

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020188.D
 Acq On : 19 Dec 2020 21:49
 Operator : JC/MD
 Sample : L5094-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5970(D)-121320

Quant Time: Dec 21 02:37:58 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)

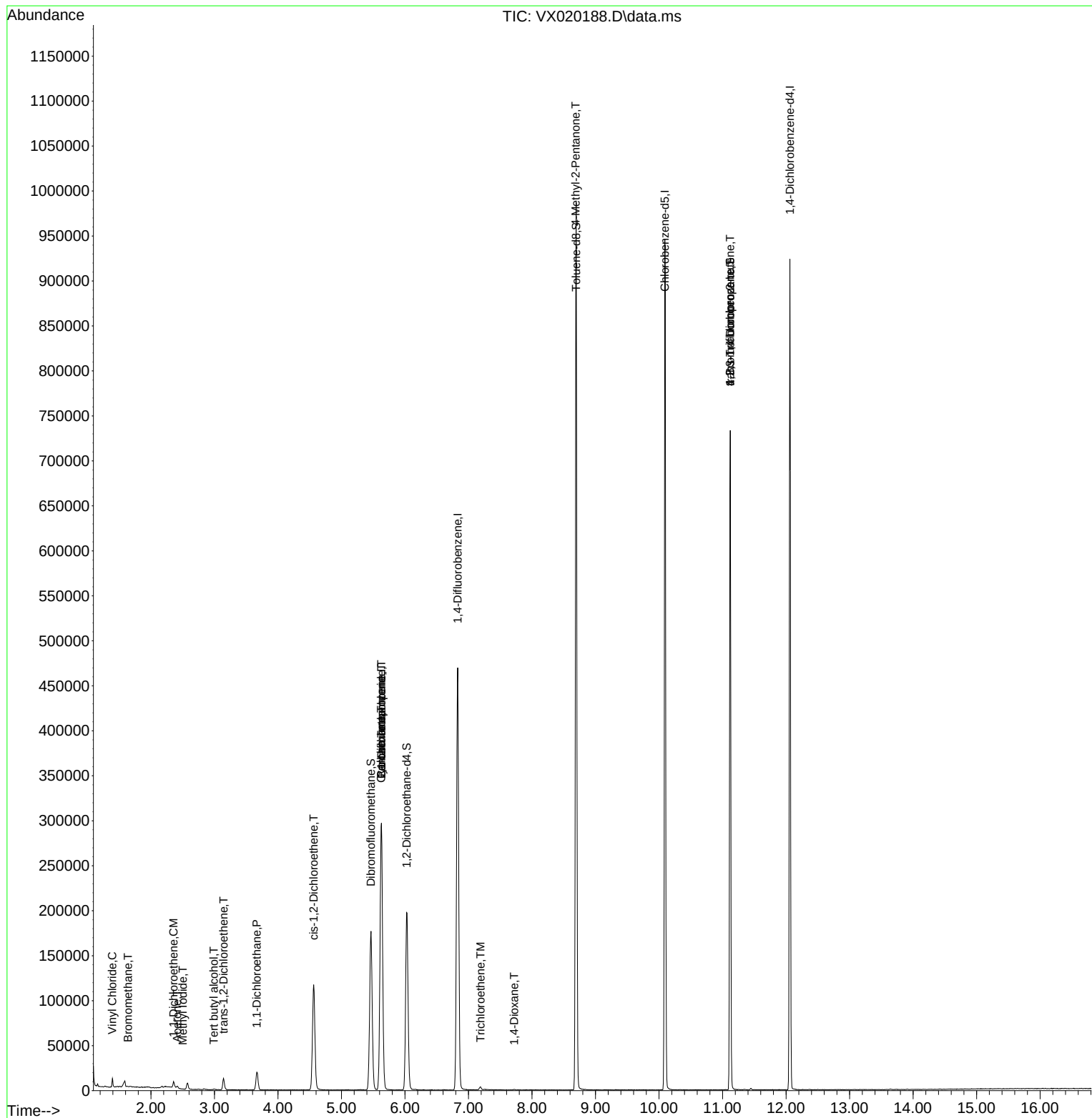
Internal Standards						
1) Pentafluorobenzene	5.629	168	285976	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	477103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	445481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	188540	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	189540	49.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.90%		
35) Dibromofluoromethane	5.464	113	153209	50.20	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.40%		
50) Toluene-d8	8.696	98	582431	49.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.16%		
62) 4-Bromofluorobenzene	11.122	95	199906	44.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.92%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	5173	1.32	ug/l	99
5) Bromomethane	1.636	94	390	0.31	ug/l #	77
10) Methyl Iodide	2.502	142	115	3.31	ug/l #	42
11) Tert butyl alcohol	2.989	59	503	0.59	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	1971	0.67	ug/l	90
16) Acetone	2.410	43	1528	0.87	ug/l #	78
21) trans-1,2-Dichloroethene	3.142	96	4964	1.40	ug/l	97
24) 1,1-Dichloroethane	3.666	63	23058	3.70	ug/l	99
27) cis-1,2-Dichloroethene	4.562	96	77141	19.28	ug/l	89
31) Cyclohexane	5.623	56	5780	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	21787	4.62	ug/l #	48
38) Carbon Tetrachloride	5.629	117	27607	6.16	ug/l #	16
44) Trichloroethene	7.190	130	1231	0.32	ug/l	87
49) 1,4-Dioxane	7.720	88	367	4.14	ug/l #	69
51) 4-Methyl-2-Pentanone	8.689	43	2448	0.51	ug/l #	1
76) 1,2,3-Trichloropropane	11.122	75	98725	21.26	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	98725	63.07	ug/l #	12

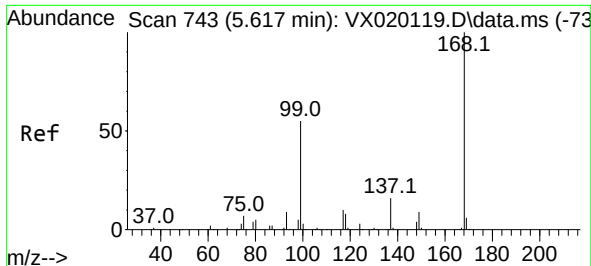
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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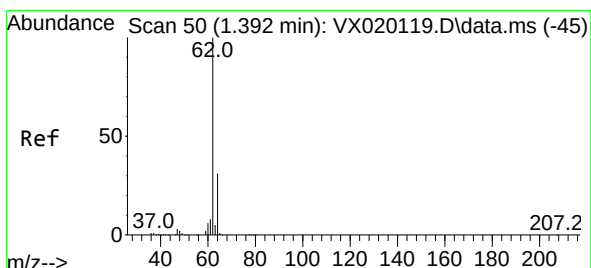
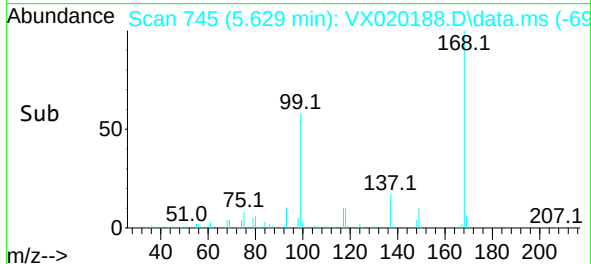
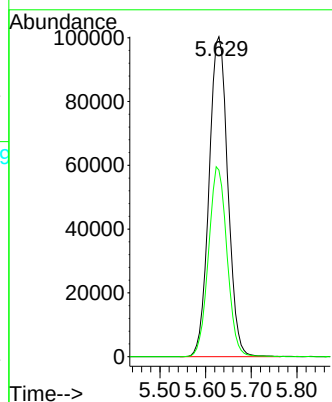
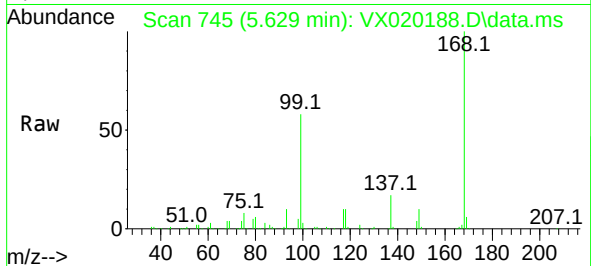




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

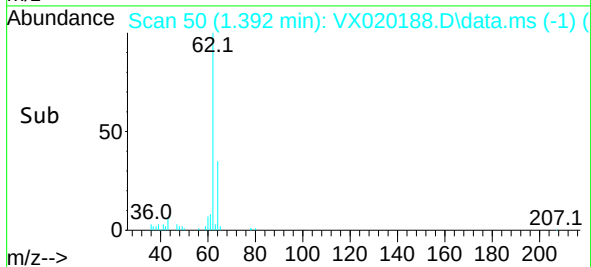
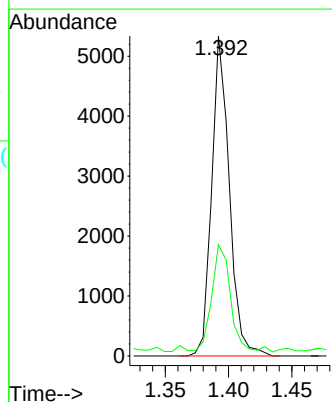
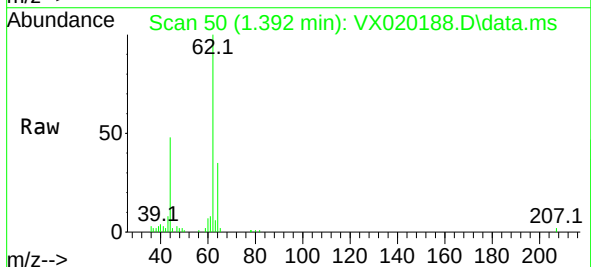
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

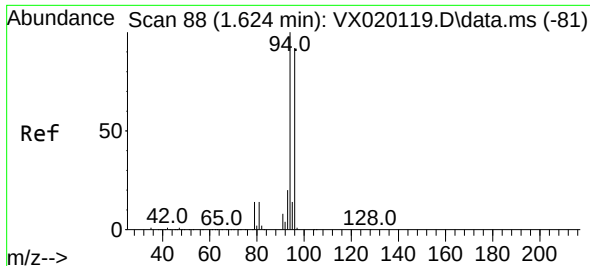
Tgt Ion:168 Resp: 285976
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#4
Vinyl Chloride
Concen: 1.32 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion: 62 Resp: 5173
Ion Ratio Lower Upper
62 100
64 32.7 25.7 38.5

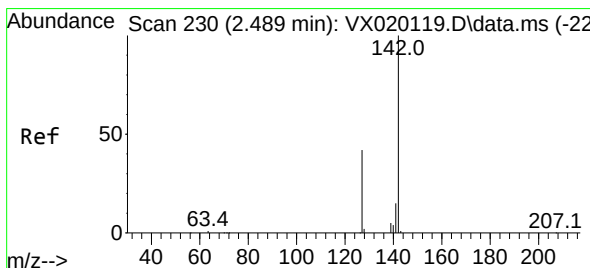
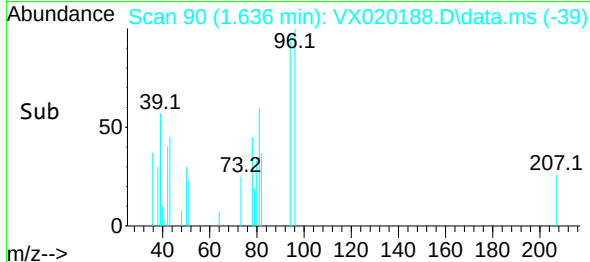
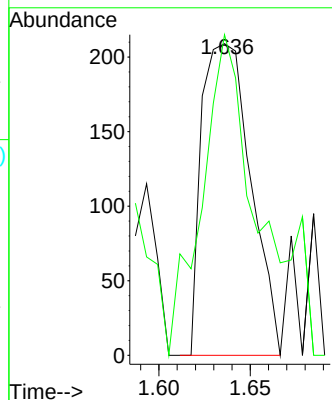
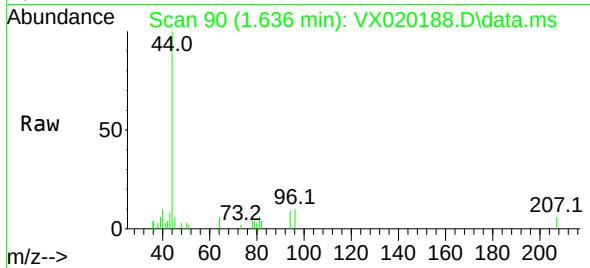




#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

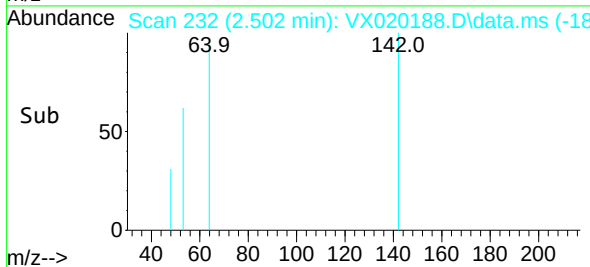
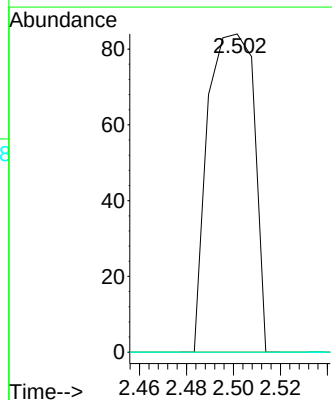
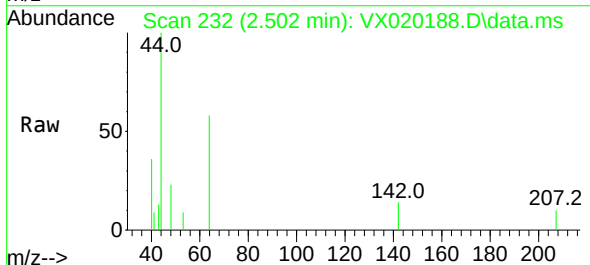
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

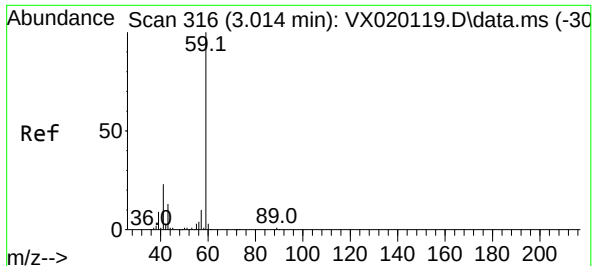
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 73.2 76.4 114.6#



#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion: 142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



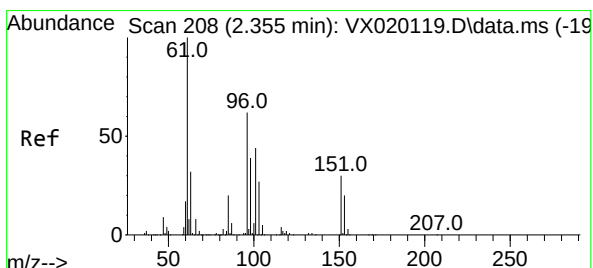
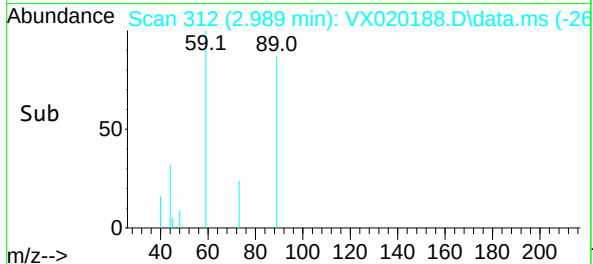
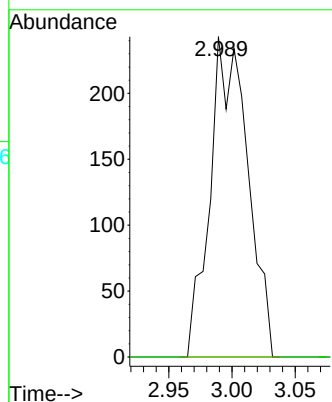
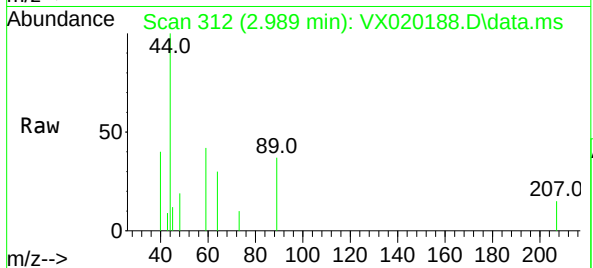


#11

Tert butyl alcohol
Concen: 0.59 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

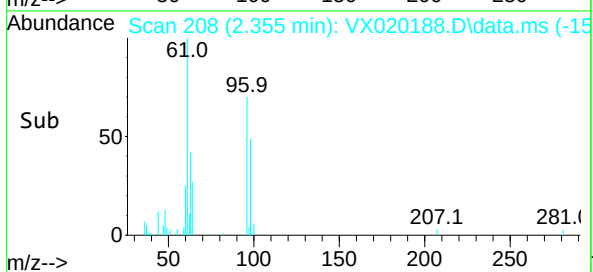
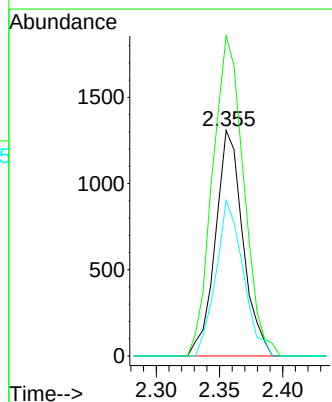
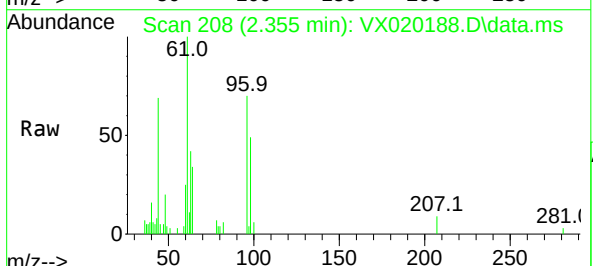
Tgt Ion: 59 Resp: 503
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

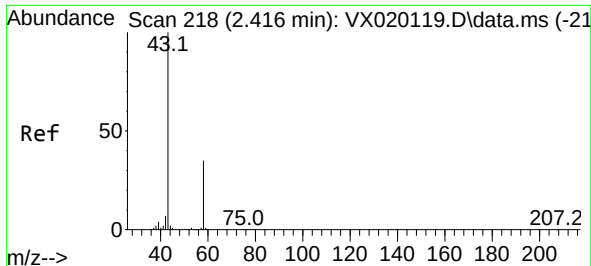


#12

1,1-Dichloroethene
Concen: 0.67 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion: 96 Resp: 1971
Ion Ratio Lower Upper
96 100
61 141.9 124.6 187.0
98 69.0 50.6 76.0

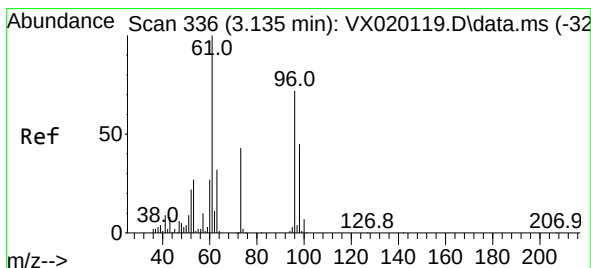
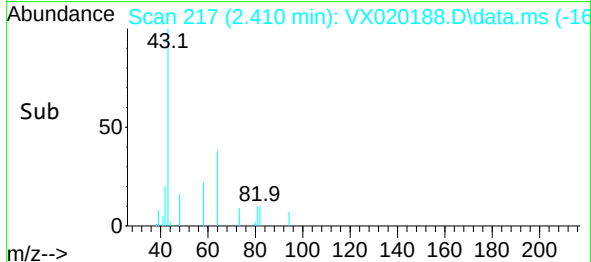
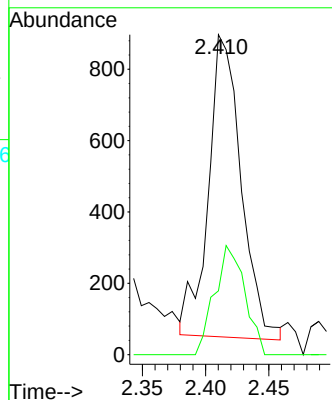
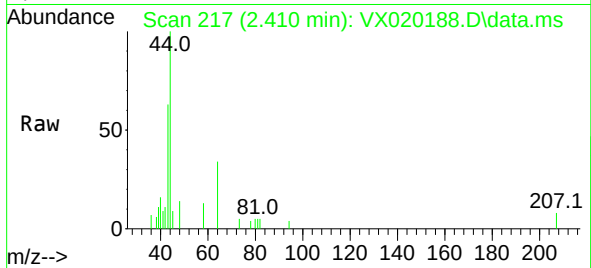




#16
Acetone
Concen: 0.87 ug/l
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

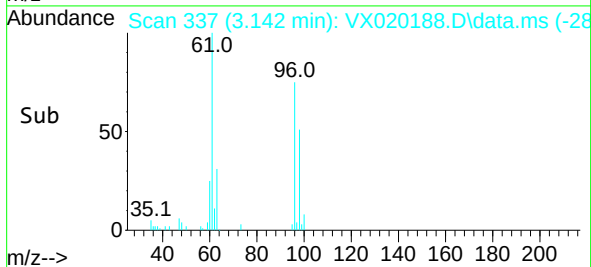
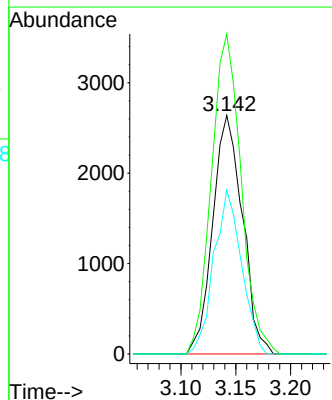
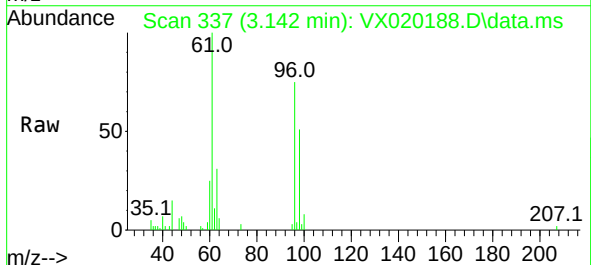
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

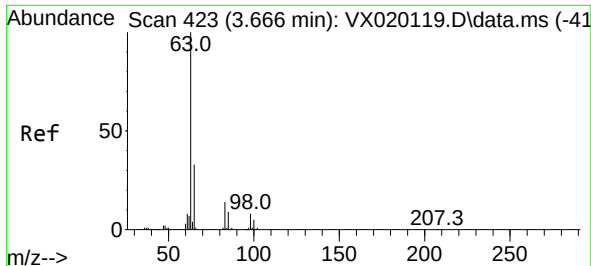
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
58 21.8 27.8 41.8#



#21
trans-1,2-Dichloroethene
Concen: 1.40 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion: 96 Resp: 4964
Ion Ratio Lower Upper
96 100
61 134.2 107.7 161.5
98 68.6 50.4 75.6

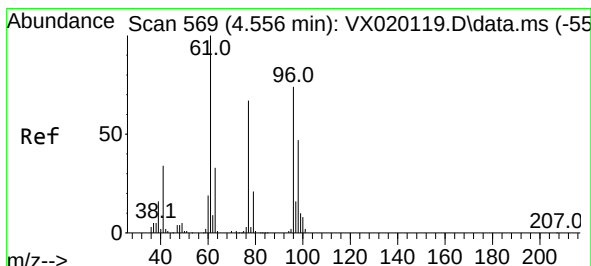
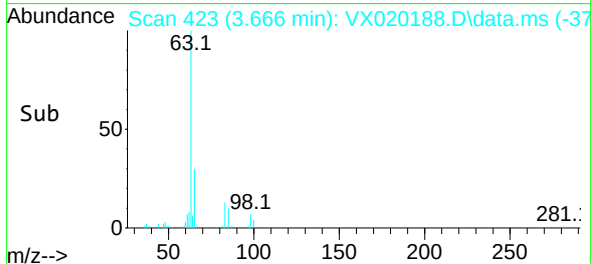
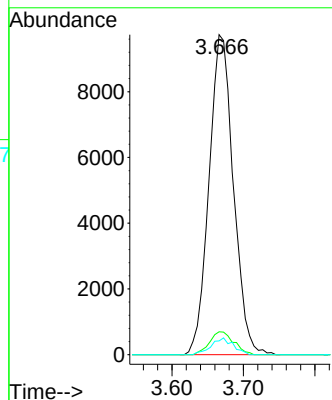
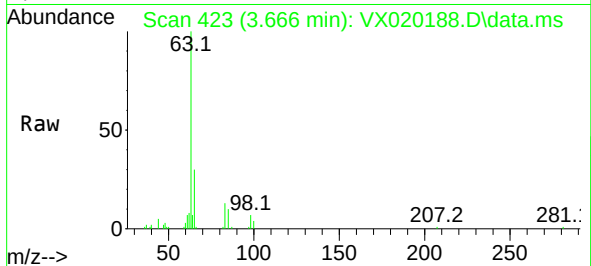




#24
1,1-Dichloroethane
Concen: 3.70 ug/l
RT: 3.666 min Scan# 423
Delta R.T. 0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

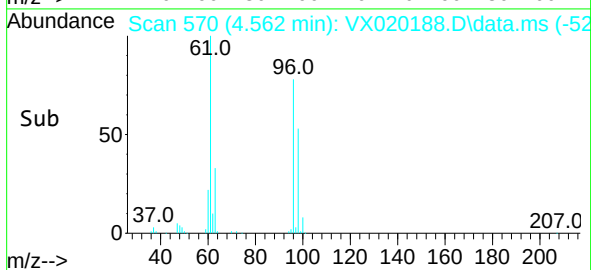
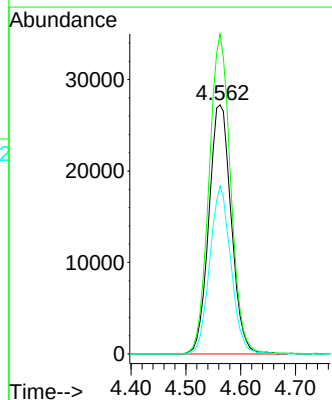
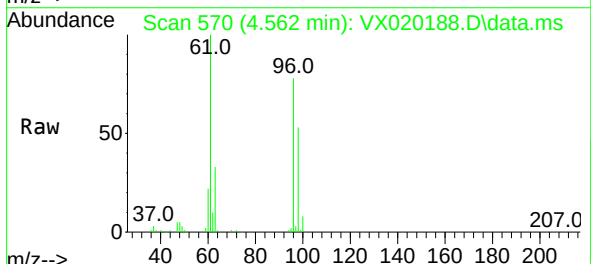
Instrument :
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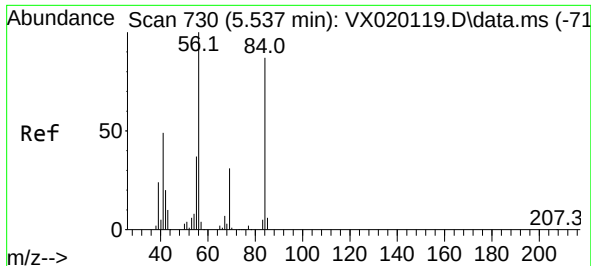
Tgt Ion: 63 Resp: 23058
Ion Ratio Lower Upper
63 100
98 7.1 3.8 11.2
100 4.3 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 19.28 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

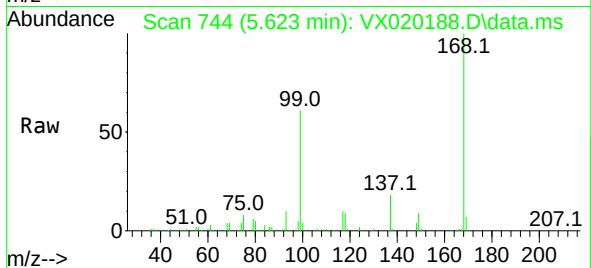
Tgt Ion: 96 Resp: 77141
Ion Ratio Lower Upper
96 100
61 124.2 0.0 285.6
98 63.7 0.0 129.6



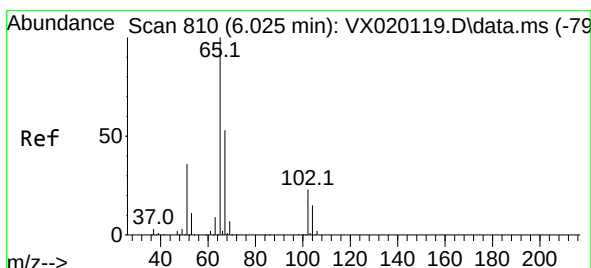
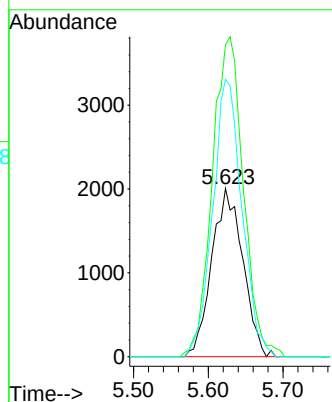
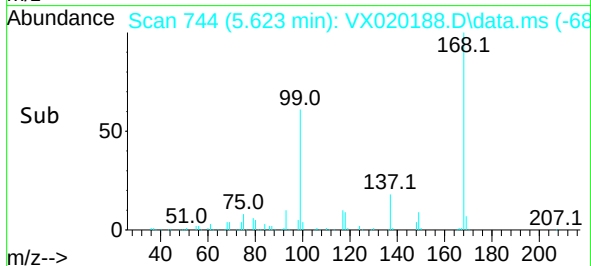


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

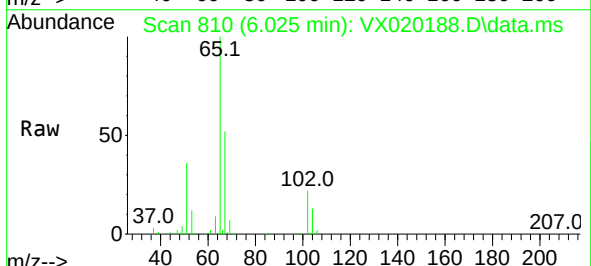
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320



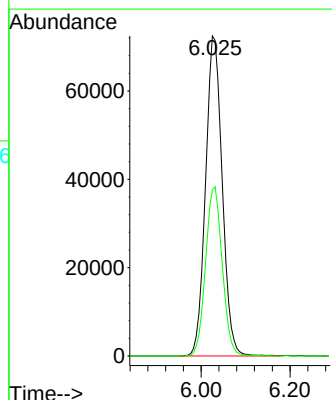
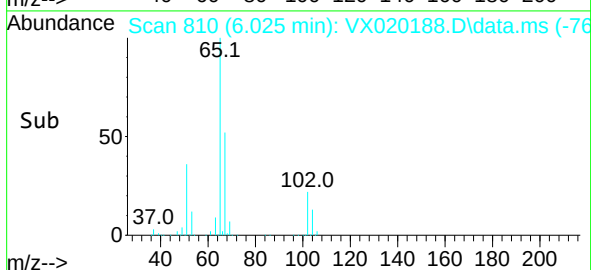
Tgt Ion: 56 Resp: 5780
Ion Ratio Lower Upper
56 100
69 185.5 25.3 37.9#
84 164.9 71.4 107.0#

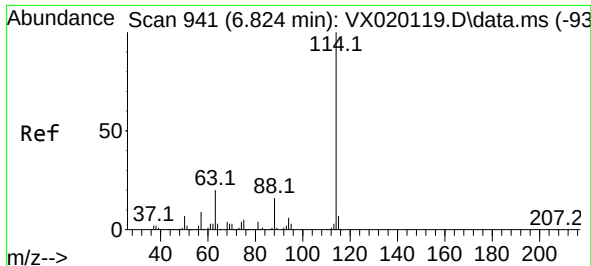


#33
1,2-Dichloroethane-d4
Concen: 49.45 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49



Tgt Ion: 65 Resp: 189540
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

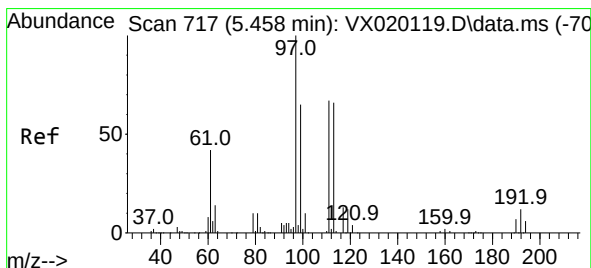
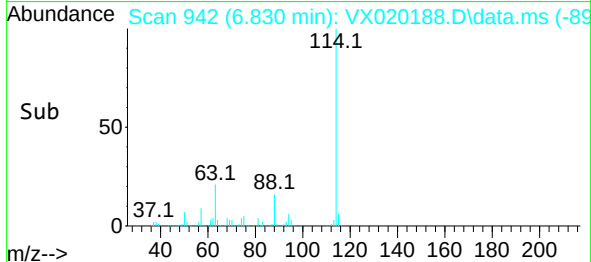
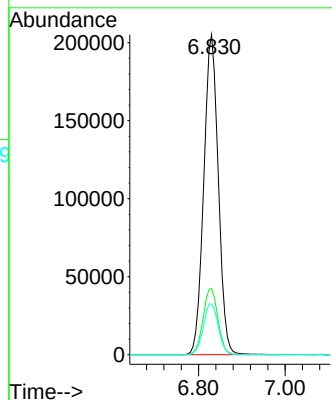
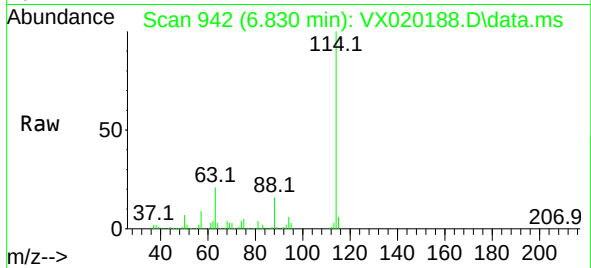




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

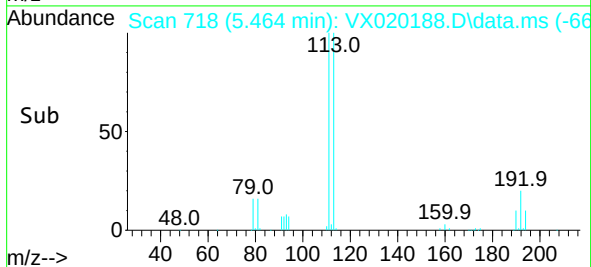
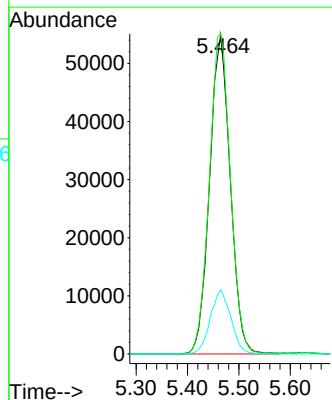
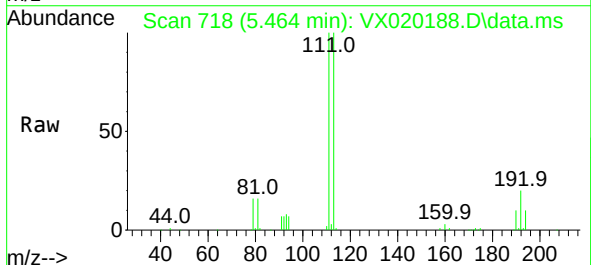
Instrument :
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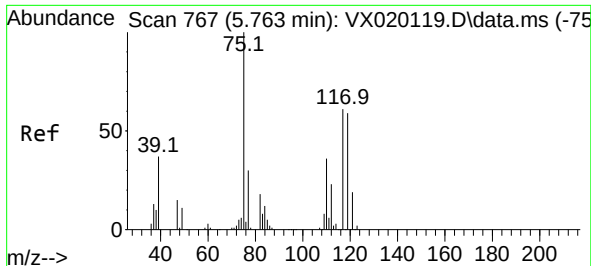
Tgt Ion:114 Resp: 477103
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.20 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion:113 Resp: 153209
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 20.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.62 ug/l

RT: 5.629 min Scan# 745

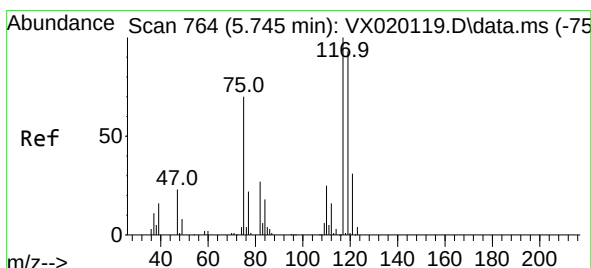
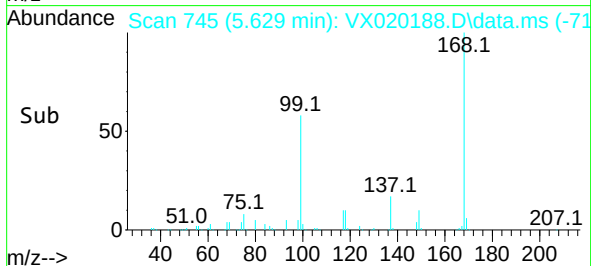
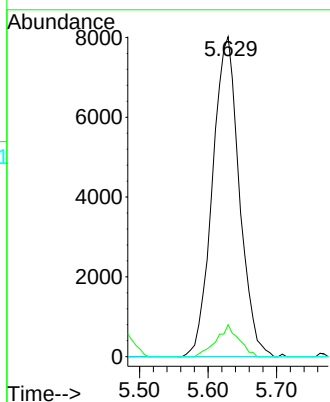
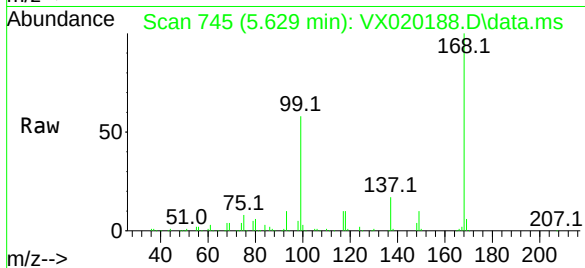
Delta R.T. -0.134 min

Lab File: VX020188.D

Acq: 19 Dec 2020 21:49

Tgt Ion:	75	Resp:	21787
Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320



#38

Carbon Tetrachloride

Concen: 6.16 ug/l

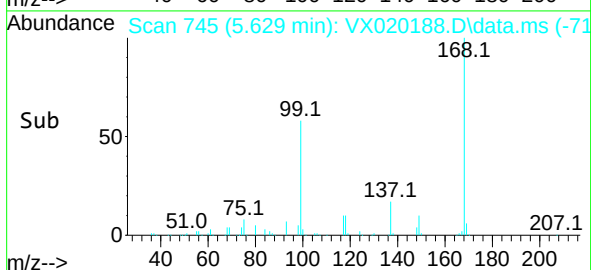
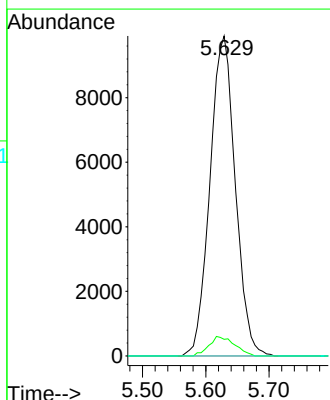
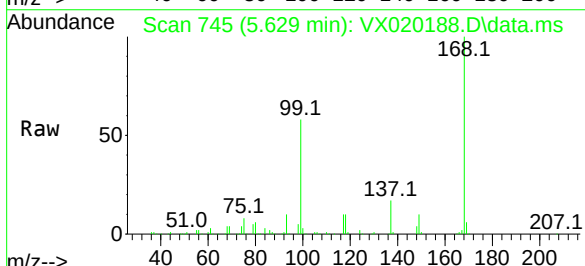
RT: 5.629 min Scan# 745

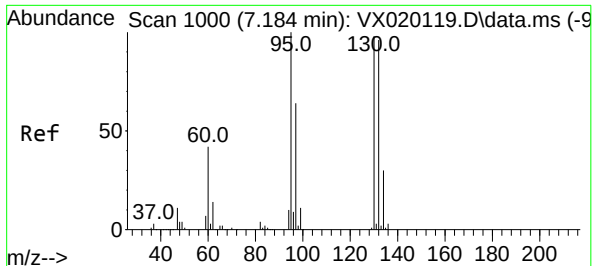
Delta R.T. -0.116 min

Lab File: VX020188.D

Acq: 19 Dec 2020 21:49

Tgt Ion:	117	Resp:	27607
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.2#
121	0.0	24.8	37.2#





#44

Trichloroethene

Concen: 0.32 ug/l

RT: 7.190 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VX020188.D

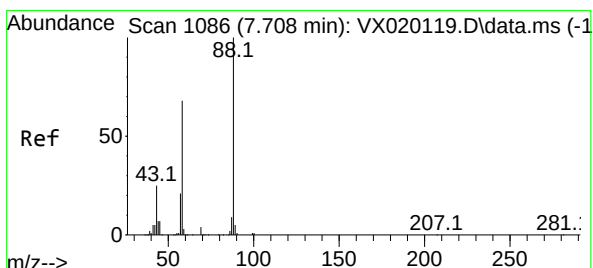
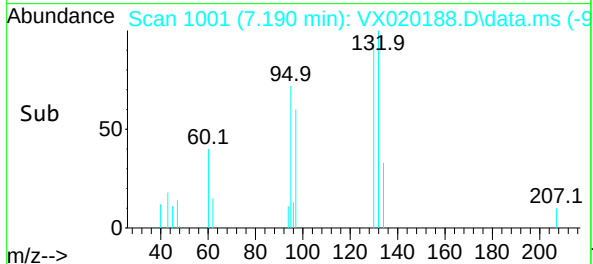
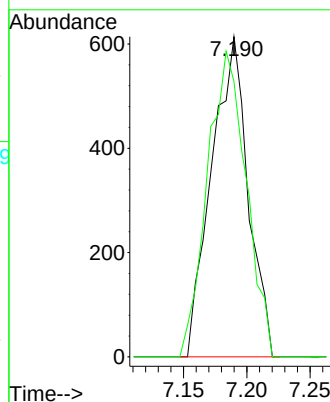
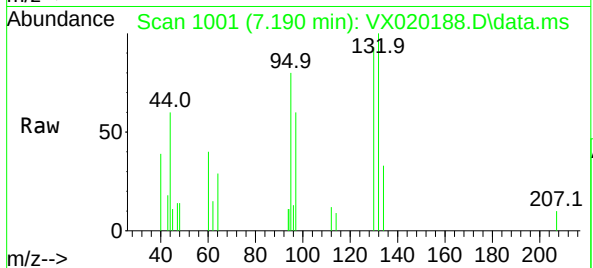
Acq: 19 Dec 2020 21:49

Tgt Ion:130 Resp: 1231

Ion Ratio Lower Upper

130 100

95 86.0 0.0 198.0



#49

1,4-Dioxane

Concen: 4.14 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.012 min

Lab File: VX020188.D

Acq: 19 Dec 2020 21:49

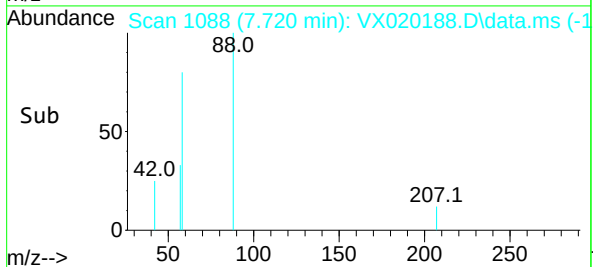
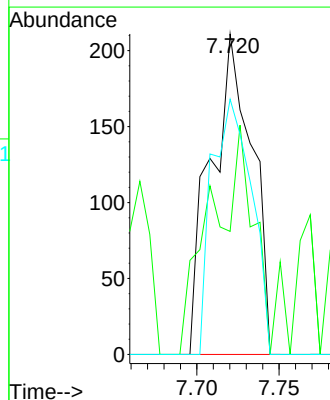
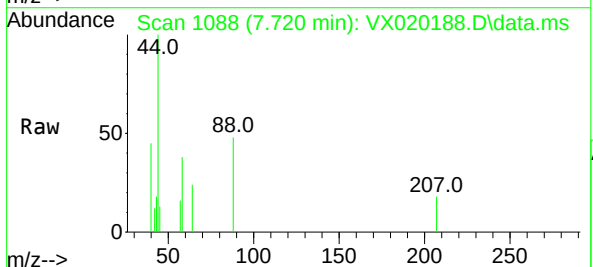
Tgt Ion: 88 Resp: 367

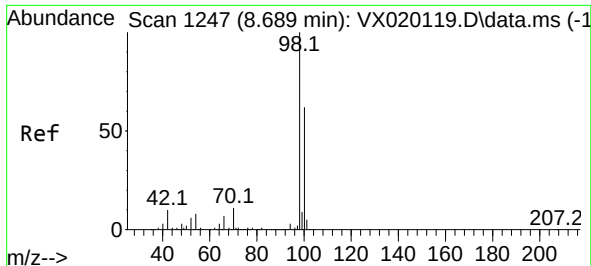
Ion Ratio Lower Upper

88 100

43 72.8 23.2 34.8#

58 76.6 55.0 82.4

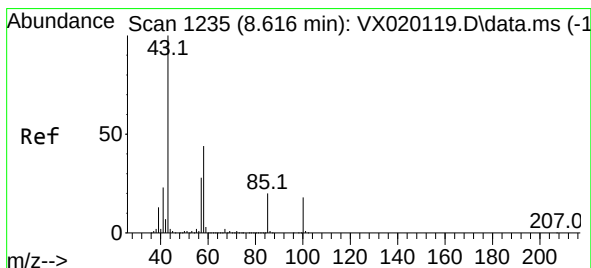
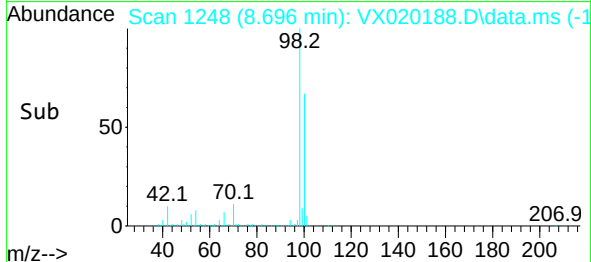
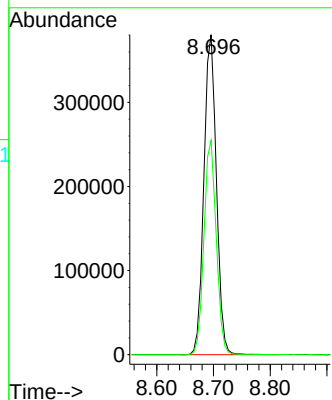
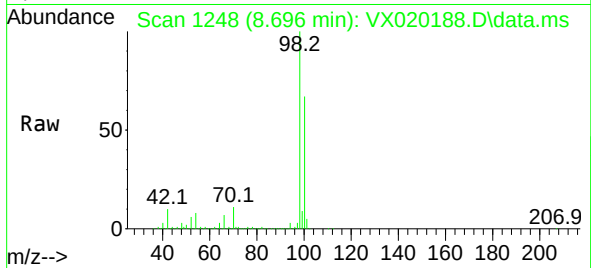




#50
Toluene-d8
Concen: 49.58 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

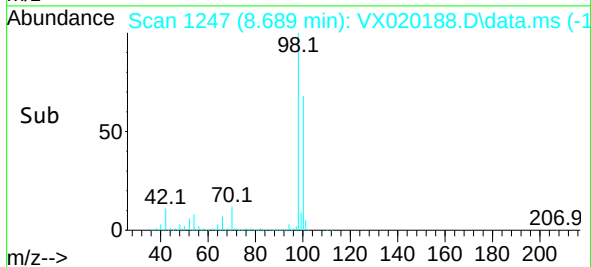
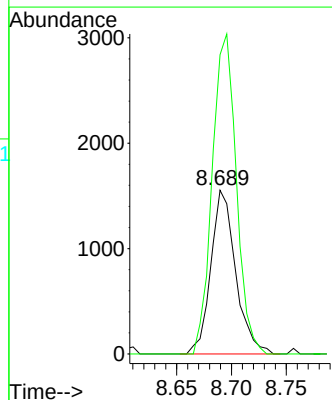
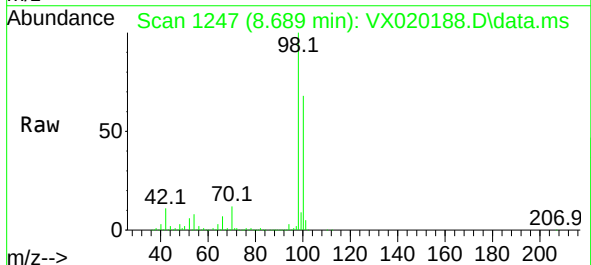
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

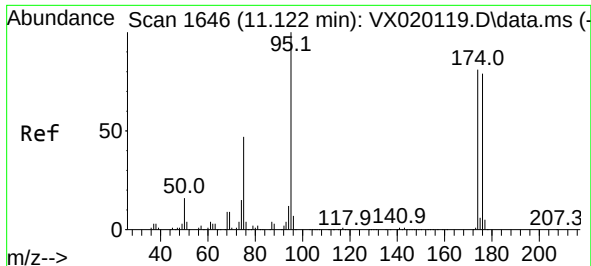
Tgt Ion: 98 Resp: 582431
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 189.7 35.4 53.0#

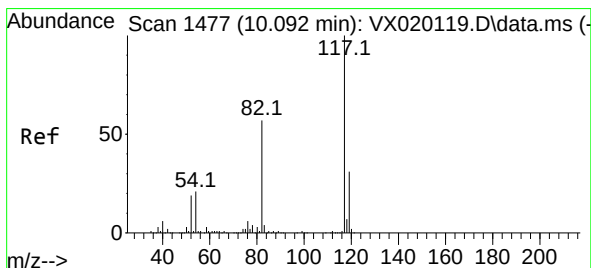
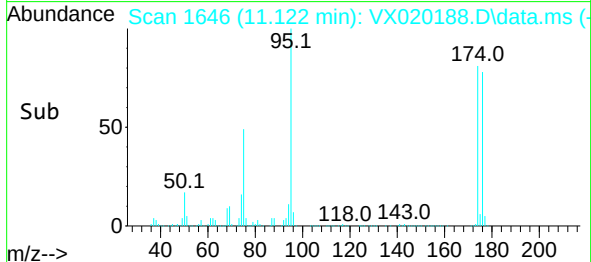
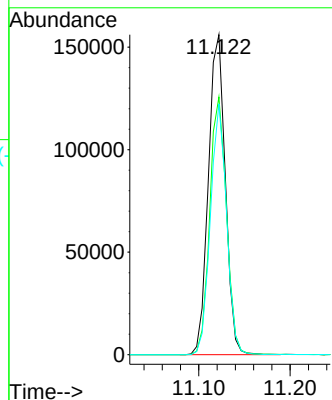
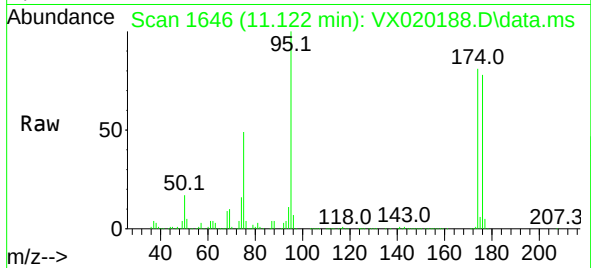




#62
4-Bromofluorobenzene
Concen: 44.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

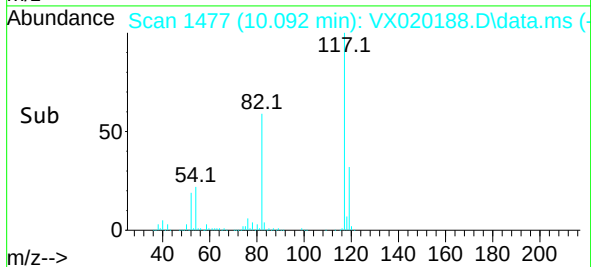
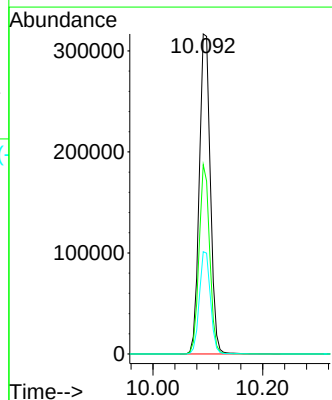
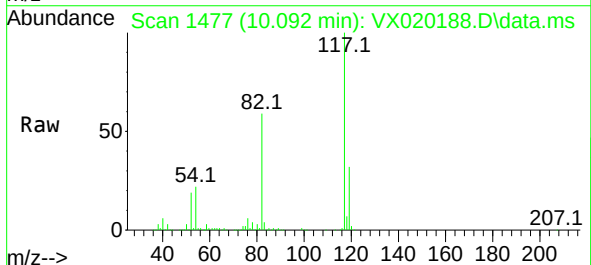
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

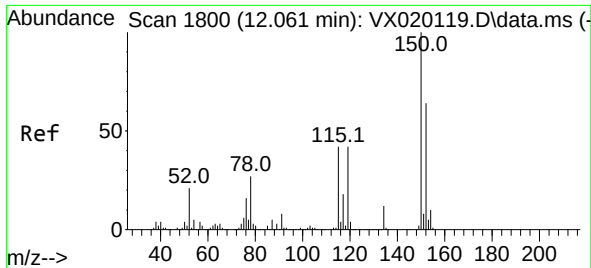
Tgt Ion: 95 Resp: 199906
Ion Ratio Lower Upper
95 100
174 79.8 0.0 154.6
176 74.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

Tgt Ion: 117 Resp: 445481
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.9 26.6 39.8

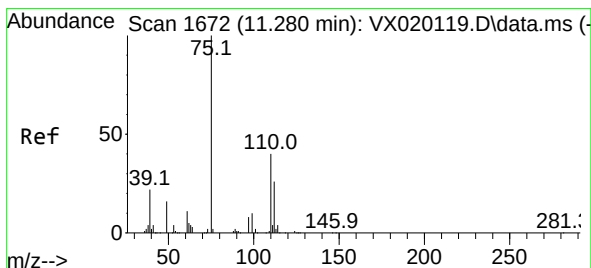
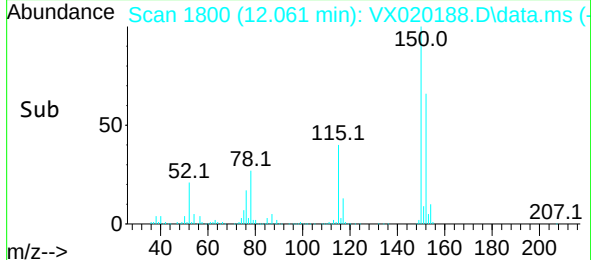
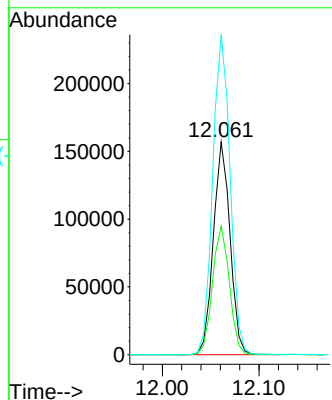
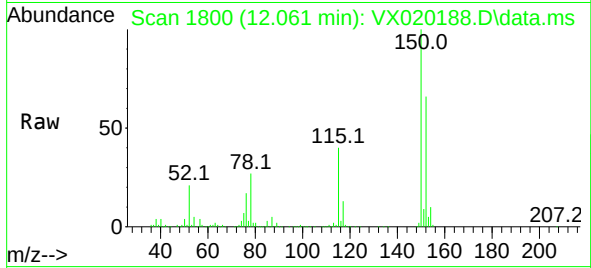




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

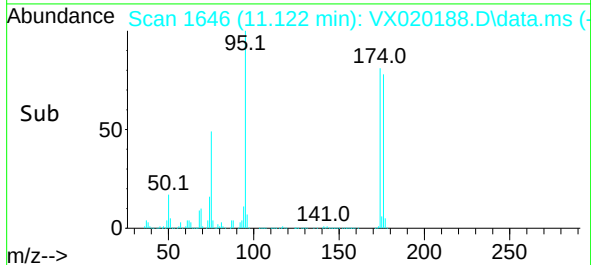
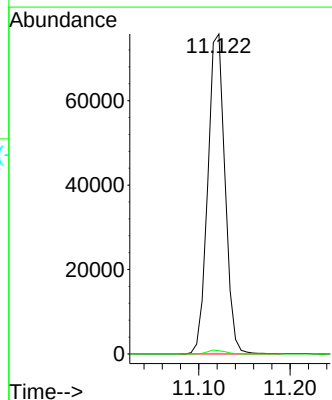
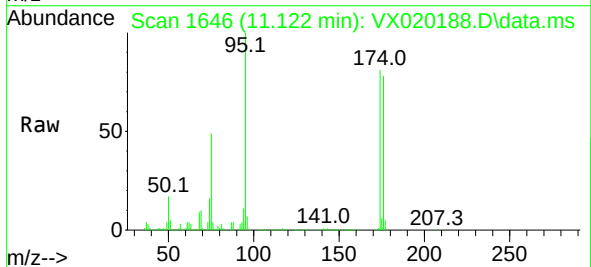
Instrument :
MSVOA_X
ClientSampleId :
49-5970(D)-121320

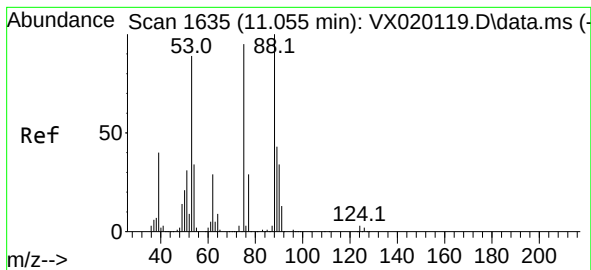
Tgt Ion:152 Resp: 188540
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 156.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.26 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020188.D
Acq: 19 Dec 2020 21:49

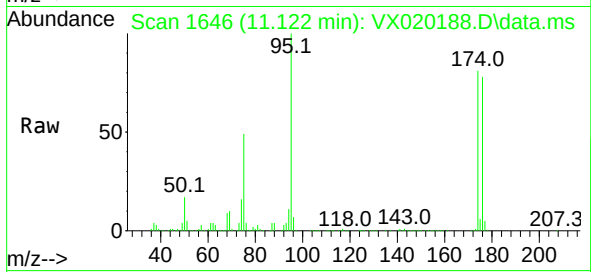
Tgt Ion: 75 Resp: 98725
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.07 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020188.D
 Acq: 19 Dec 2020 21:49

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5970(D)-121320



Tgt Ion: 75 Resp: 98725
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

