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 Data File : VU043610.D
 Acq On : 07 May 2021 14:24
 Operator : SY/MD
 Sample : M2333-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

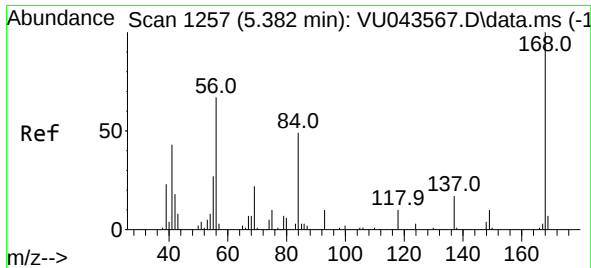
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-GW-703-705

Quant Time: May 08 01:08:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	119156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	212233	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	206921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	94171	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	122478	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
35) Dibromofluoromethane	5.298	113	83803	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
50) Toluene-d8	7.906	98	297023	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	10.639	95	103368	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	563	0.57	ug/l #	80
5) Bromomethane	1.861	94	258	0.24	ug/l	89
11) Tert butyl alcohol	3.186	59	1175	1.82	ug/l #	73
13) Acrolein	2.488	56	198	6.72	ug/l #	80
16) Acetone	2.629	43	46322	34.60	ug/l	100
23) Vinyl Acetate	3.710	43	130	9.97	ug/l #	78
25) 2-Butanone	4.713	43	11356	5.50	ug/l	96
31) Cyclohexane	5.379	56	3392	1.18	ug/l #	25
36) 1,1-Dichloropropene	5.382	75	10861	4.51	ug/l #	50
37) Ethyl Acetate	4.713	43	11356	2.78	ug/l #	72
38) Carbon Tetrachloride	5.379	117	12189	4.99	ug/l #	16
40) Benzene	5.784	78	2470	0.34	ug/l	99
41) Methacrylonitrile	4.719	41	100	1.92	ug/l #	1
48) Methyl methacrylate	6.886	41	6189	2.06	ug/l #	56
51) 4-Methyl-2-Pentanone	7.796	43	1195	19.41	ug/l #	80
59) 2-Hexanone	8.694	43	2297	21.24	ug/l	95
65) Chlorobenzene	9.459	112	1075	0.24	ug/l #	83
67) Ethyl Benzene	9.575	91	43	1.46	ug/l #	45
68) m/p-Xylenes	9.703	106	110	2.36	ug/l	90
74) N-amyl acetate	10.349	43	1900	2.88	ug/l #	9
76) 1,2,3-Trichloropropane	10.639	75	59134	19.75	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	59134	64.31	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.475	105	278	1.15	ug/l #	33
85) sec-Butylbenzene	11.475	105	278	1.37	ug/l #	59
89) n-Butylbenzene	12.214	91	120	2.55	ug/l #	35
95) Naphthalene	14.098	128	1991	1.77	ug/l #	89

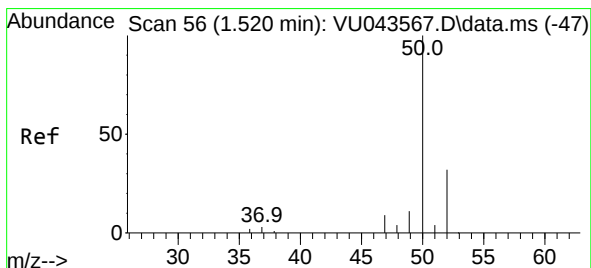
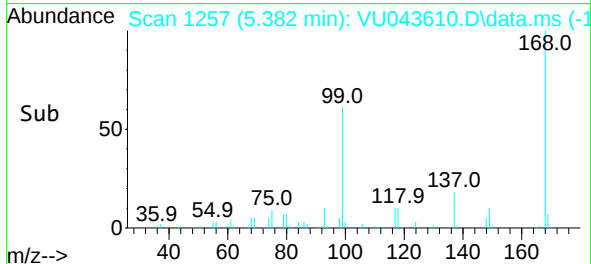
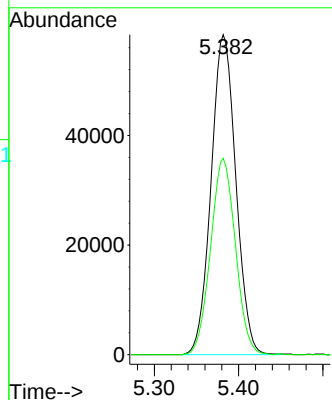
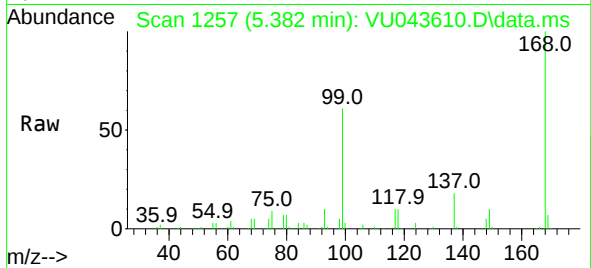
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

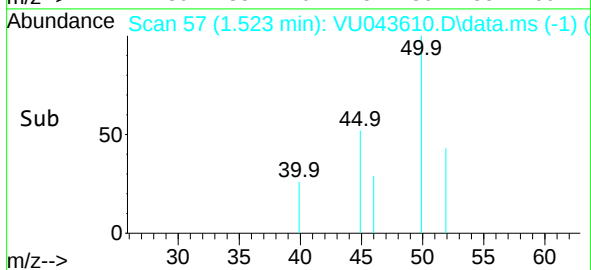
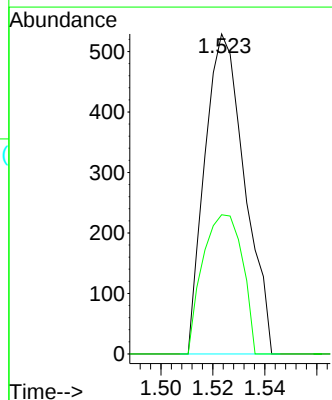
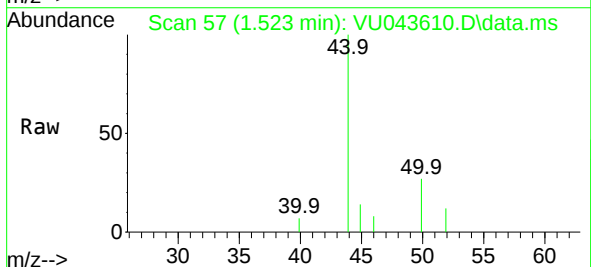
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

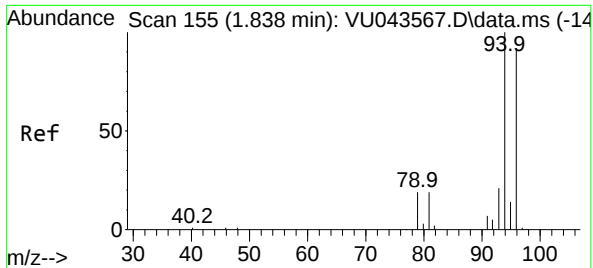
Tgt Ion:168 Resp: 119156
Ion Ratio Lower Upper
168 100
99 61.4 49.0 73.6



#3
Chloromethane
Concen: 0.57 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 43.5 25.9 38.9#

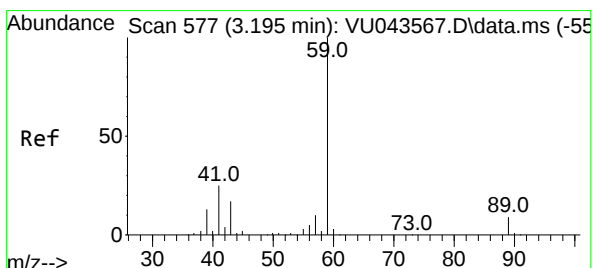
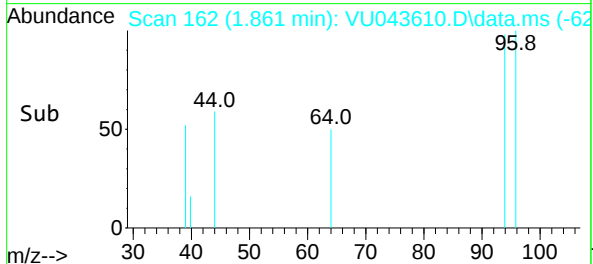
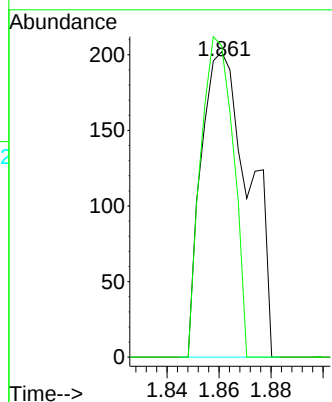
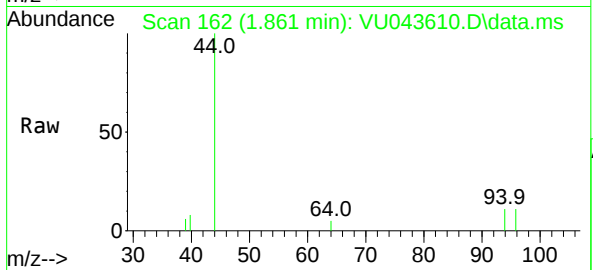




#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.023 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

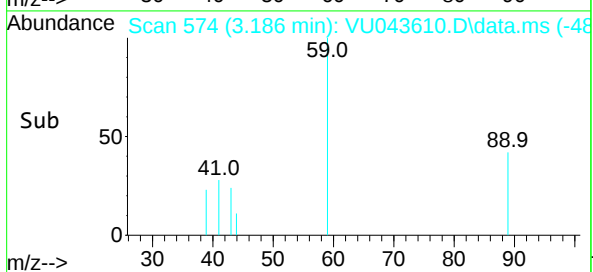
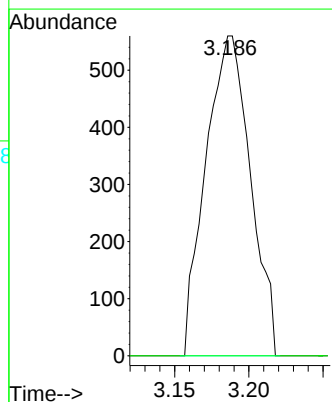
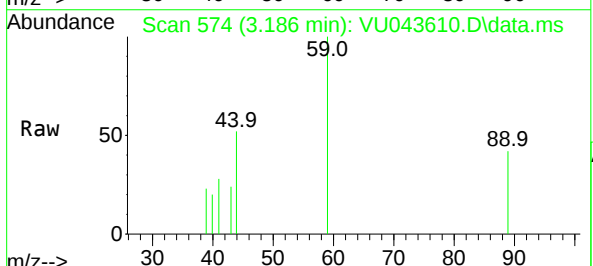
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

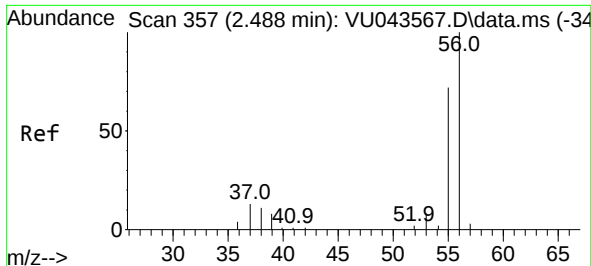
Tgt Ion: 94 Resp: 258
Ion Ratio Lower Upper
94 100
96 102.0 73.3 109.9



#11
Tert butyl alcohol
Concen: 1.82 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.010 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 59 Resp: 1175
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

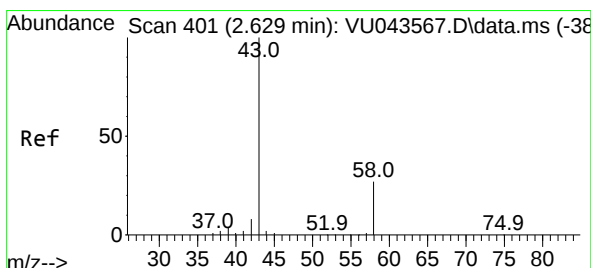
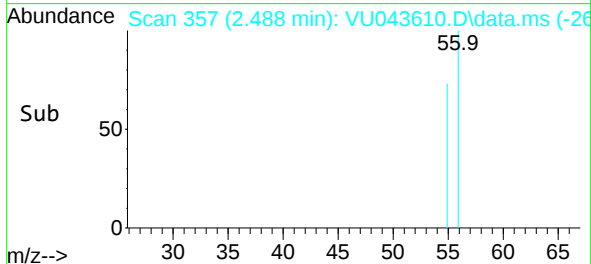
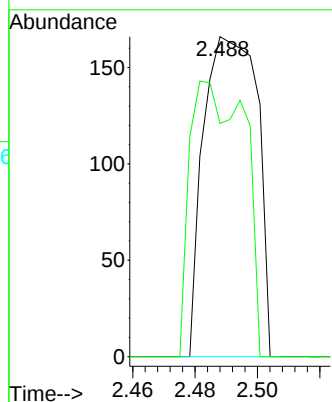
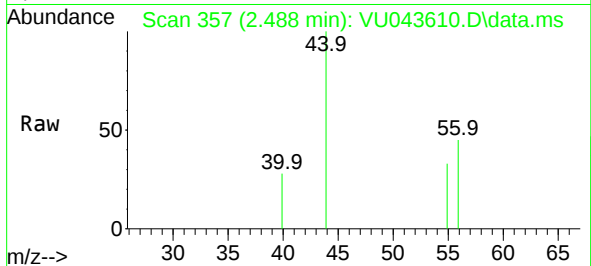




#13
Acrolein
Concen: 6.72 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

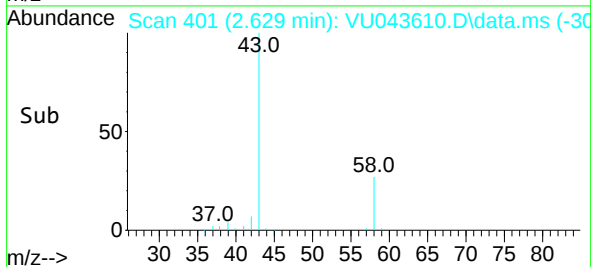
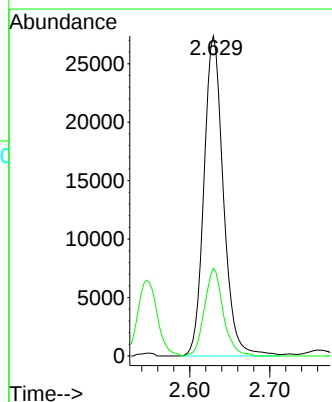
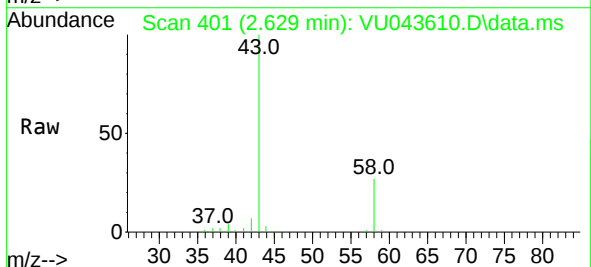
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

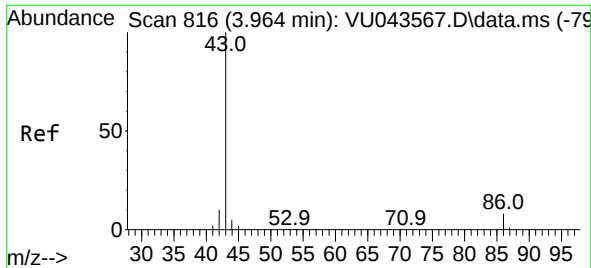
Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 87.4 56.9 85.3#



#16
Acetone
Concen: 34.60 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 43 Resp: 46322
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5

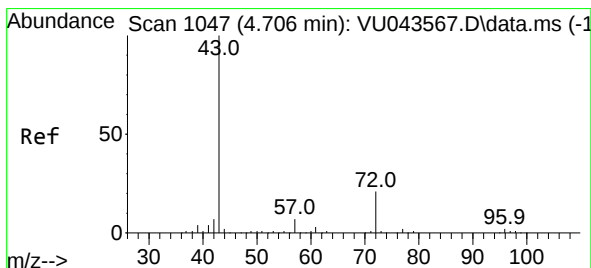
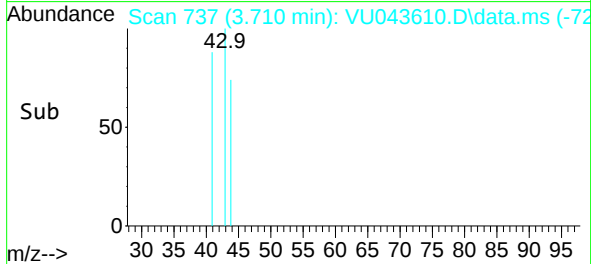
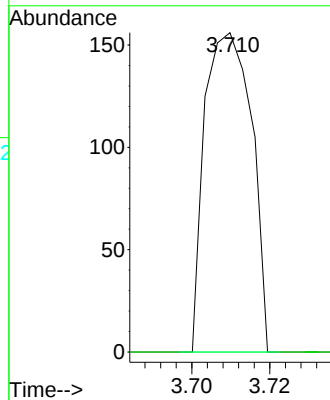
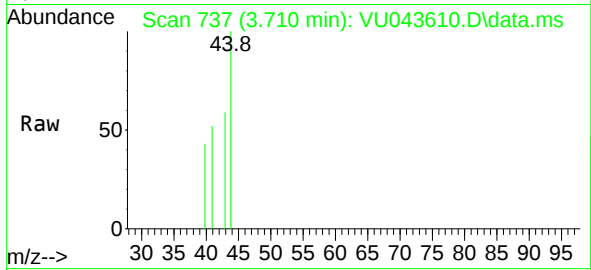




#23
 Vinyl Acetate
 Concen: 9.97 ug/l
 RT: 3.710 min Scan# 737
 Delta R.T. -0.254 min
 Lab File: VU043610.D
 Acq: 07 May 2021 14:24

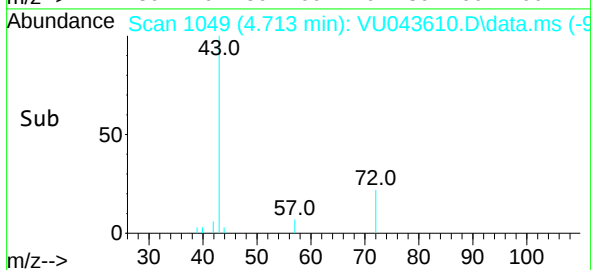
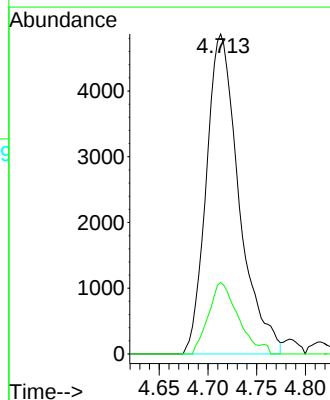
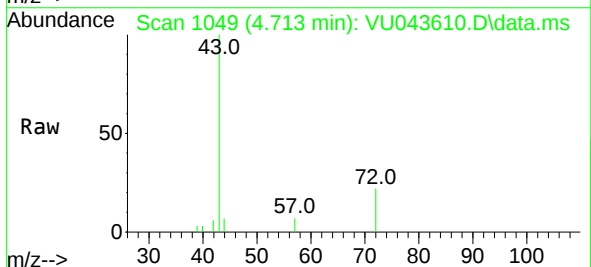
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-GW-703-705

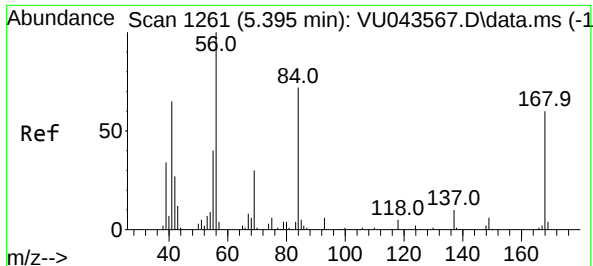
Tgt Ion: 43 Resp: 130
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.2 9.2#



#25
 2-Butanone
 Concen: 5.50 ug/l
 RT: 4.713 min Scan# 1049
 Delta R.T. 0.007 min
 Lab File: VU043610.D
 Acq: 07 May 2021 14:24

Tgt Ion: 43 Resp: 11356
 Ion Ratio Lower Upper
 43 100
 72 22.3 16.5 24.7





#31

Cyclohexane

Concen: 1.18 ug/l

RT: 5.379 min Scan# 1256

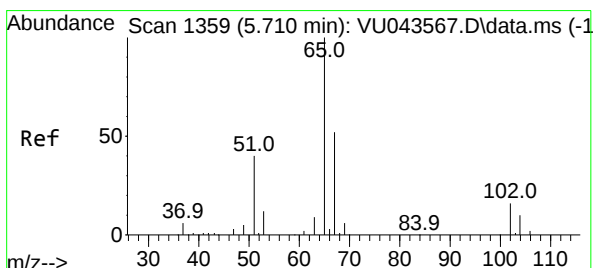
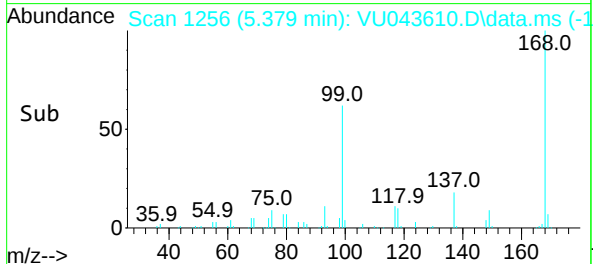
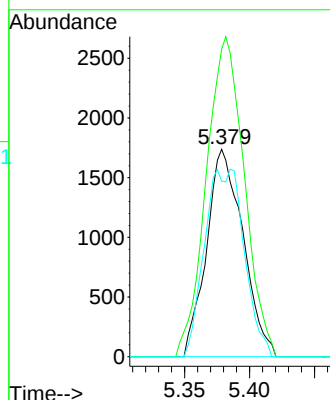
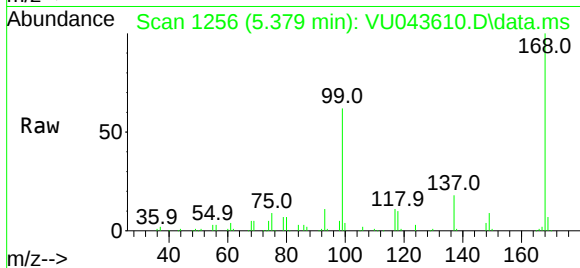
Delta R.T. -0.016 min

Lab File: VU043610.D

Acq: 07 May 2021 14:24

Tgt Ion: 56 Resp: 3392

Ion	Ratio	Lower	Upper
56	100		
69	148.2	23.9	35.9#
84	84.6	57.7	86.5



#33

1,2-Dichloroethane-d4

Concen: 50.78 ug/l

RT: 5.710 min Scan# 1359

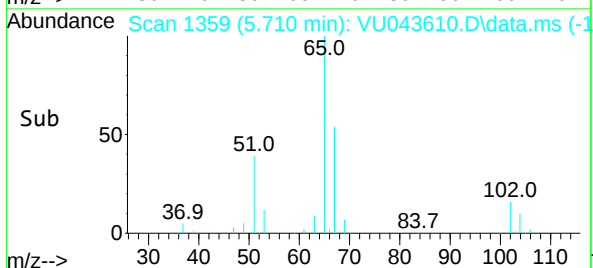
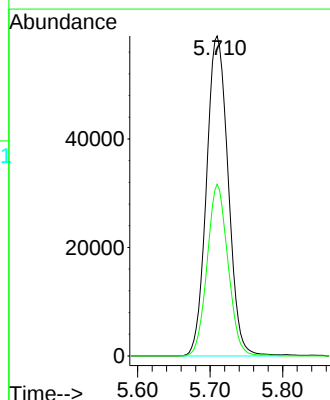
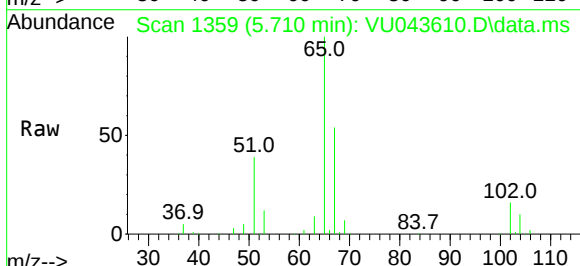
Delta R.T. 0.000 min

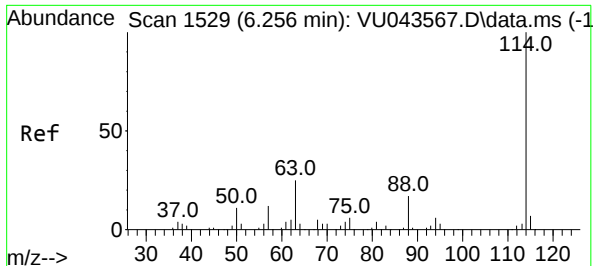
Lab File: VU043610.D

Acq: 07 May 2021 14:24

Tgt Ion: 65 Resp: 122478

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6

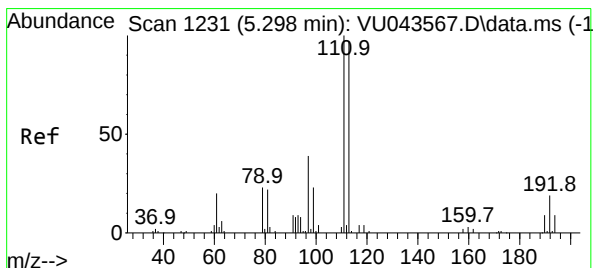
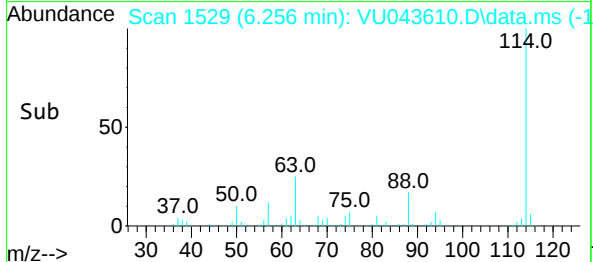
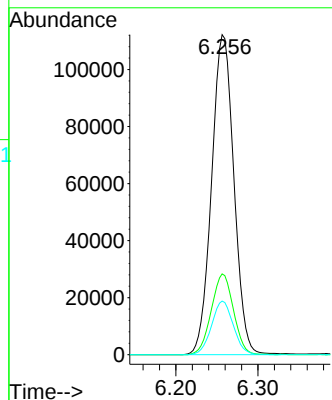
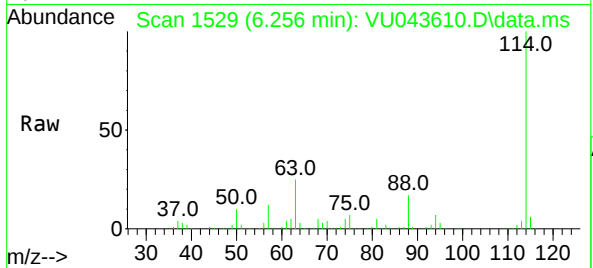




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

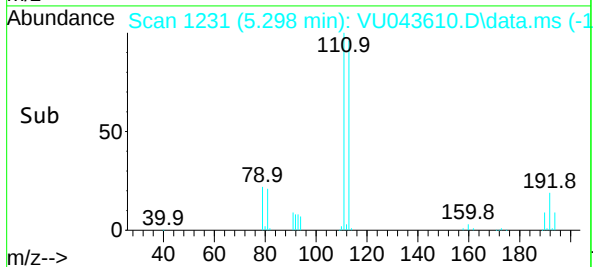
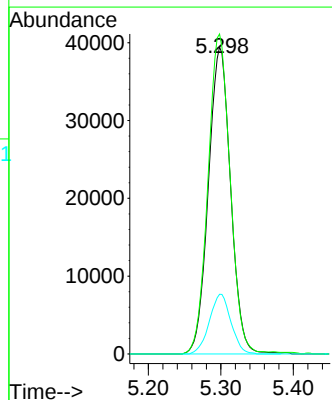
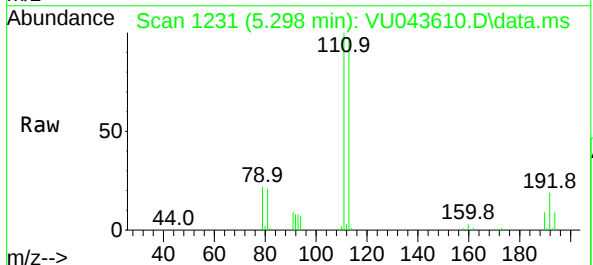
Instrument :
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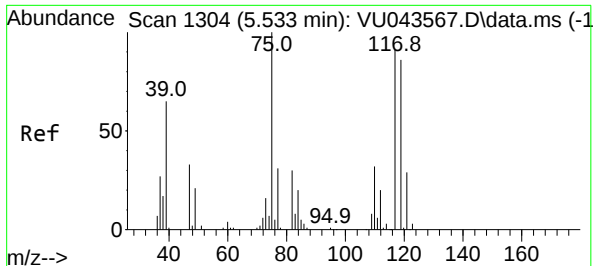
Tgt Ion:114	Resp:	212233
Ion Ratio	Lower	Upper
114	100	
63	25.3	0.0 50.2
88	16.8	0.0 33.8



#35
Dibromofluoromethane
Concen: 49.51 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion:113	Resp:	83803
Ion Ratio	Lower	Upper
113	100	
111	104.1	82.3 123.5
192	18.9	15.8 23.6

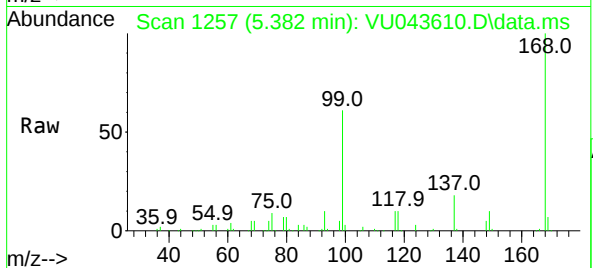




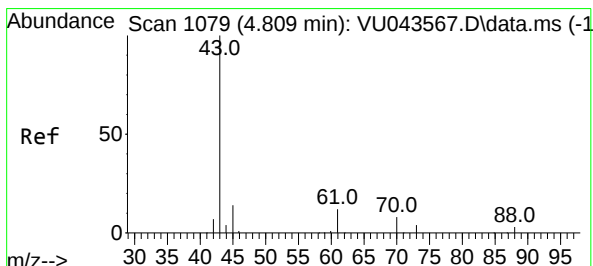
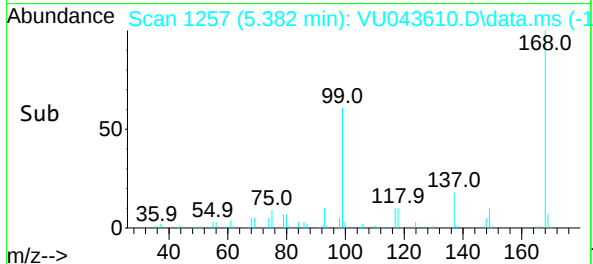
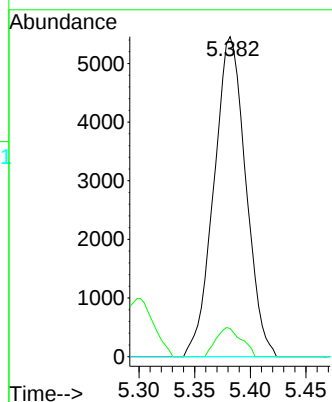
#36

1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705



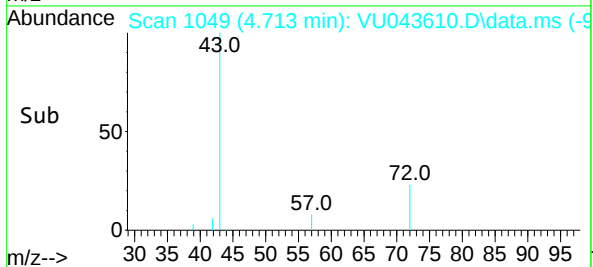
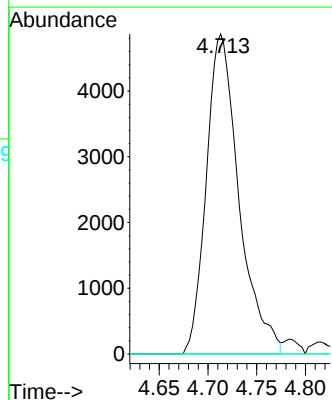
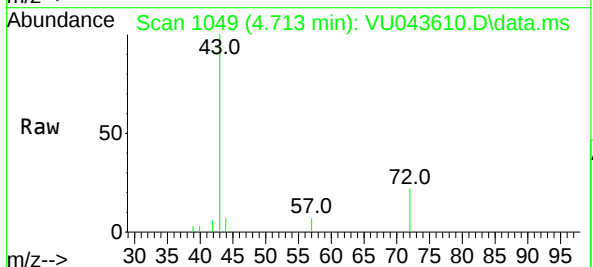
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.2	48.5#
77	0.0	24.4	36.6#

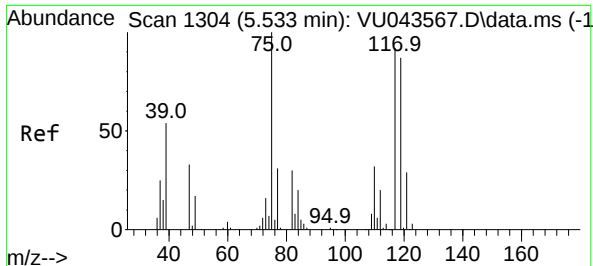


#37

Ethyl Acetate
Concen: 2.78 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.096 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

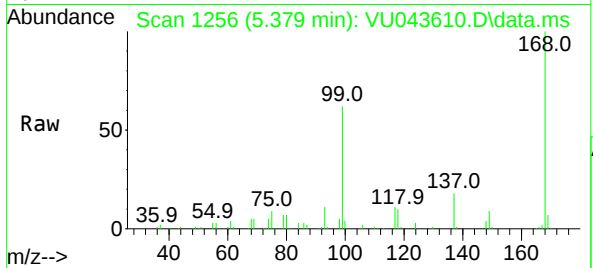
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.5	9.7#



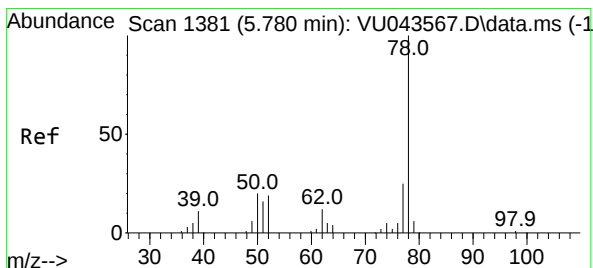
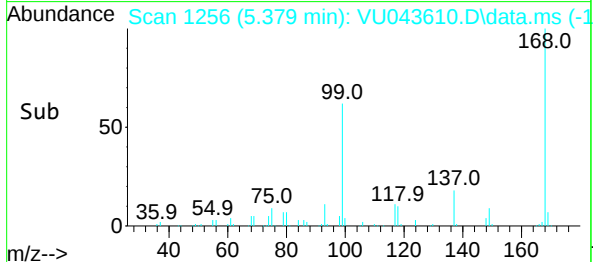
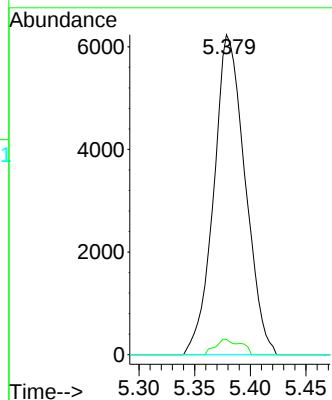


#38
Carbon Tetrachloride
Concen: 4.99 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

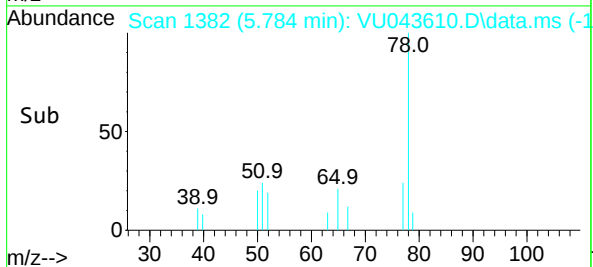
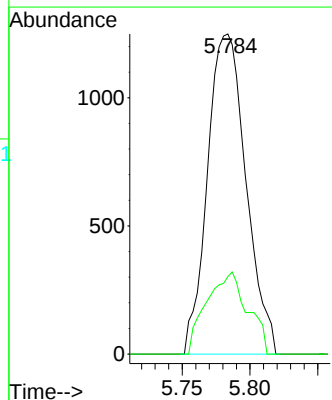
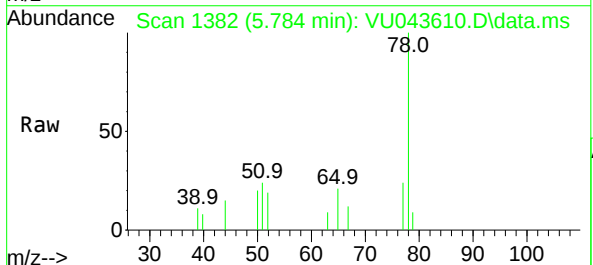


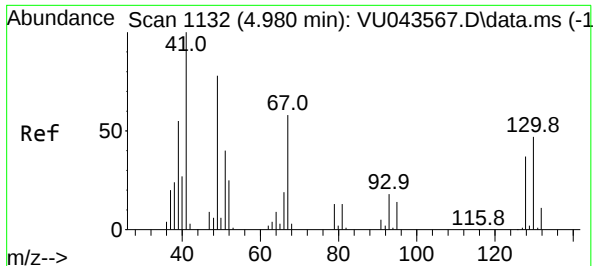
Tgt Ion:117 Resp: 12189
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
121 0.0 25.2 37.8#



#40
Benzene
Concen: 0.34 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

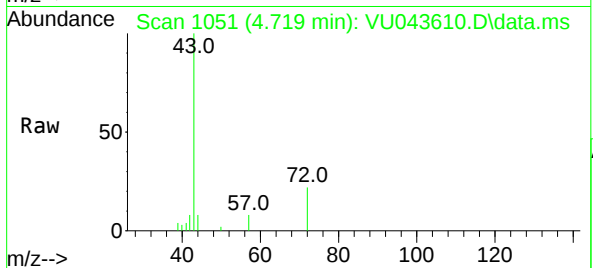
Tgt Ion: 78 Resp: 2470
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5



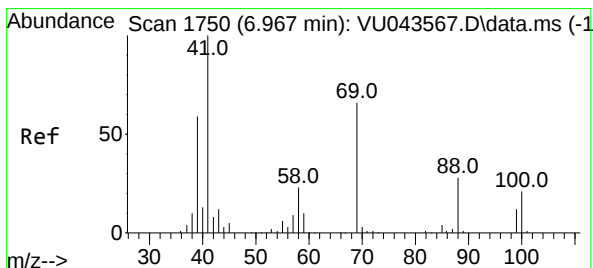
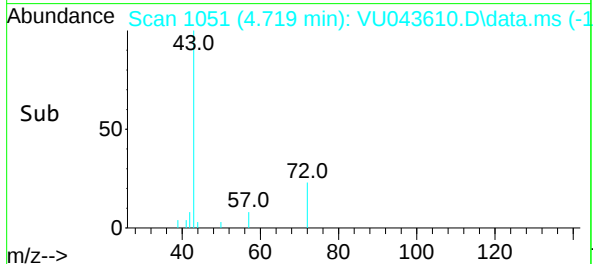
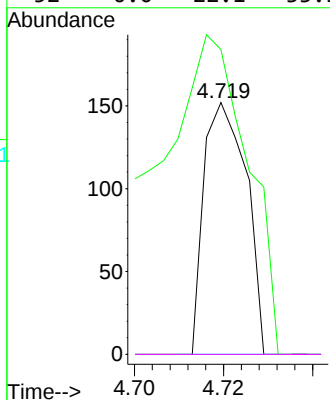


#41
Methacrylonitrile
Concen: 1.92 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.261 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

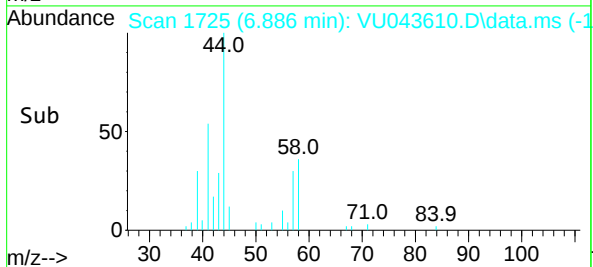
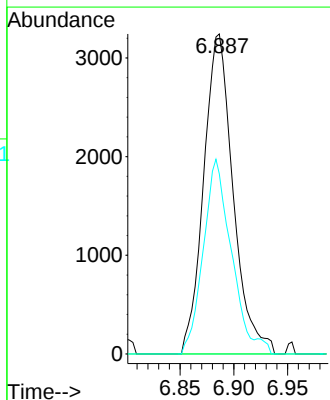
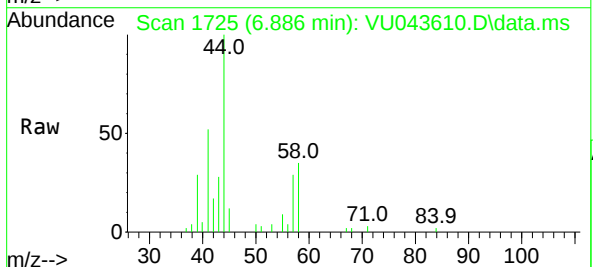


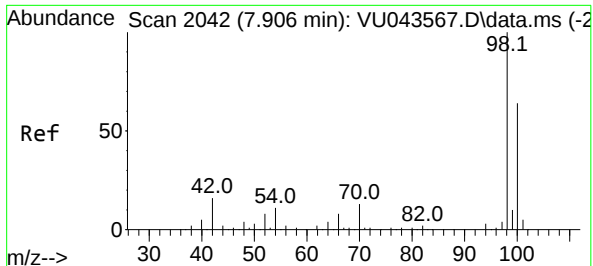
Tgt Ion:	41	Resp:	100
Ion	Ratio	Lower	Upper
41	100		
39	262.0	45.8	68.6#
67	0.0	46.5	69.7#
52	0.0	22.1	33.1#



#48
Methyl methacrylate
Concen: 2.06 ug/l
RT: 6.886 min Scan# 1725
Delta R.T. -0.080 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion:	41	Resp:	6189
Ion	Ratio	Lower	Upper
41	100		
69	0.0	52.8	79.2#
39	58.4	47.0	70.6

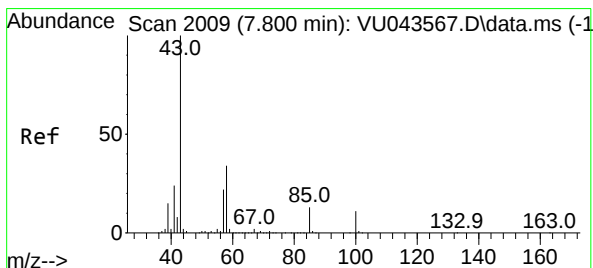
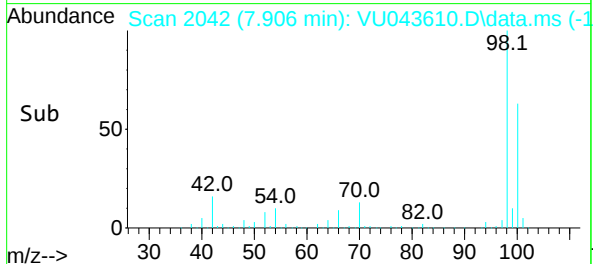
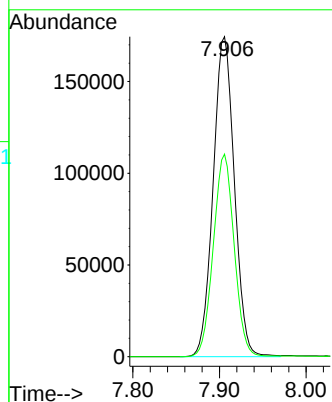
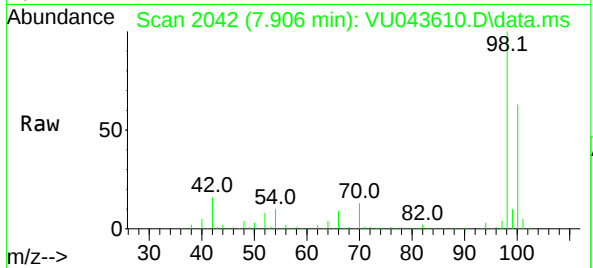




#50
Toluene-d8
Concen: 49.49 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

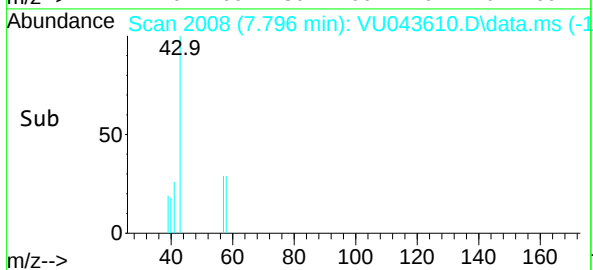
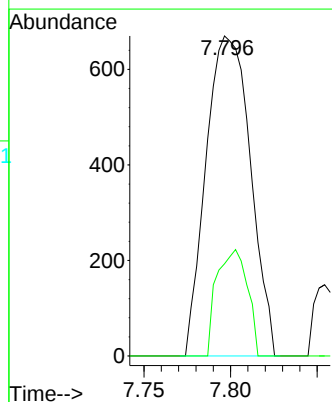
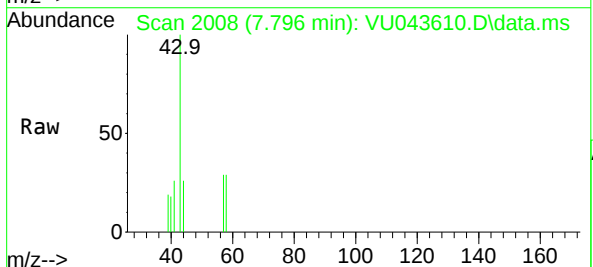
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

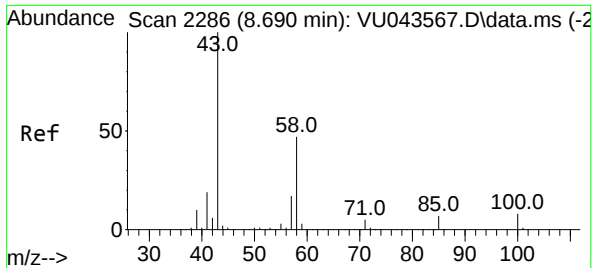
Tgt Ion: 98 Resp: 297023
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.41 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 22.8 27.2 40.8#

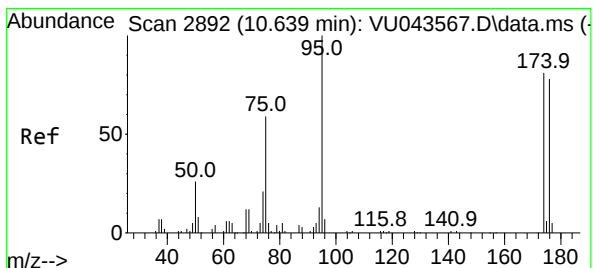
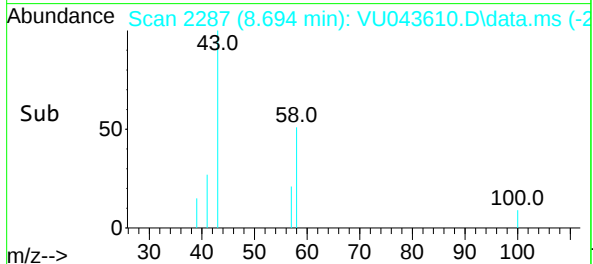
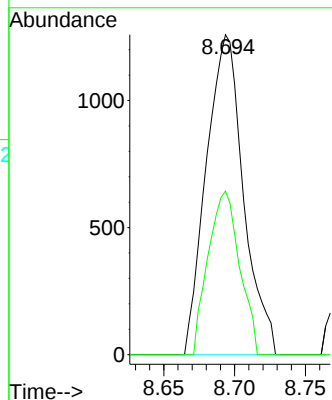
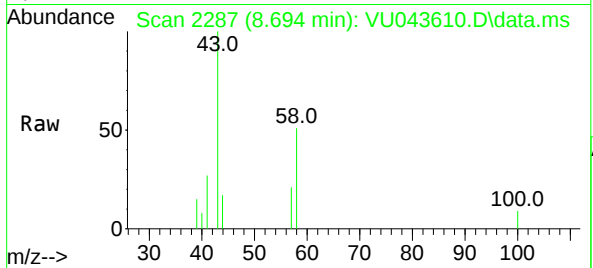




#59
2-Hexanone
Concen: 21.24 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.004 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

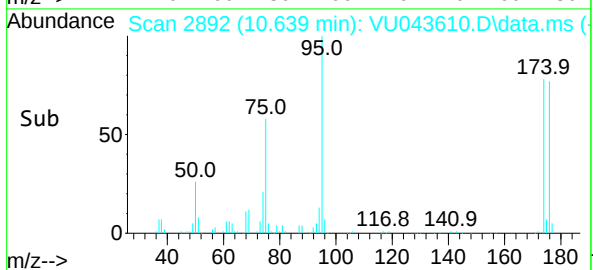
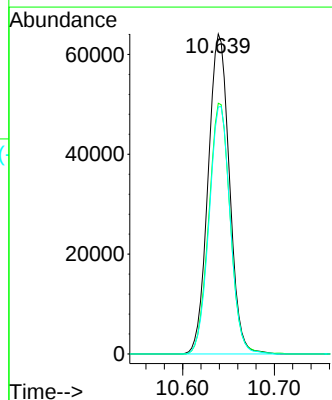
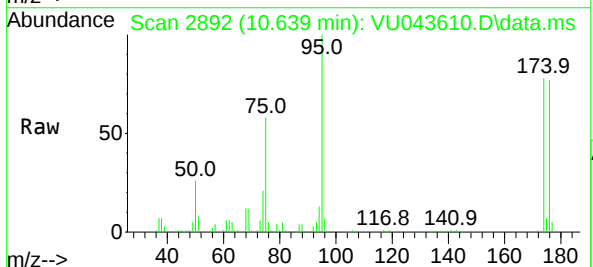
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

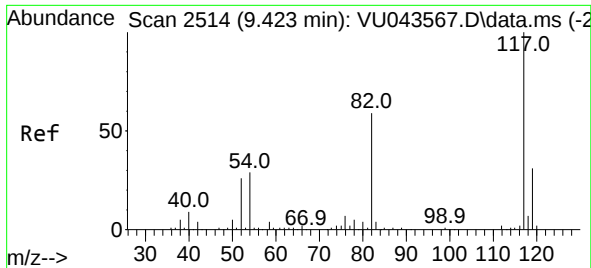
Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
58 43.2 23.4 70.2



#62
4-Bromofluorobenzene
Concen: 45.27 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 95 Resp: 103368
Ion Ratio Lower Upper
95 100
174 78.4 0.0 158.8
176 76.9 0.0 155.6

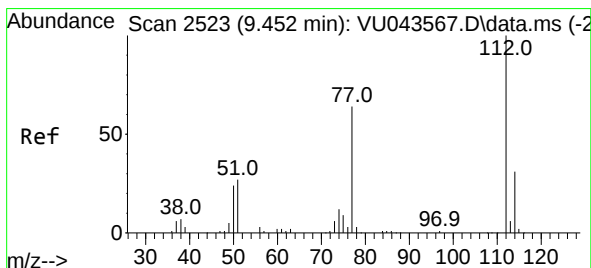
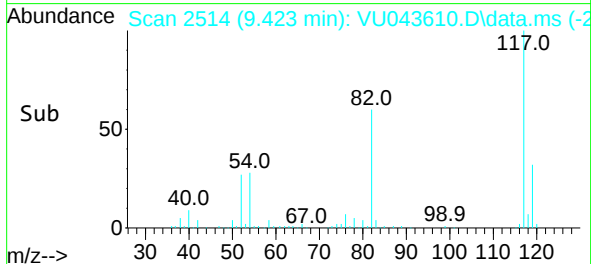
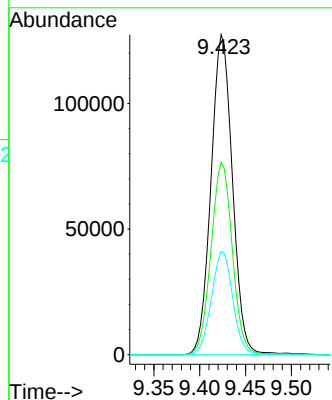
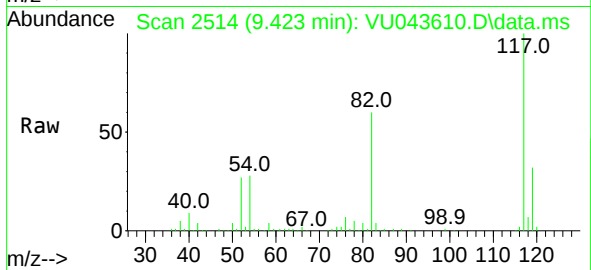




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

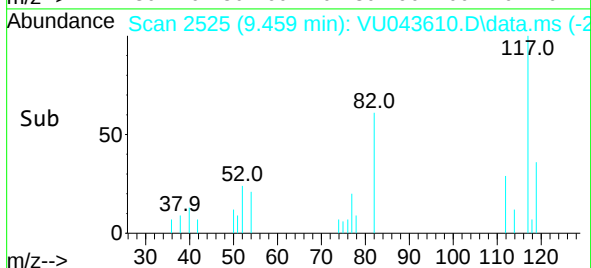
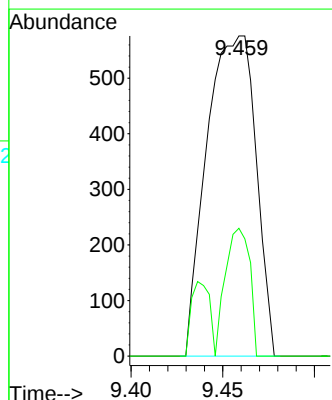
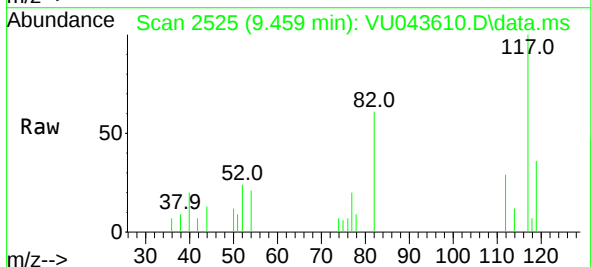
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

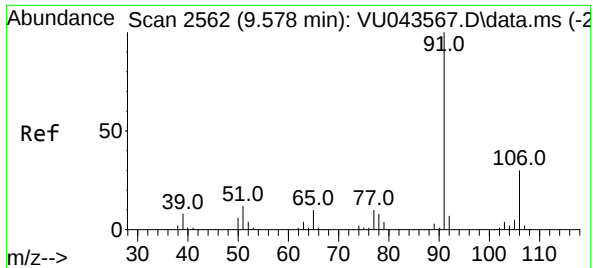
Tgt Ion:117 Resp: 206921
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 32.3 24.7 37.1



#65
Chlorobenzene
Concen: 0.24 ug/l
RT: 9.459 min Scan# 2525
Delta R.T. 0.007 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion:112 Resp: 1075
Ion Ratio Lower Upper
112 100
114 39.9 24.6 37.0#





#67

Ethyl Benzene

Concen: 1.46 ug/l

RT: 9.575 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU043610.D

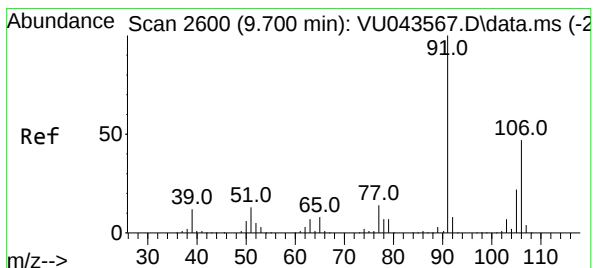
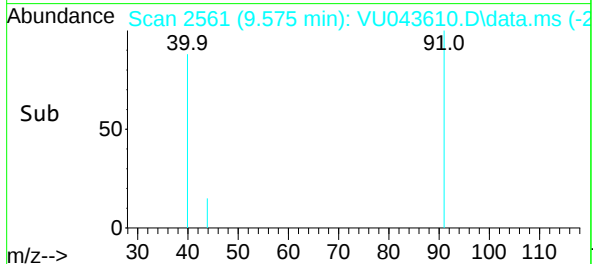
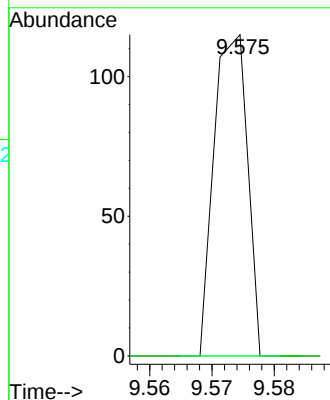
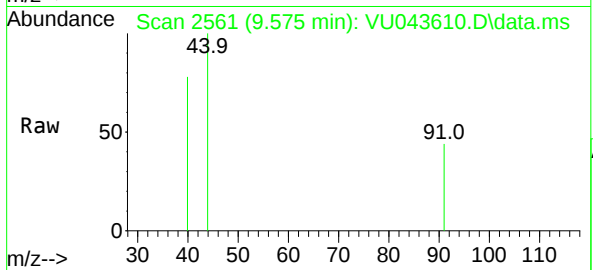
Acq: 07 May 2021 14:24

Tgt Ion: 91 Resp: 43

Ion Ratio Lower Upper

91 100

106 0.0 24.0 36.0#



#68

m/p-Xylenes

Concen: 2.36 ug/l

RT: 9.703 min Scan# 2601

Delta R.T. 0.003 min

Lab File: VU043610.D

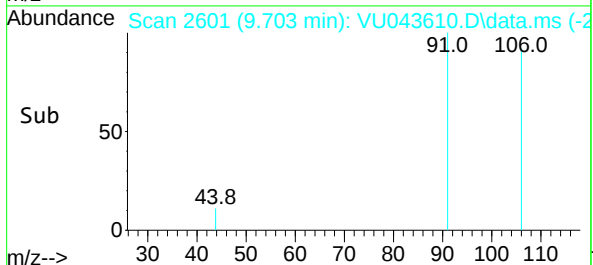
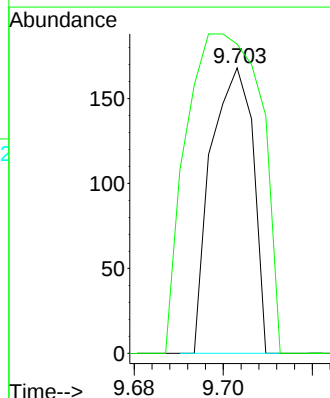
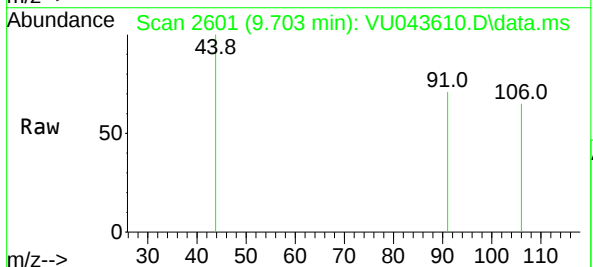
Acq: 07 May 2021 14:24

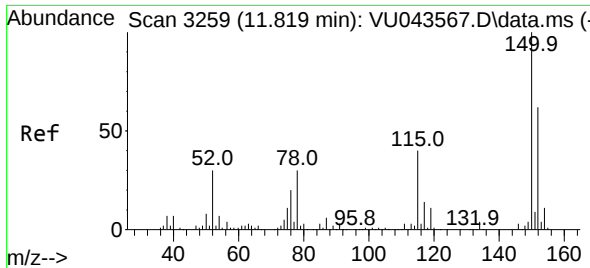
Tgt Ion: 106 Resp: 110

Ion Ratio Lower Upper

106 100

91 199.1 171.7 257.5

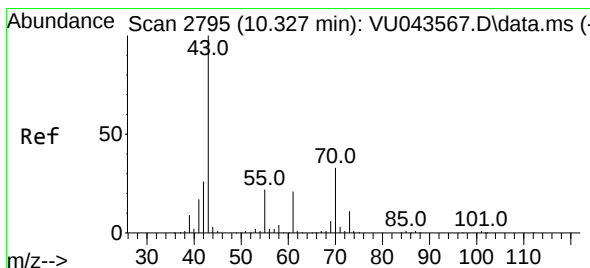
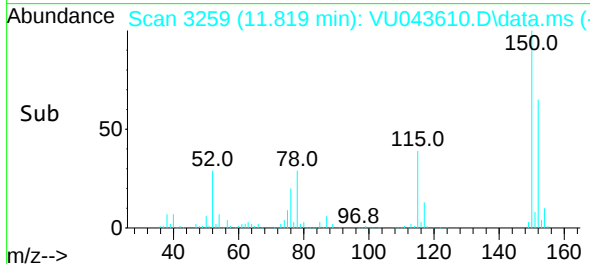
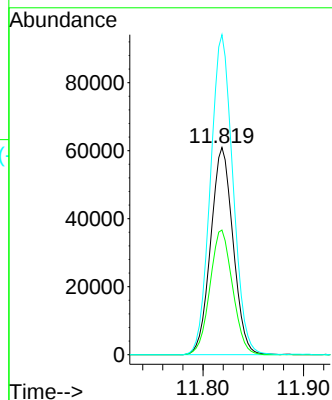
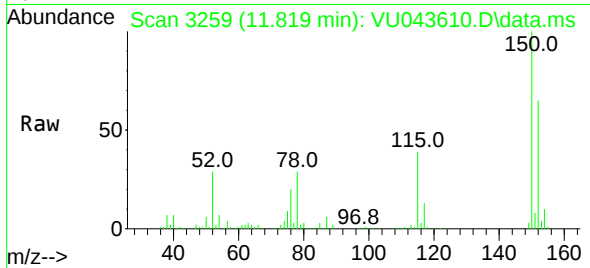




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

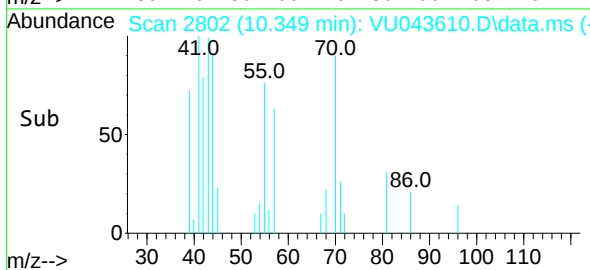
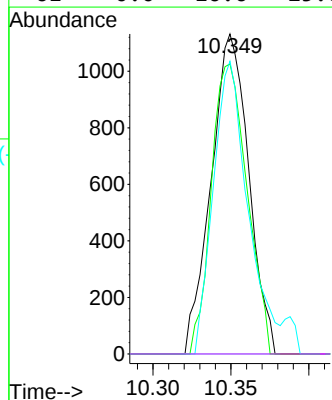
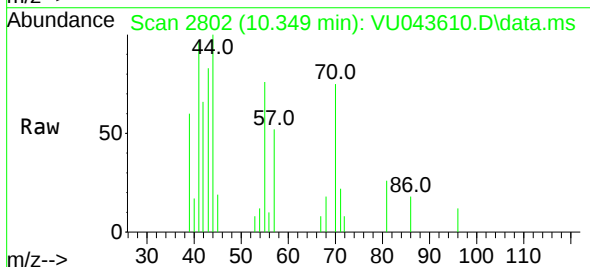
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

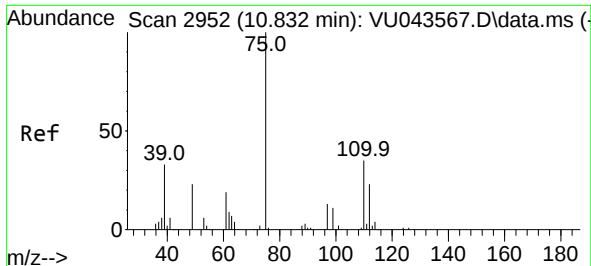
Tgt Ion:152 Resp: 94171
Ion Ratio Lower Upper
152 100
115 60.8 46.1 138.3
150 155.4 0.0 361.0



#74
N-ethyl acetate
Concen: 2.88 ug/l
RT: 10.349 min Scan# 2802
Delta R.T. 0.022 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
70 86.3 26.4 39.6#
55 84.4 18.0 27.0#
61 0.0 16.6 25.0#

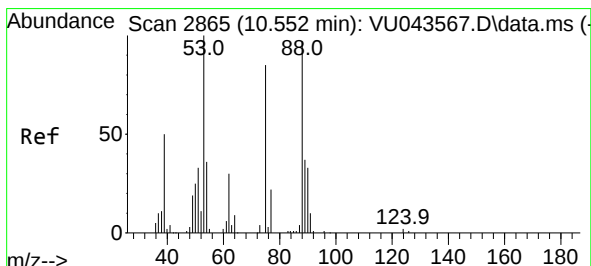
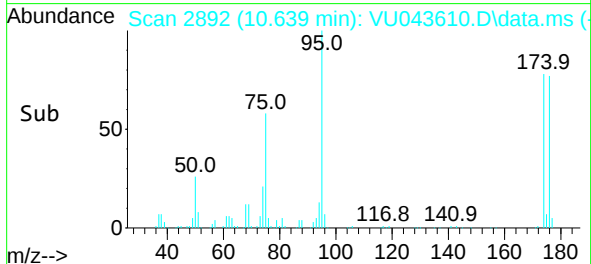
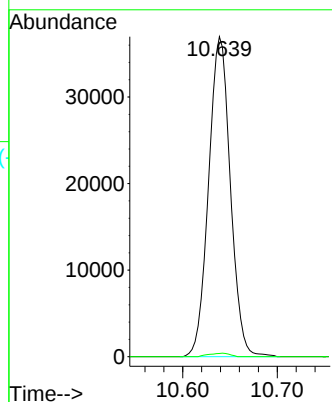
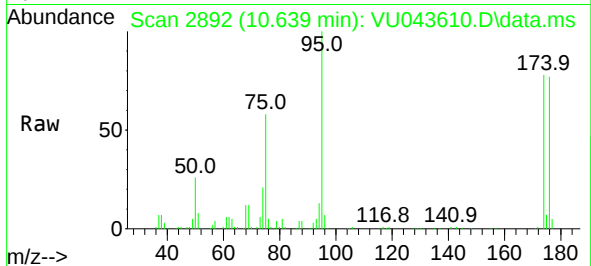




#76
1,2,3-Trichloropropane
Concen: 19.75 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

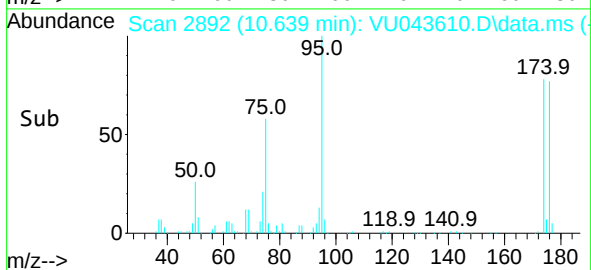
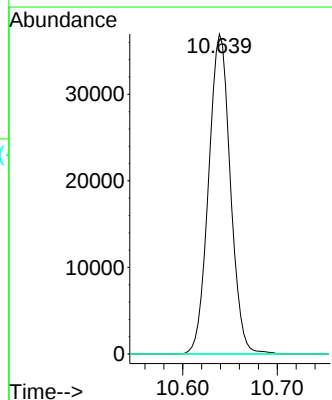
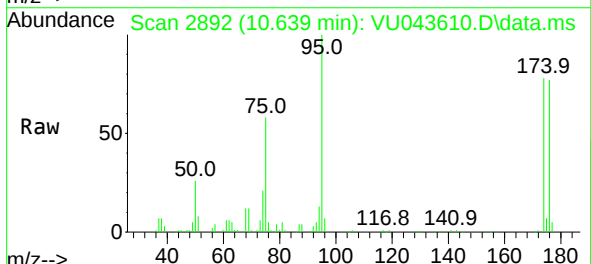
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

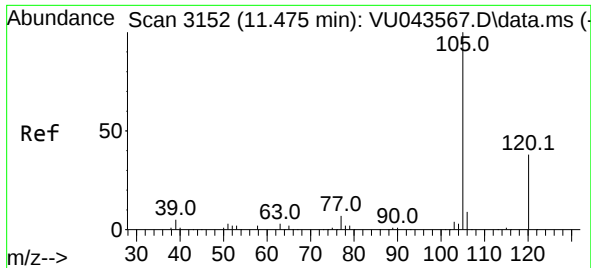
Tgt Ion: 75 Resp: 59134
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.31 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 75 Resp: 59134
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

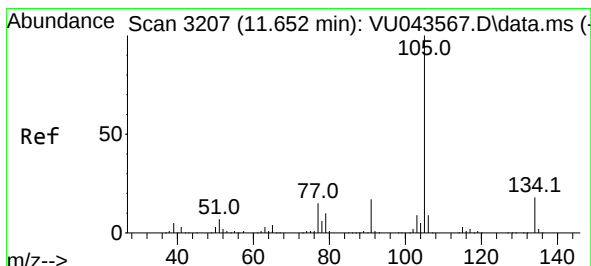
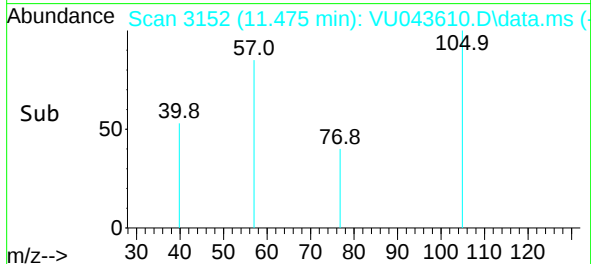
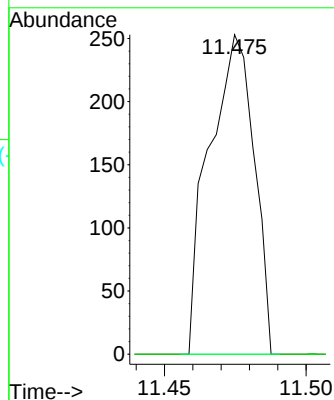
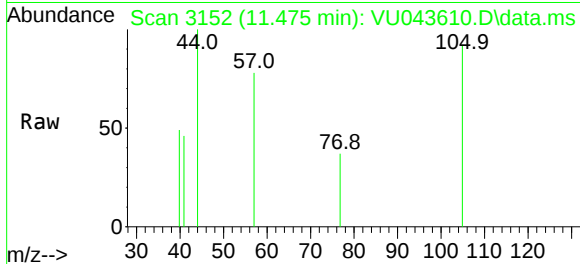




#84
 1,2,4-Trimethylbenzene
 Concen: 1.15 ug/l
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.000 min
 Lab File: VU043610.D
 Acq: 07 May 2021 14:24

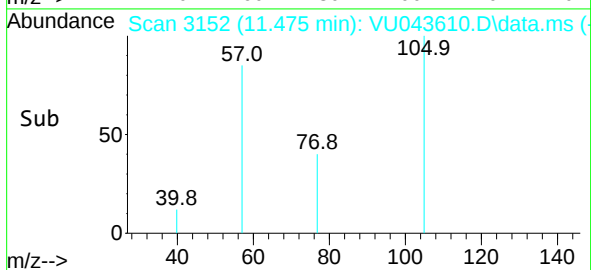
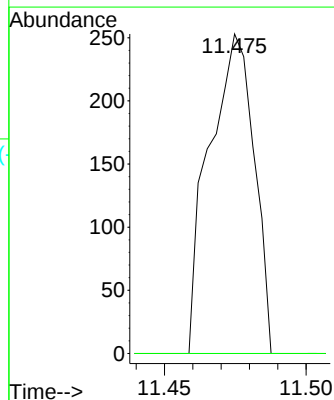
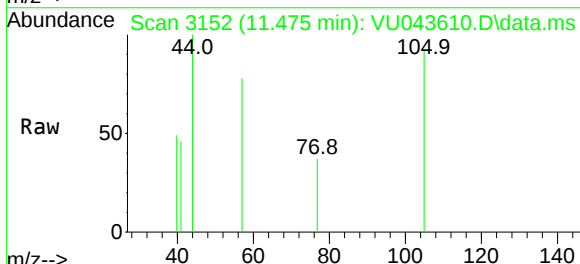
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-GW-703-705

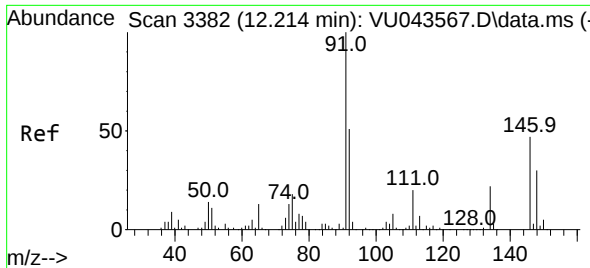
Tgt Ion:105 Resp: 278
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.4 64.2#



#85
 sec-Butylbenzene
 Concen: 1.37 ug/l
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.177 min
 Lab File: VU043610.D
 Acq: 07 May 2021 14:24

Tgt Ion:105 Resp: 278
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#

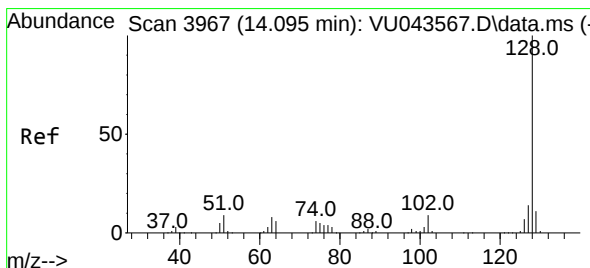
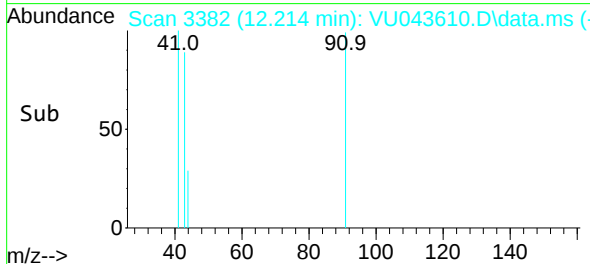
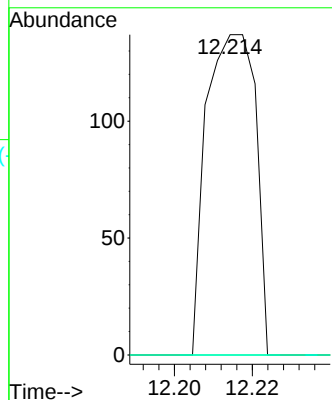
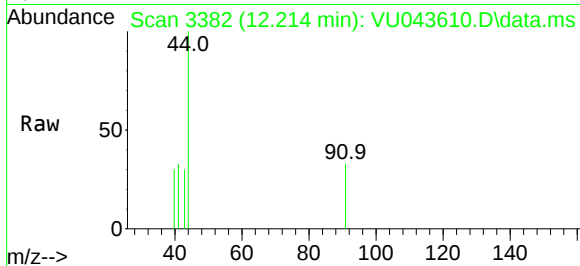




#89
n-Butylbenzene
Concen: 2.55 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-GW-703-705

Tgt Ion: 91 Resp: 120
Ion Ratio Lower Upper
91 100
92 0.0 25.4 76.2#
134 0.0 11.3 33.9#



#95
Naphthalene
Concen: 1.77 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU043610.D
Acq: 07 May 2021 14:24

Tgt Ion: 128 Resp: 1991
Ion Ratio Lower Upper
128 100
127 10.1 10.7 16.1#
129 5.2 8.6 12.8#

