

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022114.D
 Acq On : 21 May 2021 14:50
 Operator : JC/MD
 Sample : M2472-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW8-GW-898-900

Quant Time: May 22 04:54:58 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	74462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	148025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	130643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51405	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	57928	50.43	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.86%
35) Dibromofluoromethane	5.397	113	46619	49.66	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.32%
50) Toluene-d8	8.653	98	179357	49.60	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.20%
62) 4-Bromofluorobenzene	11.085	95	62474	46.74	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.48%

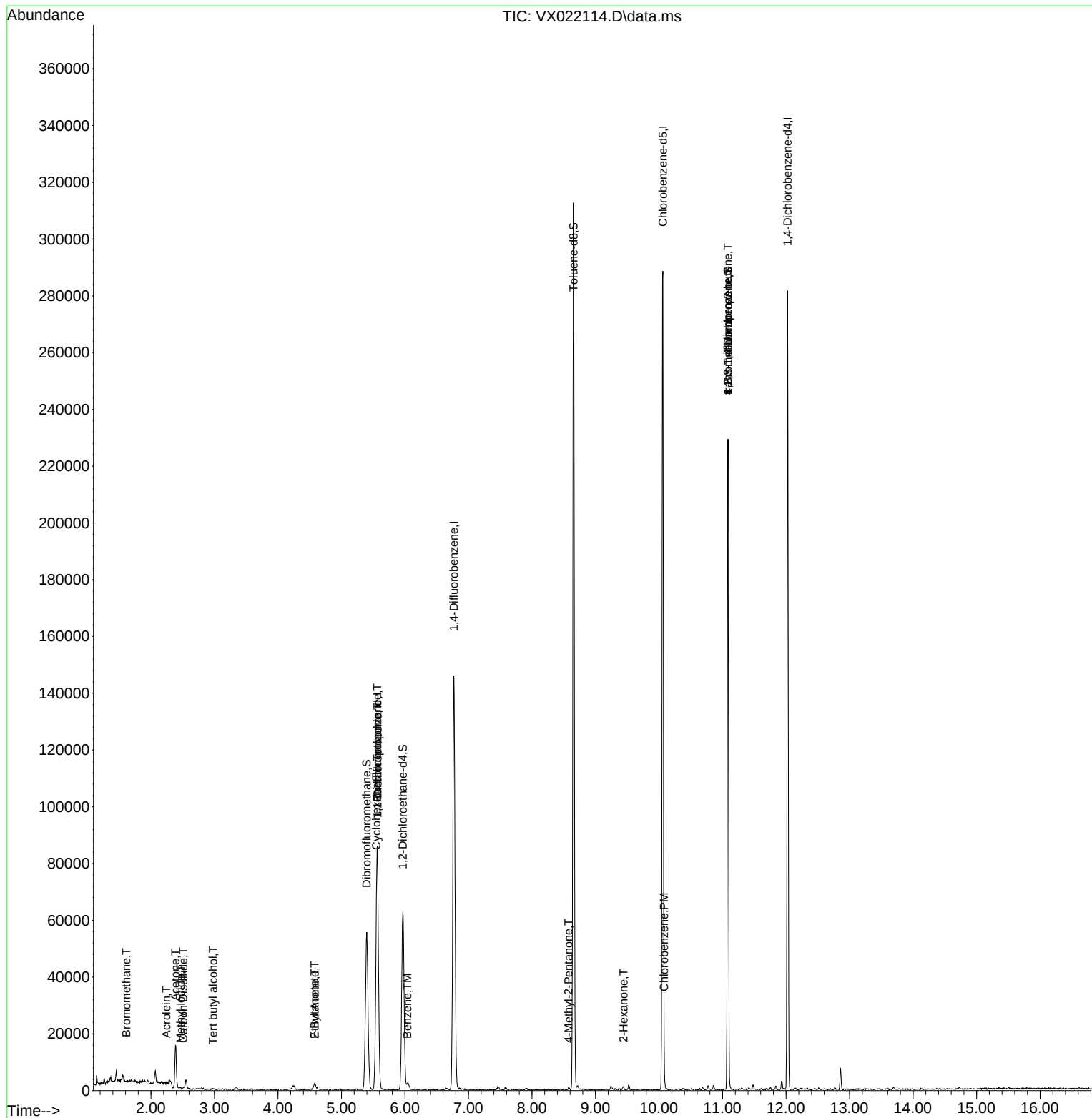
Target Compounds						Qvalue
5) Bromomethane	1.611	94	184	0.31	ug/l #	39
10) Methyl Iodide	2.465	142	268	0.28	ug/l #	87
11) Tert butyl alcohol	2.977	59	416	1.58	ug/l #	92
13) Acrolein	2.239	56	90	0.52	ug/l #	1
16) Acetone	2.386	43	16337	32.66	ug/l	94
17) Carbon Disulfide	2.508	76	485	0.22	ug/l #	75
25) 2-Butanone	4.574	43	4190	5.18	ug/l #	83
31) Cyclohexane	5.550	56	944	0.65	ug/l #	27
36) 1,1-Dichloropropene	5.568	75	6671	4.87	ug/l #	48
37) Ethyl Acetate	4.574	43	4190	2.50	ug/l #	64
38) Carbon Tetrachloride	5.562	117	8431	6.30	ug/l #	16
40) Benzene	6.037	78	2635	0.63	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	532	0.32	ug/l #	73
59) 2-Hexanone	9.439	43	666	0.54	ug/l	97
65) Chlorobenzene	10.079	112	1065	0.39	ug/l	90
76) 1,2,3-Trichloropropane	11.085	75	32162	25.36	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	32162	60.09	ug/l #	12

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

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MSVOA_X
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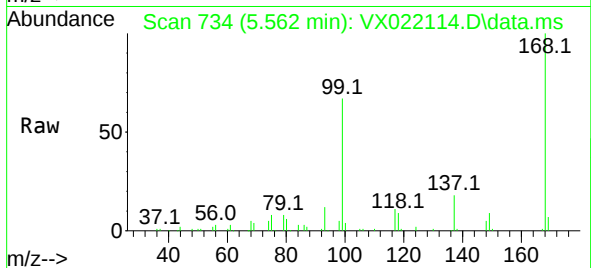
Quant Time: May 22 04:54:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



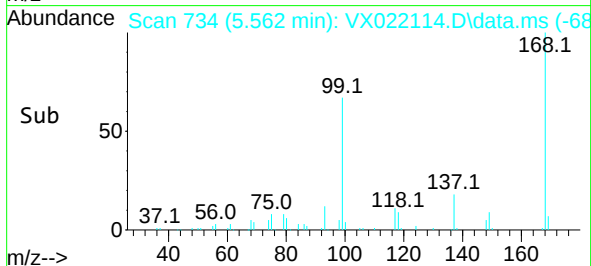
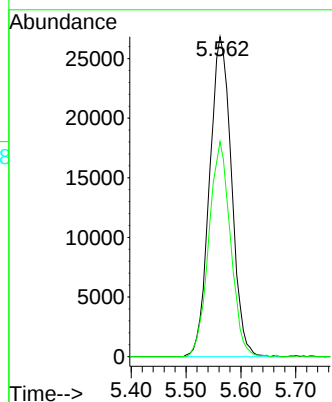


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

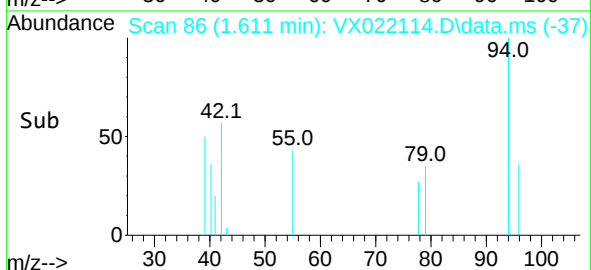
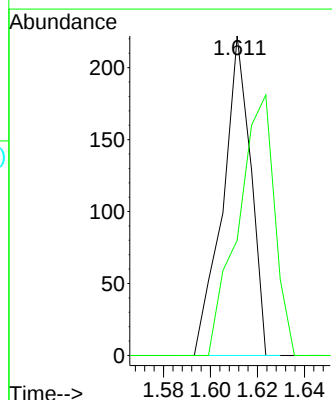
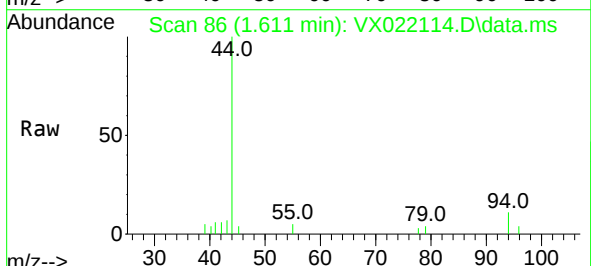


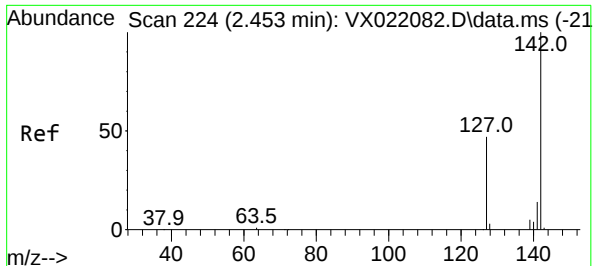
Tgt Ion:168 Resp: 74462
Ion Ratio Lower Upper
168 100
99 67.2 45.8 68.6



#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

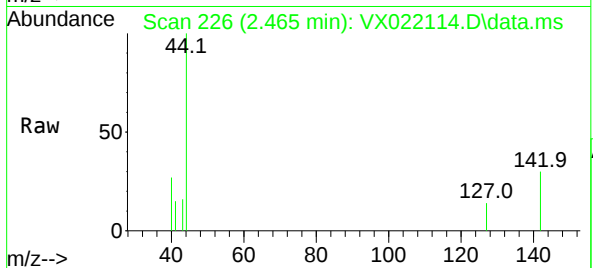
Tgt Ion: 94 Resp: 184
Ion Ratio Lower Upper
94 100
96 36.0 76.4 114.6#



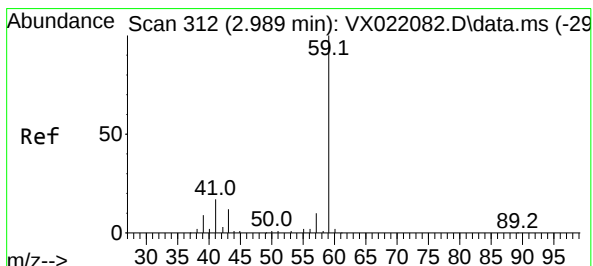
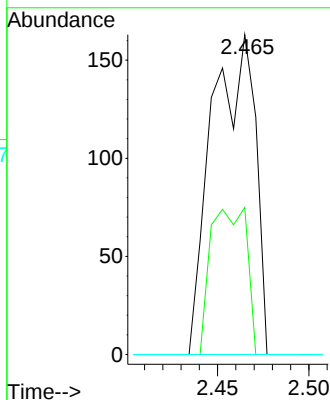
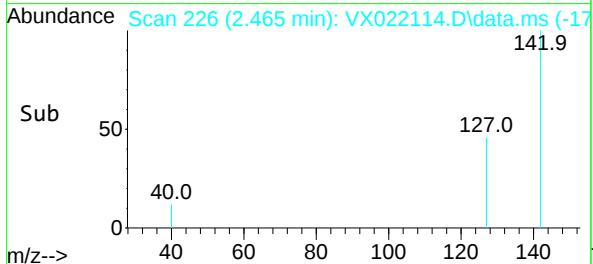


#10
Methyl Iodide
Concen: 0.28 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

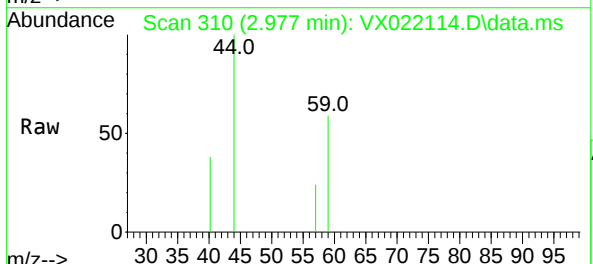
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900



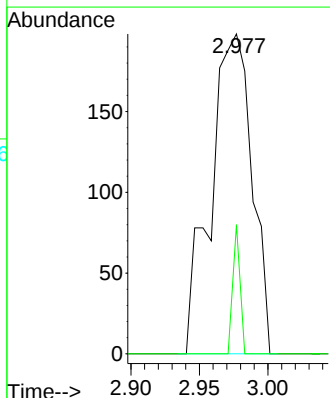
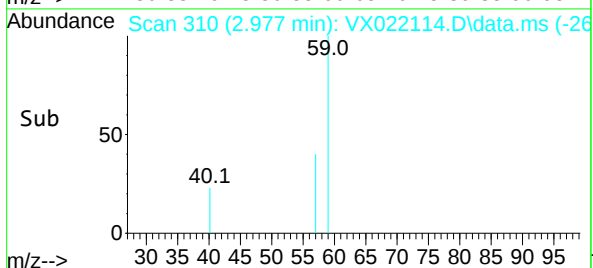
Tgt Ion:142 Resp: 268
Ion Ratio Lower Upper
142 100
127 38.4 33.3 49.9
141 0.0 11.4 17.0#

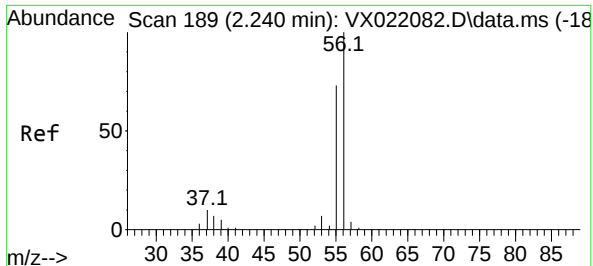


#11
Tert butyl alcohol
Concen: 1.58 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50



Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 7.0 7.8 11.8#

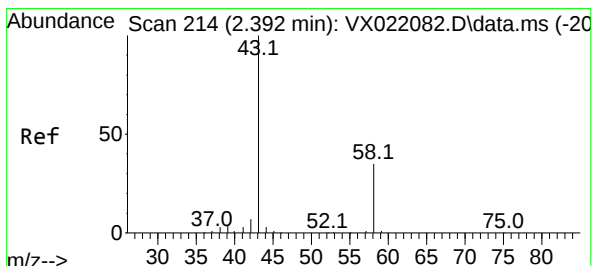
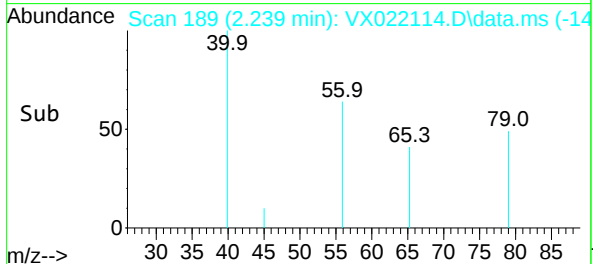
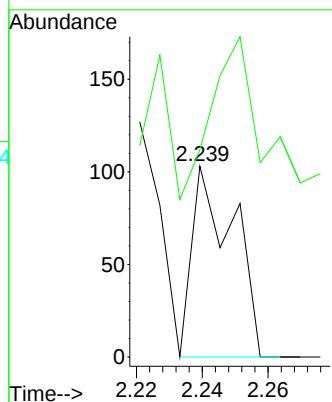
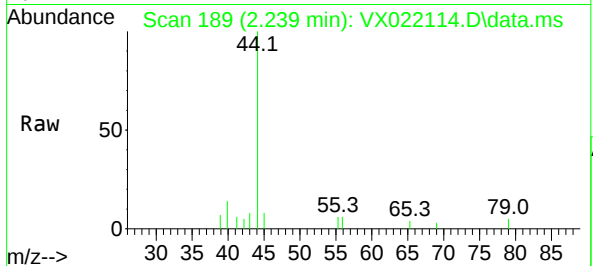




#13
Acrolein
Concen: 0.52 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

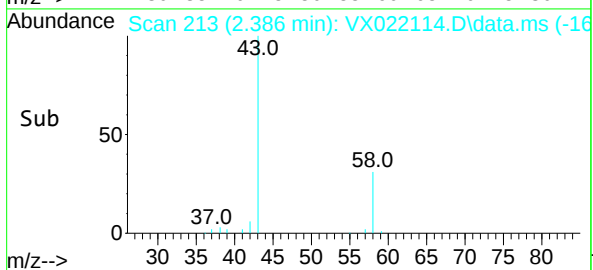
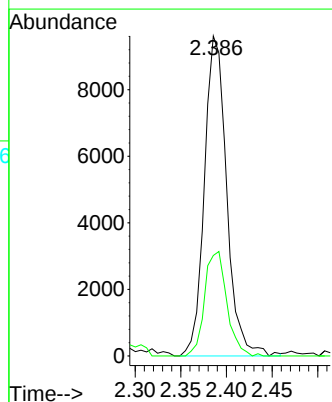
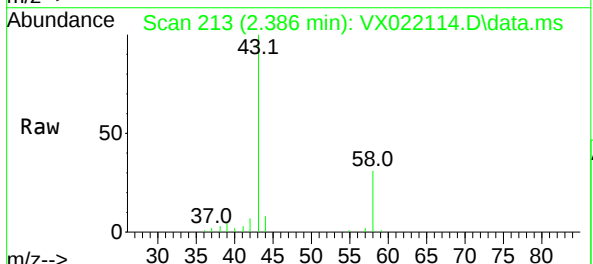
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

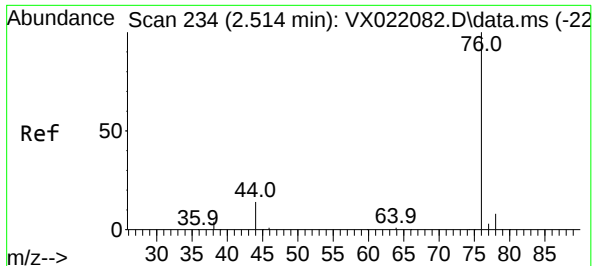
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 165.6 56.4 84.6#



#16
Acetone
Concen: 32.66 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

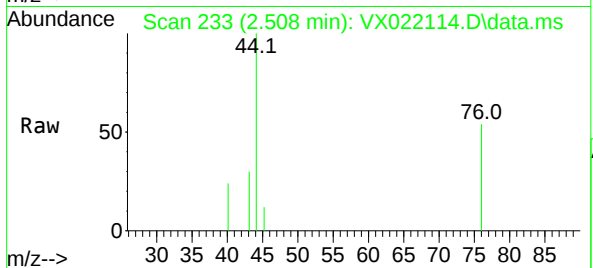
Tgt Ion: 43 Resp: 16337
Ion Ratio Lower Upper
43 100
58 31.4 27.8 41.8



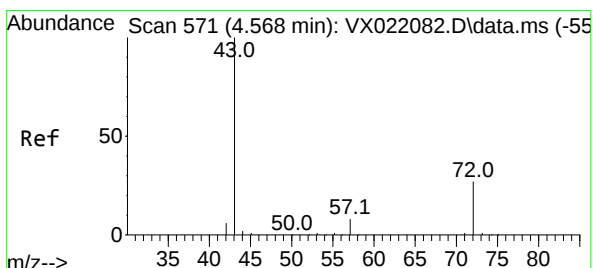
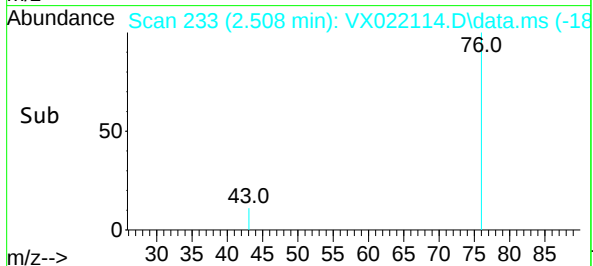
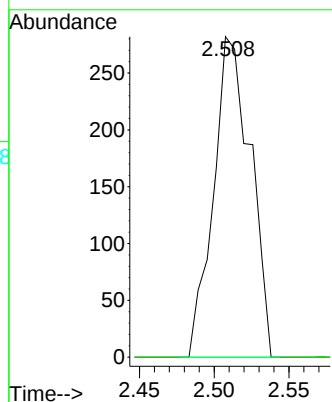


#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

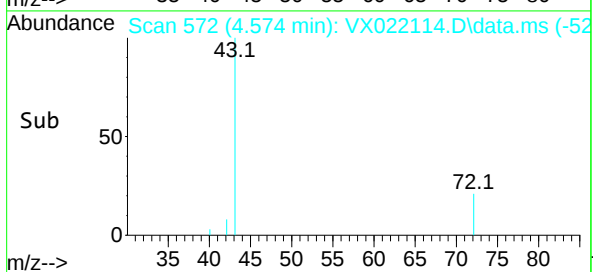
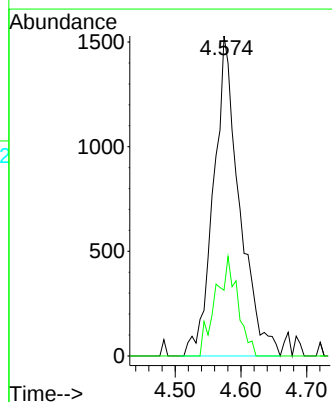
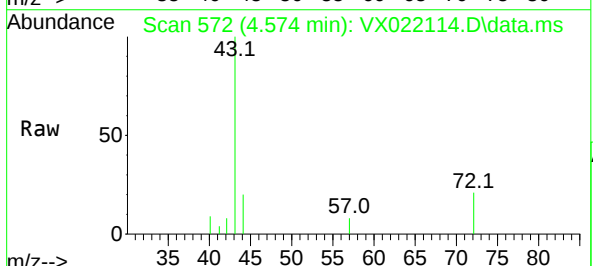


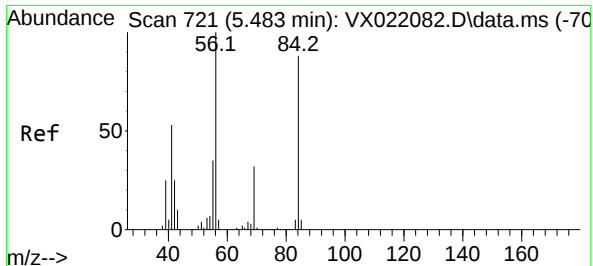
Tgt Ion: 76 Resp: 485
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#25
2-Butanone
Concen: 5.18 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
72 20.5 23.7 35.5#

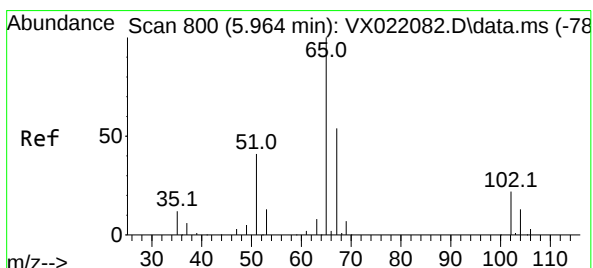
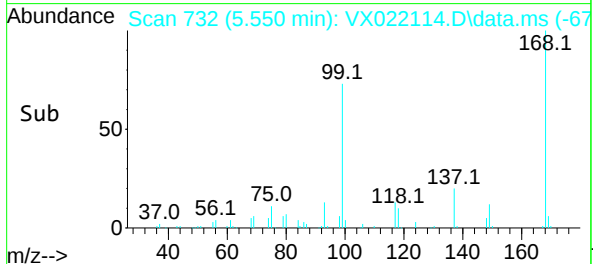
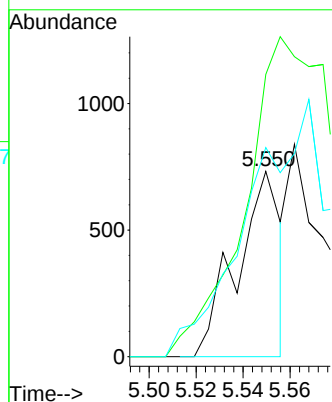
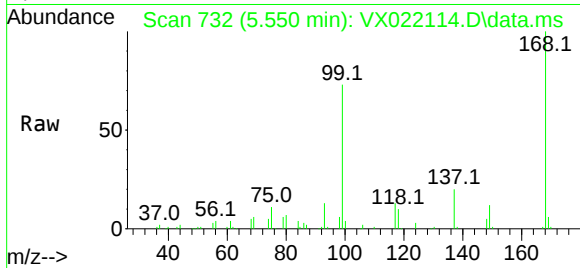




#31
Cyclohexane
Concen: 0.65 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.067 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

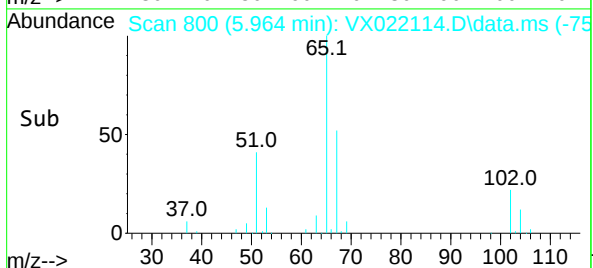
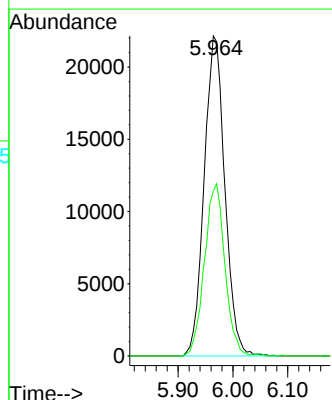
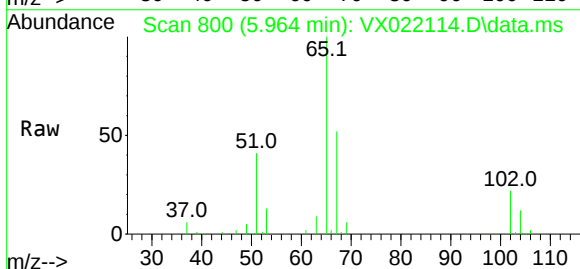
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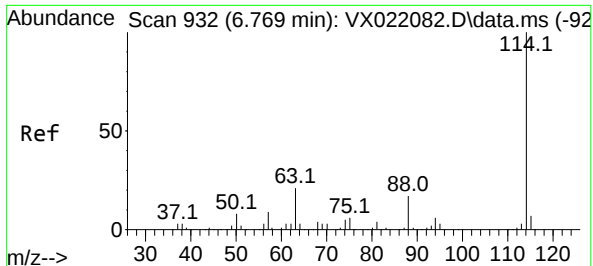
Tgt Ion: 56 Resp: 944
Ion Ratio Lower Upper
56 100
69 141.4 25.3 37.9#
84 115.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.43 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Tgt Ion: 65 Resp: 57928
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

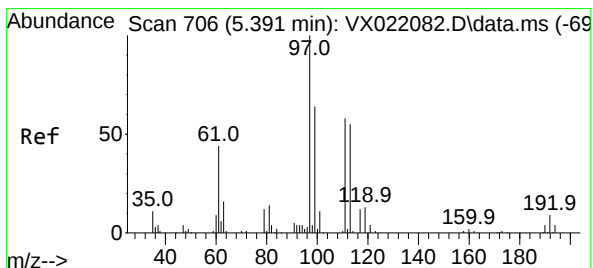
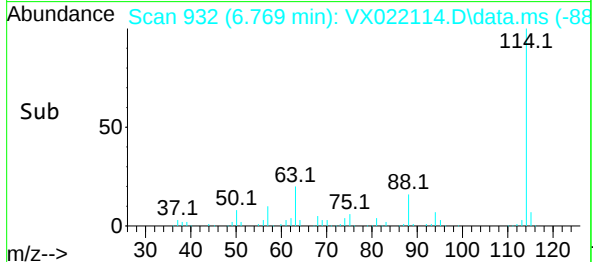
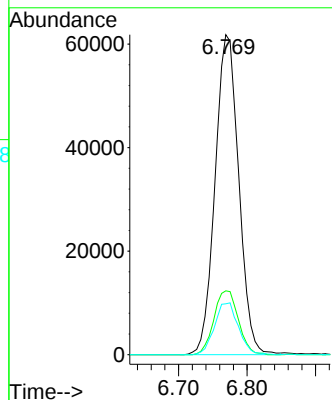
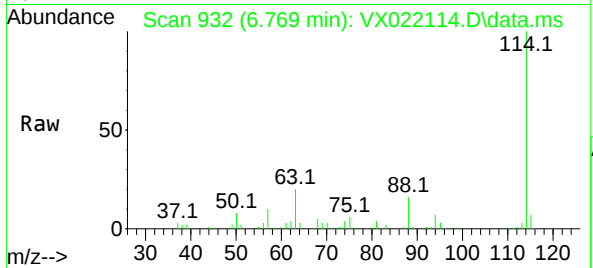




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

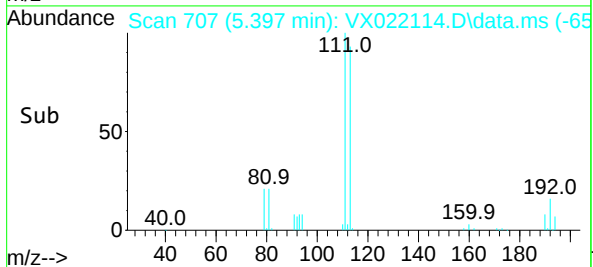
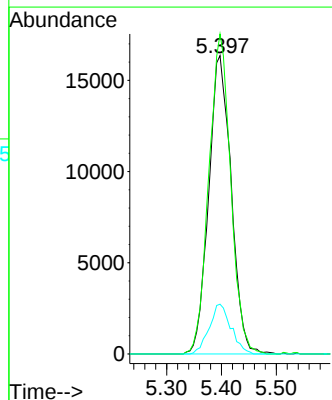
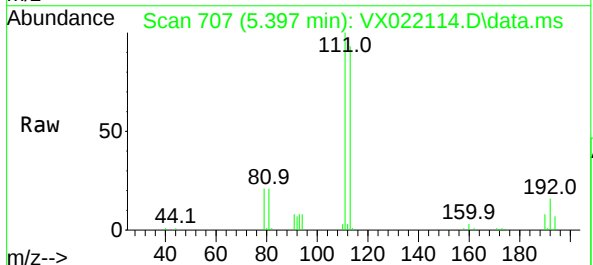
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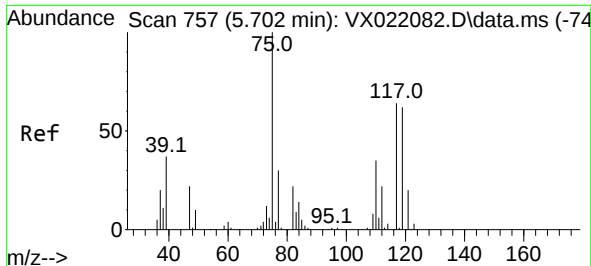
Tgt Ion:114	Resp:	148025
Ion Ratio	Lower	Upper
114	100	
63	20.0	0.0 40.8
88	15.9	0.0 32.8



#35
Dibromofluoromethane
Concen: 49.66 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

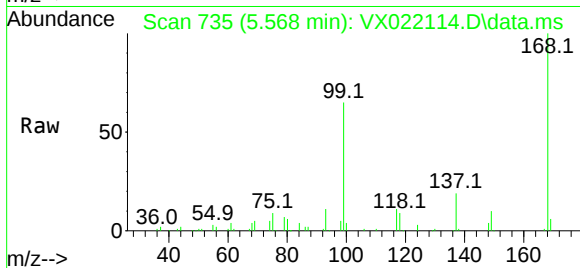
Tgt Ion:113	Resp:	46619
Ion Ratio	Lower	Upper
113	100	
111	104.0	81.9 122.9
192	16.1	16.7 25.1#



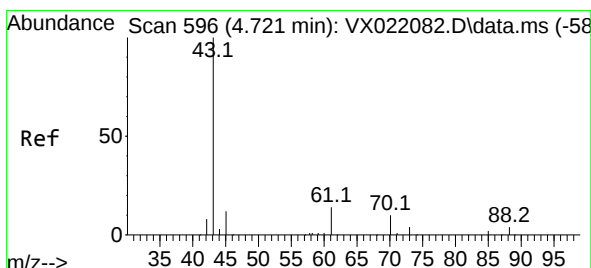
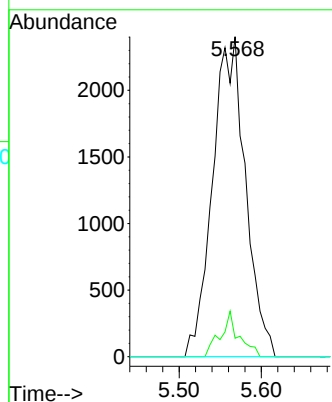
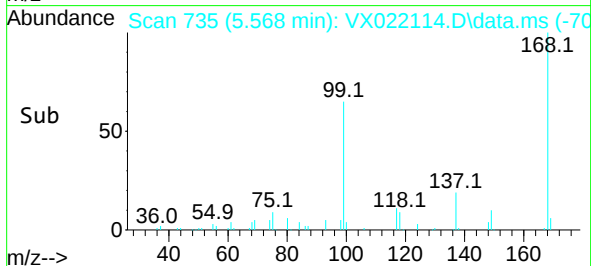


#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

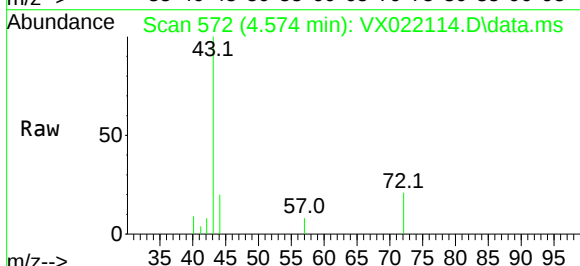
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900



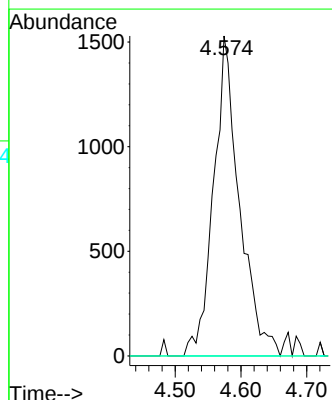
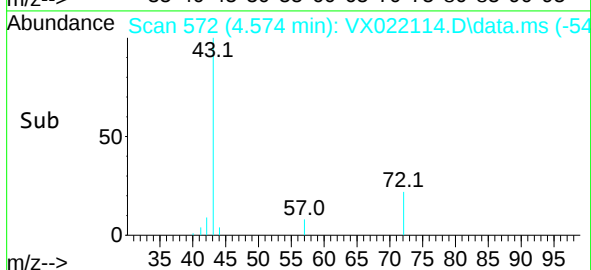
Tgt Ion: 75 Resp: 6671
Ion Ratio Lower Upper
75 100
110 7.9 18.1 54.4#
77 0.0 25.3 37.9#

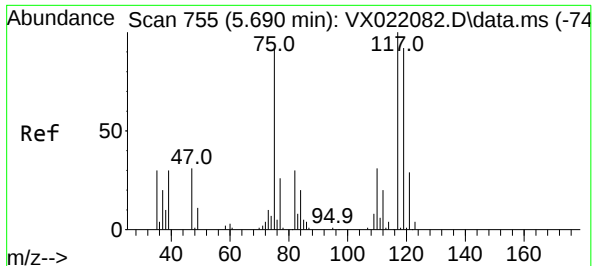


#37
Ethyl Acetate
Concen: 2.50 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.147 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50



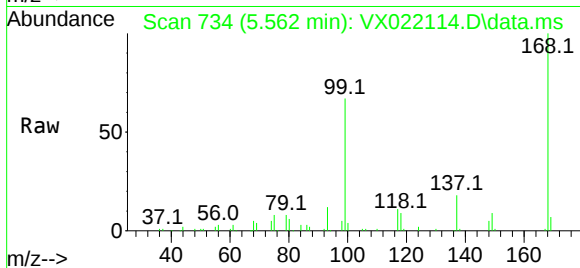
Tgt Ion: 43 Resp: 4190
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



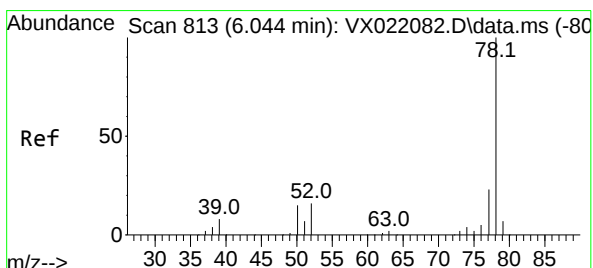
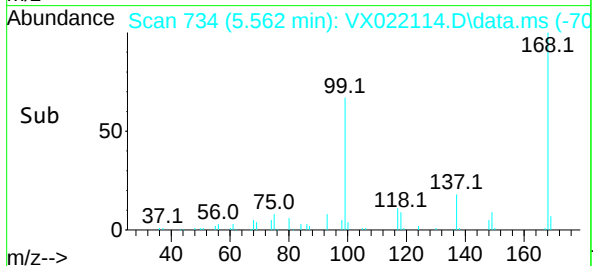
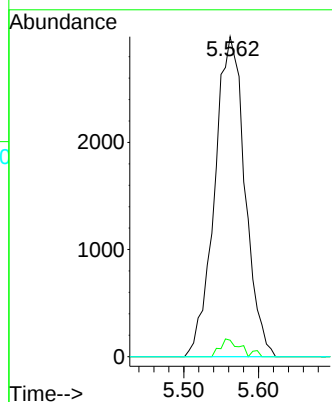


#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

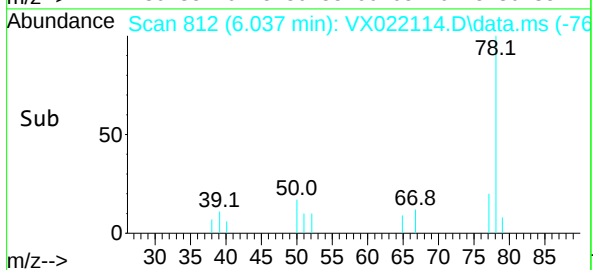
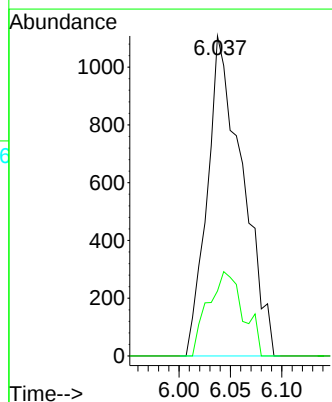
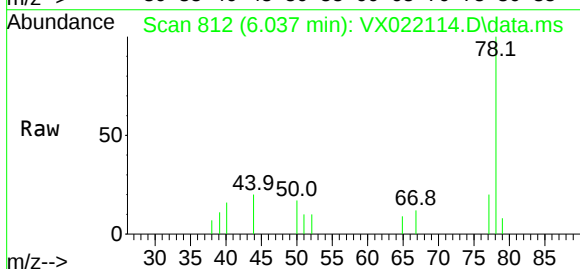


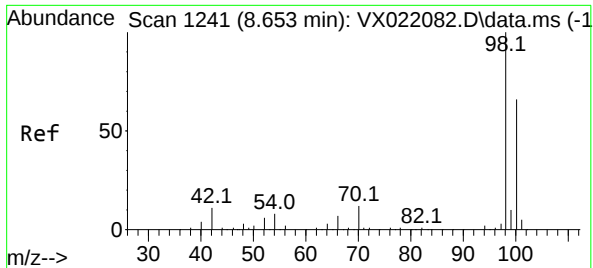
Tgt Ion:117 Resp: 8431
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.63 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.007 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Tgt Ion: 78 Resp: 2635
Ion Ratio Lower Upper
78 100
77 20.3 18.9 28.3

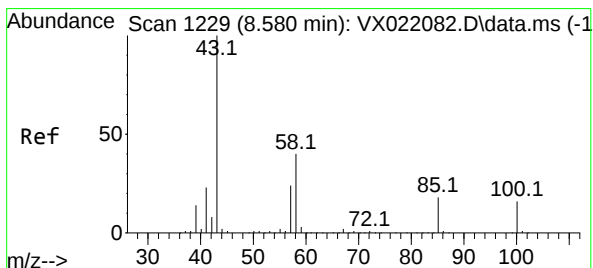
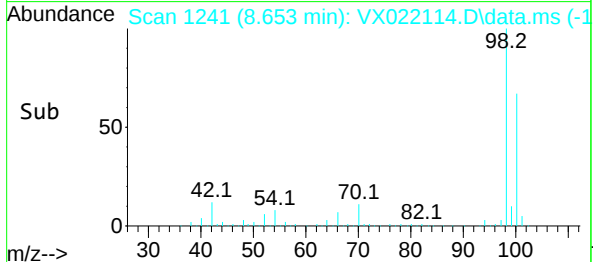
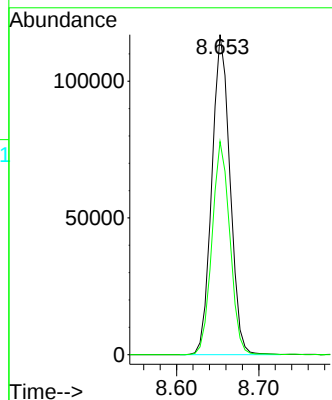
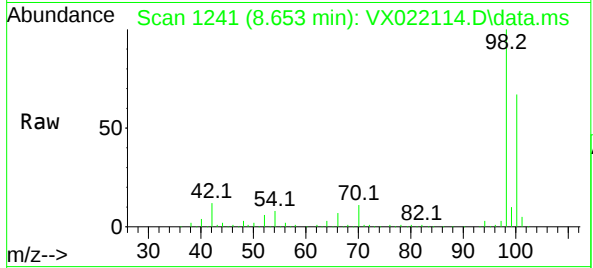




#50
Toluene-d8
Concen: 49.60 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

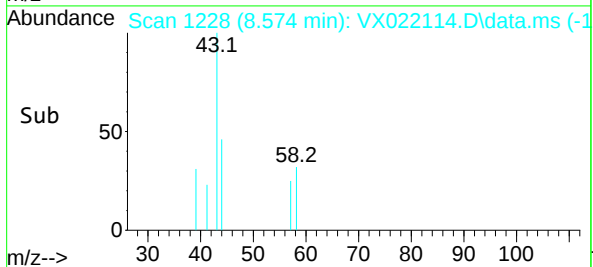
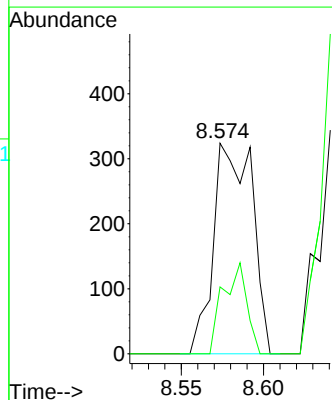
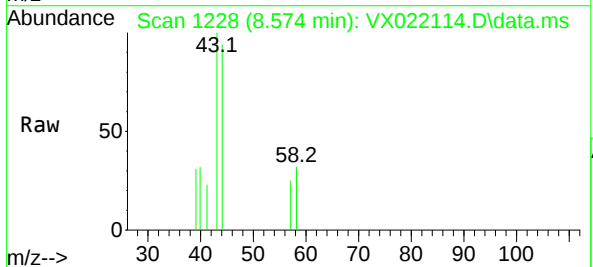
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

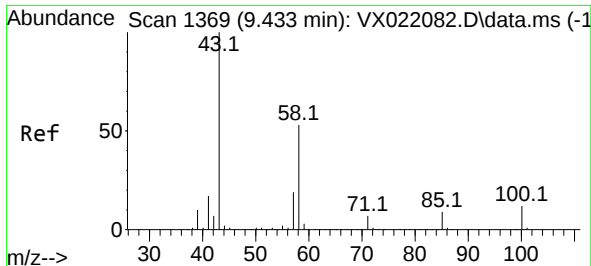
Tgt Ion: 98 Resp: 179357
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.32 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 26.5 35.4 53.0#

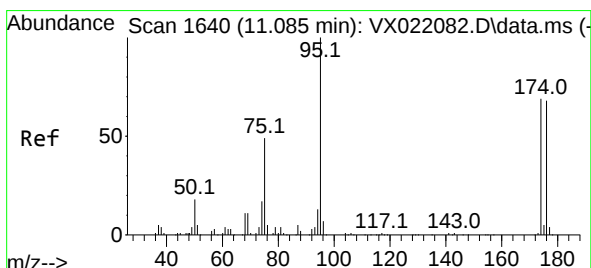
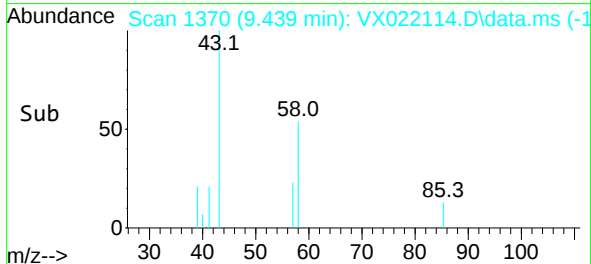
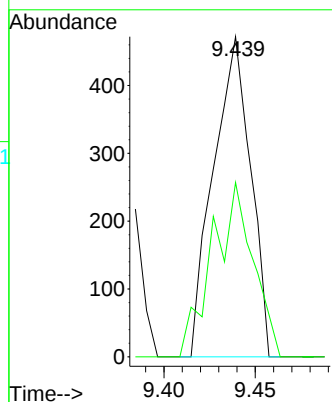
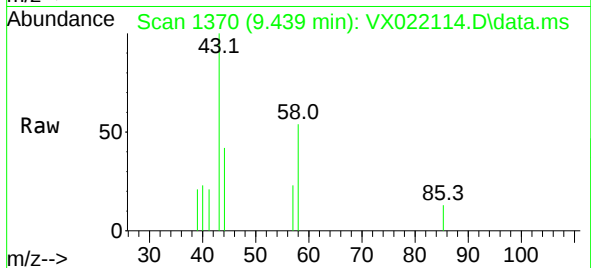




#59
2-Hexanone
Concen: 0.54 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

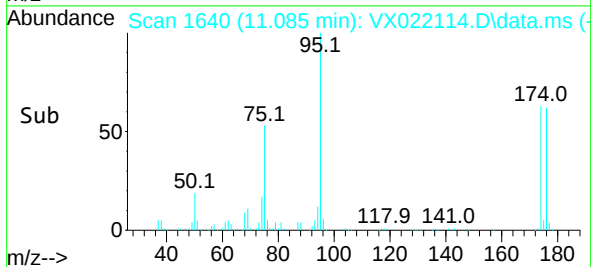
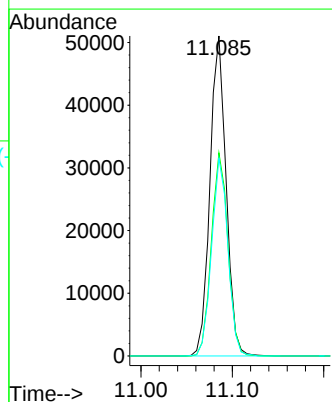
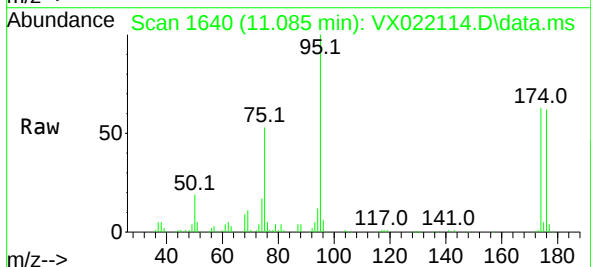
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

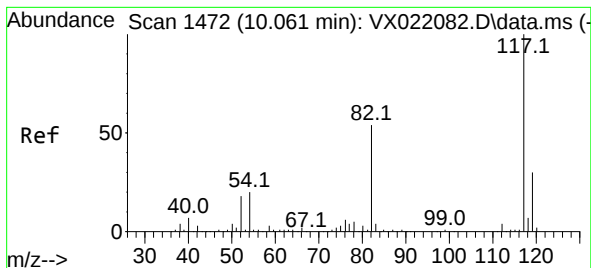
Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 59.9 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 46.74 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Tgt Ion: 95 Resp: 62474
Ion Ratio Lower Upper
95 100
174 65.0 0.0 154.6
176 62.2 0.0 155.8

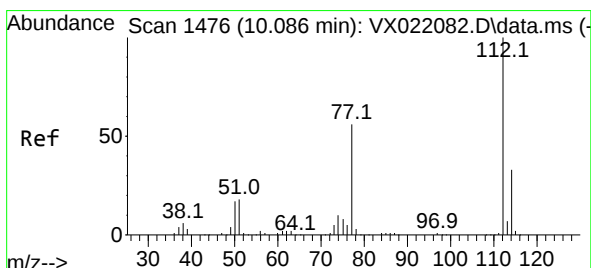
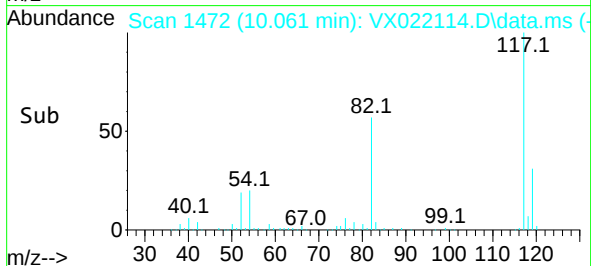
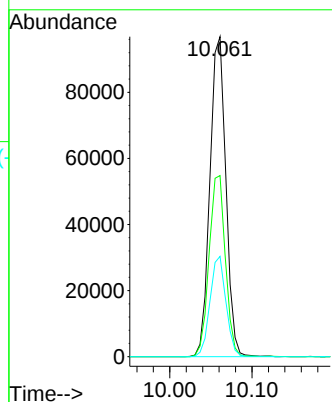
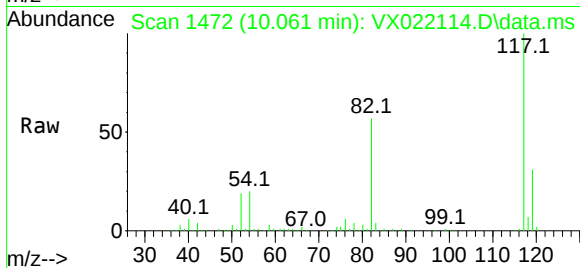




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

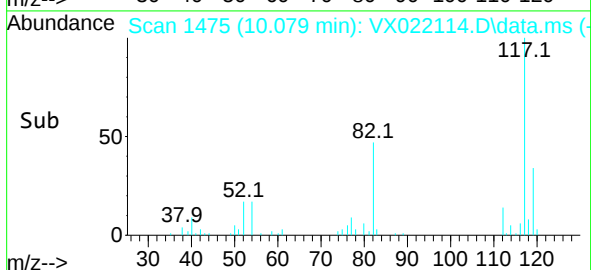
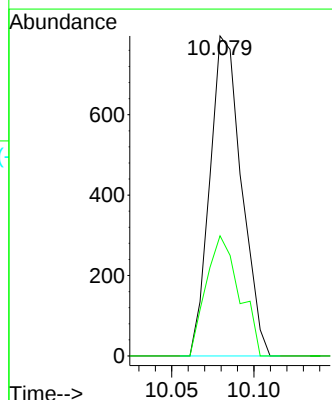
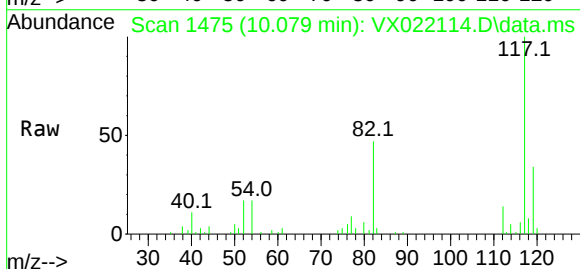
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW8-GW-898-900

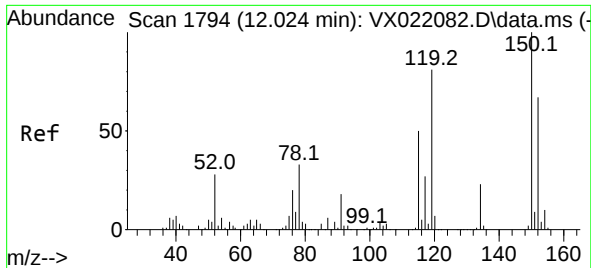
Tgt Ion:117 Resp: 130643
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.3 26.6 39.8



#65
Chlorobenzene
Concen: 0.39 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.007 min
Lab File: VX022114.D
Acq: 21 May 2021 14:50

Tgt Ion:112 Resp: 1065
Ion Ratio Lower Upper
112 100
114 37.6 25.8 38.6

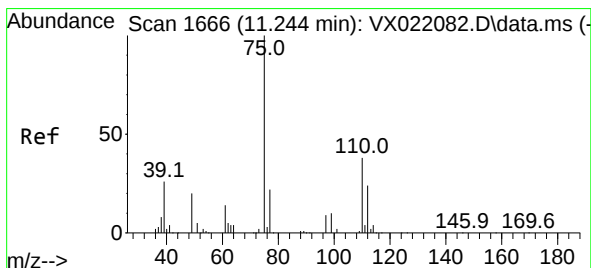
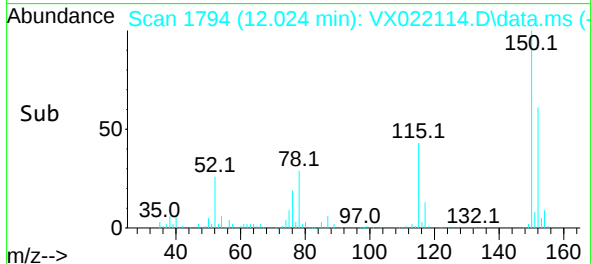
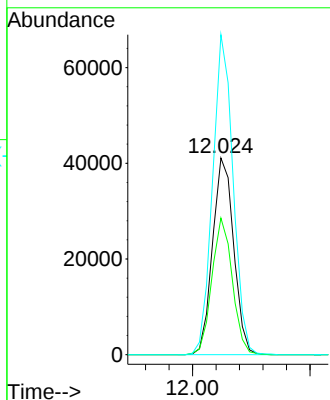
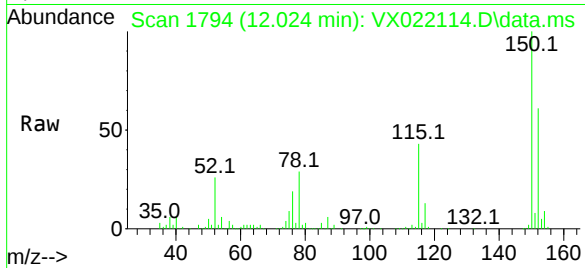




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022114.D
 Acq: 21 May 2021 14:50

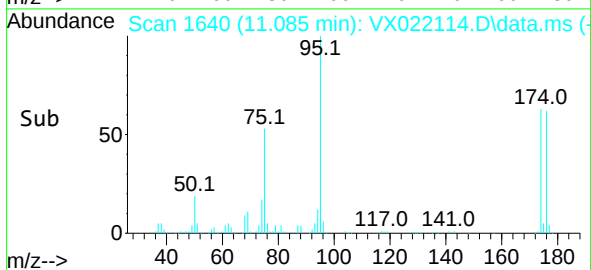
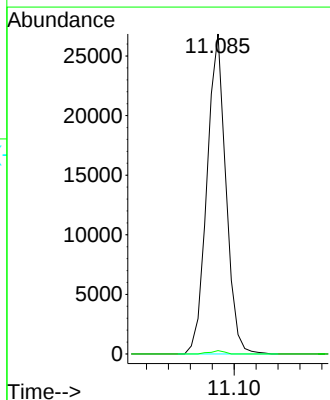
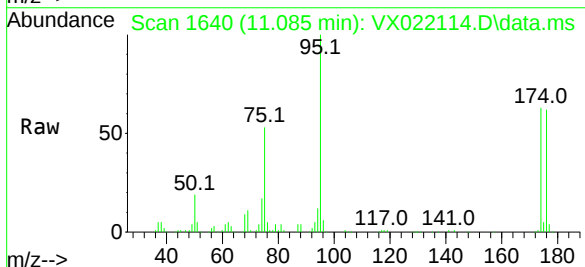
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW8-GW-898-900

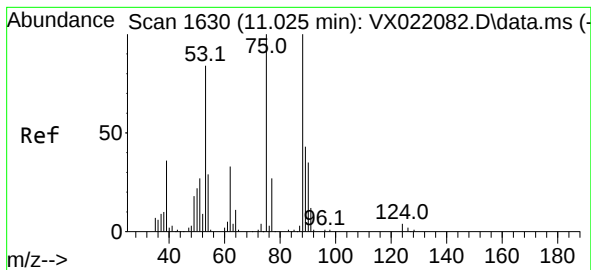
Tgt Ion:152 Resp: 51405
 Ion Ratio Lower Upper
 152 100
 115 67.1 41.1 123.3
 150 157.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.36 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022114.D
 Acq: 21 May 2021 14:50

Tgt Ion: 75 Resp: 32162
 Ion Ratio Lower Upper
 75 100
 77 0.8 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.09 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022114.D

Acq: 21 May 2021 14:50

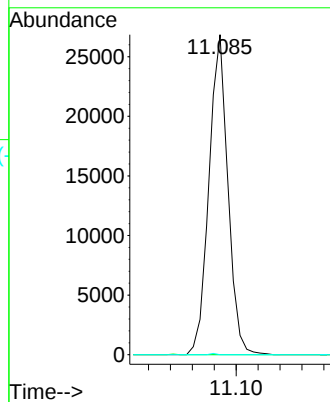
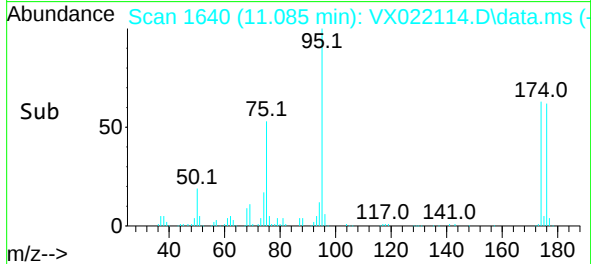
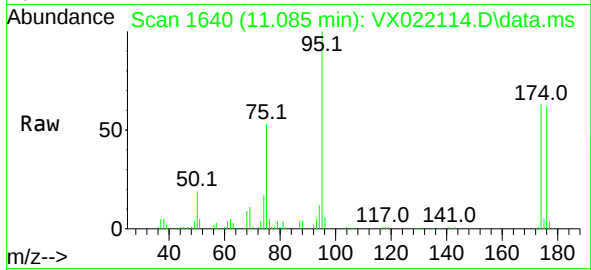
Tgt Ion: 75 Resp: 32162

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.1 37.9 56.9#



Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW8-GW-898-900