

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052421\
 Data File : VX022149.D
 Acq On : 24 May 2021 15:48
 Operator : JC/MD
 Sample : M2498-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW8-TB-20210520

Quant Time: May 25 02:07:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

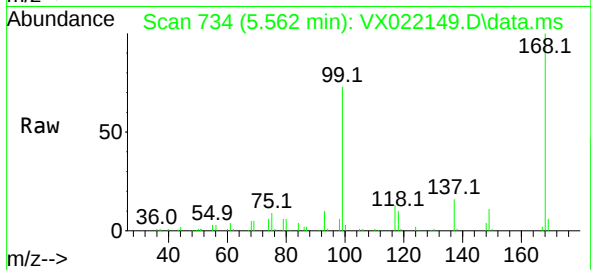
Internal Standards						
1) Pentafluorobenzene	5.562	168	70127	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	142444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	121144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	54599	50.47	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	= 100.94%		
35) Dibromofluoromethane	5.397	113	44463	49.22	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 98.44%		
50) Toluene-d8	8.653	98	170841	49.10	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	= 98.20%		
62) 4-Bromofluorobenzene	11.085	95	58754	45.68	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 91.36%		
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	184	0.20	ug/l	100
5) Bromomethane	1.617	94	302	0.53	ug/l	82
10) Methyl Iodide	2.459	142	570	0.64	ug/l	# 86
11) Tert butyl alcohol	2.959	59	304	1.23	ug/l	# 73
13) Acrolein	2.245	56	170	1.04	ug/l	# 73
16) Acetone	2.392	43	653	1.39	ug/l	# 69
17) Carbon Disulfide	2.507	76	674	0.32	ug/l	# 75
18) Methyl Acetate	2.709	43	334	0.27	ug/l	# 47
20) Methylene Chloride	2.794	84	408	0.39	ug/l	# 84
29) Tetrahydrofuran	5.025	42	341	0.75	ug/l	# 33
31) Cyclohexane	5.562	56	1720	1.27	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	6533	4.96	ug/l	# 49
38) Carbon Tetrachloride	5.562	117	7581	5.88	ug/l	# 17
41) Methacrylonitrile	5.019	41	186	0.22	ug/l	# 37
76) 1,2,3-Trichloropropane	11.085	75	30404	25.48	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	30404	60.37	ug/l	# 12
93) 1,2,4-Trichlorobenzene	13.597	180	230	0.24	ug/l	# 72
94) Hexachlorobutadiene	13.725	225	94	0.25	ug/l	# 49

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

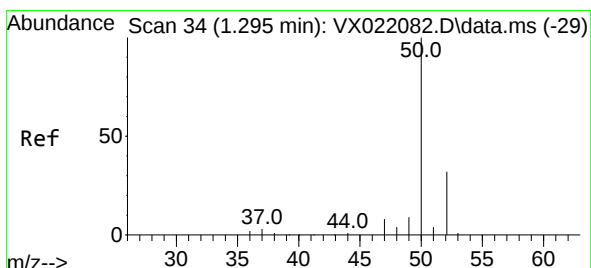
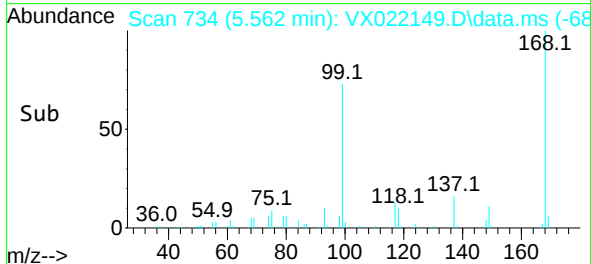
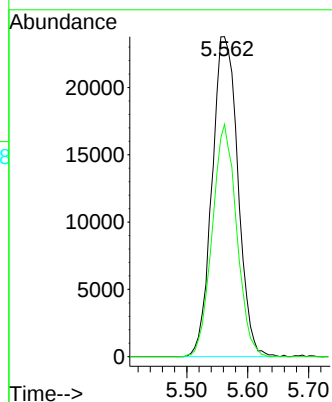


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

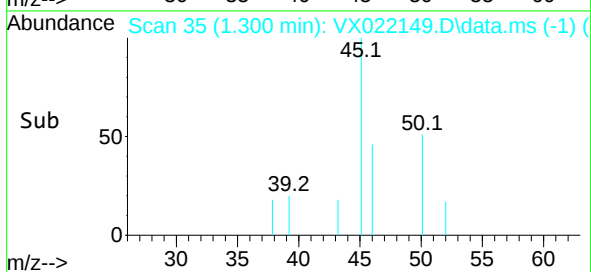
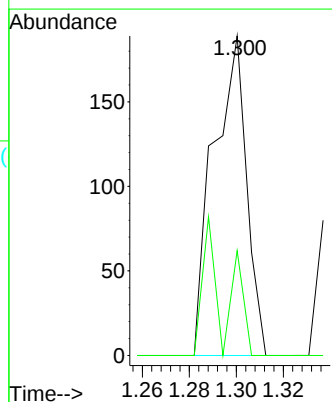
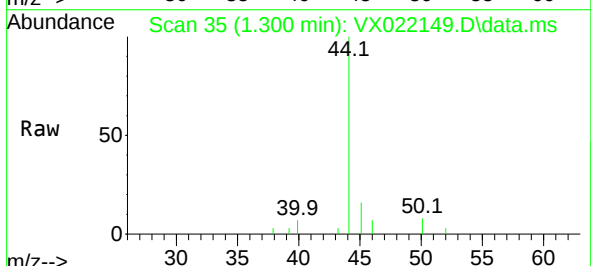


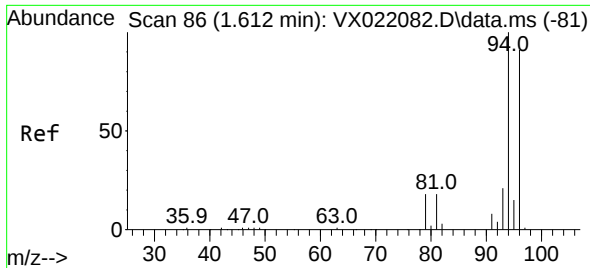
Tgt Ion:168 Resp: 70127
Ion Ratio Lower Upper
168 100
99 72.6 45.8 68.6#



#3
Chloromethane
Concen: 0.20 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 50 Resp: 184
Ion Ratio Lower Upper
50 100
52 32.8 26.4 39.6

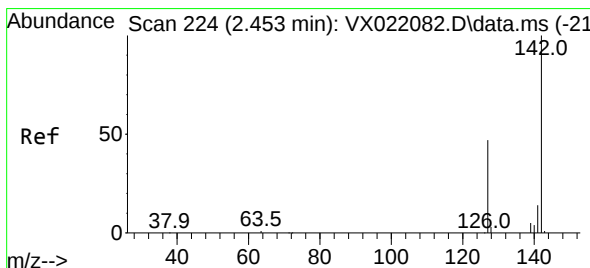
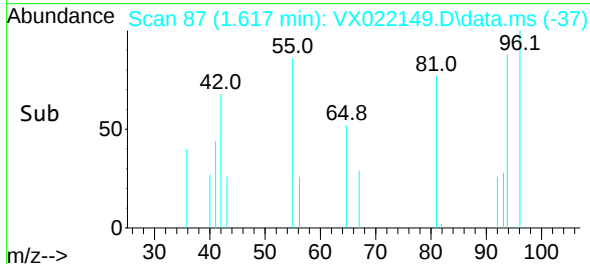
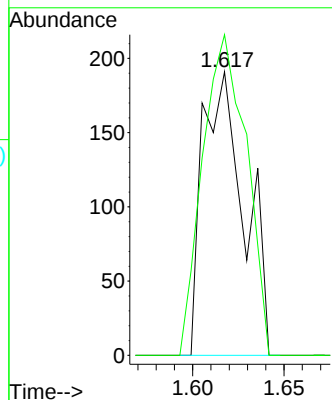
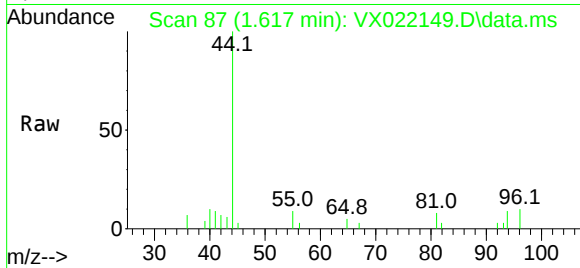




#5
Bromomethane
Concen: 0.53 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

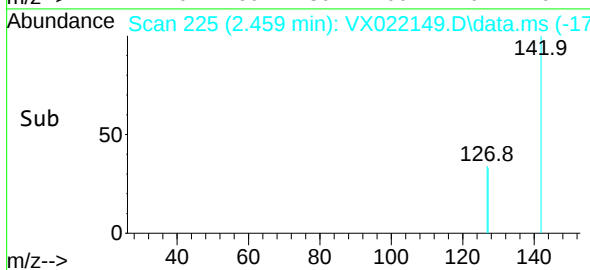
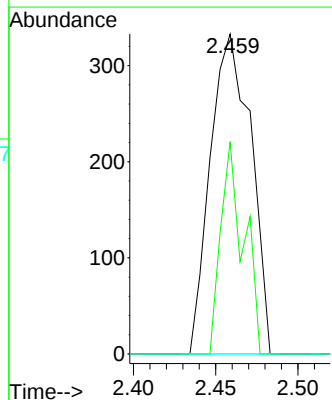
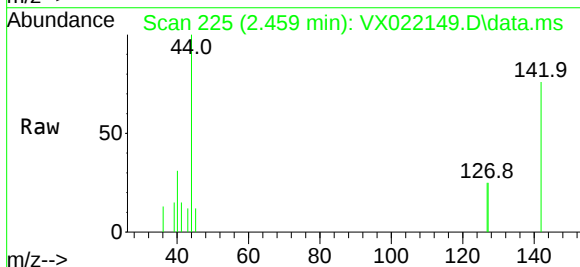
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

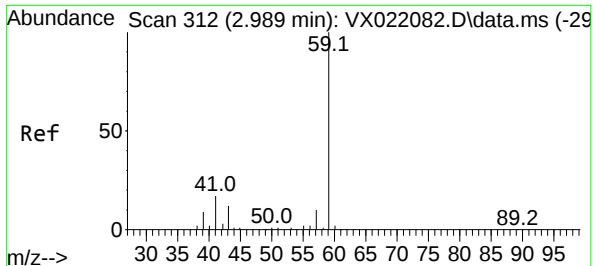
Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 113.1 76.4 114.6



#10
Methyl Iodide
Concen: 0.64 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 142 Resp: 570
Ion Ratio Lower Upper
142 100
127 37.5 33.3 49.9
141 0.0 11.4 17.0#



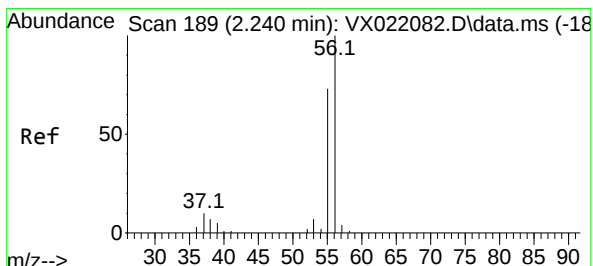
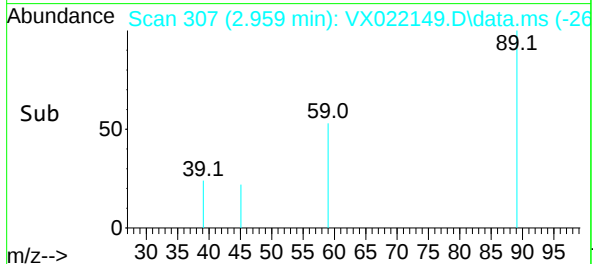
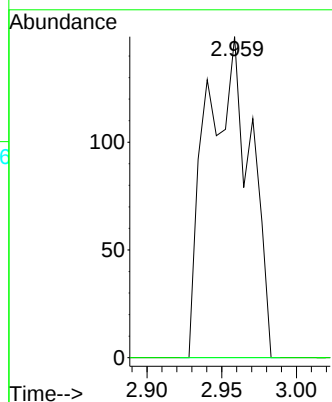
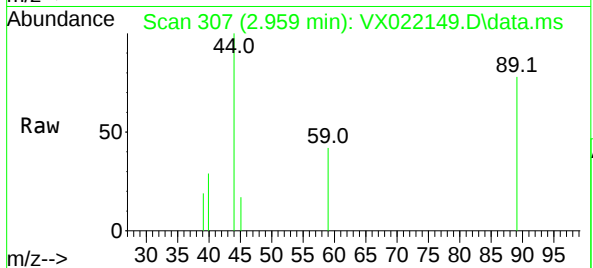


#11

Tert butyl alcohol
Concen: 1.23 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

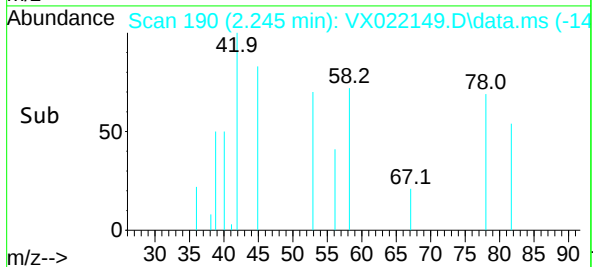
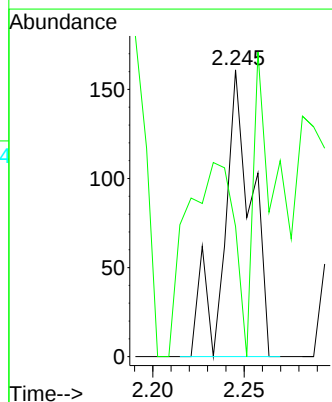
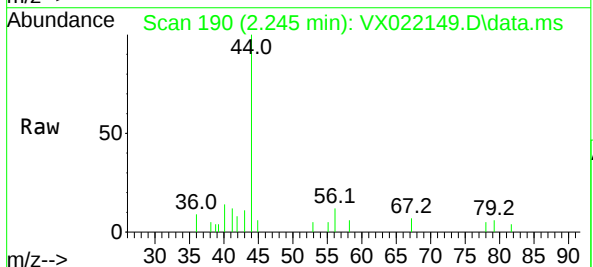
Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

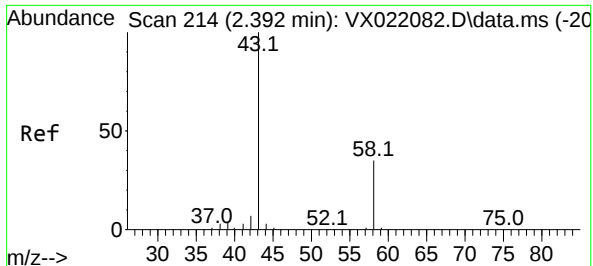


#13

Acrolein
Concen: 1.04 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.005 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 92.4 56.4 84.6#

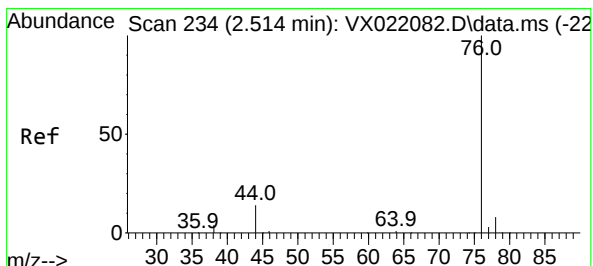
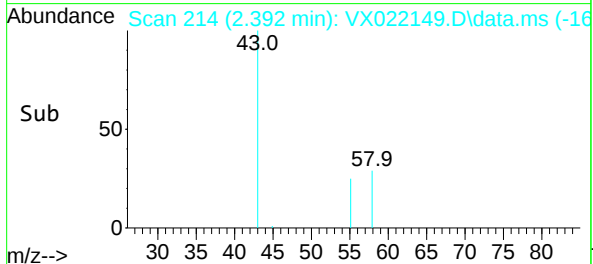
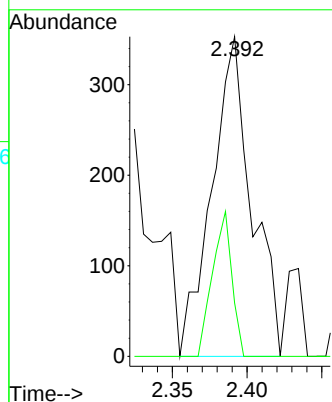
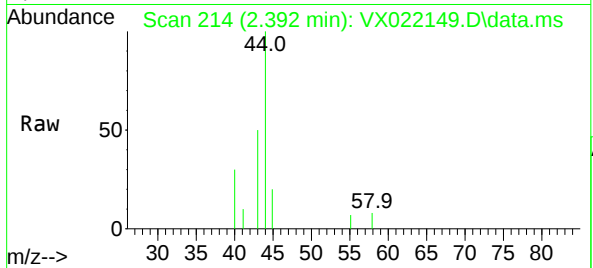




#16
Acetone
Concen: 1.39 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

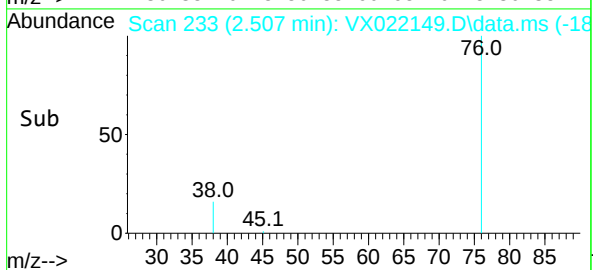
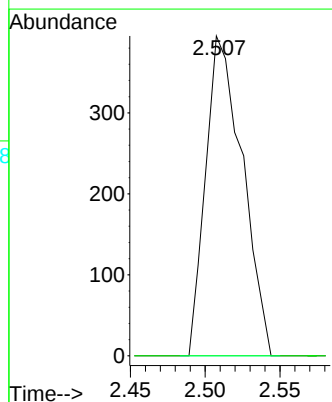
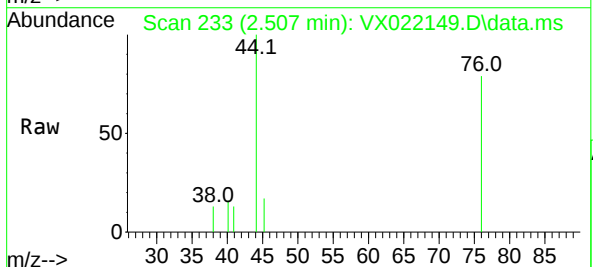
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

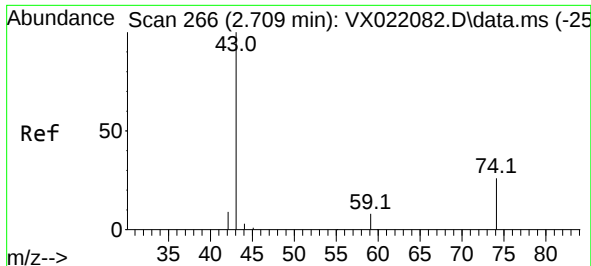
Tgt Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
58 16.7 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 76 Resp: 674
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

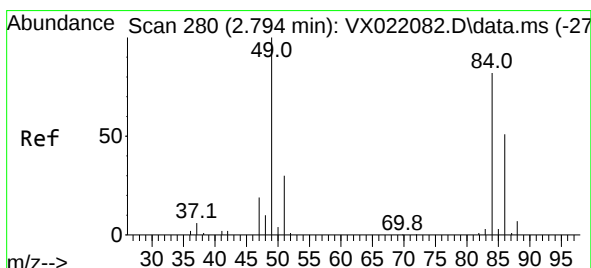
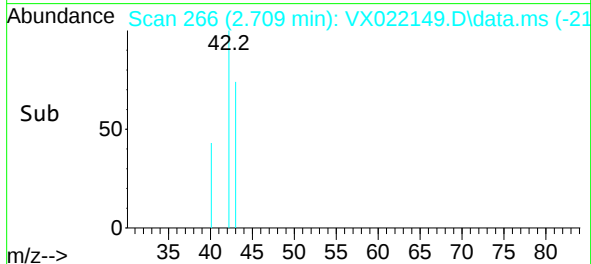
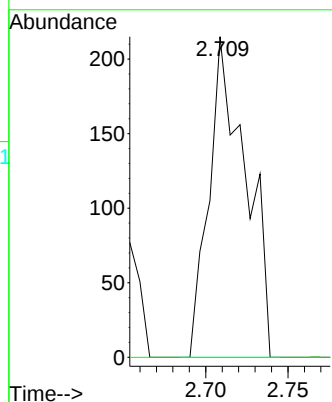
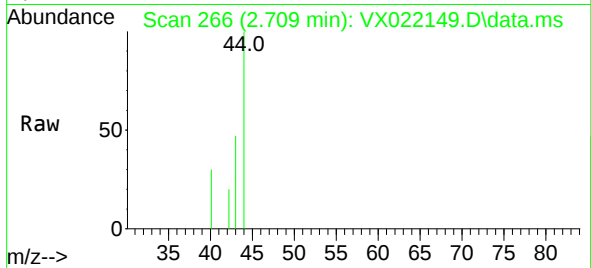




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

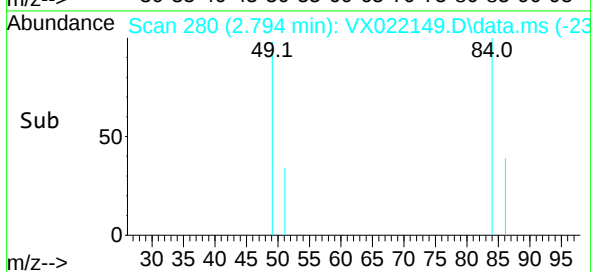
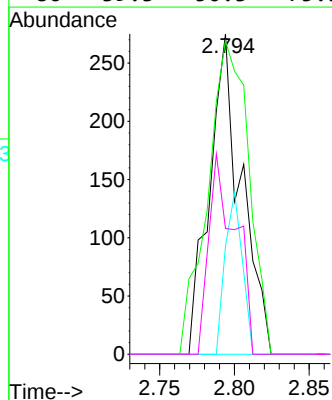
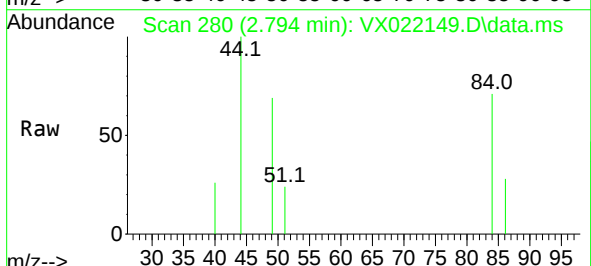
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

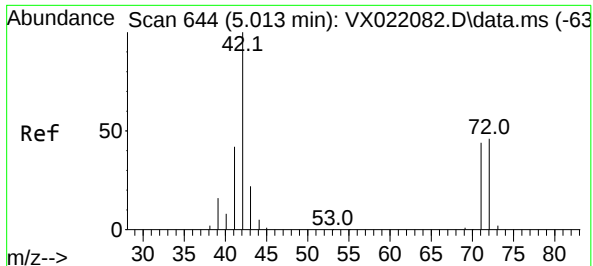
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 84 Resp: 408
Ion Ratio Lower Upper
84 100
49 97.8 88.6 132.8
51 33.8 27.0 40.6
86 39.3 50.3 75.5#





#29

Tetrahydrofuran

Concen: 0.75 ug/l

RT: 5.025 min Scan# 646

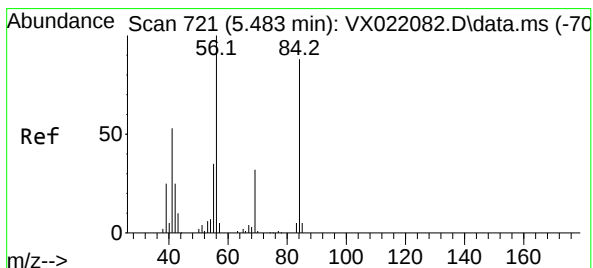
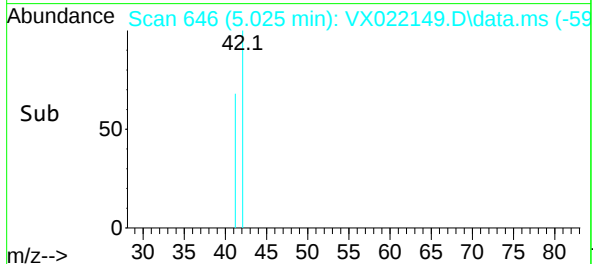
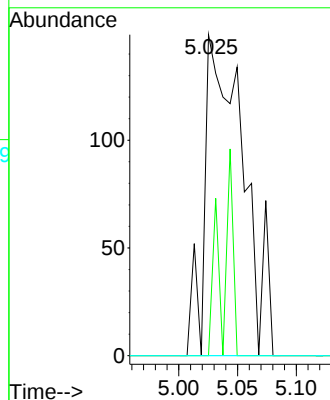
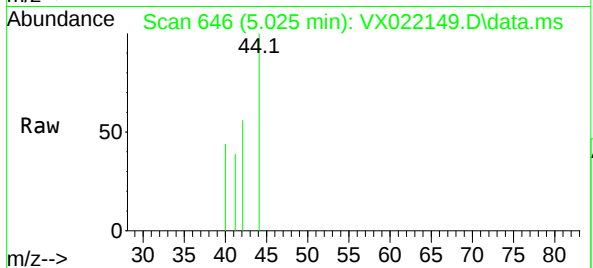
Delta R.T. 0.012 min

Lab File: VX022149.D

Acq: 24 May 2021 15:48

Tgt Ion:	42	Resp:	341
Ion	Ratio	Lower	Upper
42	100		
72	7.9	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520



#31

Cyclohexane

Concen: 1.27 ug/l

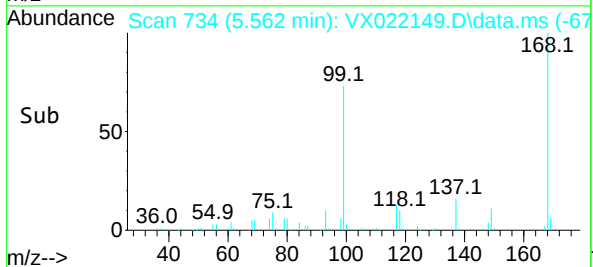
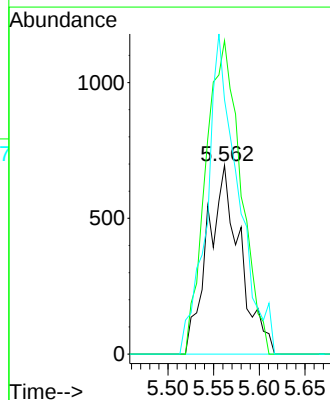
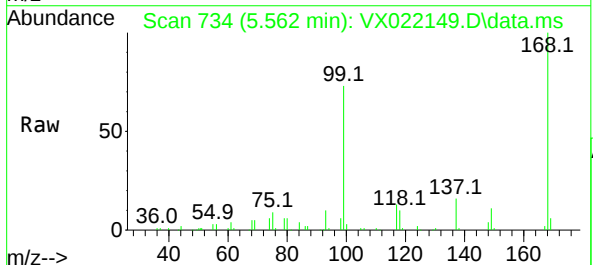
RT: 5.562 min Scan# 734

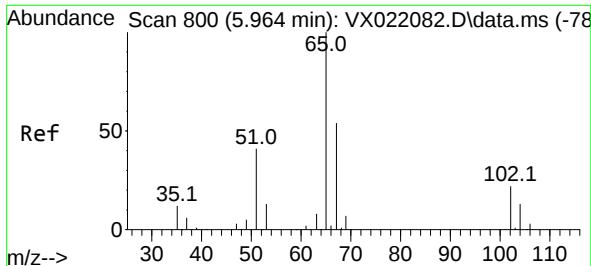
Delta R.T. 0.079 min

Lab File: VX022149.D

Acq: 24 May 2021 15:48

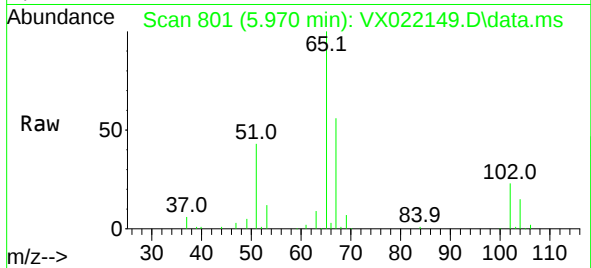
Tgt Ion:	56	Resp:	1720
Ion	Ratio	Lower	Upper
56	100		
69	166.0	25.3	37.9#
84	134.8	71.4	107.0#



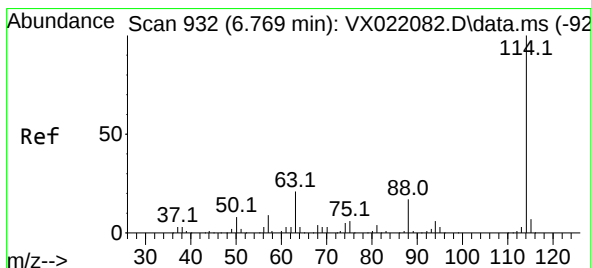
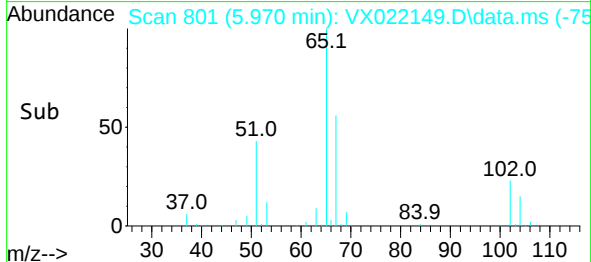
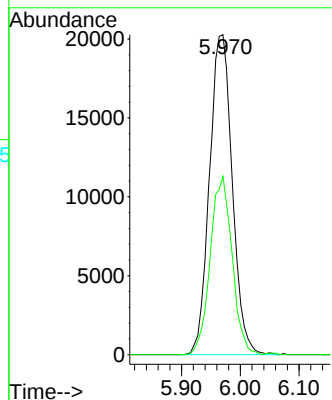


#33
1,2-Dichloroethane-d4
Concen: 50.47 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

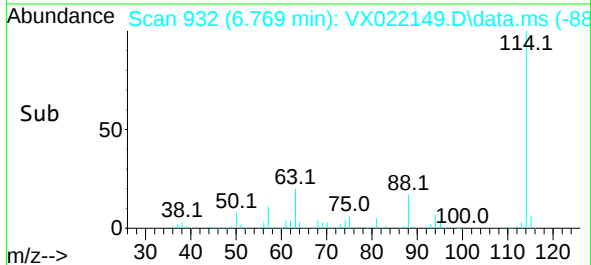
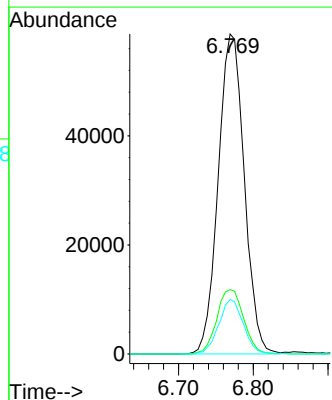
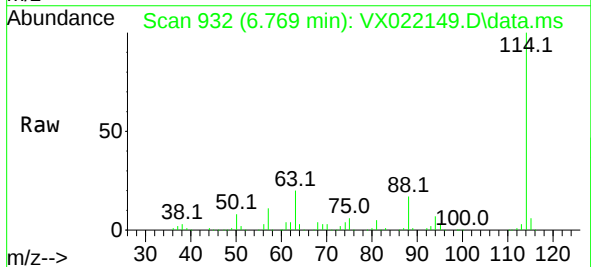


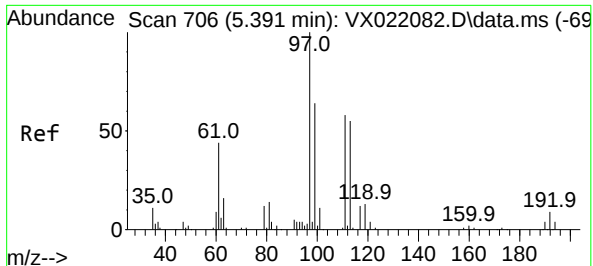
Tgt Ion: 65 Resp: 54599
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 114 Resp: 142444
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.22 ug/l

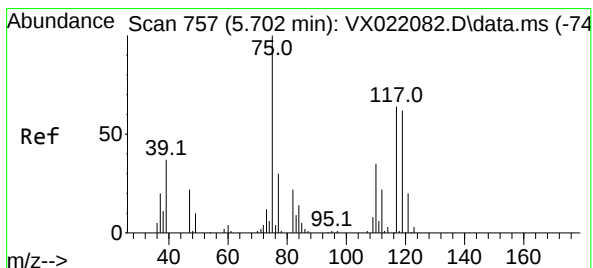
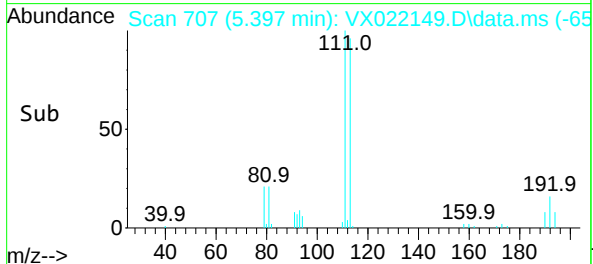
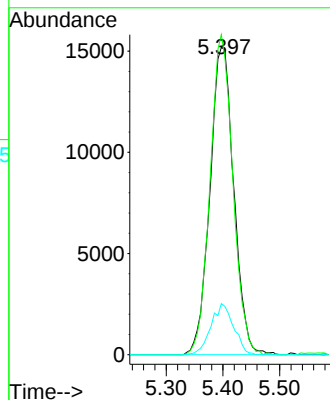
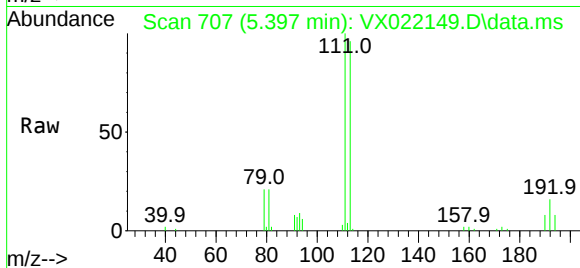
RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022149.D

Acq: 24 May 2021 15:48

Tgt Ion:	113	Resp:	44463
Ion	Ratio	Lower	Upper
113	100		
111	99.5	81.9	122.9
192	15.7	16.7	25.1#



#36

1,1-Dichloropropene

Concen: 4.96 ug/l

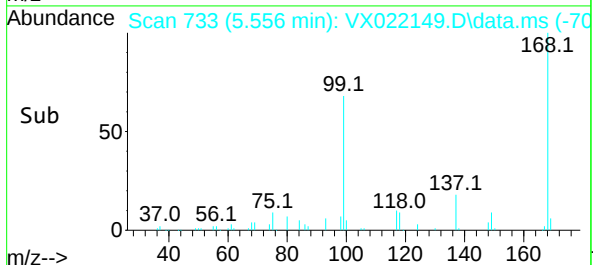
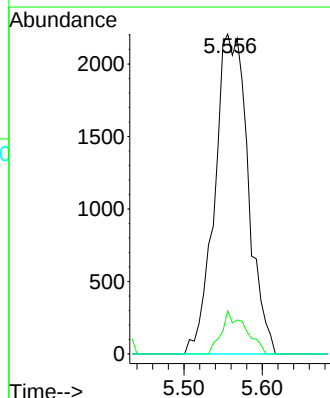
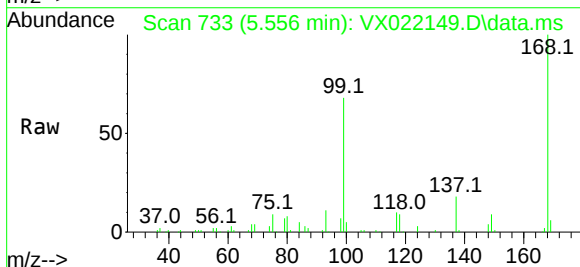
RT: 5.556 min Scan# 733

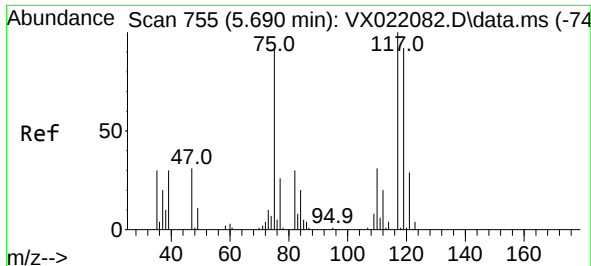
Delta R.T. -0.146 min

Lab File: VX022149.D

Acq: 24 May 2021 15:48

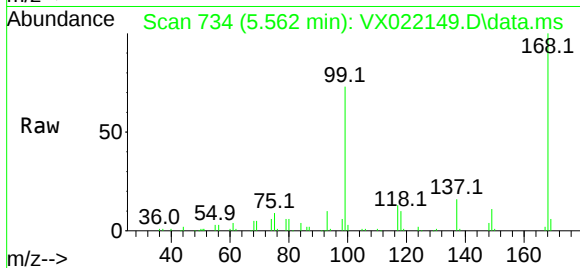
Tgt Ion:	75	Resp:	6533
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.4#
77	0.0	25.3	37.9#



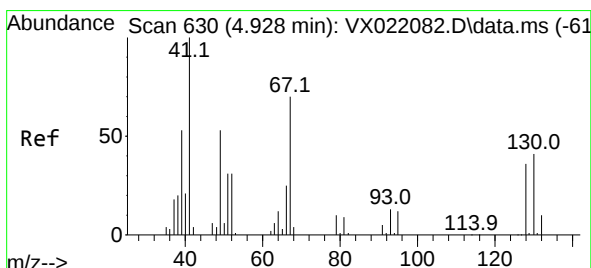
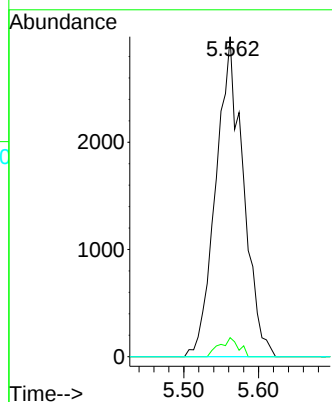
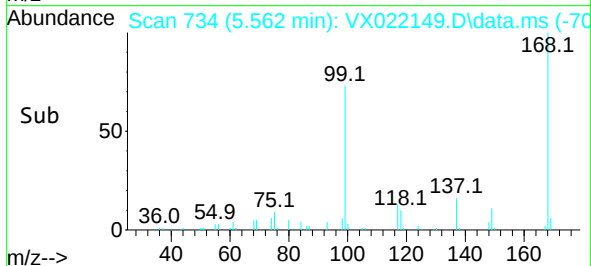


#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

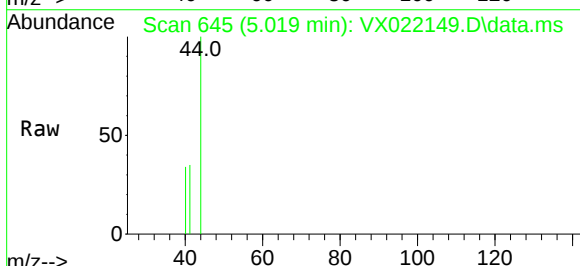
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520



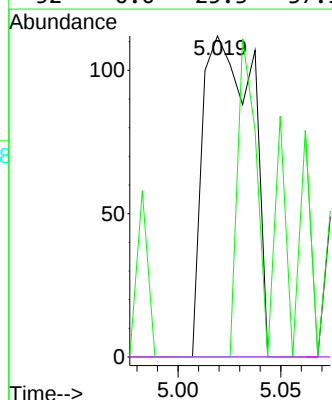
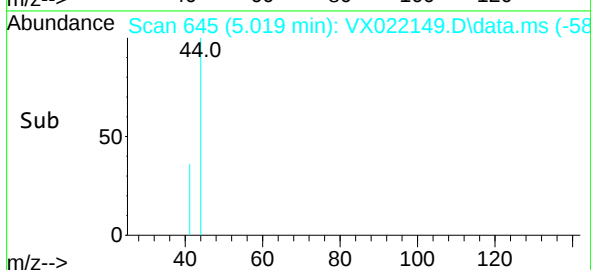
Tgt Ion: 117 Resp: 7581
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#

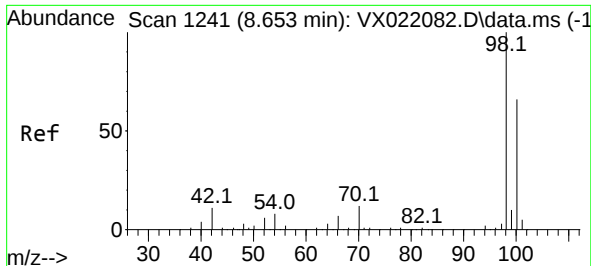


#41
Methacrylonitrile
Concen: 0.22 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48



Tgt Ion: 41 Resp: 186
Ion Ratio Lower Upper
41 100
39 37.6 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

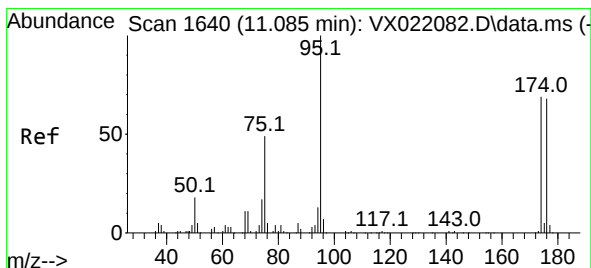
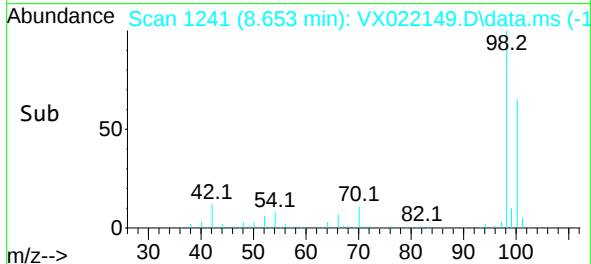
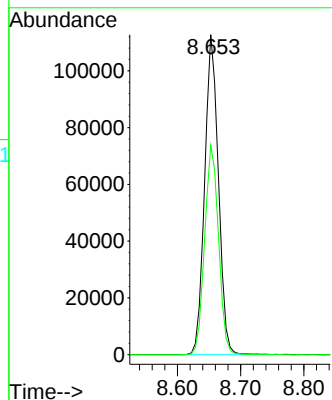
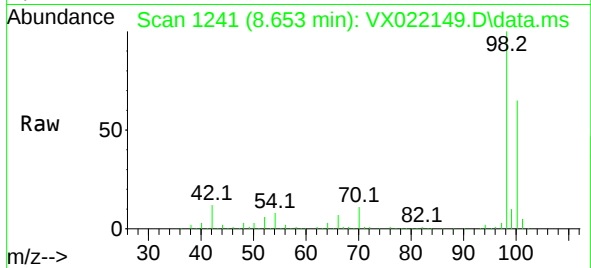




#50
Toluene-d8
Concen: 49.10 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

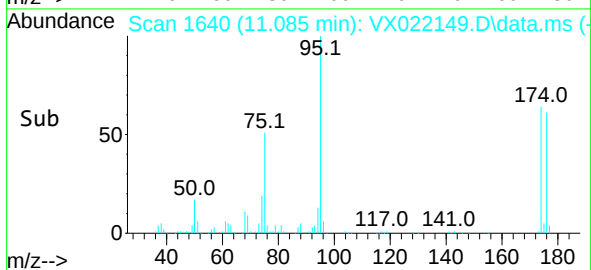
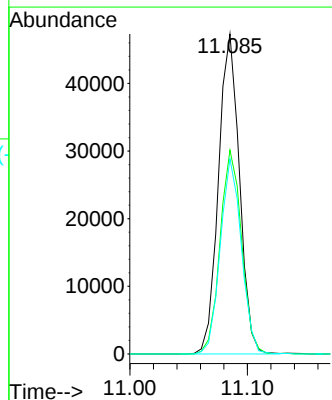
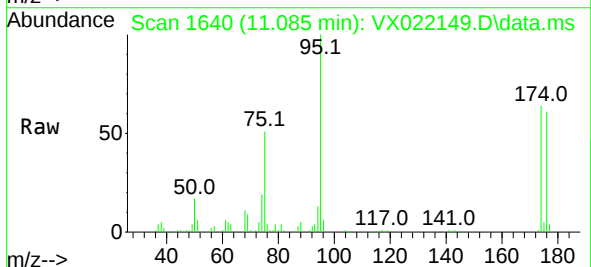
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

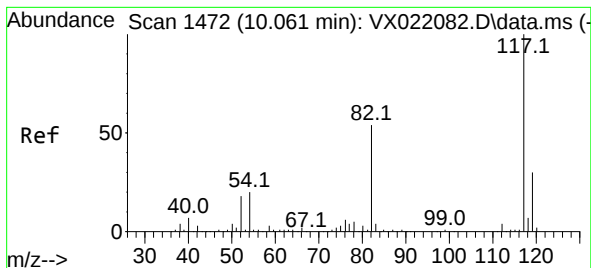
Tgt Ion: 98 Resp: 170841
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.68 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 95 Resp: 58754
Ion Ratio Lower Upper
95 100
174 65.3 0.0 154.6
176 61.1 0.0 155.8

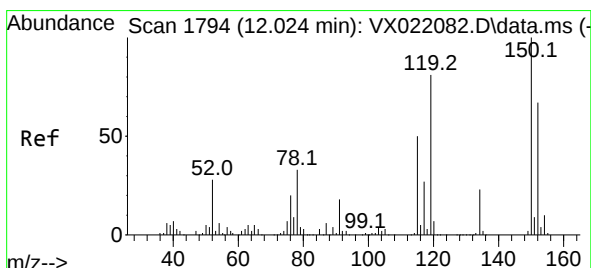
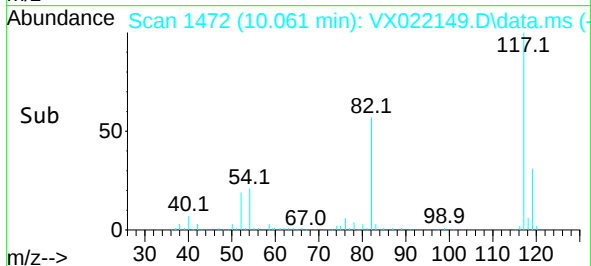
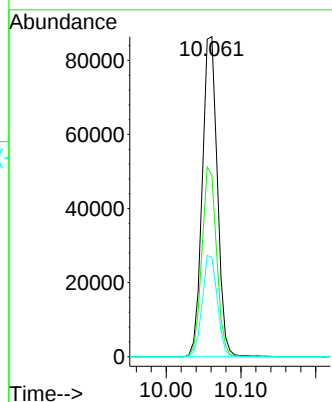
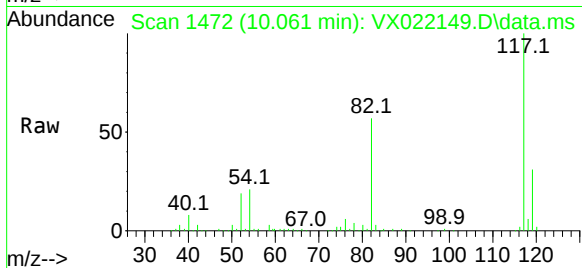




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

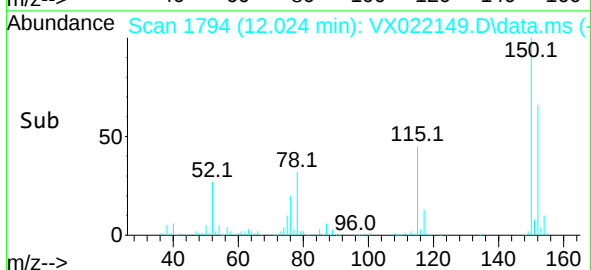
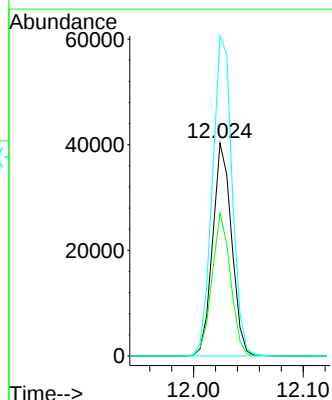
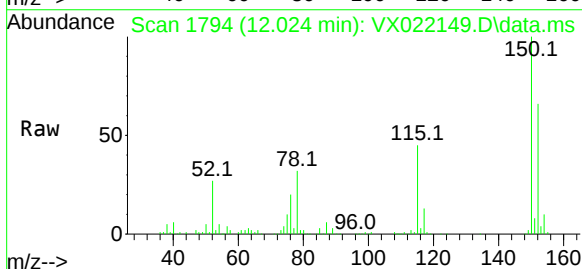
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

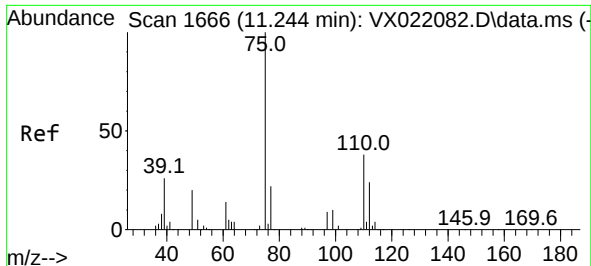
Tgt Ion:117 Resp: 121144
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion:152 Resp: 48373
Ion Ratio Lower Upper
152 100
115 65.8 41.1 123.3
150 156.9 0.0 349.0

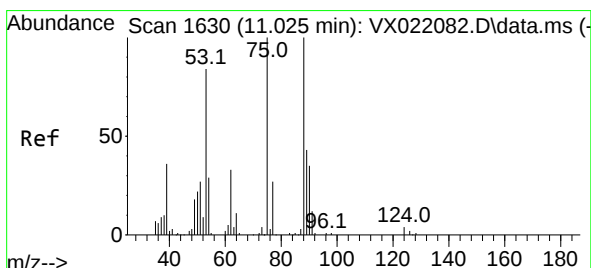
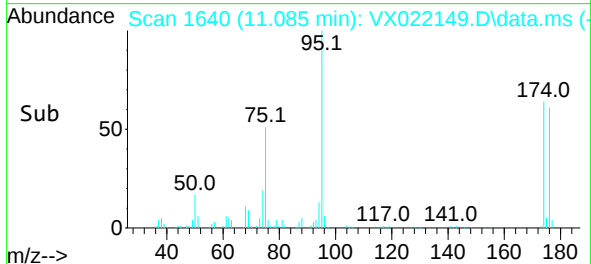
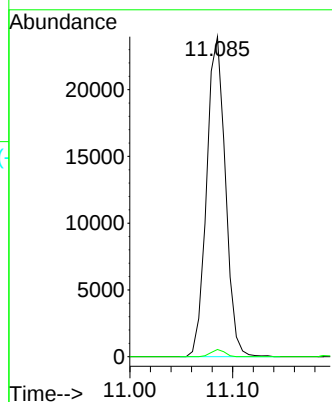
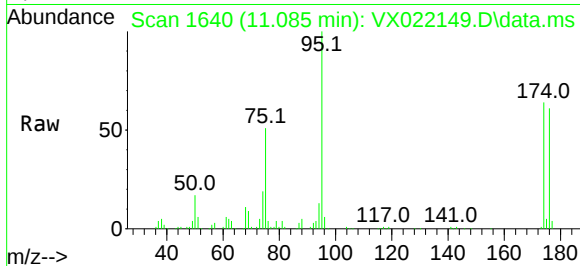




#76
1,2,3-Trichloropropane
Concen: 25.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

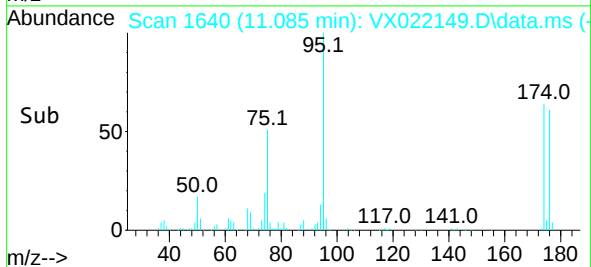
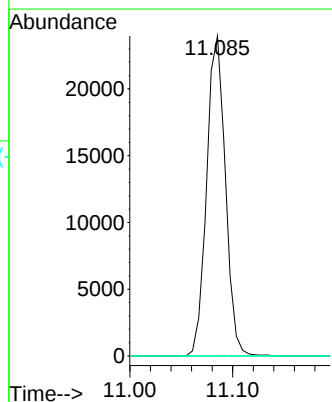
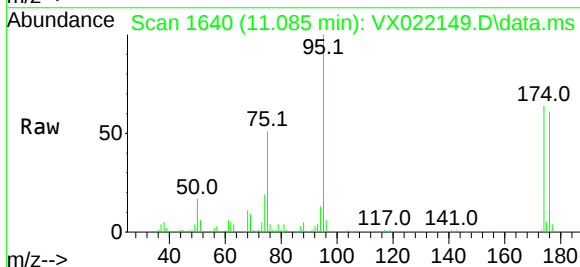
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

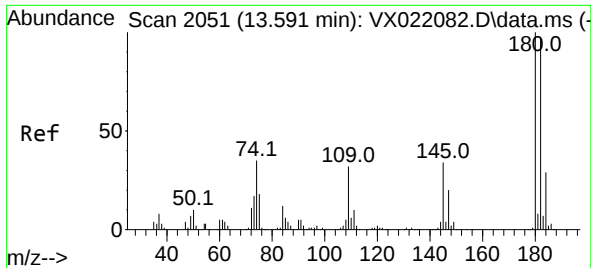
Tgt Ion: 75 Resp: 30404
Ion Ratio Lower Upper
75 100
77 1.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.37 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion: 75 Resp: 30404
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

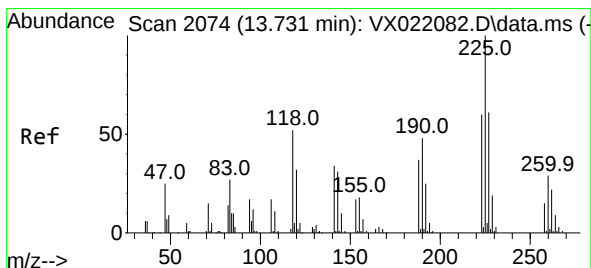
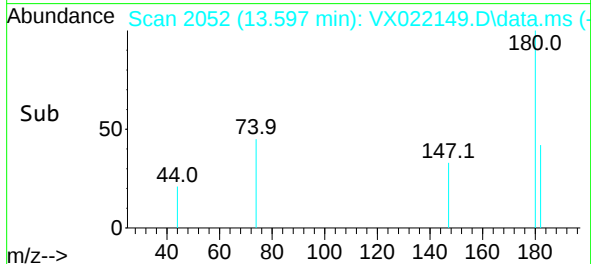
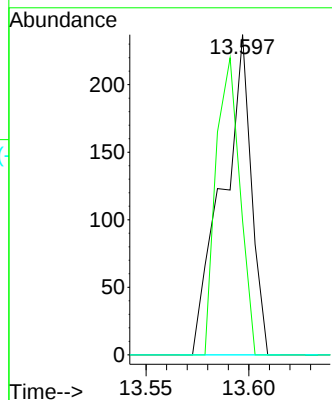
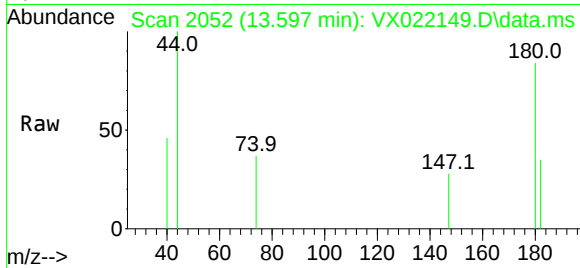




#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-TB-20210520

Tgt Ion:180 Resp: 230
Ion Ratio Lower Upper
180 100
182 77.0 47.7 143.1
145 0.0 15.0 45.0#



#94
Hexachlorobutadiene
Concen: 0.25 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.006 min
Lab File: VX022149.D
Acq: 24 May 2021 15:48

Tgt Ion:225 Resp: 94
Ion Ratio Lower Upper
225 100
223 46.8 31.1 93.2
227 0.0 31.6 95.0#

