

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020180.D
 Acq On : 19 Dec 2020 18:43
 Operator : JC/MD
 Sample : L5096-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-IW5675-121220

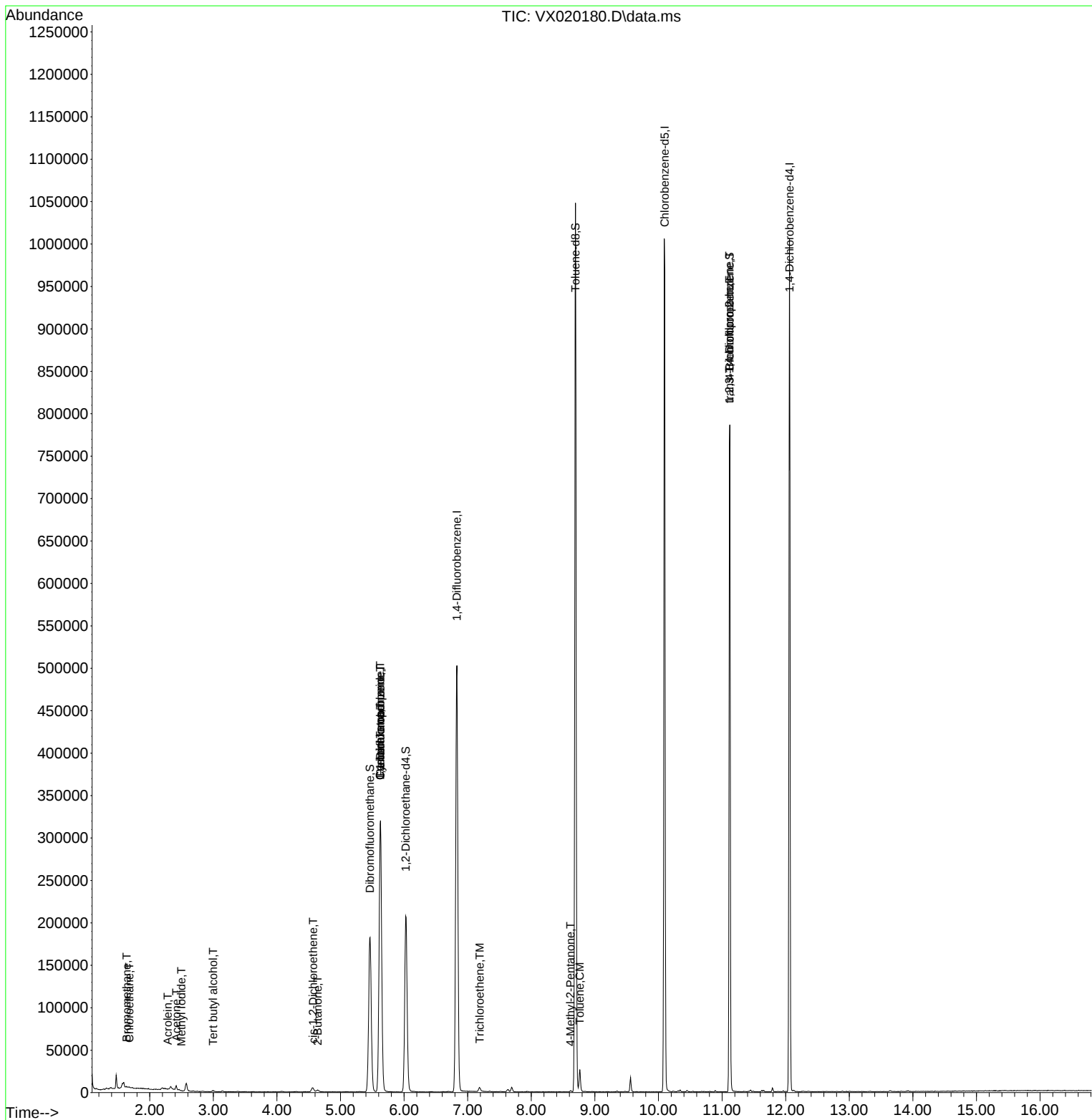
Quant Time: Dec 21 02:35:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

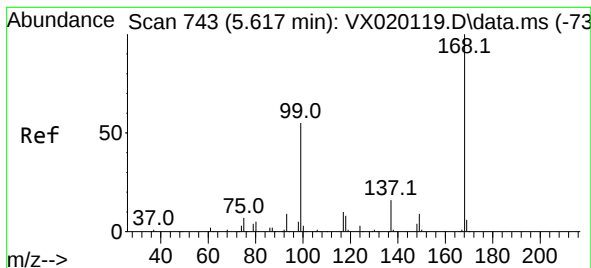
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	307348	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	514142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	466171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	204701	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	199299	48.38	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.76%		
35) Dibromofluoromethane	5.464	113	161641	49.15	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.30%		
50) Toluene-d8	8.696	98	620647	49.02	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.04%		
62) 4-Bromofluorobenzene	11.122	95	217453	44.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.76%		
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	629	0.47	ug/l	82
6) Chloroethane	1.679	64	596	0.23	ug/l #	48
10) Methyl Iodide	2.495	142	346	3.36	ug/l #	80
11) Tert butyl alcohol	2.995	59	996	1.08	ug/l #	73
13) Acrolein	2.282	56	177	0.31	ug/l #	59
16) Acetone	2.416	43	5192	2.76	ug/l	94
25) 2-Butanone	4.641	43	3151	1.15	ug/l	92
27) cis-1,2-Dichloroethene	4.568	96	3345	0.78	ug/l	94
31) Cyclohexane	5.623	56	5929	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	23716	4.67	ug/l #	48
38) Carbon Tetrachloride	5.623	117	29970	6.20	ug/l #	17
44) Trichloroethene	7.190	130	1923	0.47	ug/l	83
51) 4-Methyl-2-Pentanone	8.616	43	1063	0.21	ug/l #	81
52) Toluene	8.763	92	9160	0.95	ug/l	100
76) 1,2,3-Trichloropropane	11.116	75	105512	20.93	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	105512	62.08	ug/l #	12

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

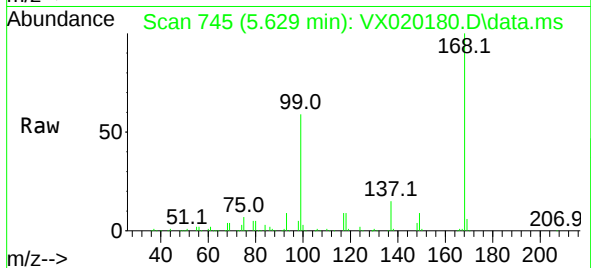
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



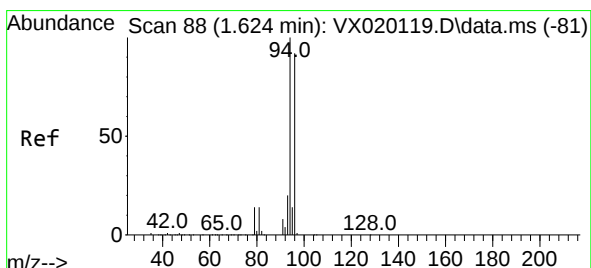
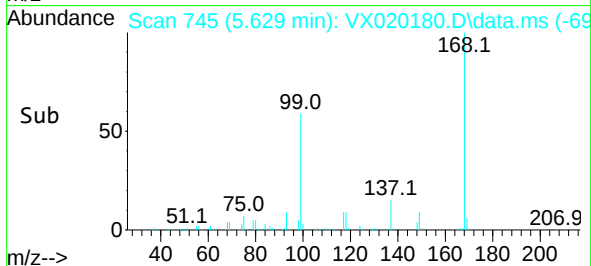
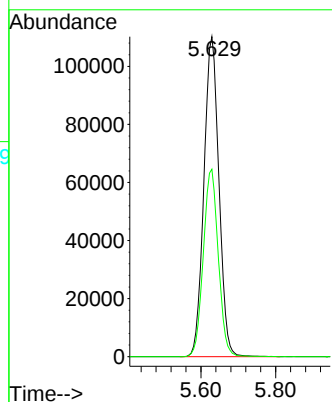


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

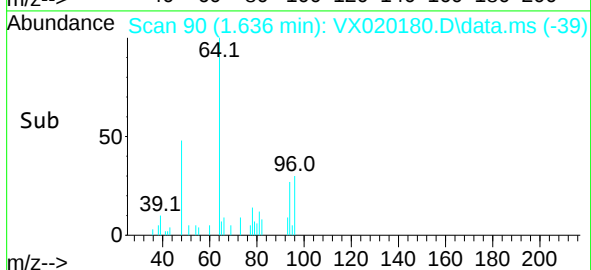
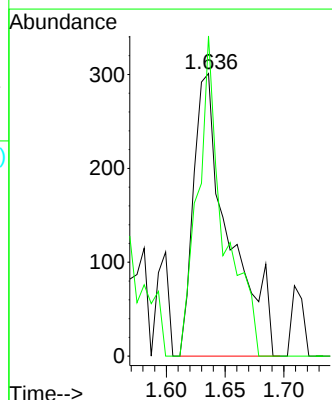
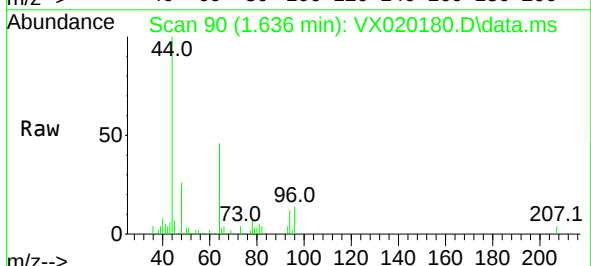


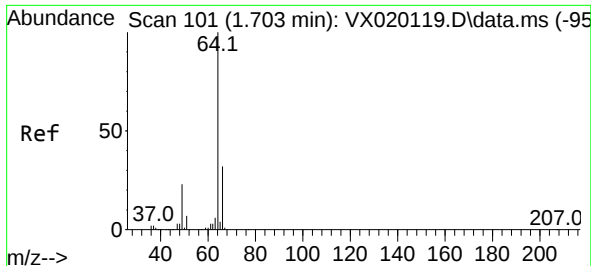
Tgt Ion:168 Resp: 307348
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#5
Bromomethane
Concen: 0.47 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

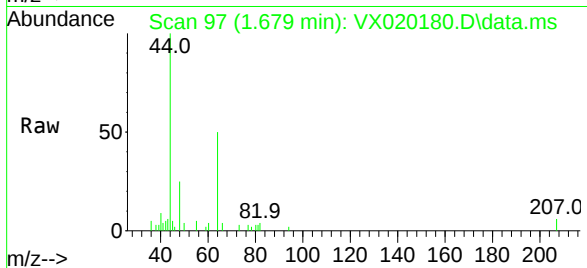
Tgt Ion: 94 Resp: 629
Ion Ratio Lower Upper
94 100
96 113.3 76.4 114.6



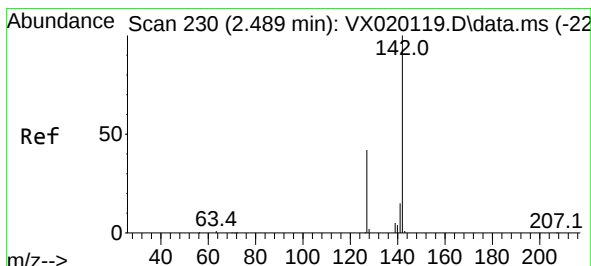
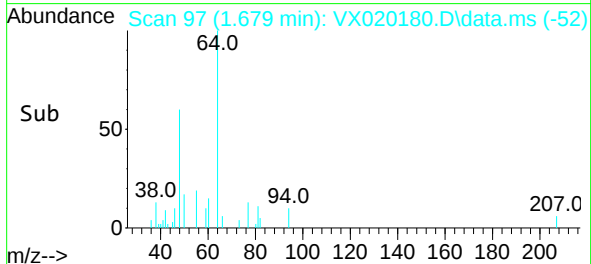
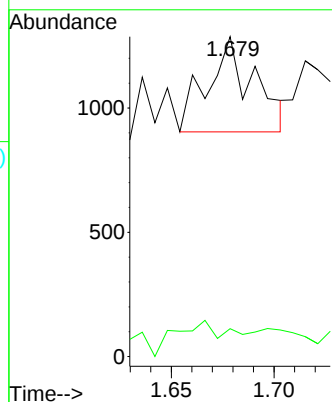


#6
Chloroethane
Concen: 0.23 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.024 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

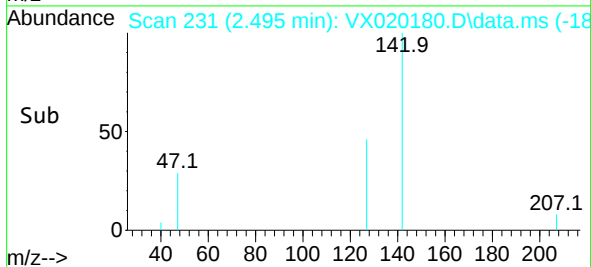
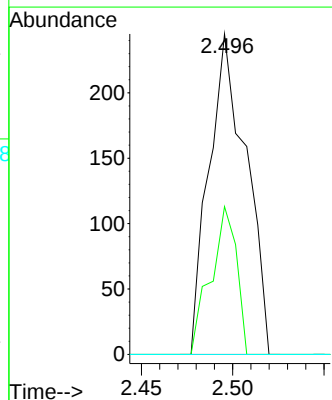
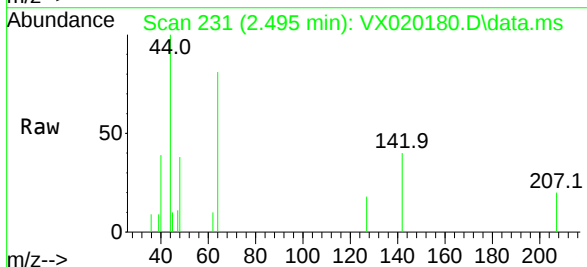


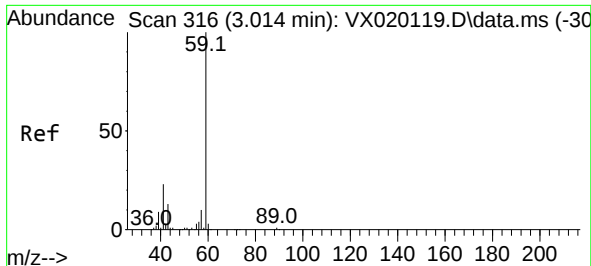
Tgt Ion: 64 Resp: 596
Ion Ratio Lower Upper
64 100
66 2.6 25.4 38.0#



#10
Methyl Iodide
Concen: 3.36 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion: 142 Resp: 346
Ion Ratio Lower Upper
142 100
127 32.4 33.3 49.9#
141 0.0 11.4 17.0#

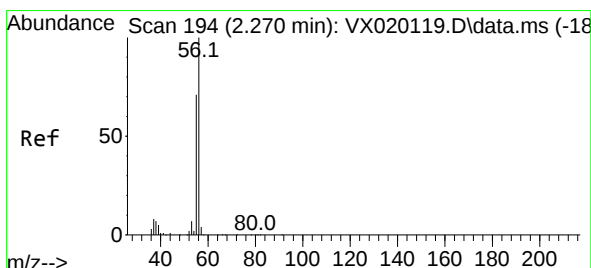
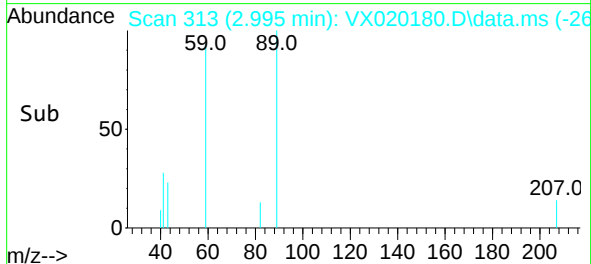
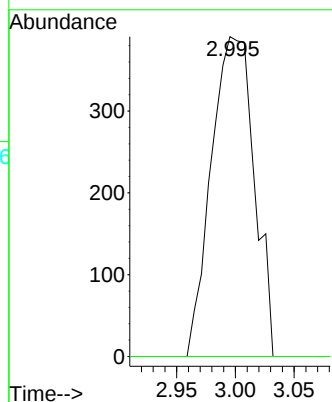
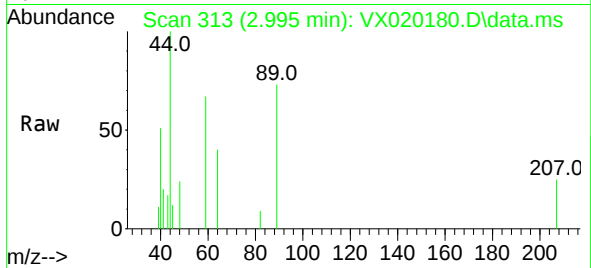




#11
Tert butyl alcohol
Concen: 1.08 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

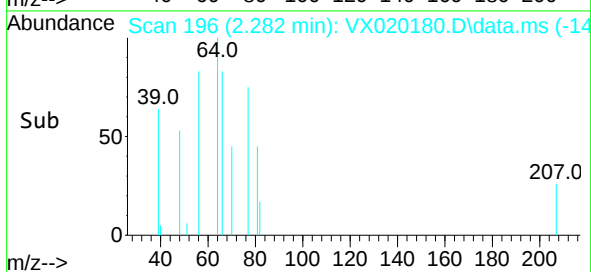
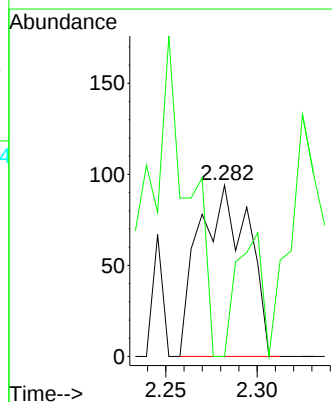
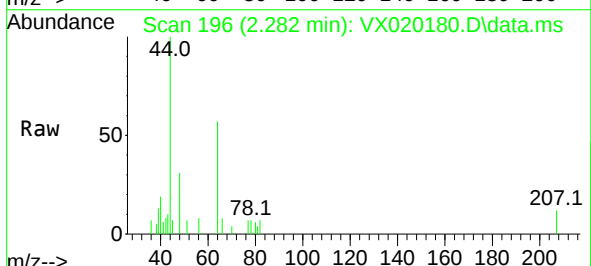
Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

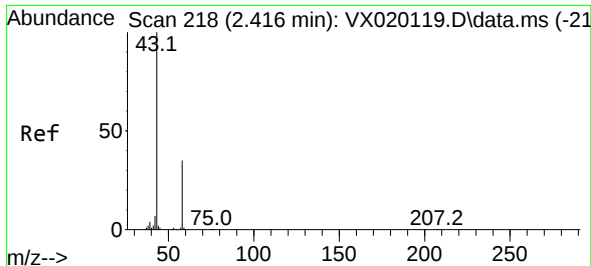
Tgt Ion: 59 Resp: 996
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.31 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.012 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 36.7 56.4 84.6#

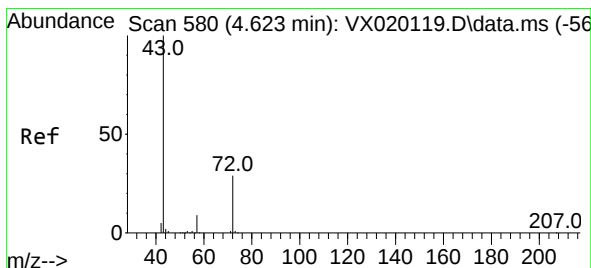
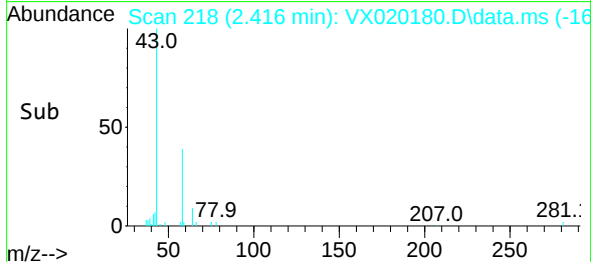
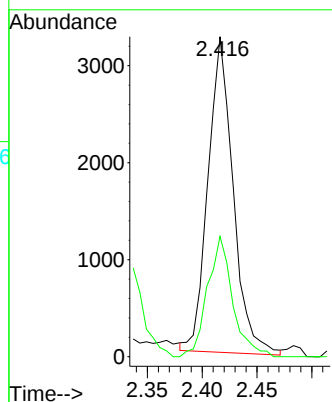
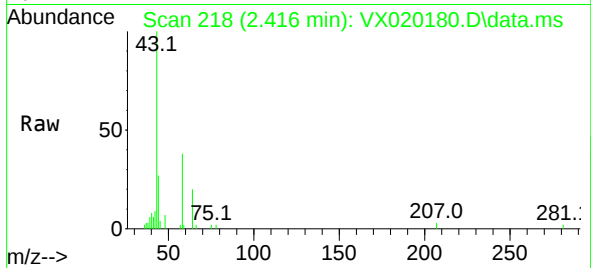




#16
Acetone
Concen: 2.76 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

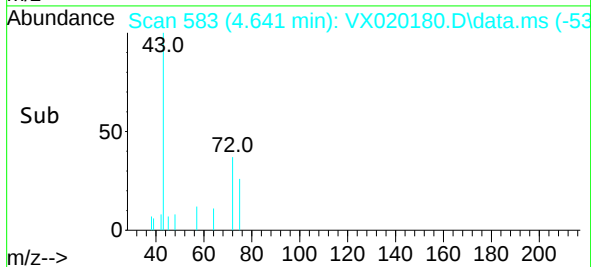
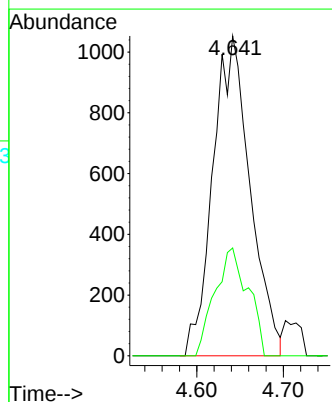
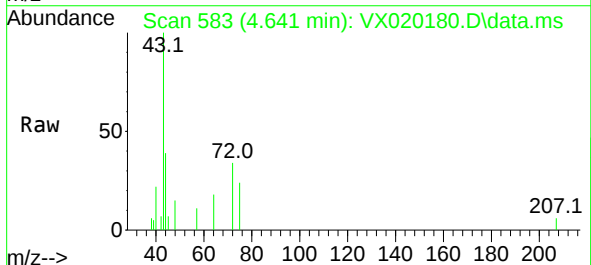
Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

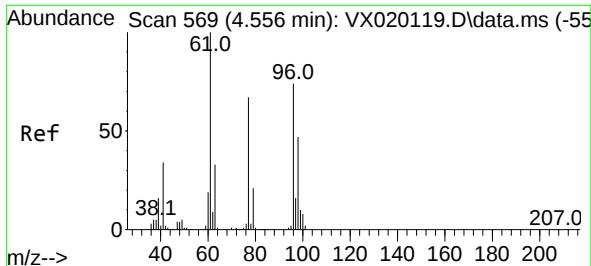
Tgt Ion: 43 Resp: 5192
Ion Ratio Lower Upper
43 100
58 38.4 27.8 41.8



#25
2-Butanone
Concen: 1.15 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
72 33.7 23.7 35.5





#27

cis-1,2-Dichloroethene

Concen: 0.78 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX020180.D

Acq: 19 Dec 2020 18:43

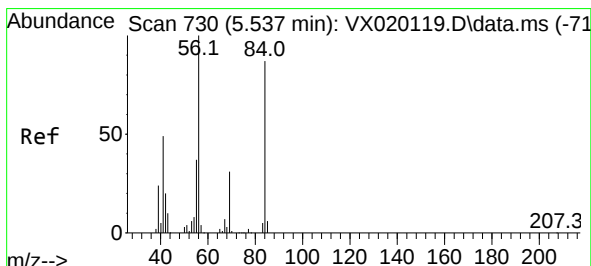
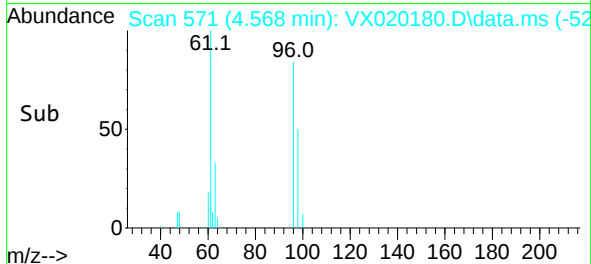
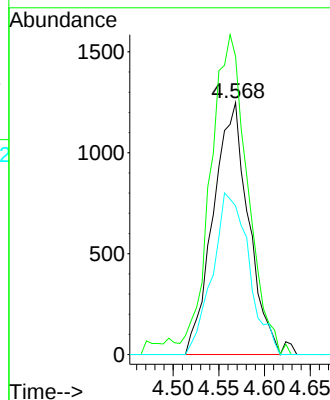
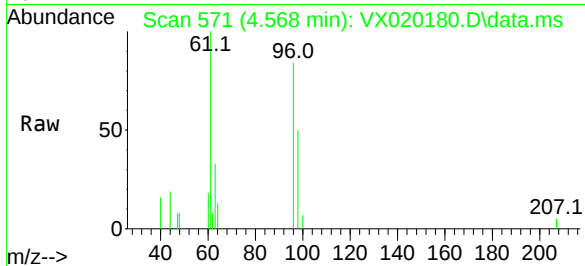
Instrument :

MSVOA_X

ClientSampleId :

49-IW5675-121220

Tgt Ion: 96	Resp: 3345		
Ion Ratio	Lower	Upper	
96	100		
61	133.4	0.0	285.6
98	66.5	0.0	129.6



#31

Cyclohexane

Concen: 1.04 ug/l

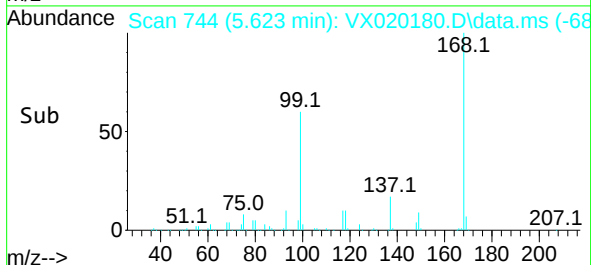
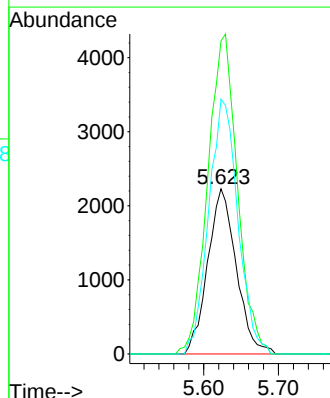
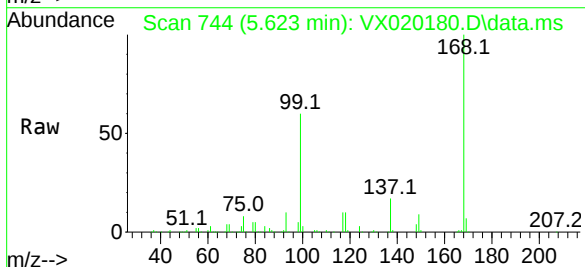
RT: 5.623 min Scan# 744

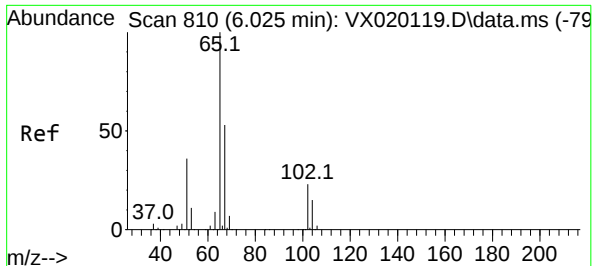
Delta R.T. 0.086 min

Lab File: VX020180.D

Acq: 19 Dec 2020 18:43

Tgt Ion: 56	Resp: 5929
Ion Ratio	Lower Upper
56 100	
69 189.6	25.3 37.9#
84 154.4	71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.38 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020180.D

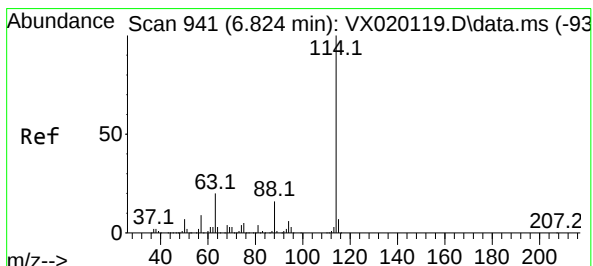
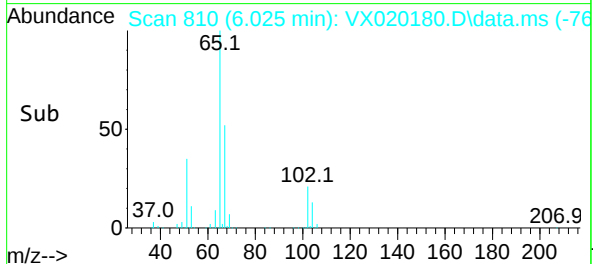
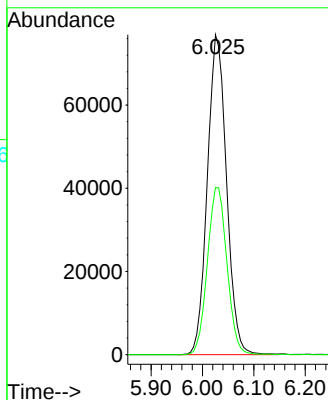
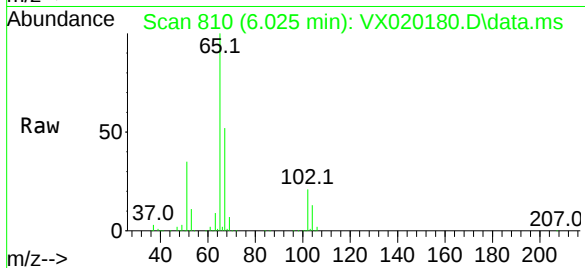
Acq: 19 Dec 2020 18:43

Tgt Ion: 65 Resp: 199299

Ion Ratio Lower Upper

65 100

67 53.4 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: VX020180.D

Acq: 19 Dec 2020 18:43

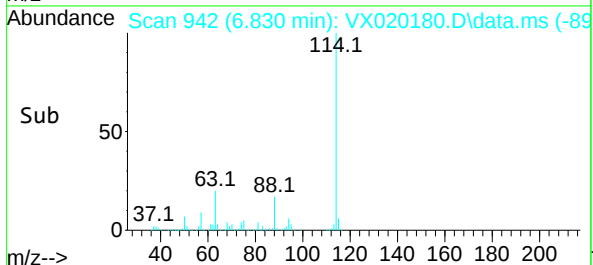
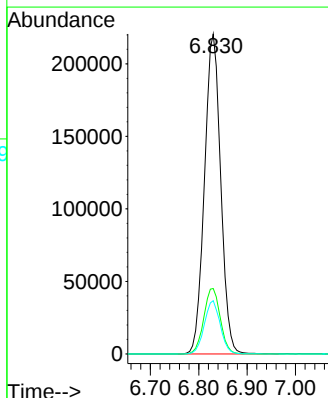
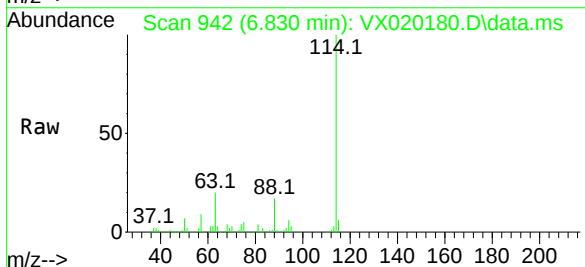
Tgt Ion: 114 Resp: 514142

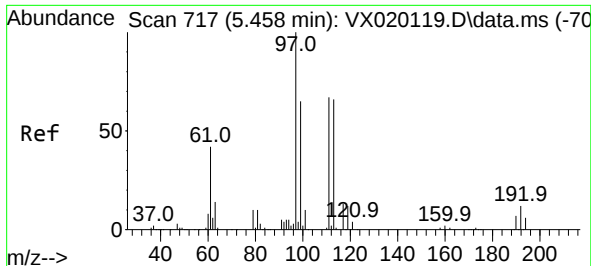
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

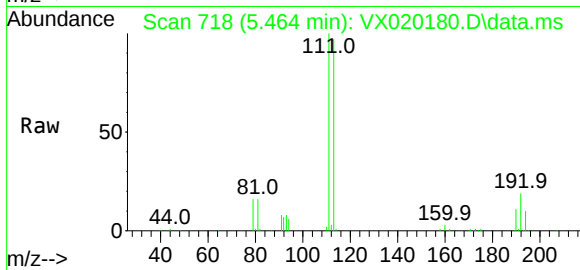
88 16.7 0.0 32.8



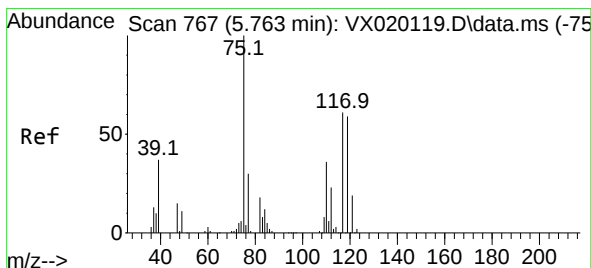
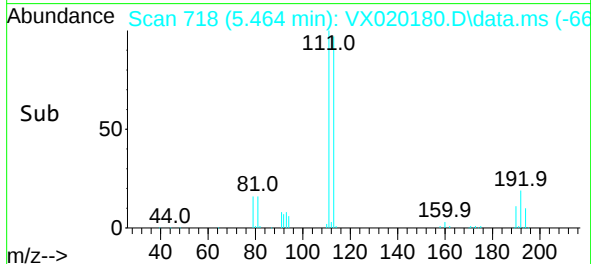
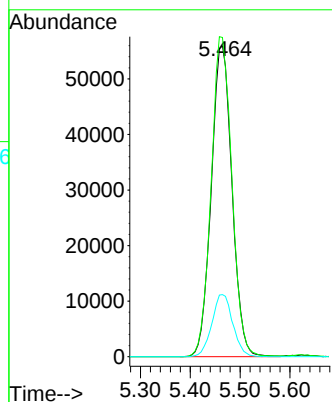


#35
Dibromofluoromethane
Concen: 49.15 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Instrument :
MSVOA_X
ClientSampleId :
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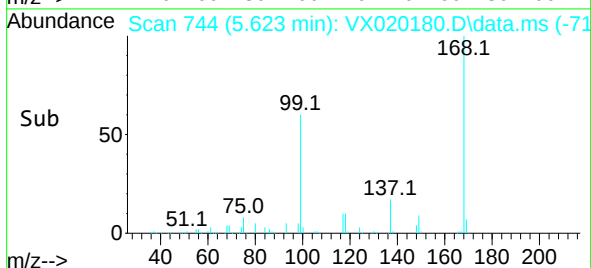
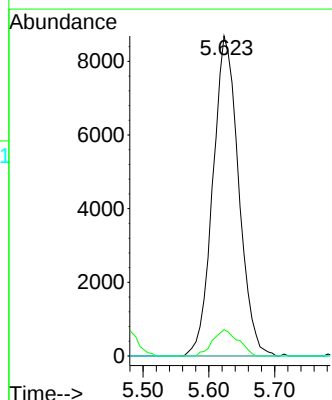
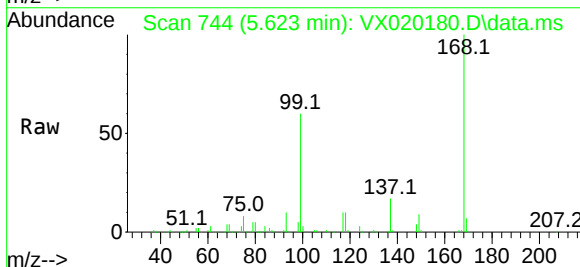


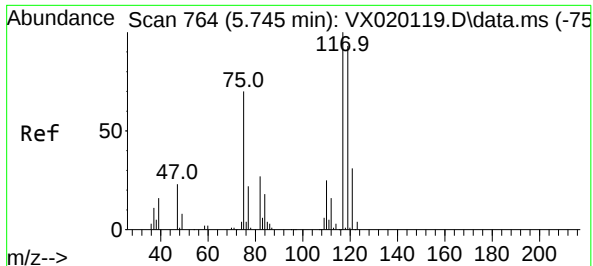
Tgt Ion: 113 Resp: 161641
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

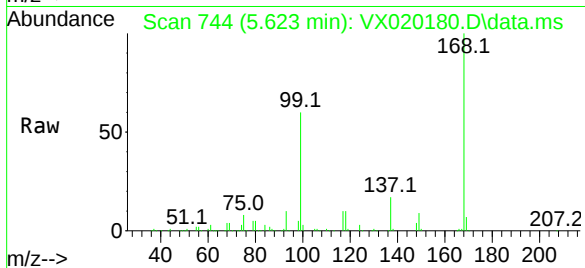
Tgt Ion: 75 Resp: 23716
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#



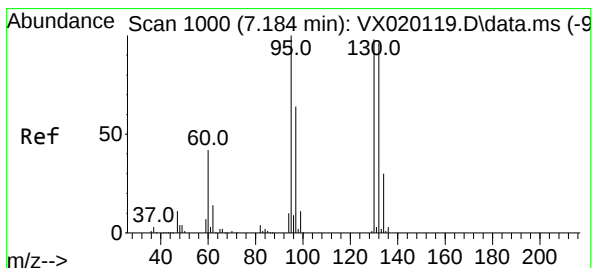
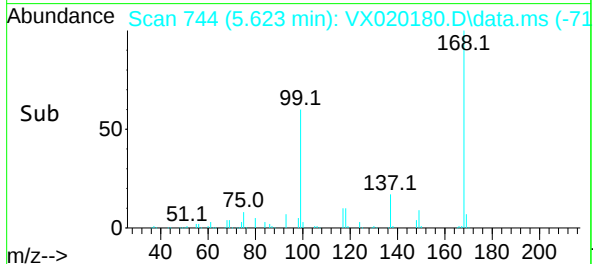
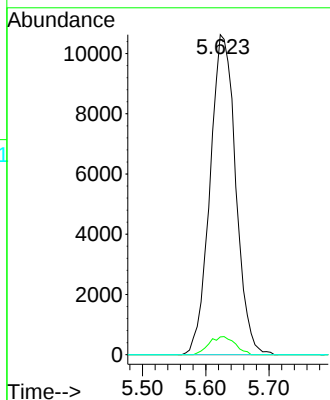


#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

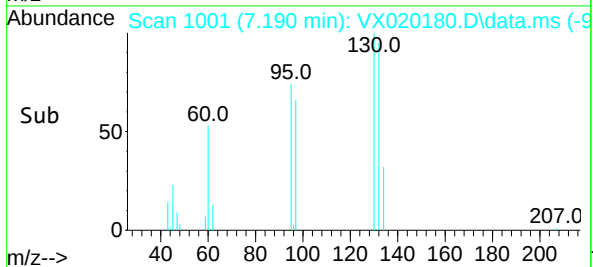
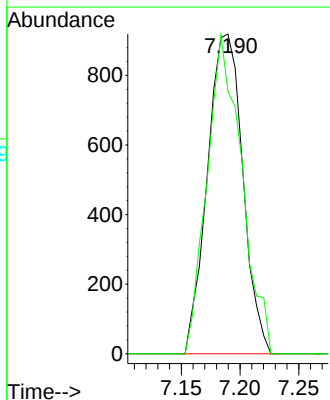
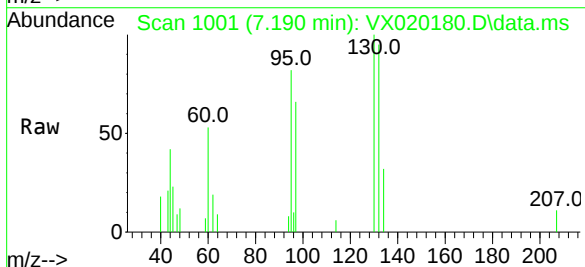


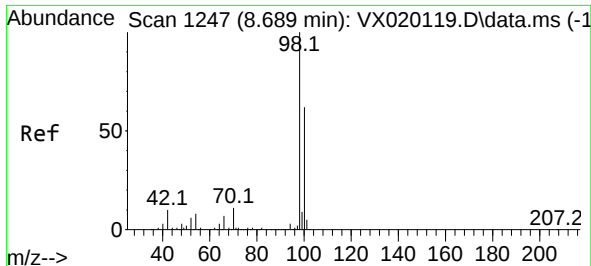
Tgt Ion:117 Resp: 29970
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.47 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion:130 Resp: 1923
Ion Ratio Lower Upper
130 100
95 82.0 0.0 198.0

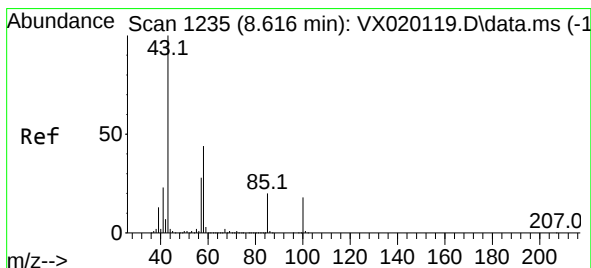
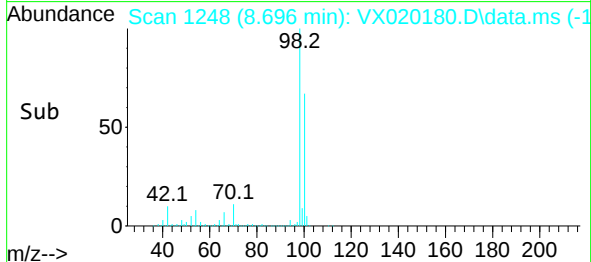
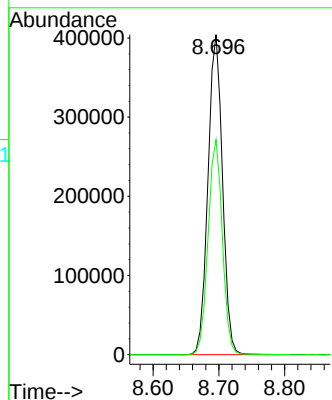
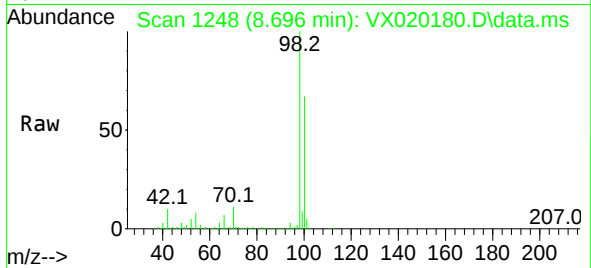




#50
Toluene-d8
Concen: 49.02 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

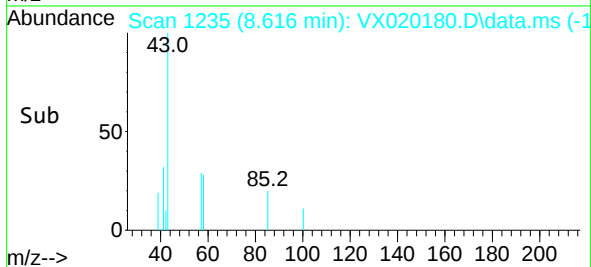
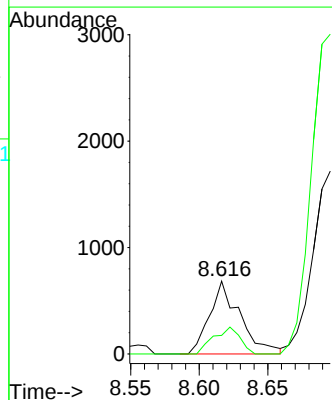
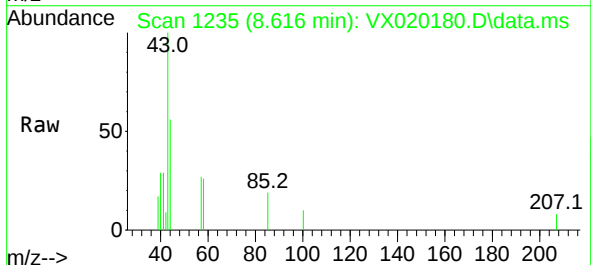
Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

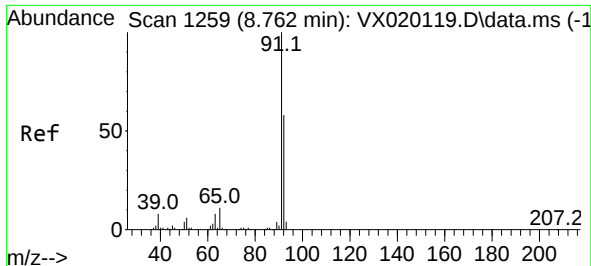
Tgt Ion: 98 Resp: 620647
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
58 31.9 35.4 53.0#

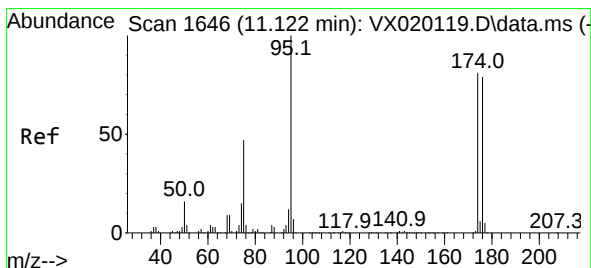
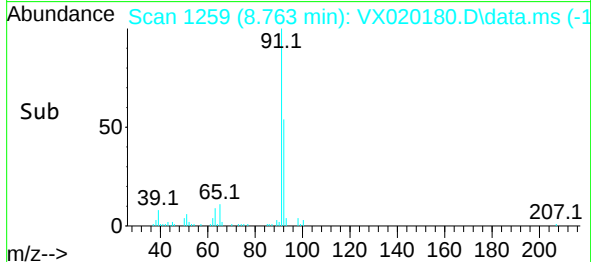
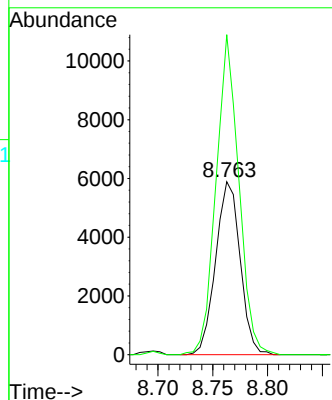
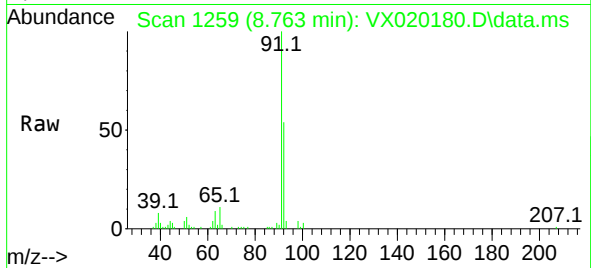




#52
Toluene
Concen: 0.95 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

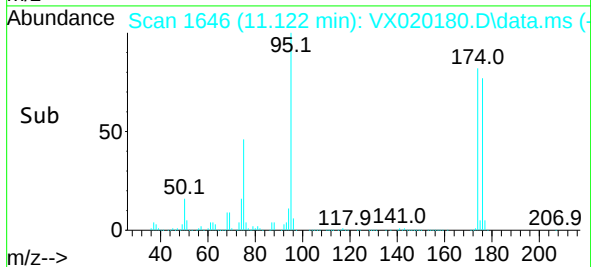
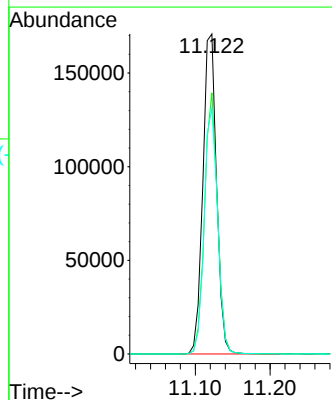
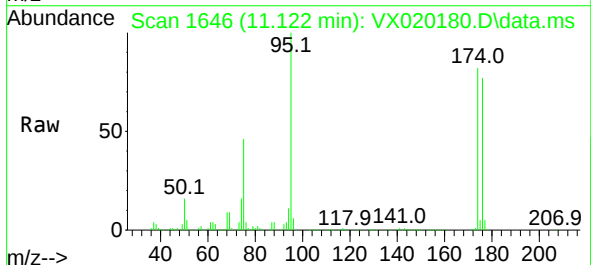
Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

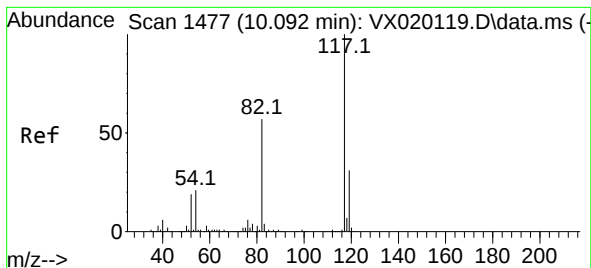
Tgt Ion: 92 Resp: 9160
Ion Ratio Lower Upper
92 100
91 171.9 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 44.88 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion: 95 Resp: 217453
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 75.1 0.0 155.8

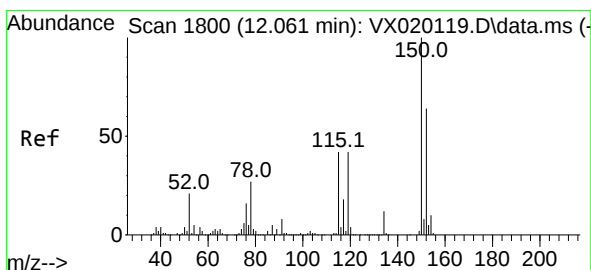
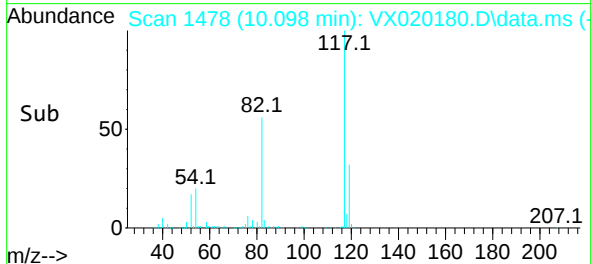
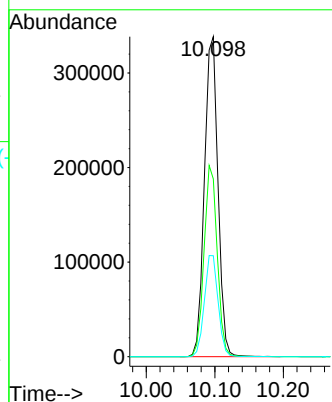
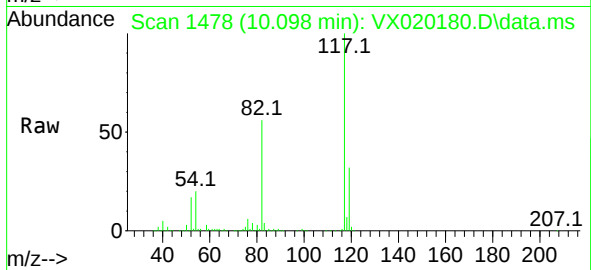




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

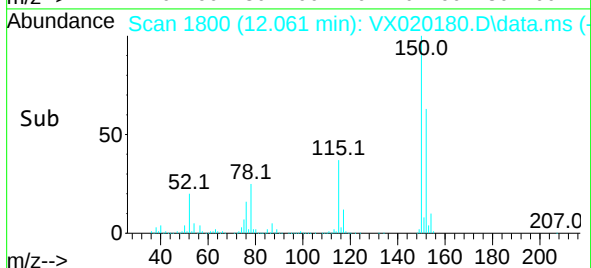
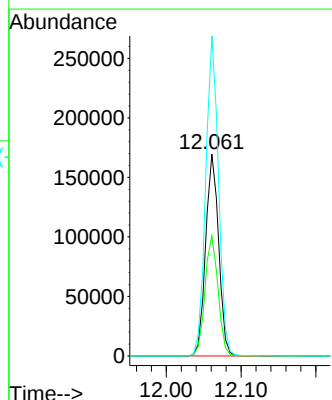
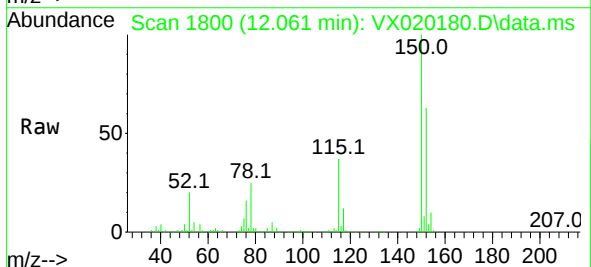
Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

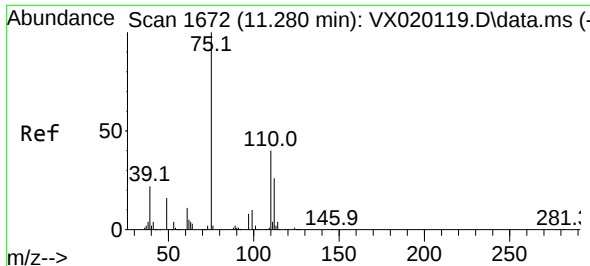
Tgt Ion:117 Resp: 466171
Ion Ratio Lower Upper
117 100
82 55.6 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion:152 Resp: 204701
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 155.6 0.0 349.0

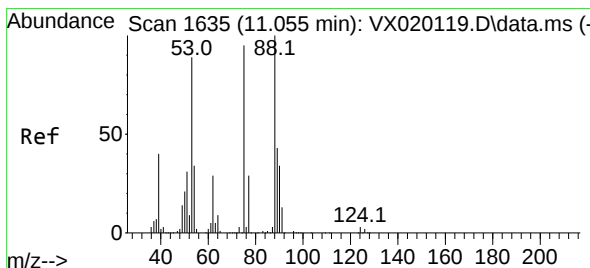
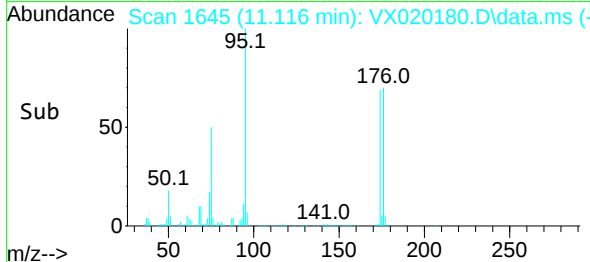
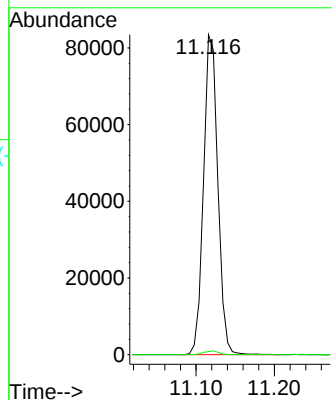
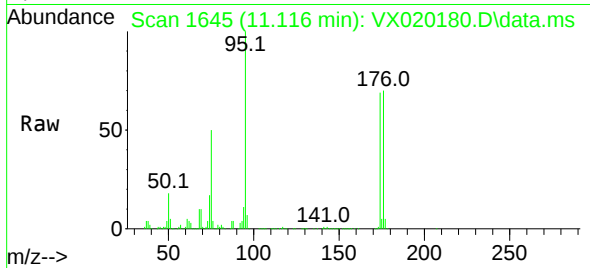




#76
1,2,3-Trichloropropane
Concen: 20.93 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Instrument :
MSVOA_X
ClientSampleId :
49-IW5675-121220

Tgt Ion: 75 Resp: 105512
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.08 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020180.D
Acq: 19 Dec 2020 18:43

Tgt Ion: 75 Resp: 105512
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

