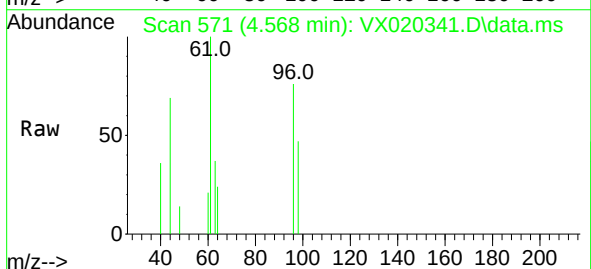
Instrument :
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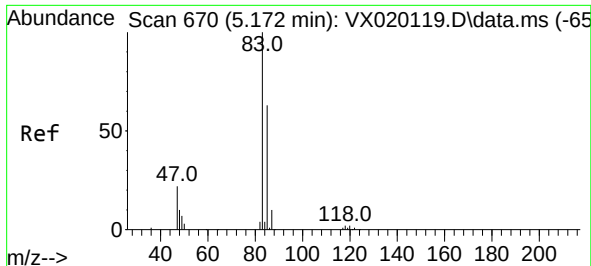
Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#



#27
cis-1,2-Dichloroethene
Concen: 0.34 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 96 Resp: 1205
Ion Ratio Lower Upper
96 100
61 142.2 0.0 285.6
98 70.2 0.0 129.6





#30

Chloroform

Concen: 0.30 ug/l

RT: 5.172 min Scan# 670

Delta R.T. -0.000 min

Lab File: VX020341.D

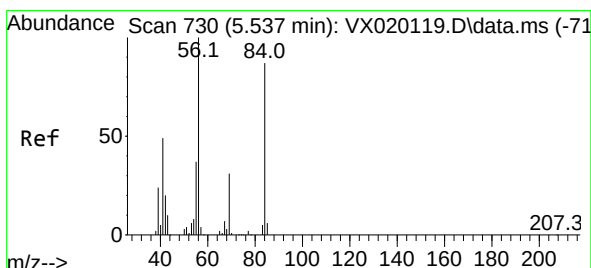
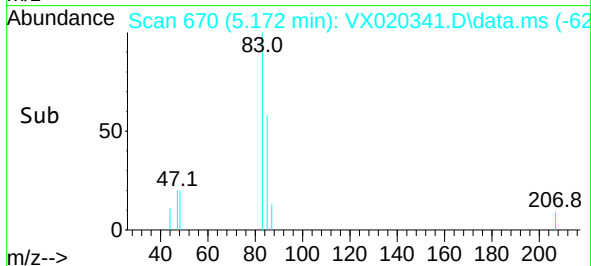
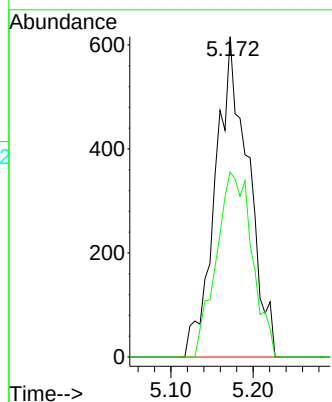
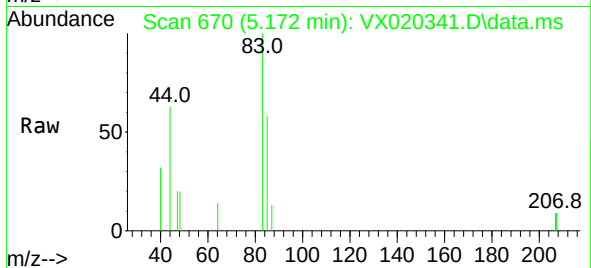
Acq: 23 Dec 2020 16:17

Tgt Ion: 83 Resp: 1707

Ion Ratio Lower Upper

83 100

85 57.8 52.0 78.0



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.623 min Scan# 744

Delta R.T. 0.086 min

Lab File: VX020341.D

Acq: 23 Dec 2020 16:17

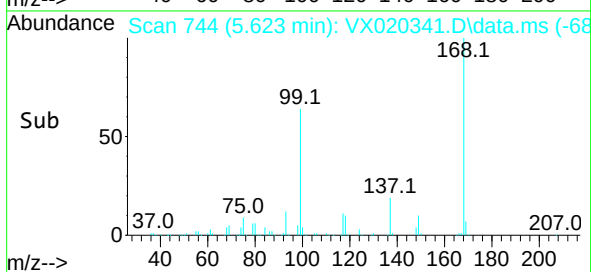
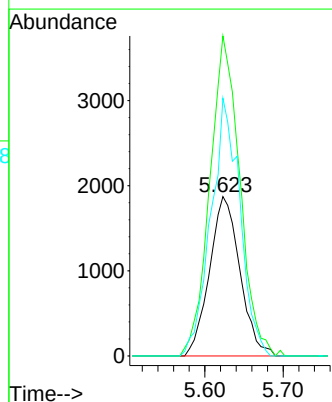
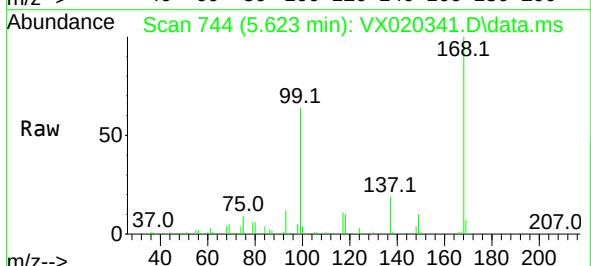
Tgt Ion: 56 Resp: 5052

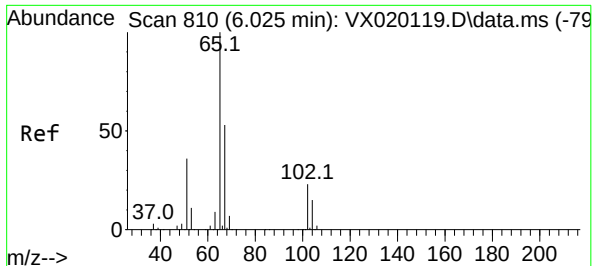
Ion Ratio Lower Upper

56 100

69 200.9 25.3 37.9#

84 161.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.31 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020341.D

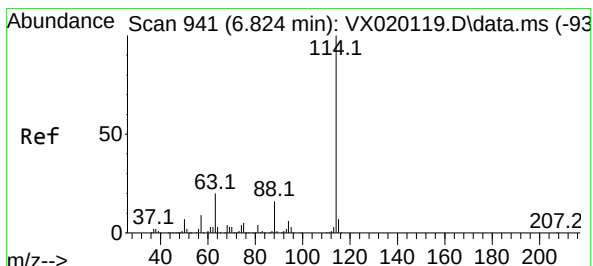
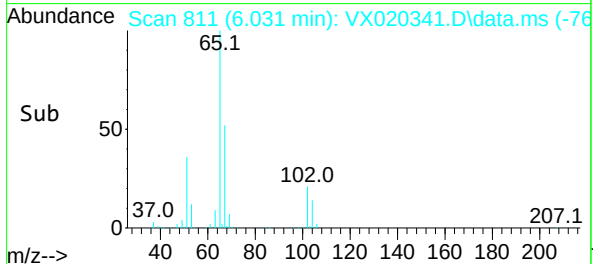
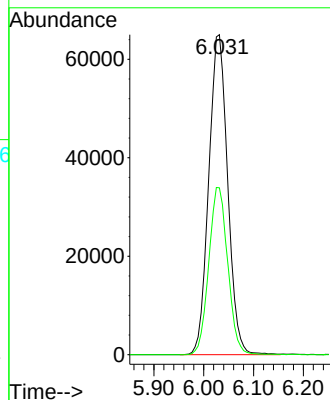
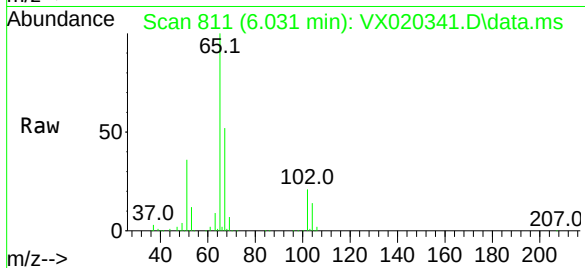
Acq: 23 Dec 2020 16:17

Tgt Ion: 65 Resp: 171378

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020341.D

Acq: 23 Dec 2020 16:17

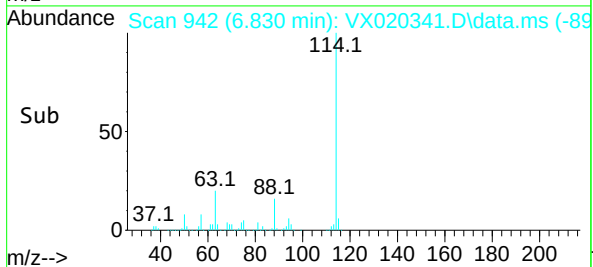
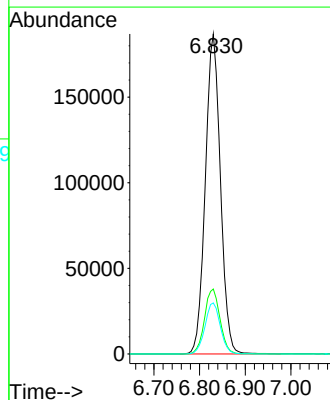
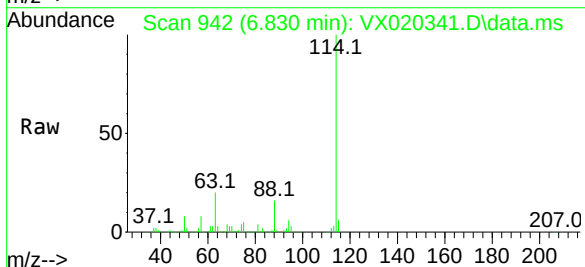
Tgt Ion: 114 Resp: 428909

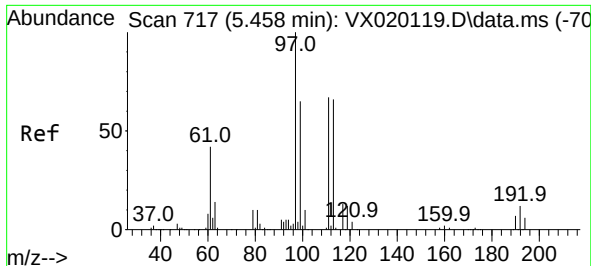
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

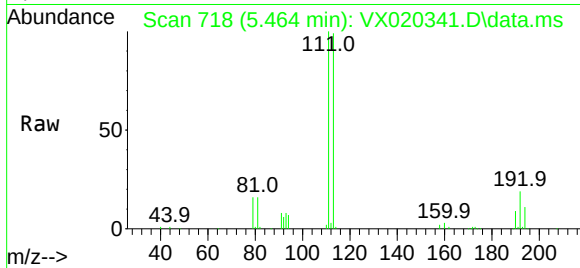
88 16.0 0.0 32.8



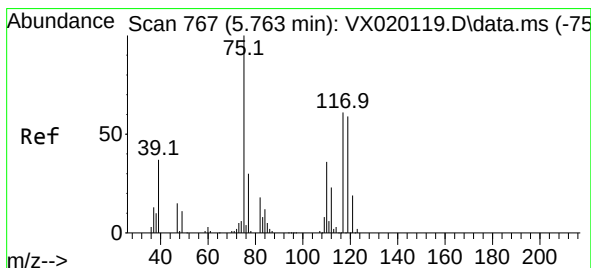
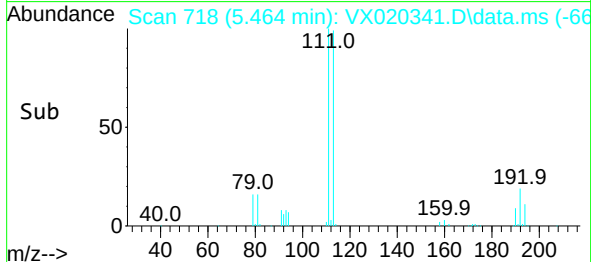
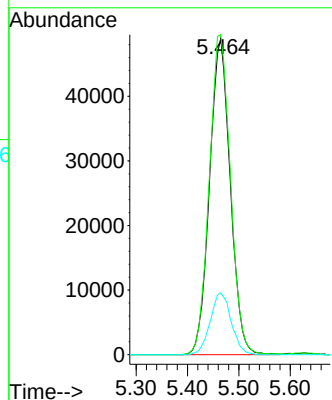


#35
Dibromofluoromethane
Concen: 49.82 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

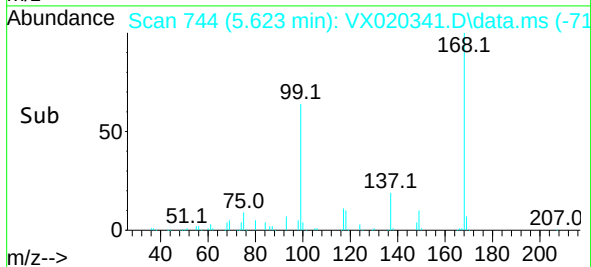
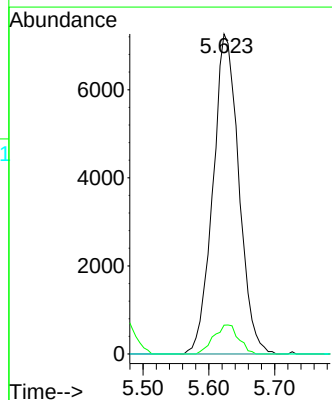
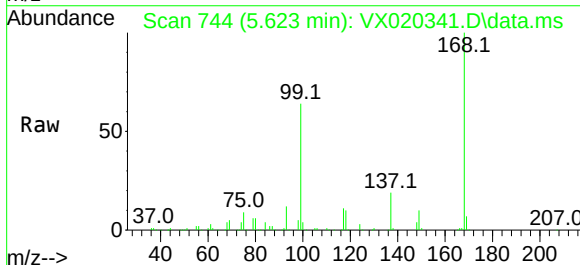


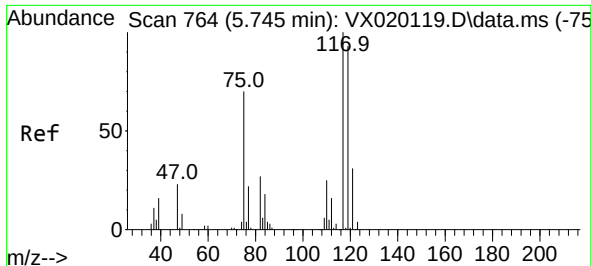
Tgt Ion:113 Resp: 136692
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

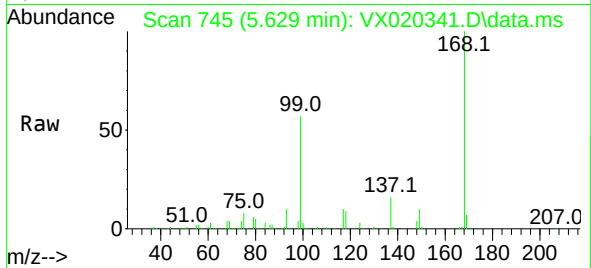
Tgt Ion: 75 Resp: 19935
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



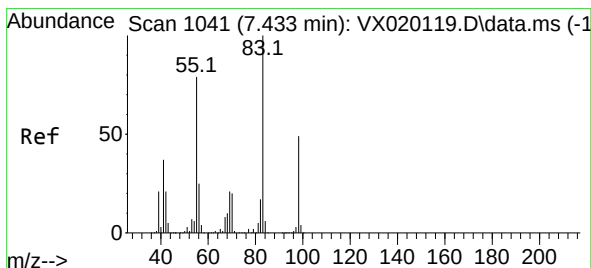
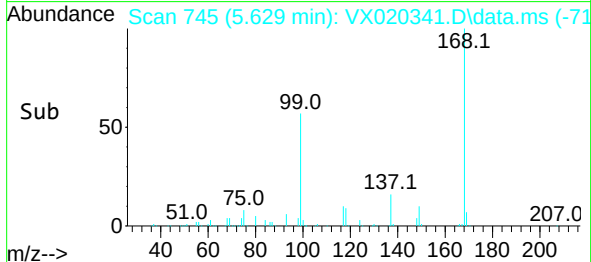
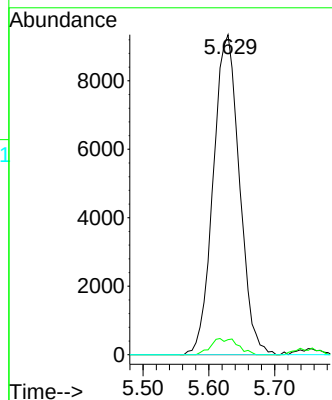


#38
Carbon Tetrachloride
Concen: 6.43 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

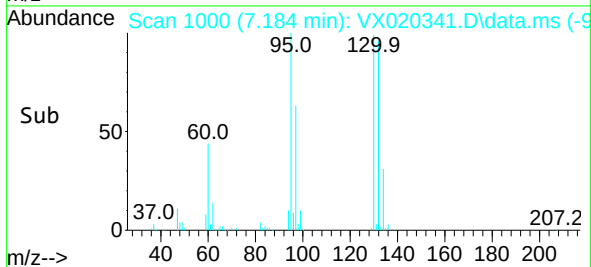
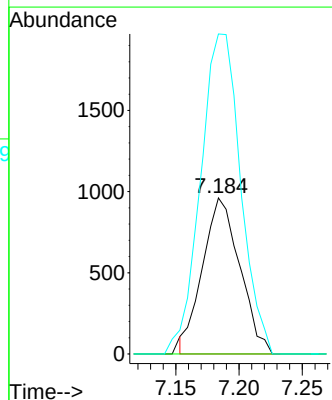
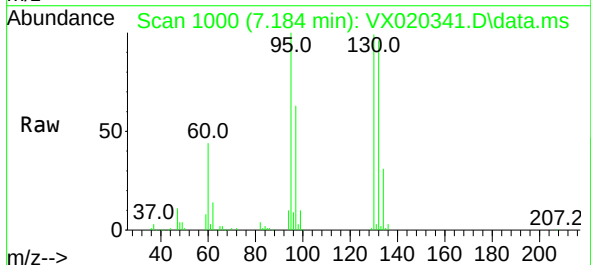


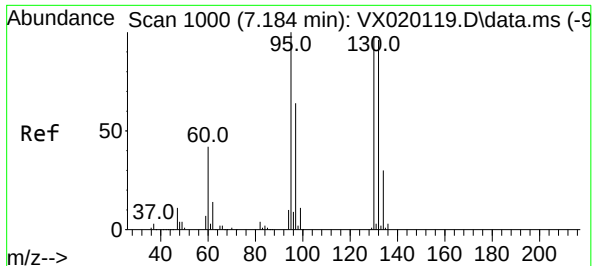
Tgt Ion:117 Resp: 25927
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.40 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 83 Resp: 1969
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 205.1 38.1 57.1#

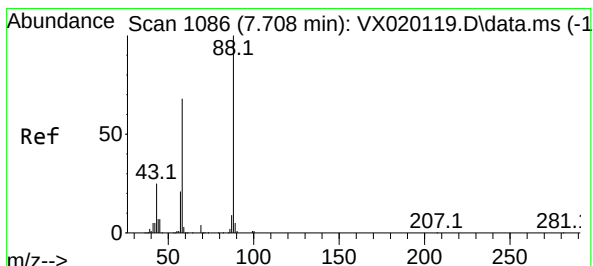
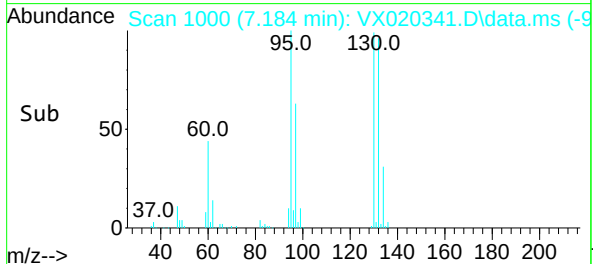
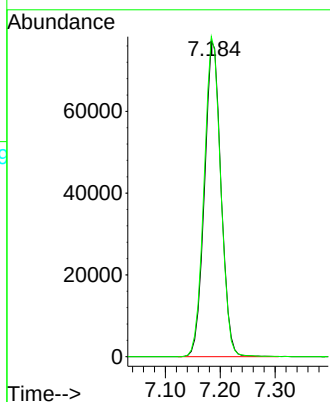
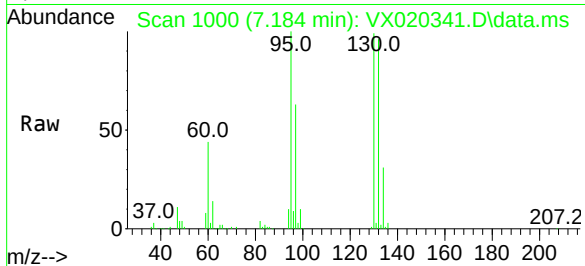




#44
Trichloroethene
Concen: 47.17 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

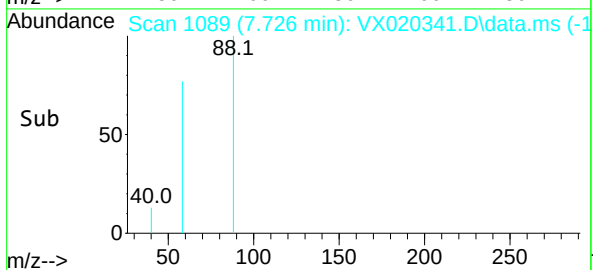
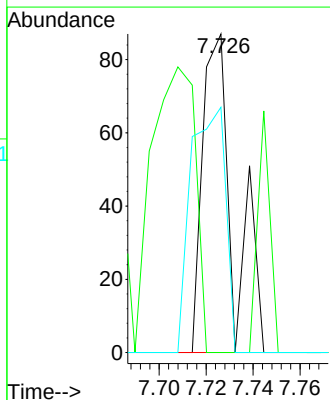
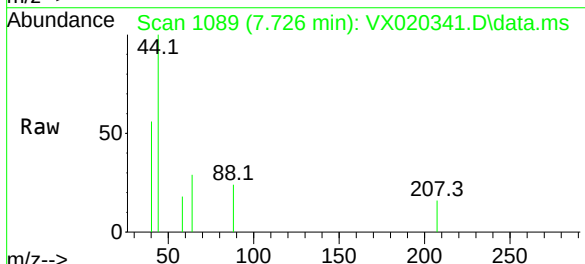
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

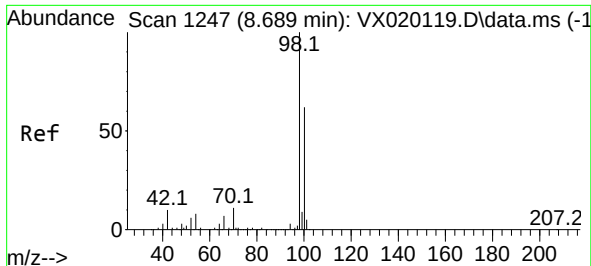
Tgt Ion:130 Resp: 160900
Ion Ratio Lower Upper
130 100
95 101.3 0.0 198.0



#49
1,4-Dioxane
Concen: 0.99 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.018 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 30.4 23.2 34.8
58 86.1 55.0 82.4#

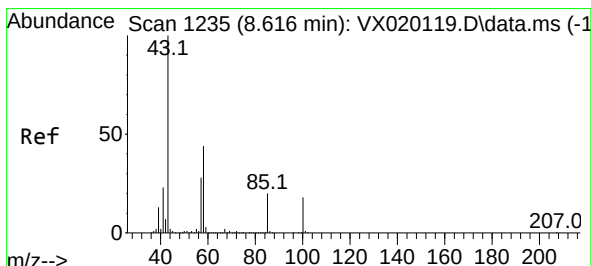
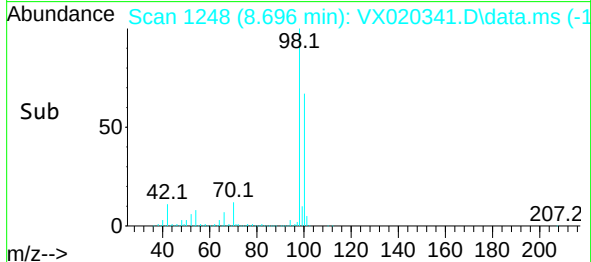
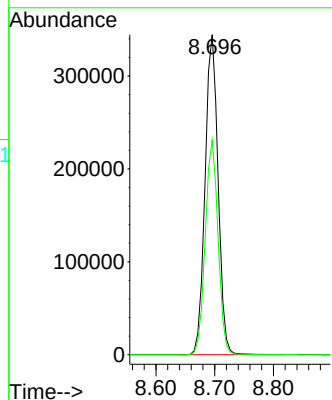
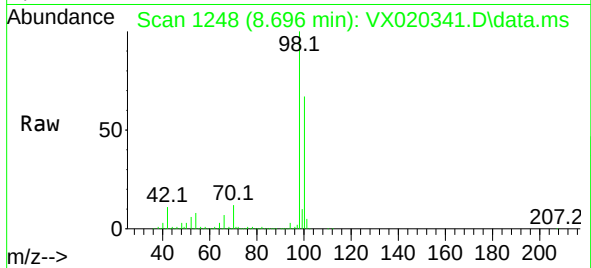




#50
Toluene-d8
Concen: 50.22 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

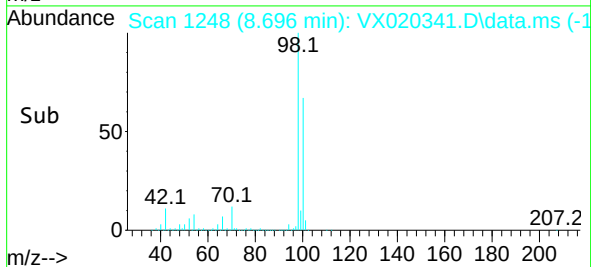
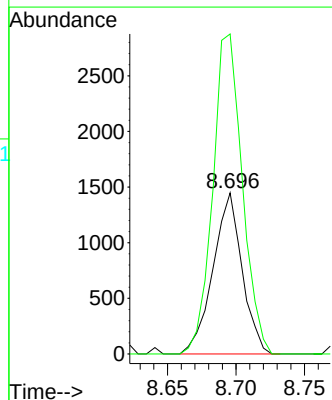
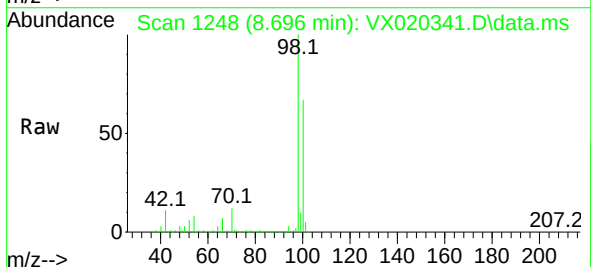
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

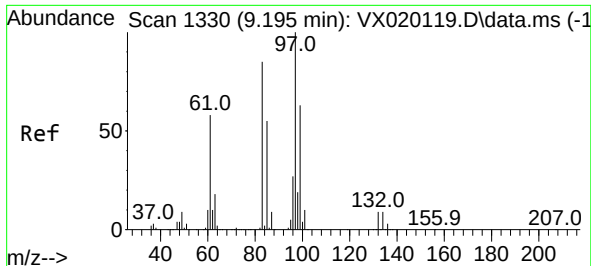
Tgt Ion: 98 Resp: 530412
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
58 201.9 35.4 53.0#



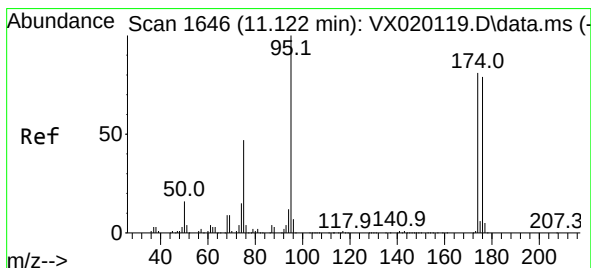
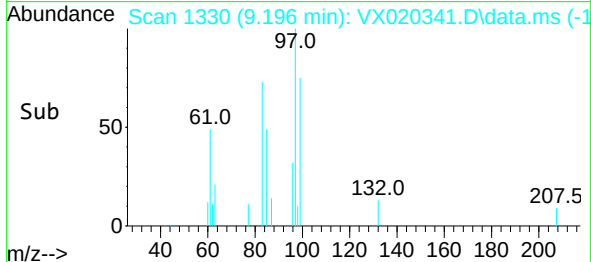
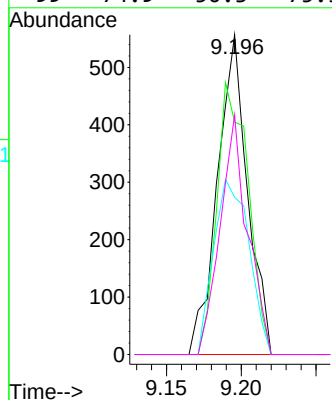
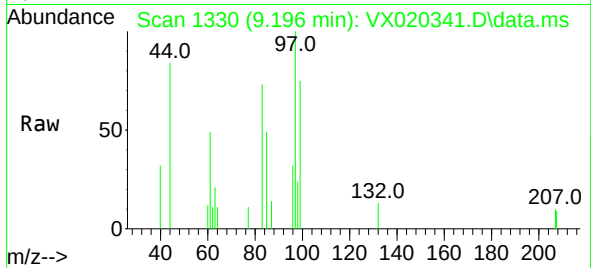


#55
1,1,2-Trichloroethane
Concen: 0.23 ug/l
RT: 9.196 min Scan# 1330
Delta R.T. 0.001 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

Tgt Ion: 97 Resp: 779

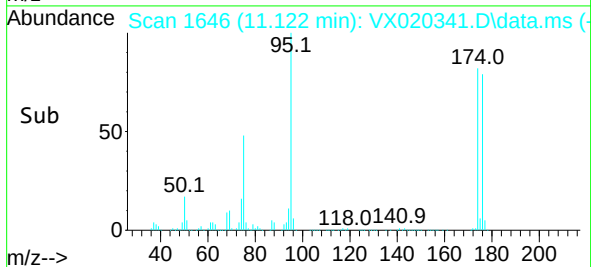
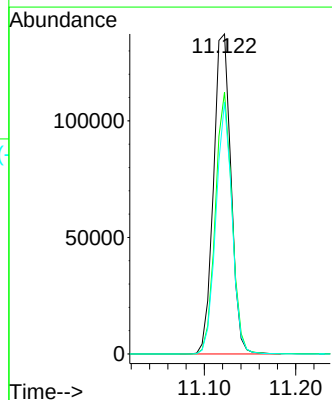
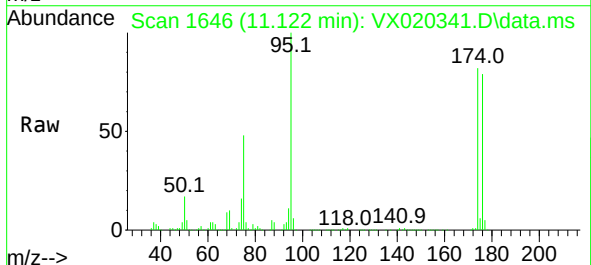
Ion	Ratio	Lower	Upper
97	100		
83	72.7	69.3	103.9
85	49.2	44.3	66.5
99	74.9	50.3	75.5

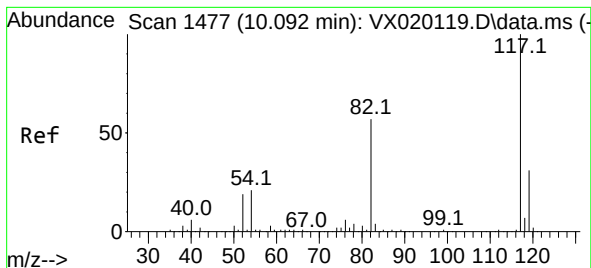


#62
4-Bromofluorobenzene
Concen: 44.99 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 95 Resp: 181850

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	154.6
176	72.9	0.0	155.8

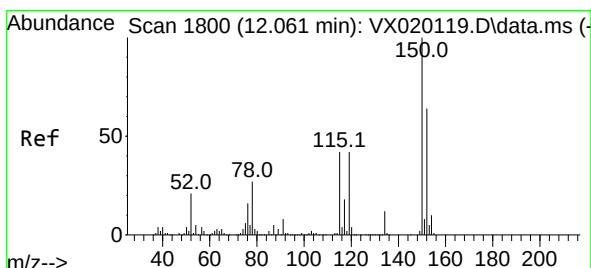
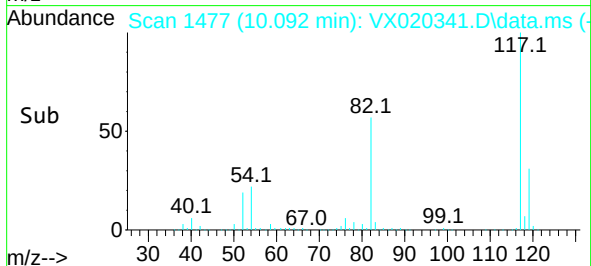
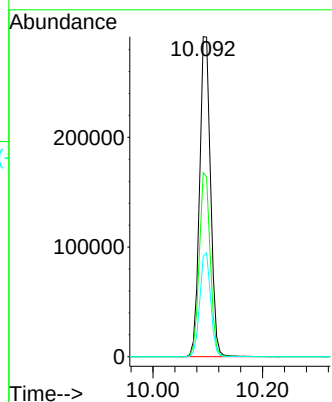
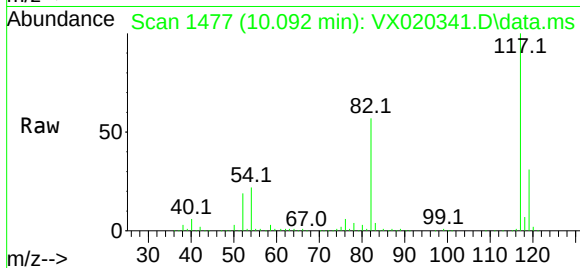




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

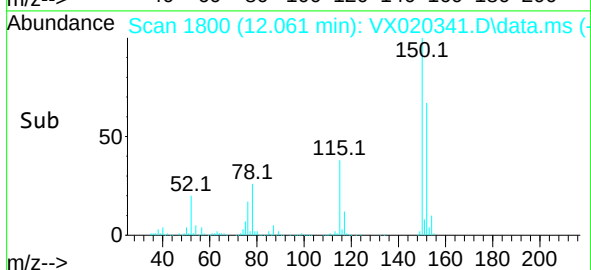
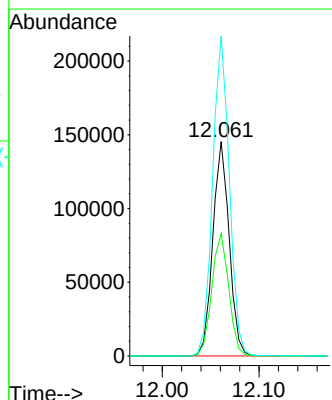
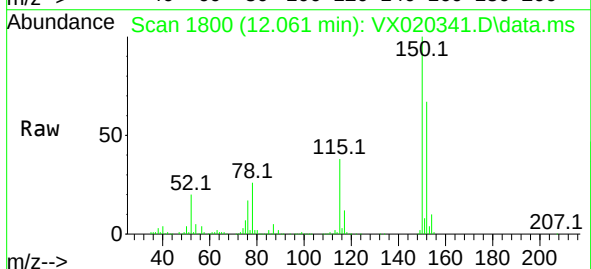
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

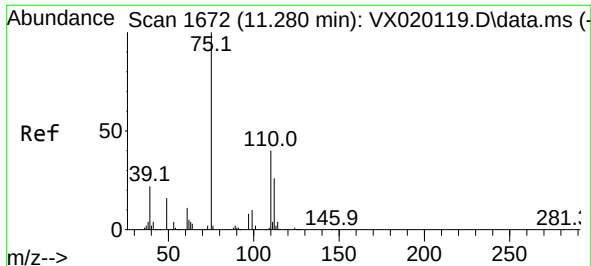
Tgt Ion:117 Resp: 407827
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion:152 Resp: 170567
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 152.9 0.0 349.0

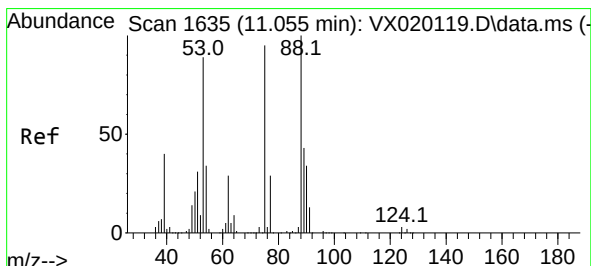
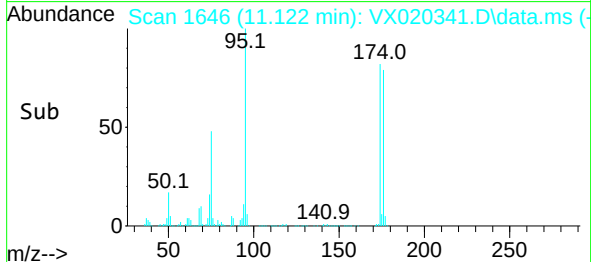
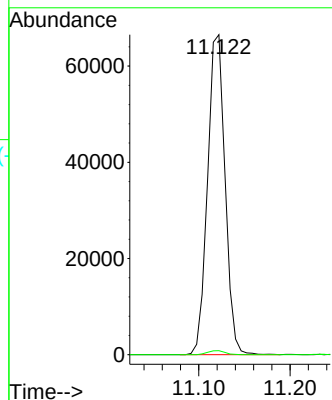
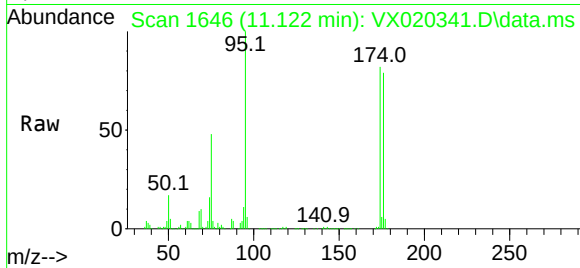




#76
1,2,3-Trichloropropane
Concen: 21.05 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20201214DL

Tgt Ion: 75 Resp: 88433
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.44 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020341.D
Acq: 23 Dec 2020 16:17

Tgt Ion: 75 Resp: 88433
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

