

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020224.D
 Acq On : 20 Dec 2020 13:17
 Operator : JC/MD
 Sample : L5094-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-5577(D)-121320

Quant Time: Dec 21 02:51:03 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)

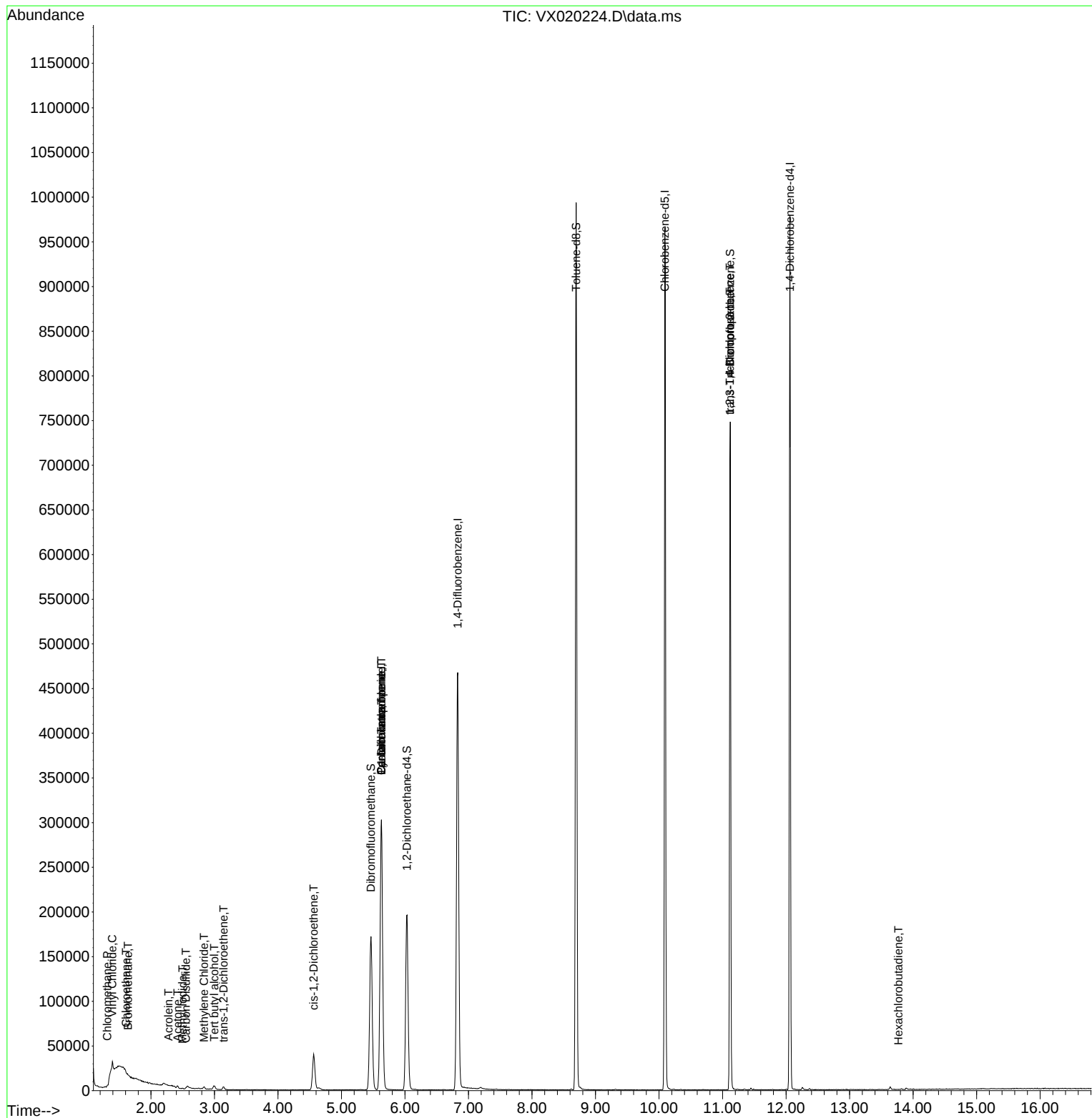
Internal Standards						
1) Pentafluorobenzene	5.629	168	289483	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	482144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	446012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	195858	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	189369	48.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.60%		
35) Dibromofluoromethane	5.464	113	151803	49.22	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.44%		
50) Toluene-d8	8.695	98	588781	49.59	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.18%		
62) 4-Bromofluorobenzene	11.122	95	207008	45.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.12%		
Target Compounds						Qvalue
3) Chloromethane	1.313	50	959	0.26	ug/l	89
4) Vinyl Chloride	1.392	62	6196	1.56	ug/l	97
5) Bromomethane	1.636	94	600	0.47	ug/l	97
6) Chloroethane	1.605	64	2998	1.21	ug/l #	50
10) Methyl Iodide	2.495	142	746	3.46	ug/l #	89
11) Tert butyl alcohol	2.995	59	3103	3.57	ug/l #	79
13) Acrolein	2.276	56	205	0.38	ug/l #	14
16) Acetone	2.416	43	3498	1.98	ug/l	98
17) Carbon Disulfide	2.550	76	1824	0.21	ug/l	96
20) Methylene Chloride	2.837	84	1017	0.25	ug/l	96
21) trans-1,2-Dichloroethene	3.142	96	1567	0.44	ug/l #	69
27) cis-1,2-Dichloroethene	4.562	96	25900	6.40	ug/l	90
31) Cyclohexane	5.629	56	5651	1.06	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	22345	4.69	ug/l #	49
38) Carbon Tetrachloride	5.629	117	28186	6.22	ug/l #	16
76) 1,2,3-Trichloropropane	11.116	75	101915	21.12	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	101915	62.67	ug/l #	12
94) Hexachlorobutadiene	13.768	225	19	2.65	ug/l #	1

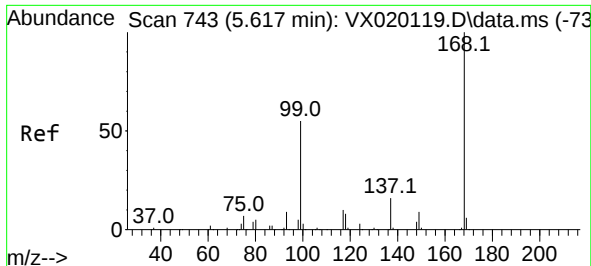
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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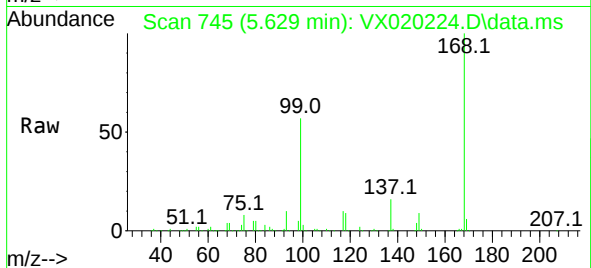
Quant Time: Dec 21 02:51:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
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QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



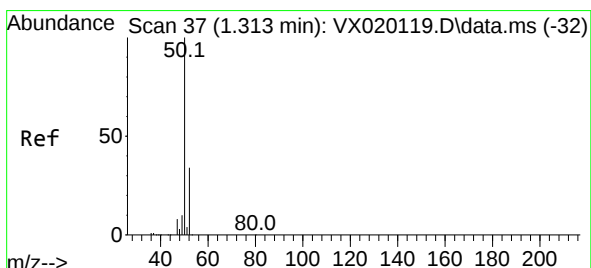
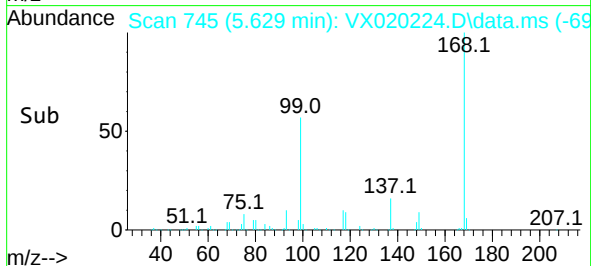
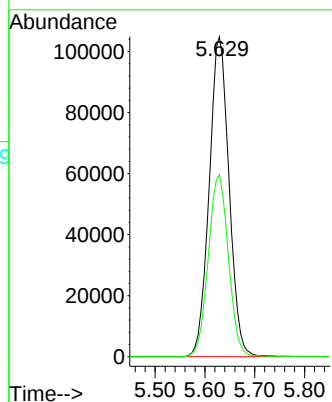


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

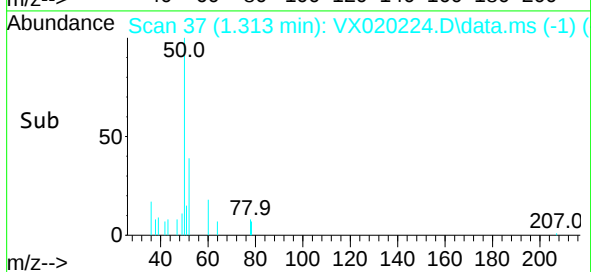
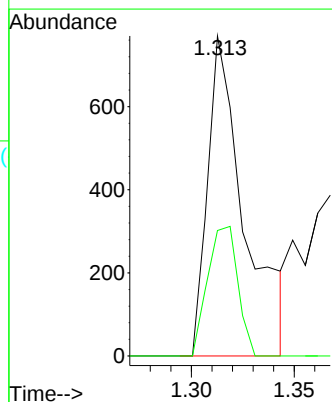
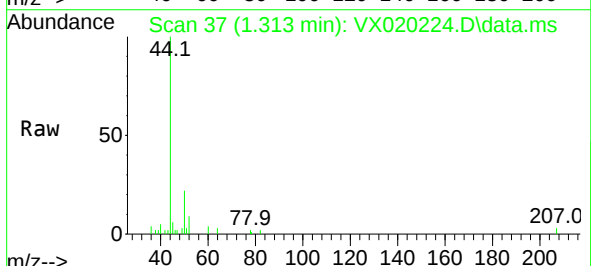


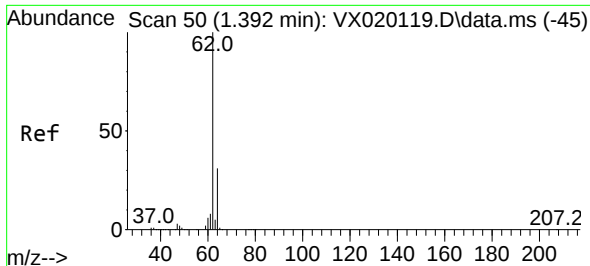
Tgt Ion:168 Resp: 289483
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#3
Chloromethane
Concen: 0.26 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 50 Resp: 959
Ion Ratio Lower Upper
50 100
52 39.2 26.4 39.6

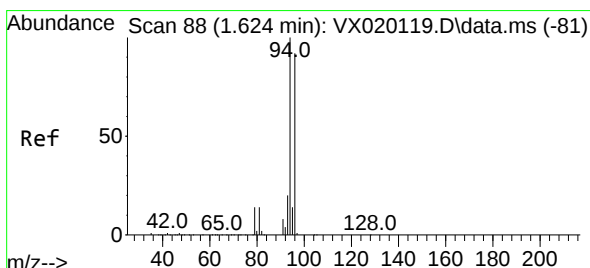
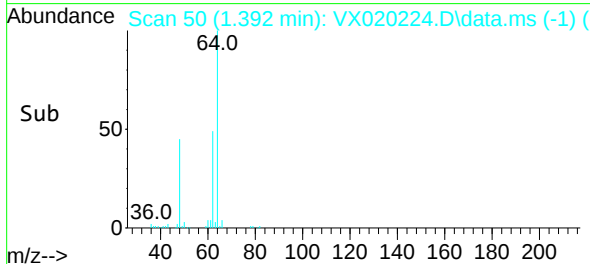
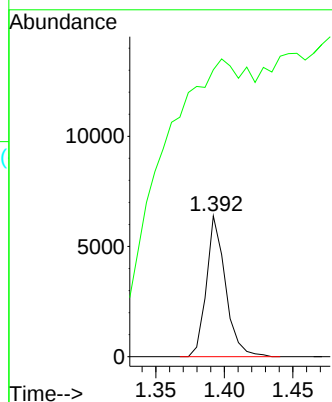
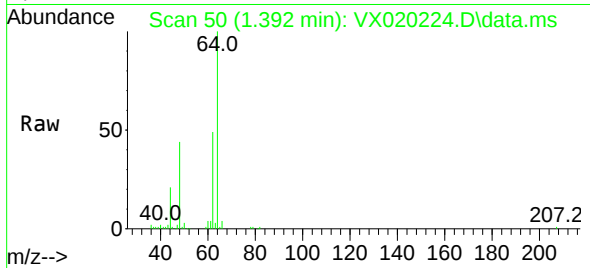




#4
 Vinyl Chloride
 Concen: 1.56 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. -0.000 min
 Lab File: VX020224.D
 Acq: 20 Dec 2020 13:17

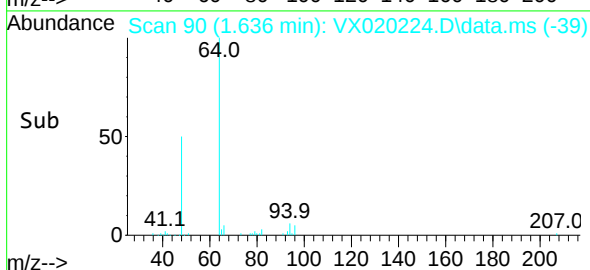
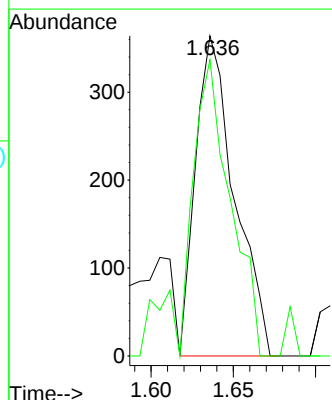
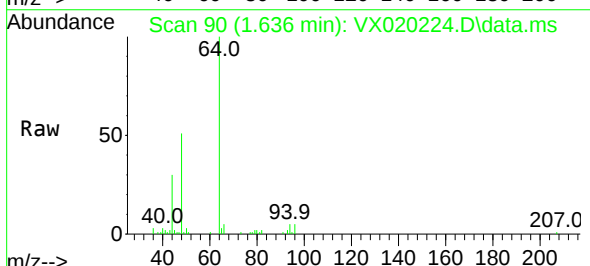
Instrument :
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 ClientSampleId :
 49-5577(D)-121320

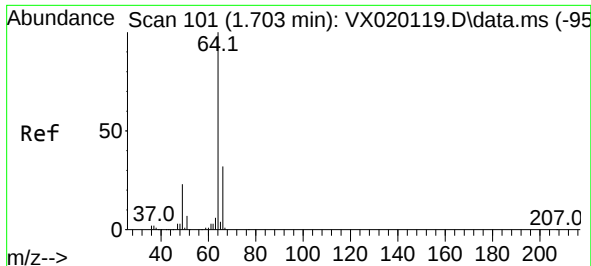
Tgt Ion: 62 Resp: 6196
 Ion Ratio Lower Upper
 62 100
 64 33.6 25.7 38.5



#5
 Bromomethane
 Concen: 0.47 ug/l
 RT: 1.636 min Scan# 90
 Delta R.T. 0.012 min
 Lab File: VX020224.D
 Acq: 20 Dec 2020 13:17

Tgt Ion: 94 Resp: 600
 Ion Ratio Lower Upper
 94 100
 96 92.6 76.4 114.6

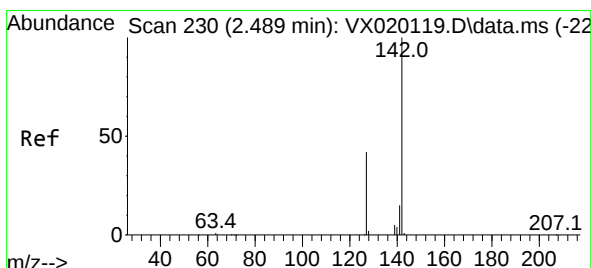
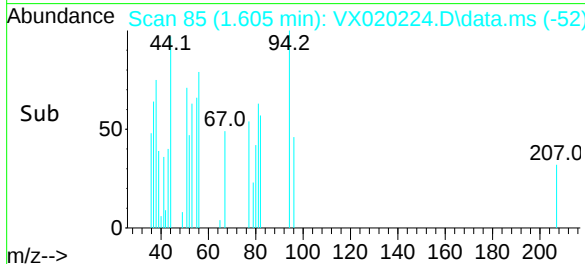
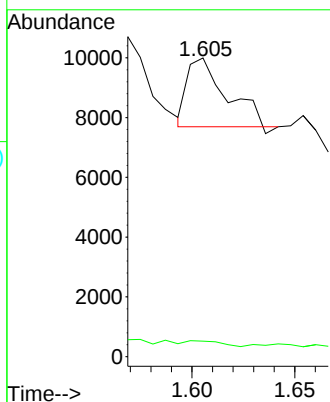
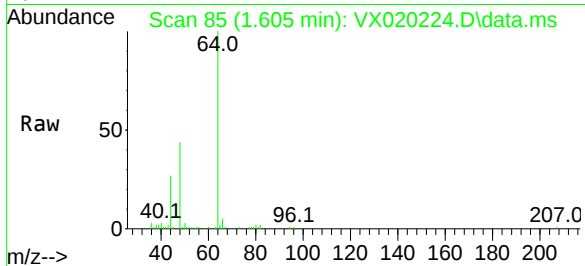




#6
Chloroethane
Concen: 1.21 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.098 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

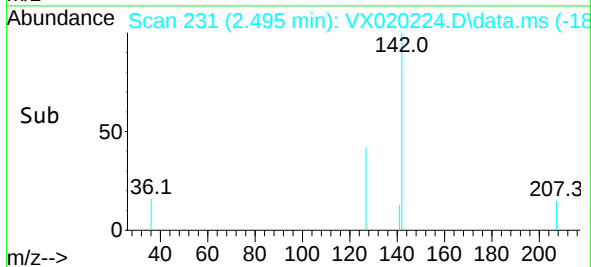
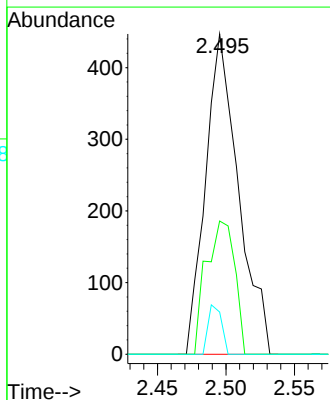
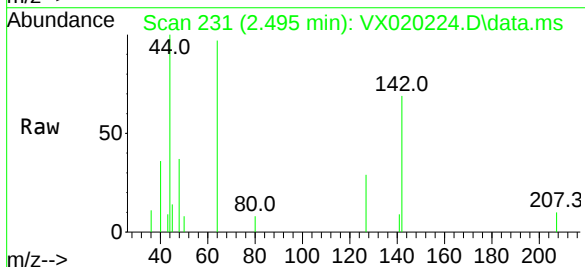
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

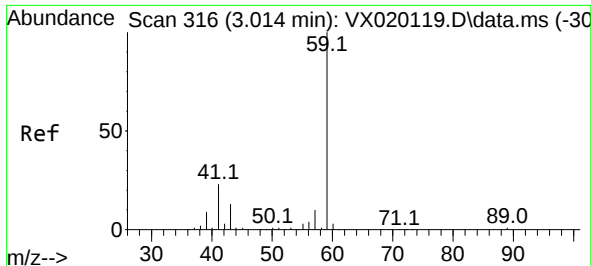
Tgt Ion: 64 Resp: 2998
Ion Ratio Lower Upper
64 100
66 3.9 25.4 38.0#



#10
Methyl Iodide
Concen: 3.46 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 142 Resp: 746
Ion Ratio Lower Upper
142 100
127 36.1 33.3 49.9
141 6.3 11.4 17.0#

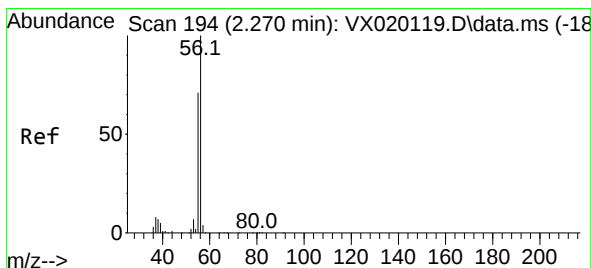
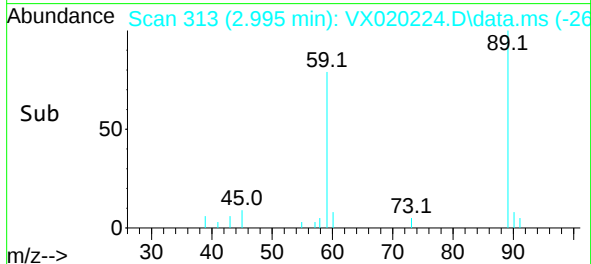
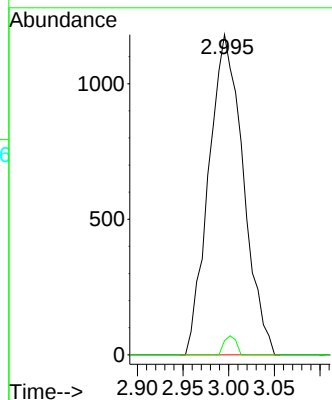
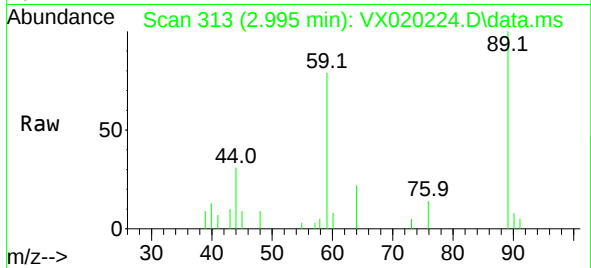




#11
Tert butyl alcohol
Concen: 3.57 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

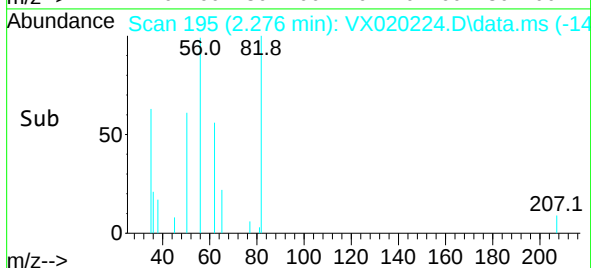
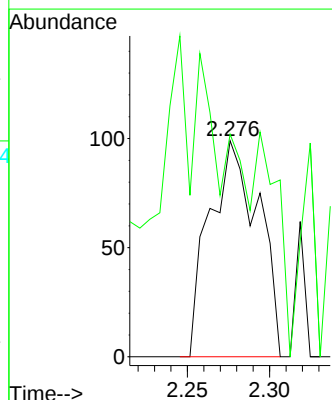
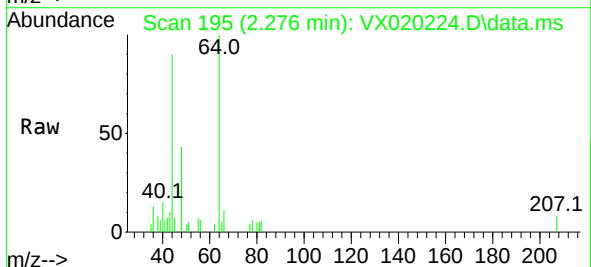
Instrument :
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ClientSampleId :
49-5577(D)-121320

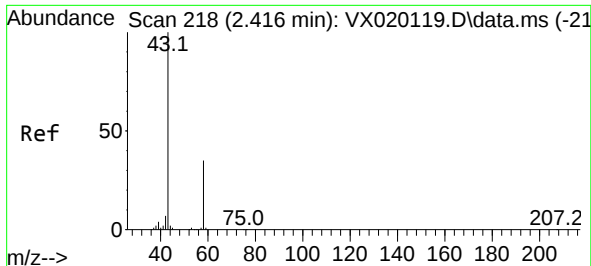
Tgt Ion: 59 Resp: 3103
Ion Ratio Lower Upper
59 100
57 2.1 7.8 11.8#



#13
Acrolein
Concen: 0.38 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

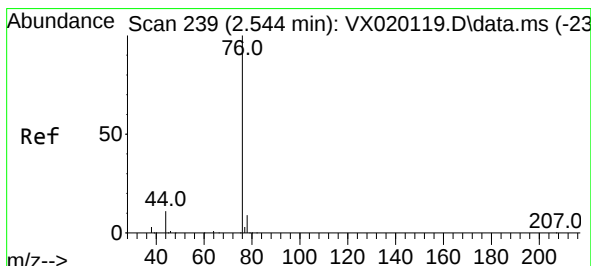
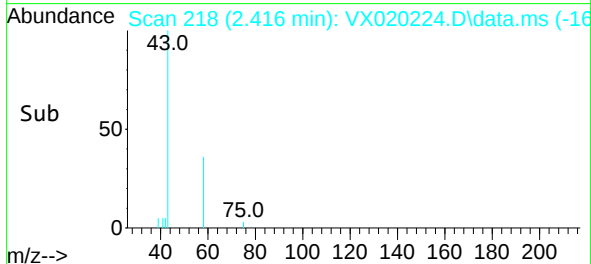
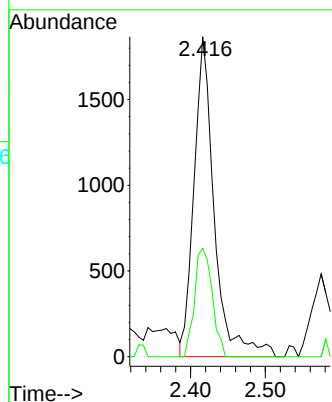
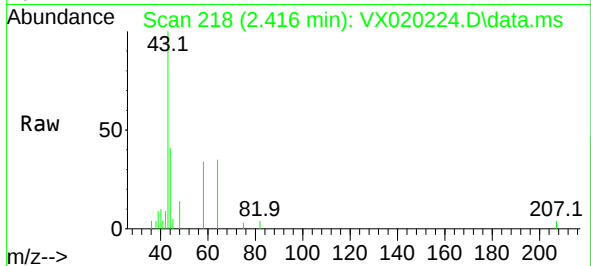




#16
Acetone
Concen: 1.98 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

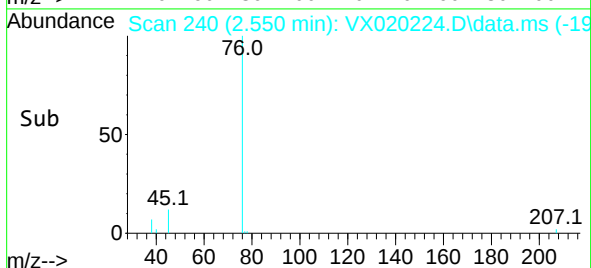
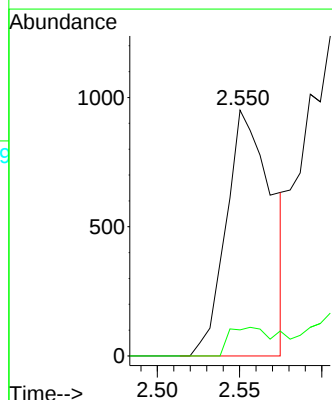
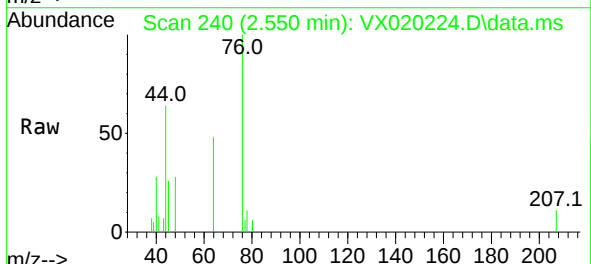
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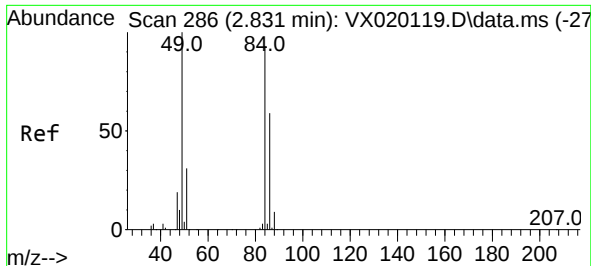
Tgt Ion: 43 Resp: 3498
Ion Ratio Lower Upper
43 100
58 33.9 27.8 41.8



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

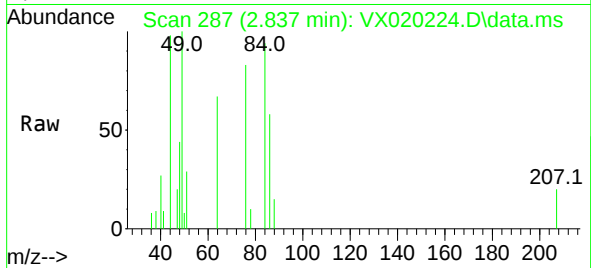
Tgt Ion: 76 Resp: 1824
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8





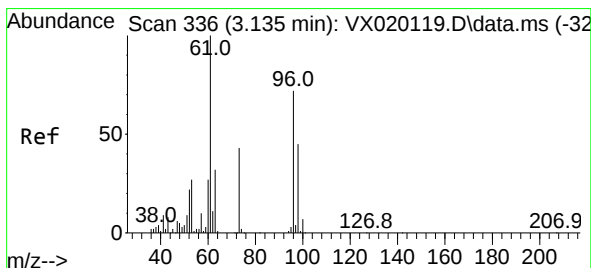
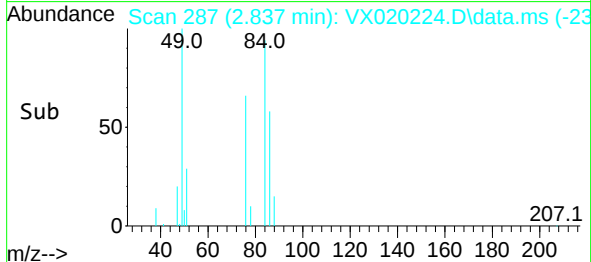
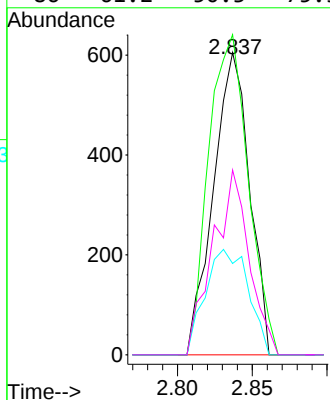
#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320



Tgt Ion: 84 Resp: 1017

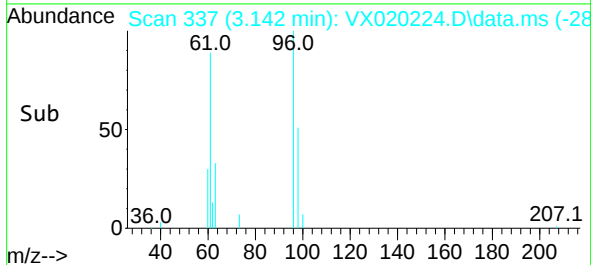
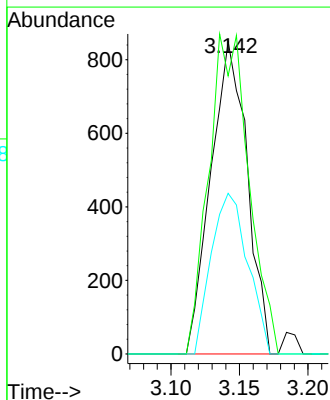
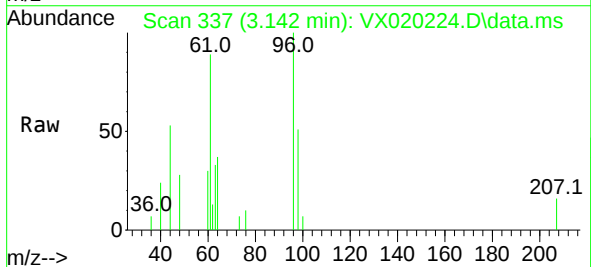
Ion	Ratio	Lower	Upper
84	100		
49	106.0	88.6	132.8
51	30.2	27.0	40.6
86	61.2	50.3	75.5

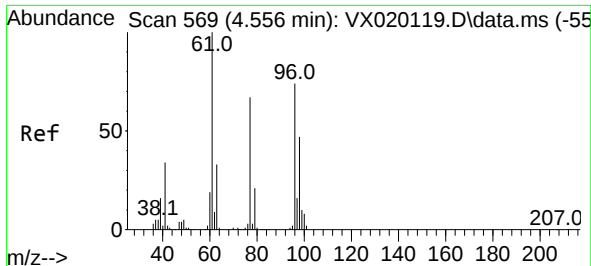


#21
trans-1,2-Dichloroethene
Concen: 0.44 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 96 Resp: 1567

Ion	Ratio	Lower	Upper
96	100		
61	88.9	107.7	161.5#
98	51.4	50.4	75.6





#27

cis-1,2-Dichloroethene

Concen: 6.40 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020224.D

Acq: 20 Dec 2020 13:17

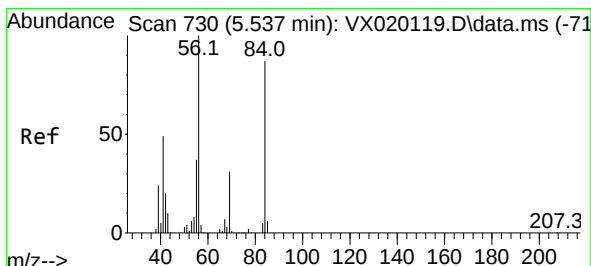
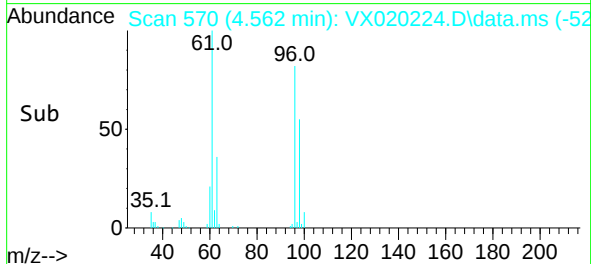
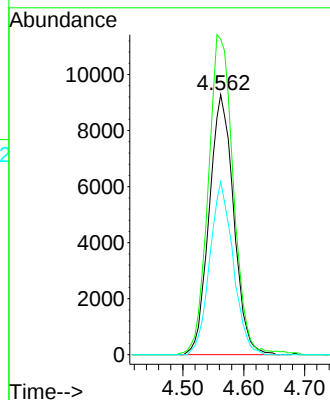
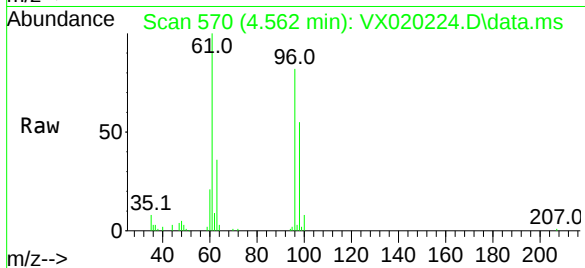
Instrument :

MSVOA_X

ClientSampleId :

49-5577(D)-121320

Tgt Ion:	96	Resp:	25900
Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	285.6
98	63.5	0.0	129.6



#31

Cyclohexane

Concen: 1.06 ug/l

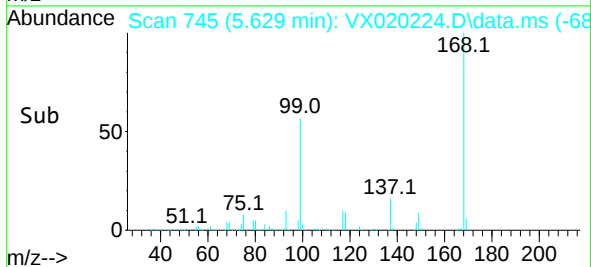
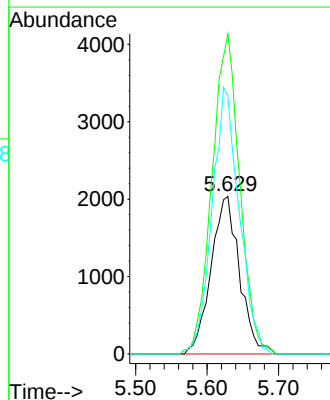
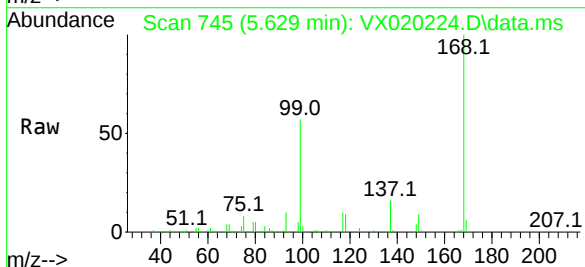
RT: 5.629 min Scan# 745

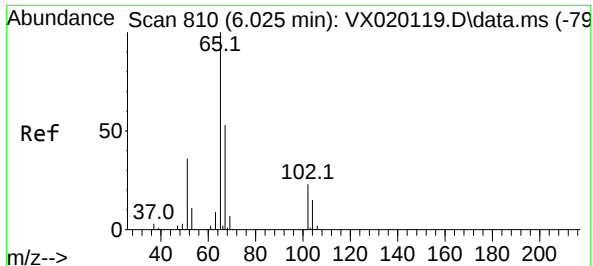
Delta R.T. 0.092 min

Lab File: VX020224.D

Acq: 20 Dec 2020 13:17

Tgt Ion:	56	Resp:	5651
Ion	Ratio	Lower	Upper
56	100		
69	203.0	25.3	37.9#
84	163.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.80 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020224.D

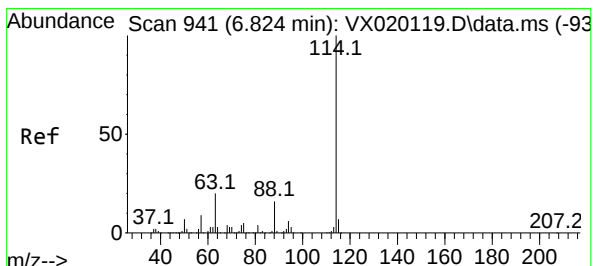
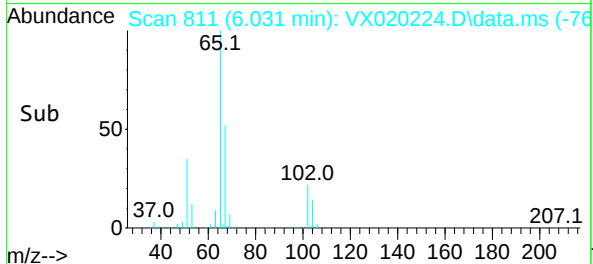
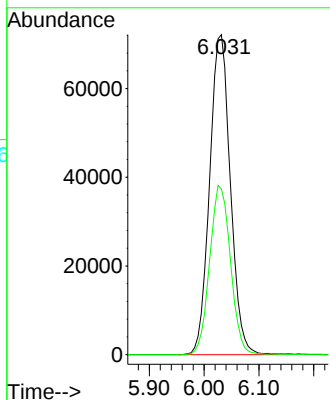
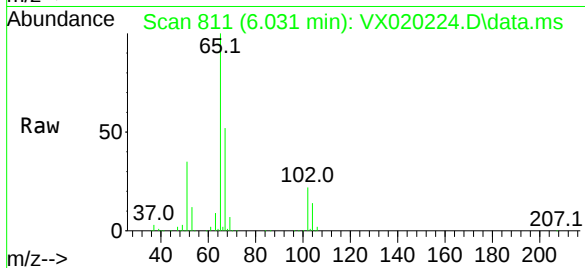
Acq: 20 Dec 2020 13:17

Tgt Ion: 65 Resp: 189369

Ion Ratio Lower Upper

65 100

67 53.1 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: VX020224.D

Acq: 20 Dec 2020 13:17

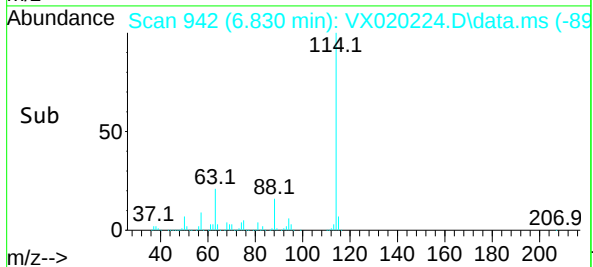
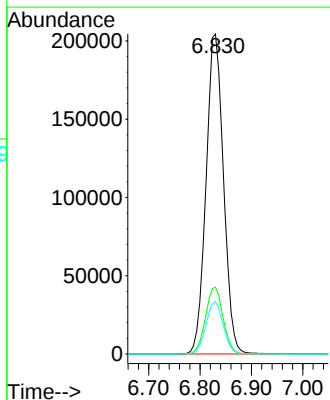
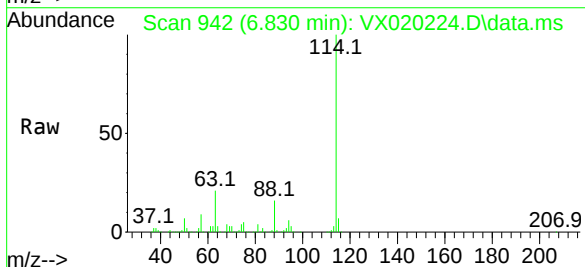
Tgt Ion: 114 Resp: 482144

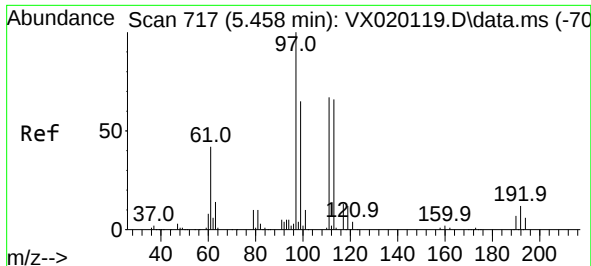
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

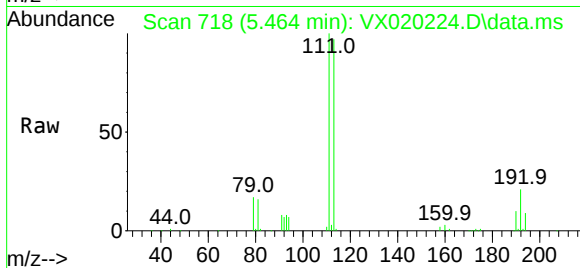
88 16.4 0.0 32.8



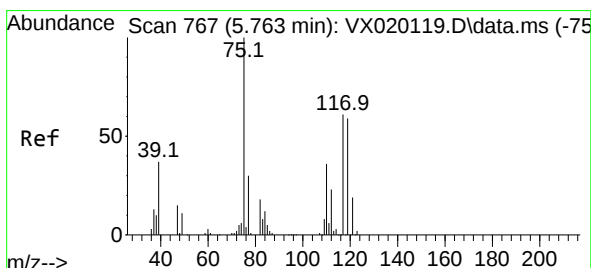
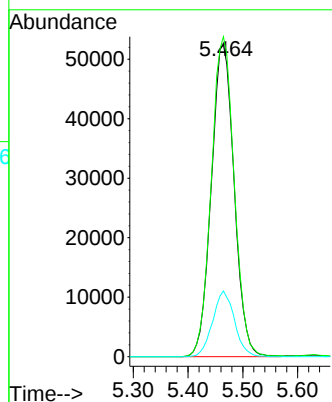
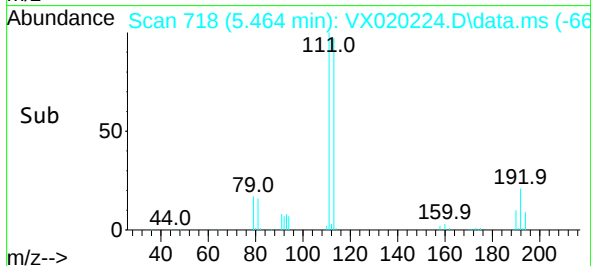


#35
Dibromofluoromethane
Concen: 49.22 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

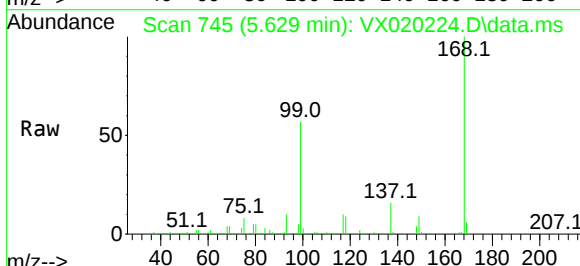
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320



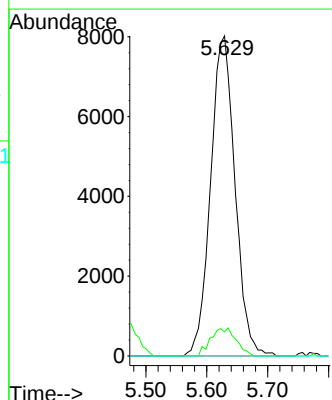
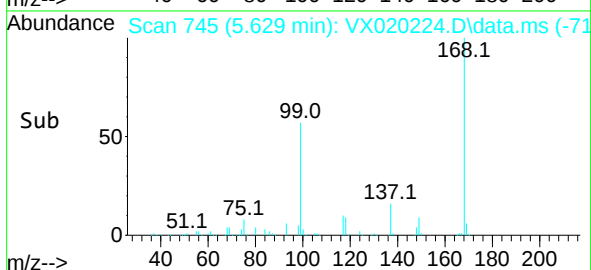
Tgt Ion:113 Resp: 151803
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.2 16.7 25.1

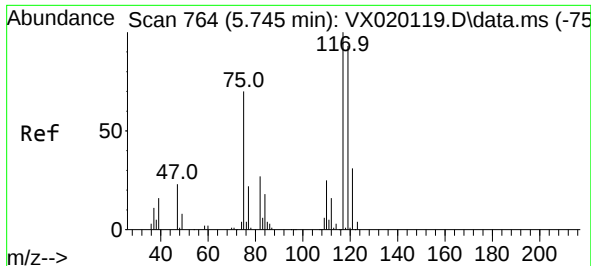


#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17



Tgt Ion: 75 Resp: 22345
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#

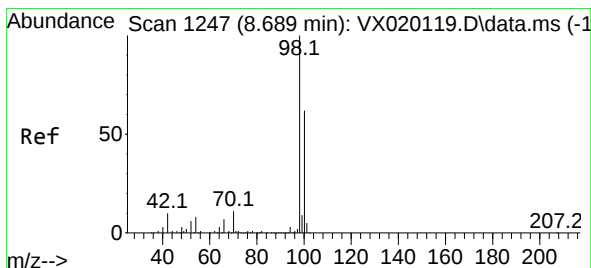
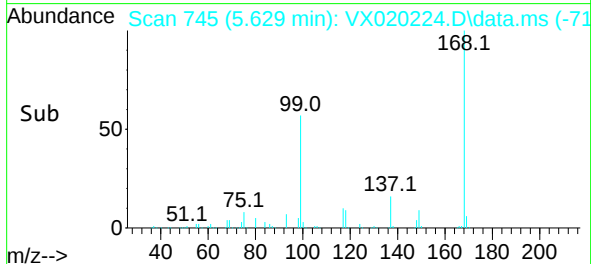
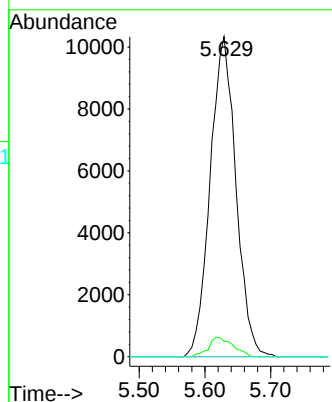
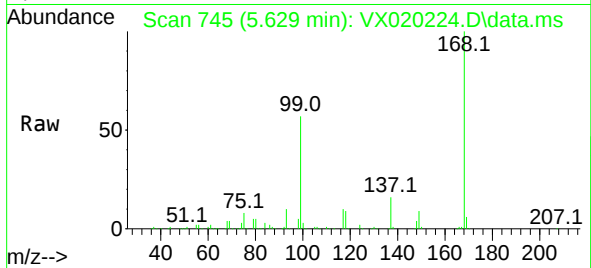




#38
Carbon Tetrachloride
Concen: 6.22 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

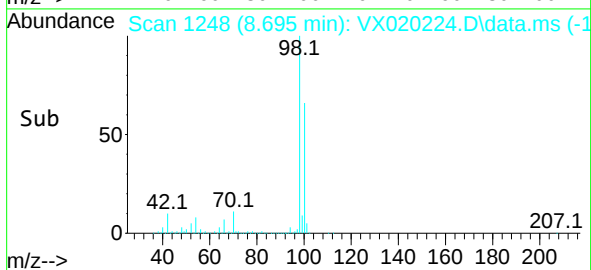
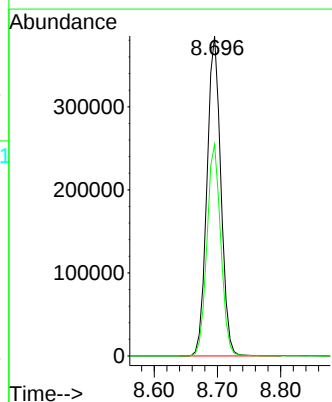
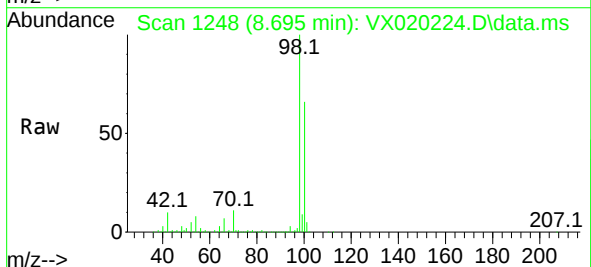
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

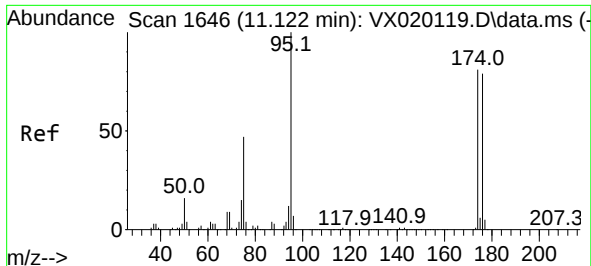
Tgt Ion:117 Resp: 28186
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.59 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 98 Resp: 588781
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

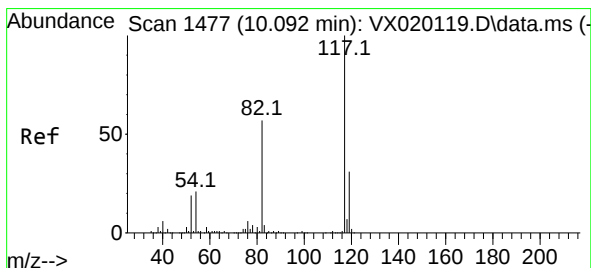
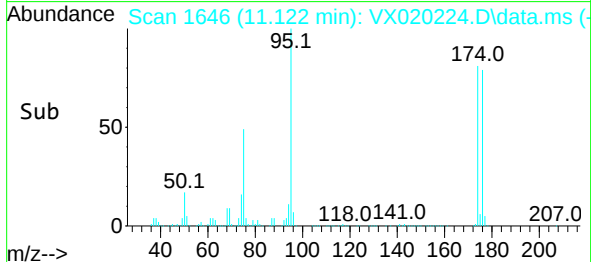
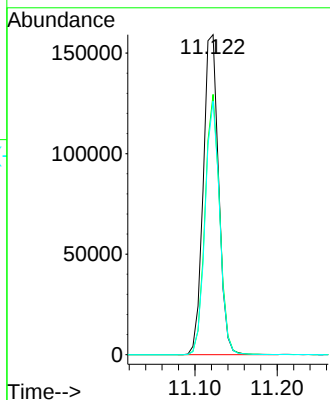
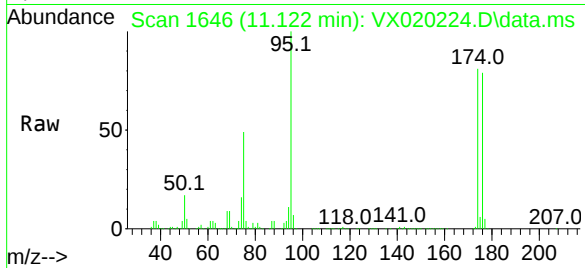




#62
4-Bromofluorobenzene
Concen: 45.56 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

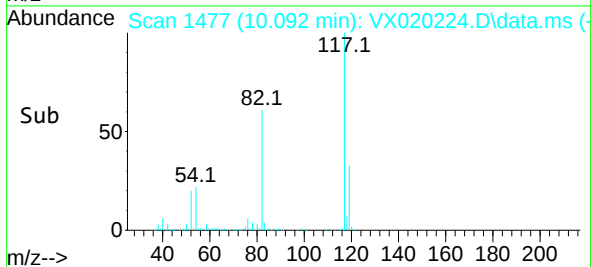
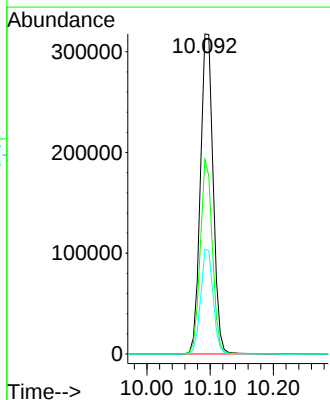
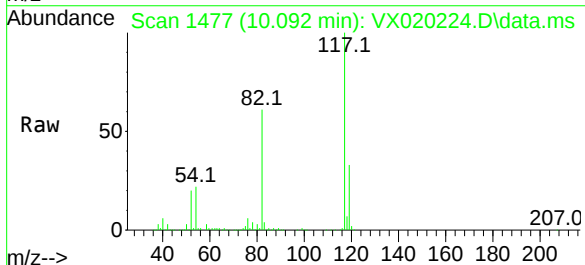
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

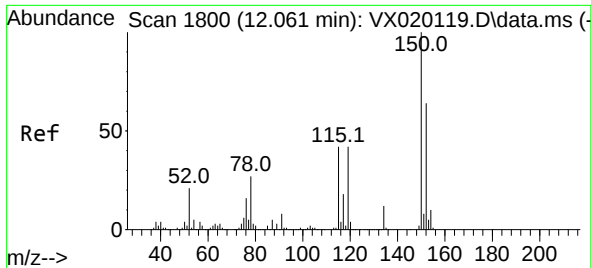
Tgt Ion: 95 Resp: 207008
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 75.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 117 Resp: 446012
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 32.7 26.6 39.8

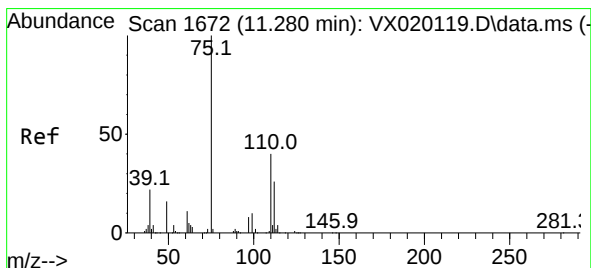
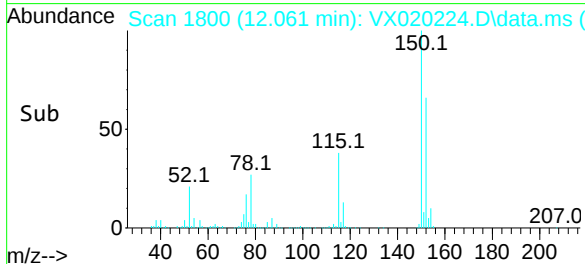
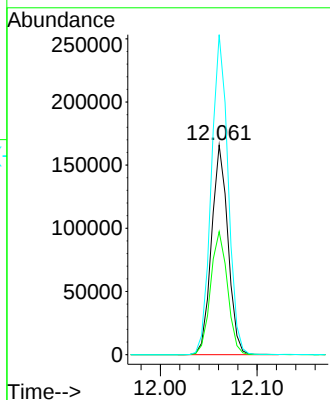
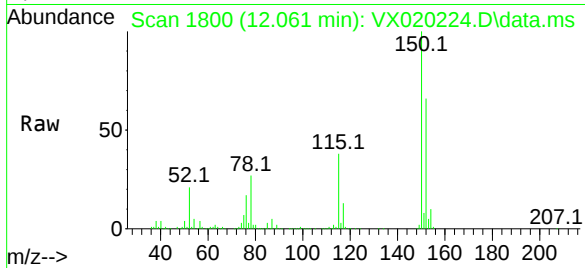




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

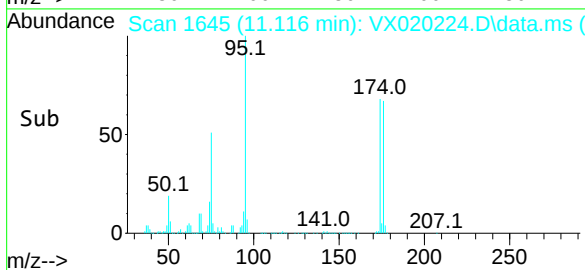
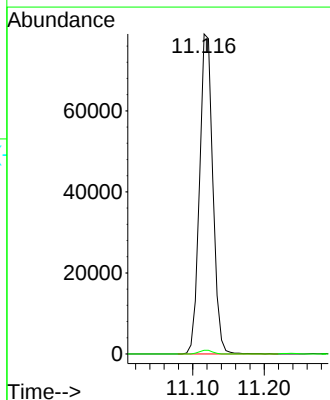
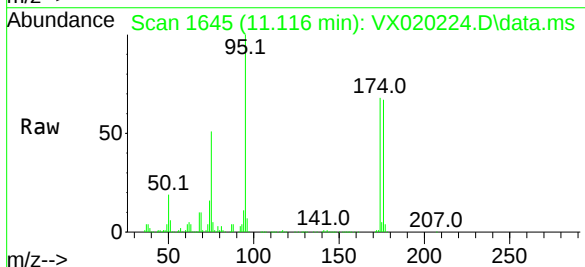
Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

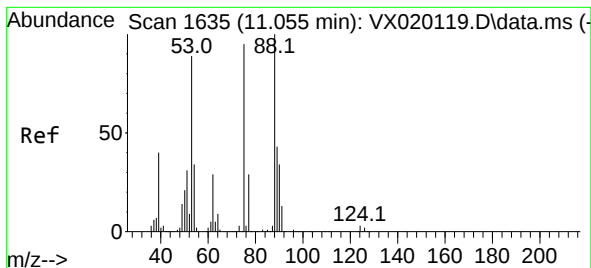
Tgt Ion:152 Resp: 195858
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 155.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.12 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 75 Resp: 101915
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

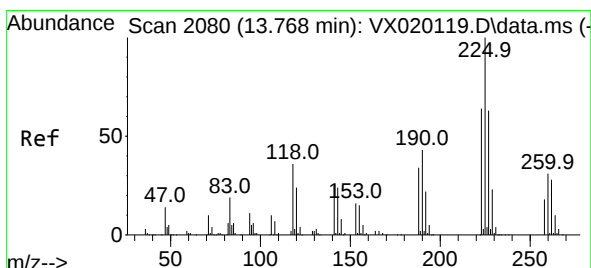
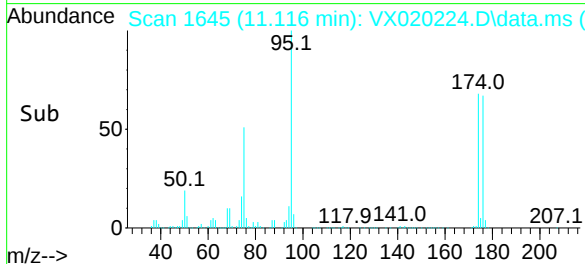
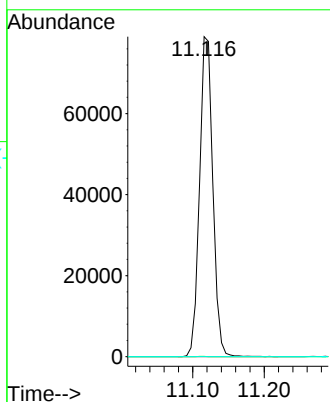
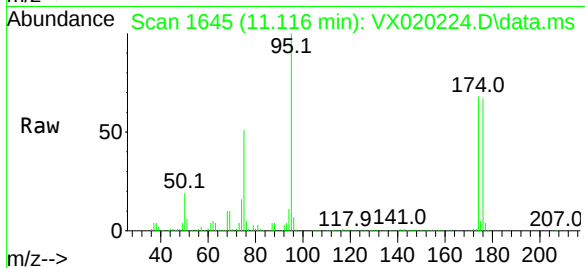




#81
trans-1,4-Dichloro-2-butene
Concen: 62.67 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Instrument :
MSVOA_X
ClientSampleId :
49-5577(D)-121320

Tgt Ion: 75 Resp: 101915
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.65 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. -0.000 min
Lab File: VX020224.D
Acq: 20 Dec 2020 13:17

Tgt Ion: 225 Resp: 19
Ion Ratio Lower Upper
225 100
223 352.6 31.1 93.2#
227 131.6 31.6 95.0#

