

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045410.D
 Acq On : 26 Oct 2021 18:56
 Operator : SY/MD
 Sample : M4360-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-GW-238-240

Quant Time: Oct 27 04:41:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

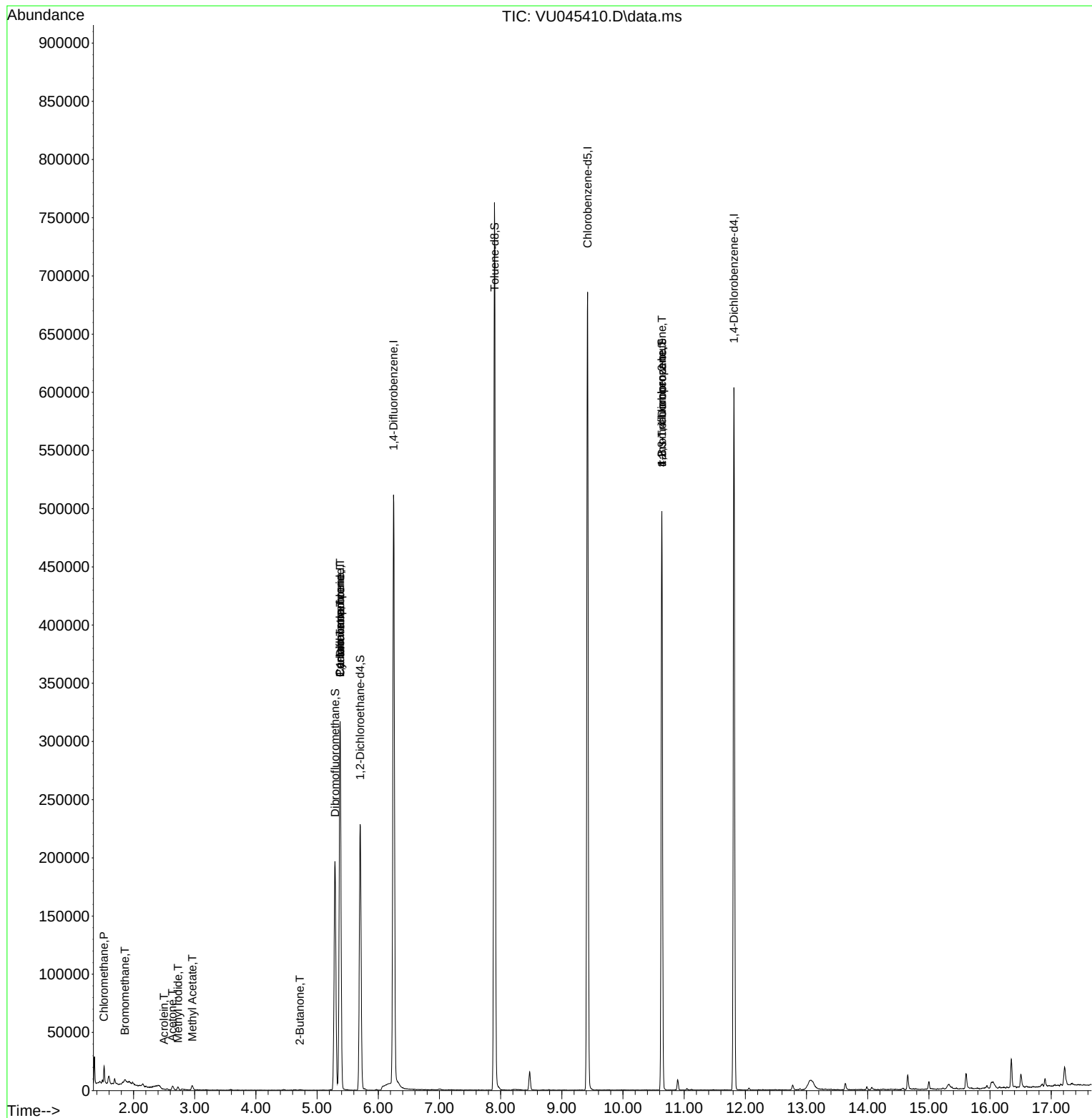
Internal Standards						
1) Pentafluorobenzene	5.376	168	211544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	399389	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.421	117	359511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	145736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	170134	48.314	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.620%
35) Dibromofluoromethane	5.292	113	124598	49.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.900%
50) Toluene-d8	7.900	98	495543	49.779	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.560%
62) 4-Bromofluorobenzene	10.636	95	170055	41.377	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.760%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	10350	3.050	ug/l	99
5) Bromomethane	1.858	94	907	0.682	ug/l	83
10) Methyl Iodide	2.726	142	2758	1.016	ug/l #	98
13) Acrolein	2.498	56	141	3.831	ug/l	89
16) Acetone	2.636	43	5039	2.411	ug/l	97
18) Methyl Acetate	2.961	43	5811	0.951	ug/l	95
25) 2-Butanone	4.717	43	962	0.324	ug/l #	48
31) Cyclohexane	5.376	56	5215	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.376	75	18932	4.533	ug/l #	50
38) Carbon Tetrachloride	5.376	117	22031	6.096	ug/l #	15
49) 1,4-Dioxane	6.987	88	254	Below Cal	#	91
76) 1,2,3-Trichloropropane	10.636	75	87761	20.646	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	87761	57.295	ug/l #	9

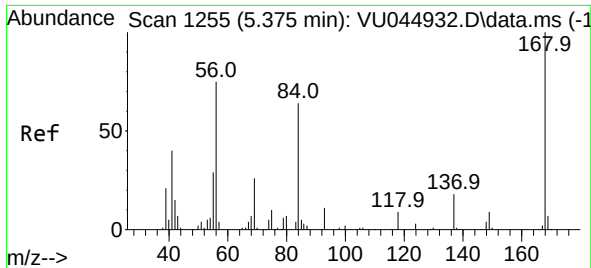
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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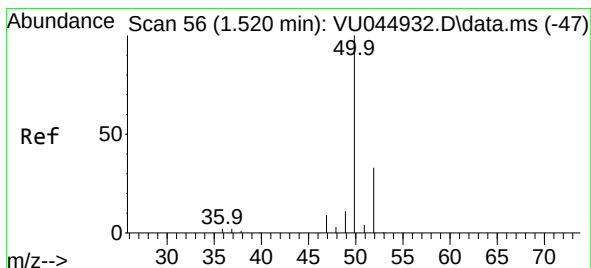
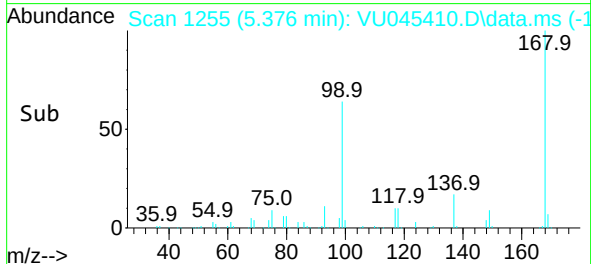
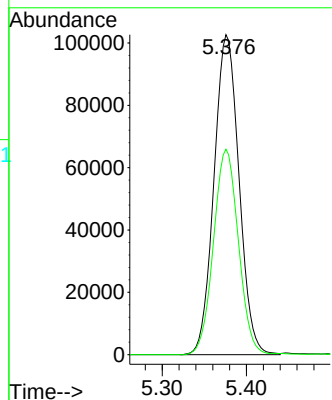
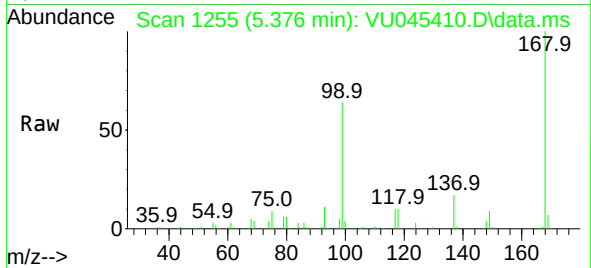




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.376 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

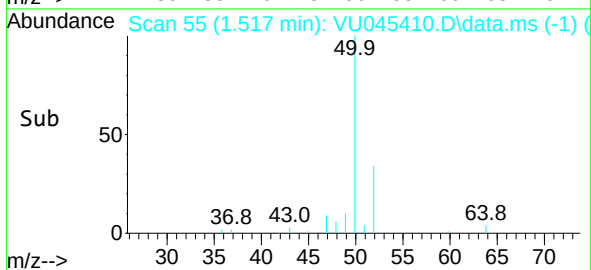
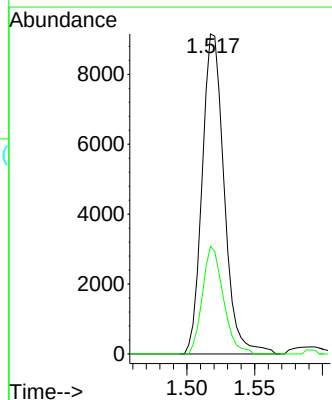
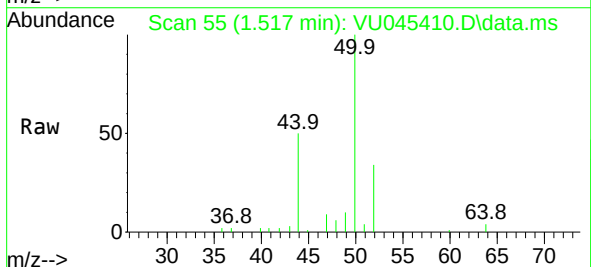
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

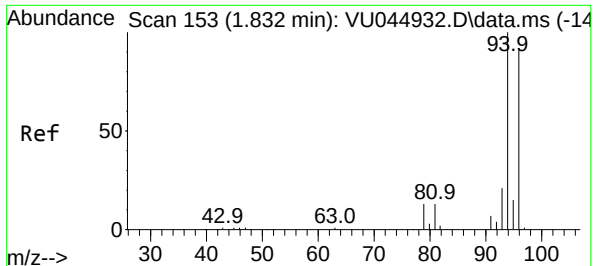
Tgt Ion:168 Resp: 211544
Ion Ratio Lower Upper
168 100
99 64.2 51.4 77.0



#3
Chloromethane
Concen: 3.050 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

Tgt Ion: 50 Resp: 10350
Ion Ratio Lower Upper
50 100
52 33.6 26.3 39.5

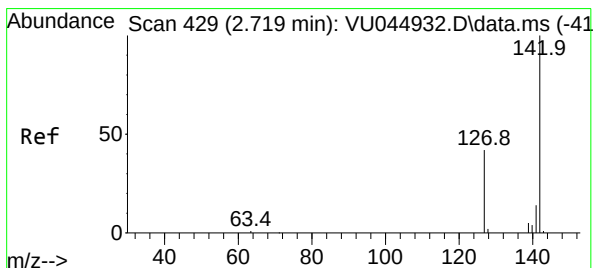
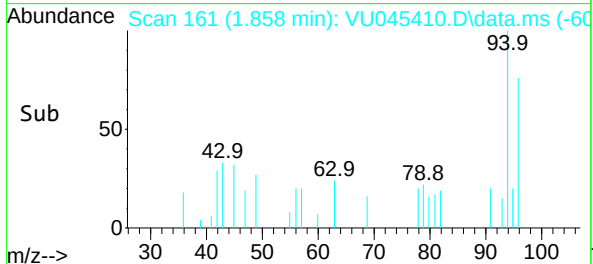
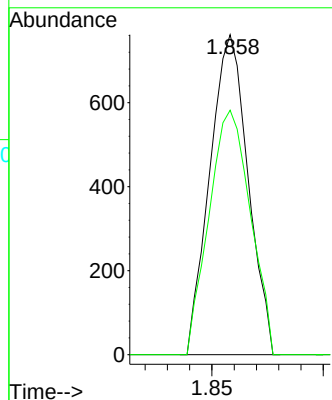
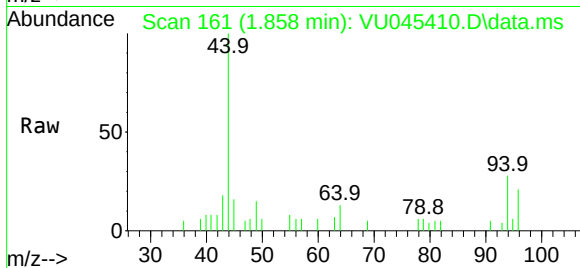




#5
Bromomethane
Concen: 0.682 ug/l
RT: 1.858 min Scan# 1
Delta R.T. 0.026 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

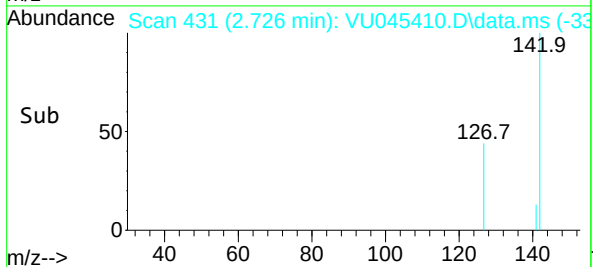
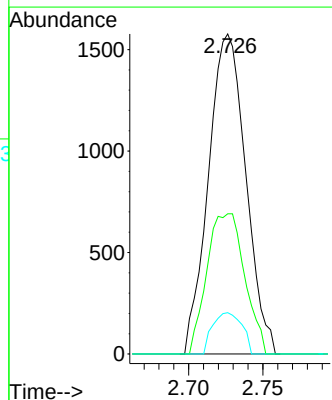
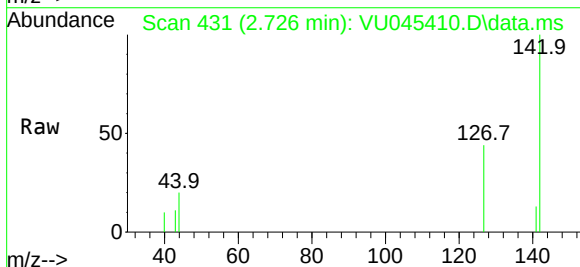
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

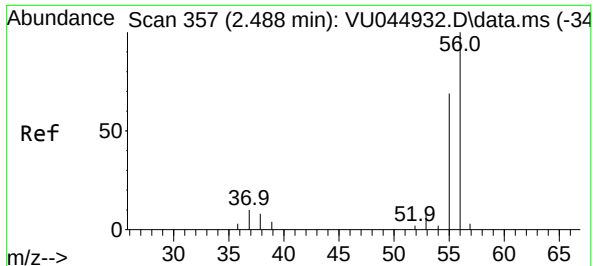
Tgt Ion: 94 Resp: 907
Ion Ratio Lower Upper
94 100
96 76.4 74.5 111.7



#10
Methyl Iodide
Concen: 1.016 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

Tgt Ion: 142 Resp: 2758
Ion Ratio Lower Upper
142 100
127 44.4 35.6 53.4
141 10.2 11.3 16.9#

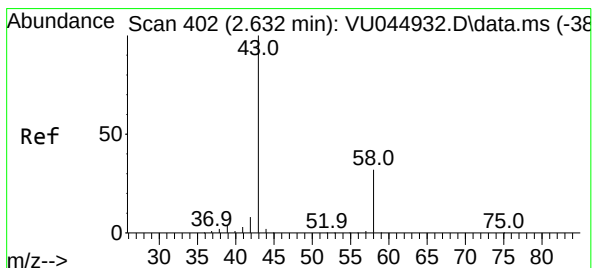
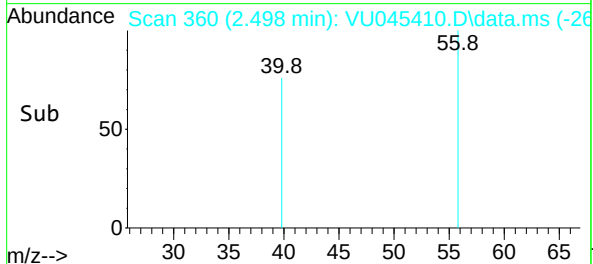
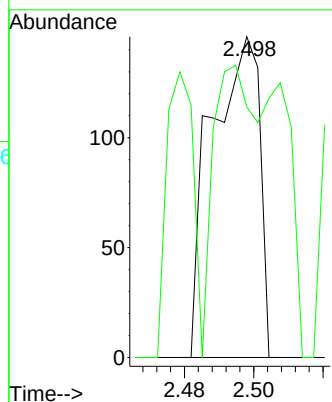
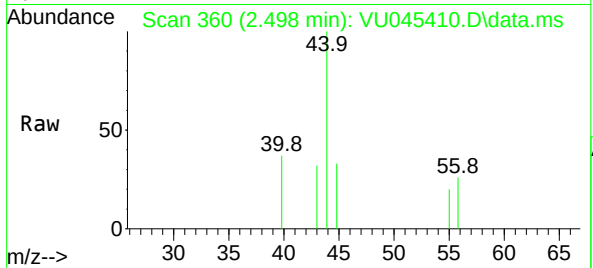




#13
Acrolein
Concen: 3.831 ug/l
RT: 2.498 min Scan# 30
Delta R.T. 0.010 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

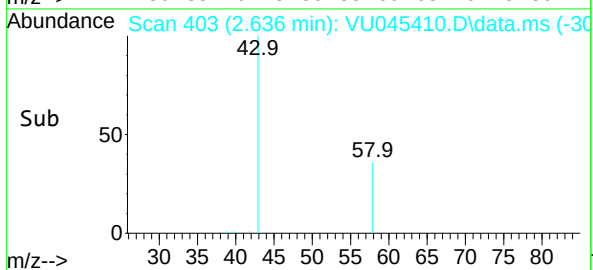
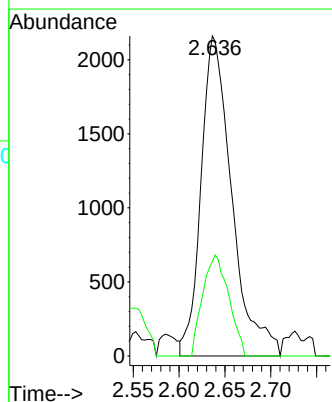
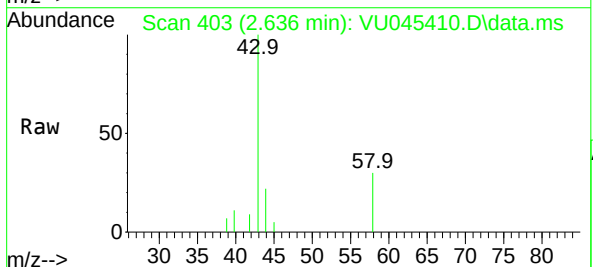
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

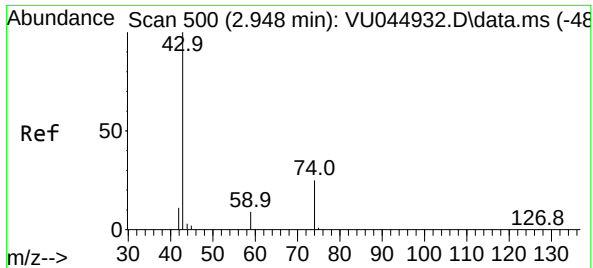
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 80.9 57.4 86.0



#16
Acetone
Concen: 2.411 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

Tgt Ion: 43 Resp: 5039
Ion Ratio Lower Upper
43 100
58 29.6 25.2 37.8

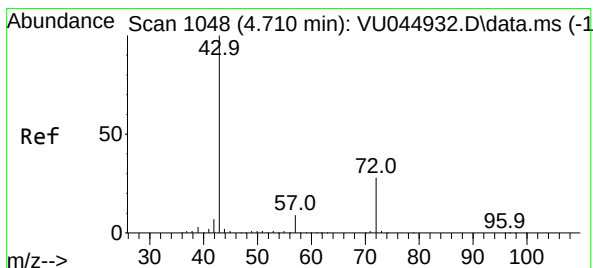
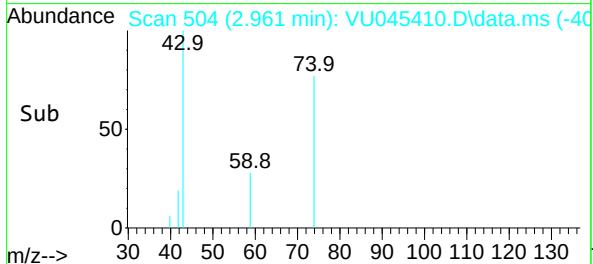
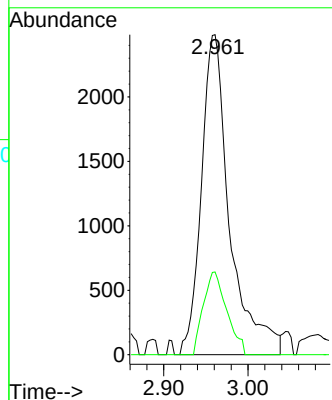
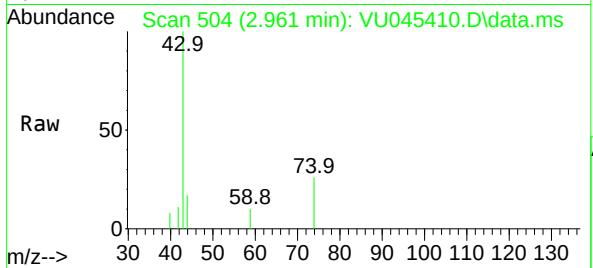




#18
Methyl Acetate
Concen: 0.951 ug/l
RT: 2.961 min Scan# 50
Delta R.T. 0.013 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

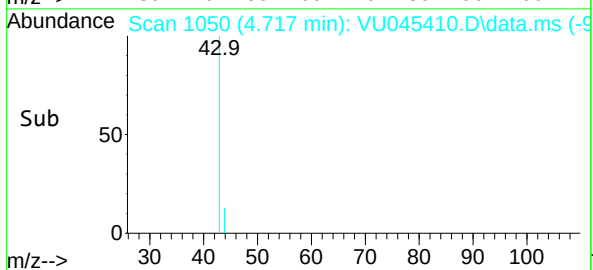
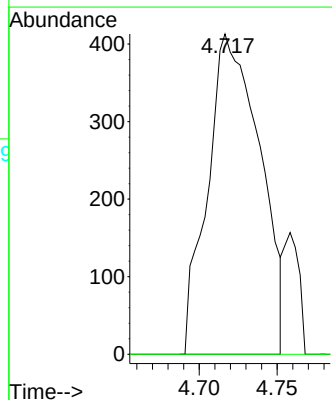
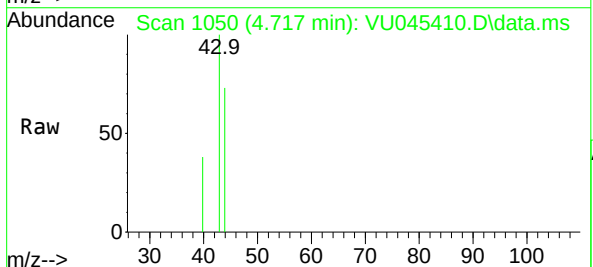
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

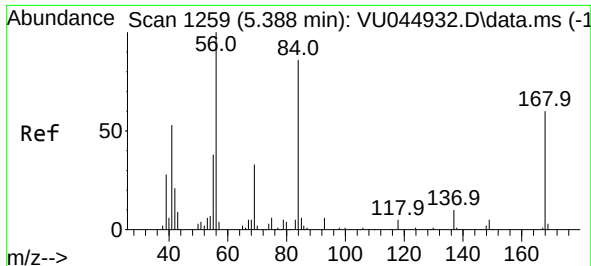
Tgt Ion: 43 Resp: 5811
Ion Ratio Lower Upper
43 100
74 21.4 19.0 28.6



#25
2-Butanone
Concen: 0.324 ug/l
RT: 4.717 min Scan# 1050
Delta R.T. 0.007 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
72 0.0 21.3 31.9#

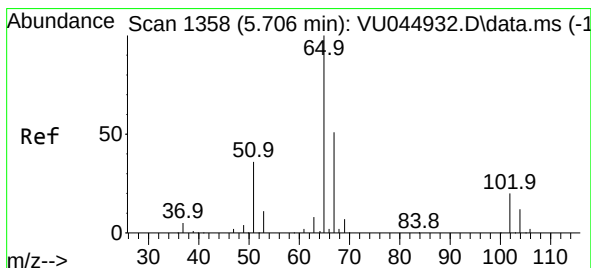
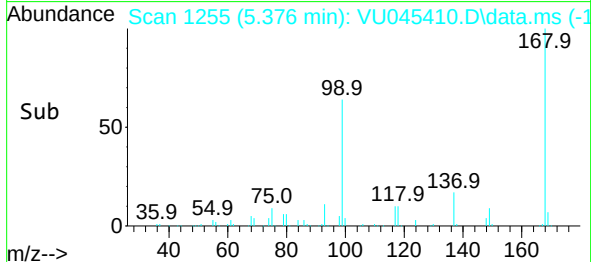
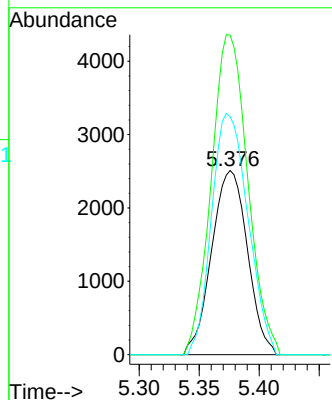
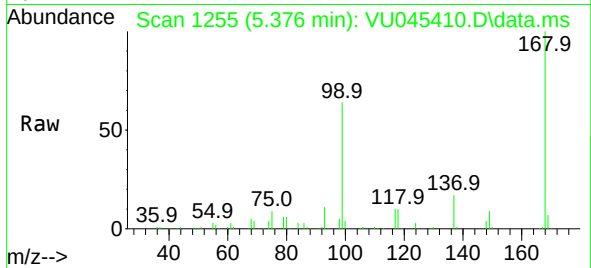




#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.376 min Scan# 11
Delta R.T. -0.012 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

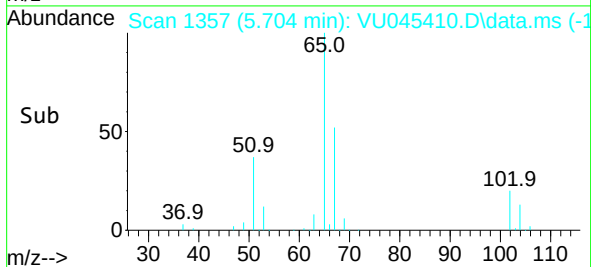
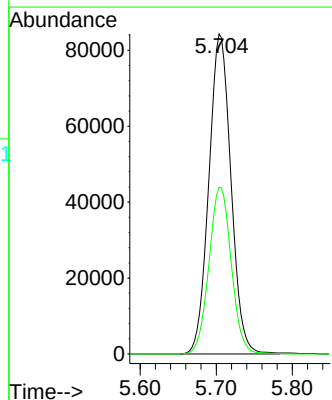
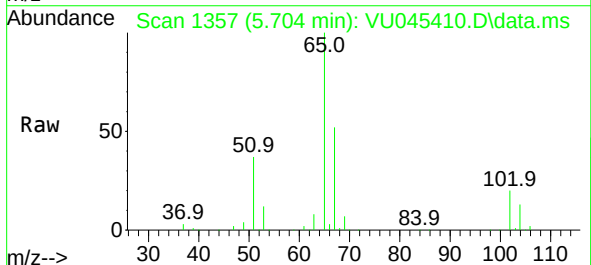
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BP-VPB-RW9-GW-238-240

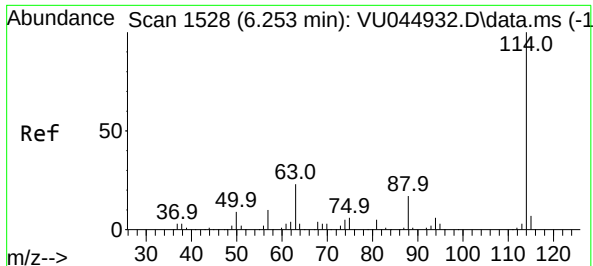
Tgt Ion: 56 Resp: 5215
Ion Ratio Lower Upper
56 100
69 173.6 25.2 37.8#
84 129.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.314 ug/l
RT: 5.704 min Scan# 1357
Delta R.T. -0.002 min
Lab File: VU045410.D
Acq: 26 Oct 2021 18:56

Tgt Ion: 65 Resp: 170134
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045410.D

Acq: 26 Oct 2021 18:56

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-238-240

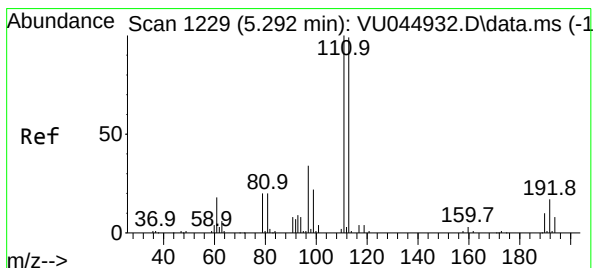
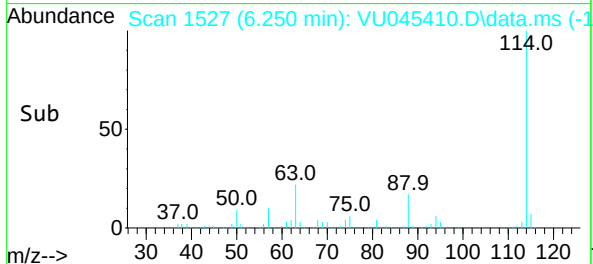
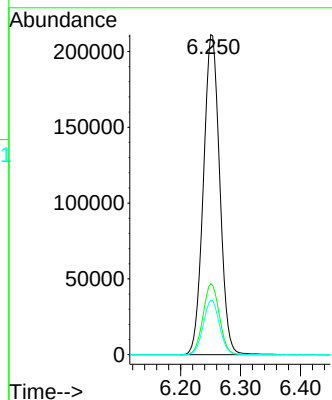
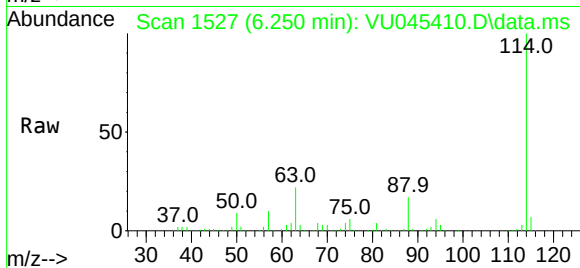
Tgt Ion:114 Resp: 399389

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.454 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU045410.D

Acq: 26 Oct 2021 18:56

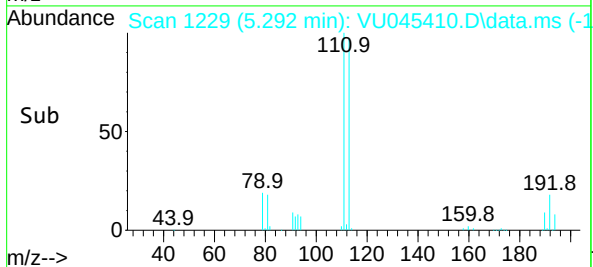
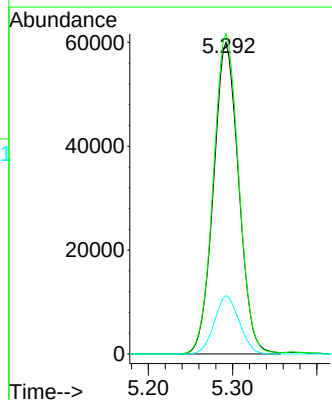
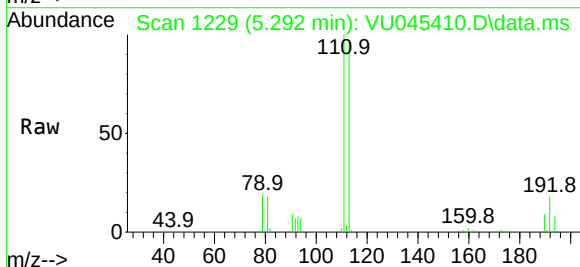
Tgt Ion:113 Resp: 124598

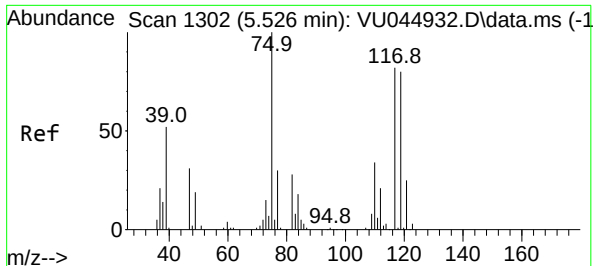
Ion Ratio Lower Upper

113 100

111 103.9 84.1 126.1

192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.533 ug/l

RT: 5.376 min Scan# 11

Delta R.T. -0.150 min

Lab File: VU045410.D

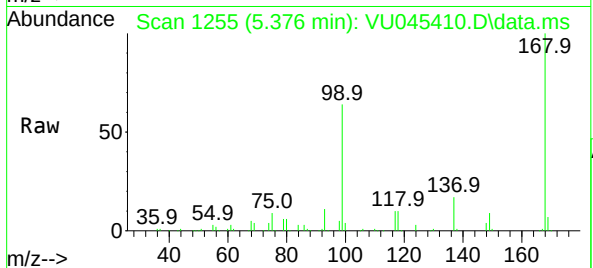
Acq: 26 Oct 2021 18:56

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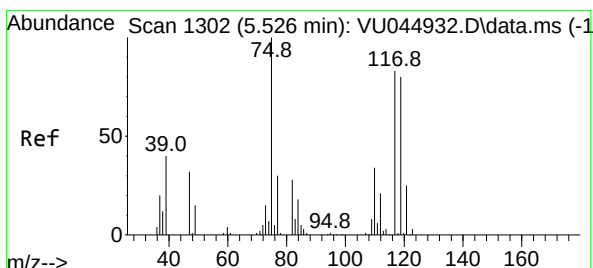
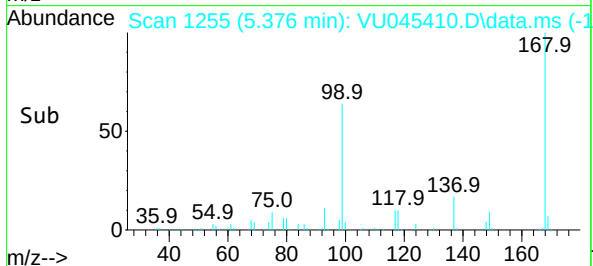
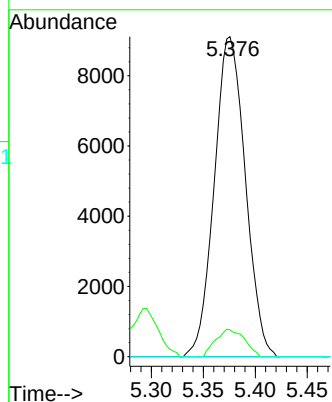
Tgt Ion: 75 Resp: 18932

Ion Ratio Lower Upper

75 100

110 7.9 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 5.376 min Scan# 1255

Delta R.T. -0.150 min

Lab File: VU045410.D

Acq: 26 Oct 2021 18:56

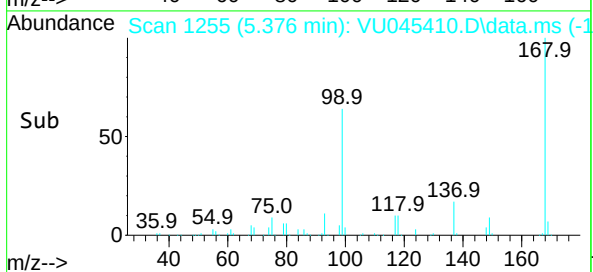
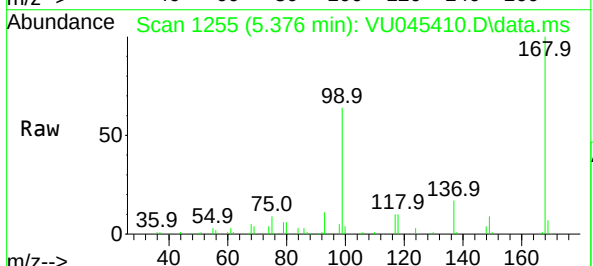
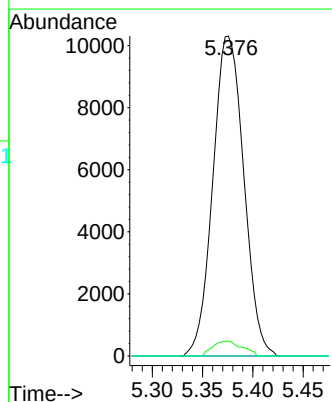
Tgt Ion: 117 Resp: 22031

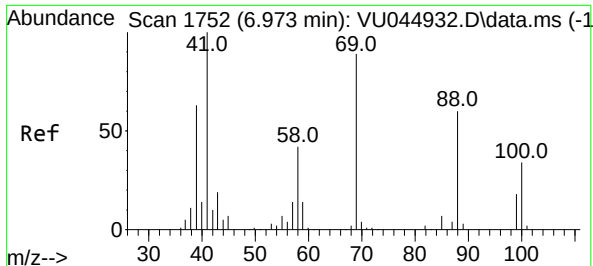
Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.987 min Scan# 1

Delta R.T. 0.014 min

Lab File: VU045410.D

Acq: 26 Oct 2021 18:56

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-238-240

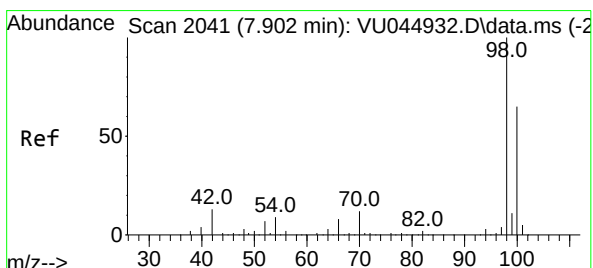
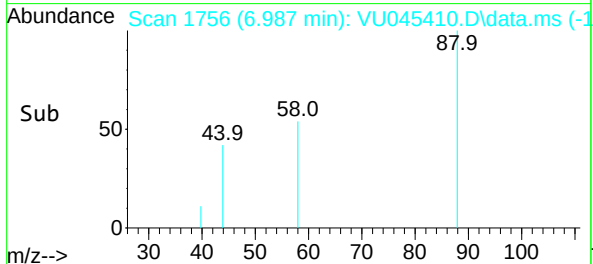
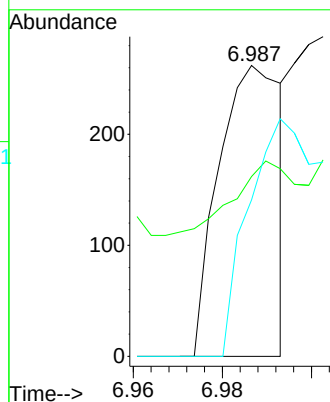
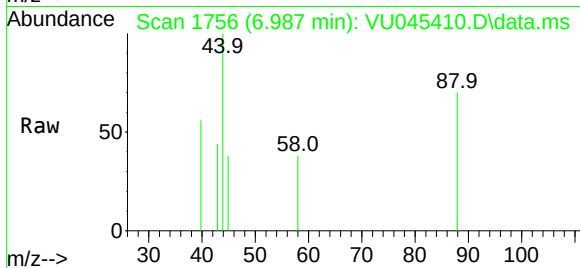
Tgt Ion: 88 Resp: 254

Ion Ratio Lower Upper

88 100

43 17.3 25.8 38.6#

58 77.6 61.3 91.9



#50

Toluene-d8

Concen: 49.779 ug/l

RT: 7.900 min Scan# 2040

Delta R.T. -0.002 min

Lab File: VU045410.D

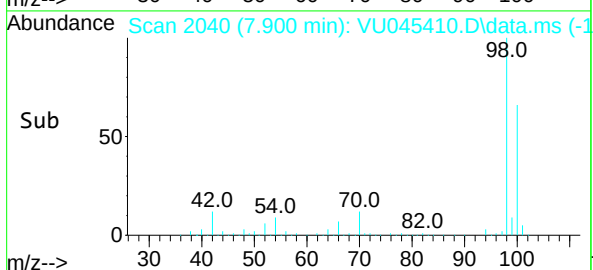
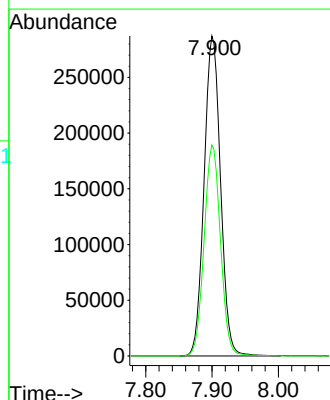
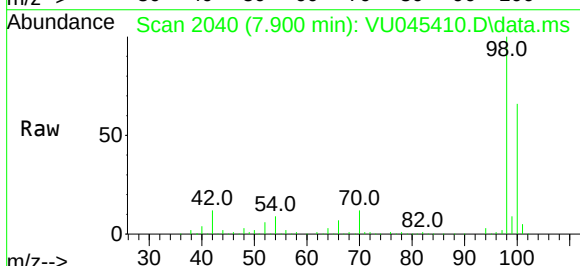
Acq: 26 Oct 2021 18:56

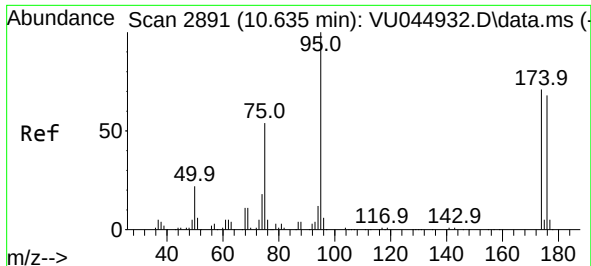
Tgt Ion: 98 Resp: 495543

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 41.377 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.001 min

Lab File: VU045410.D

Acq: 26 Oct 2021 18:56

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-238-240

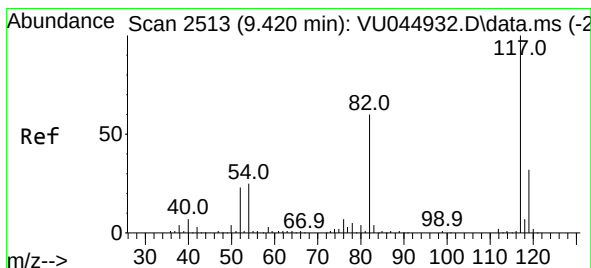
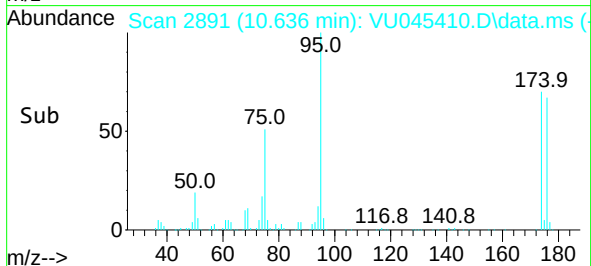
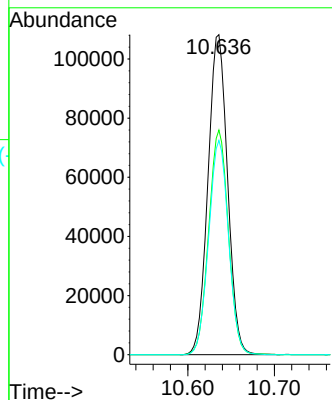
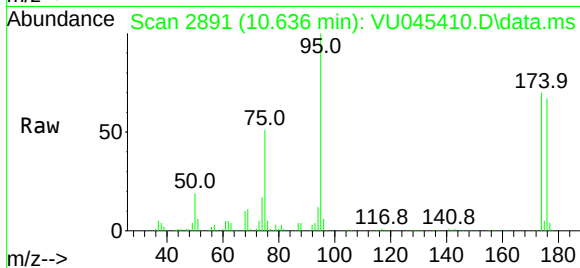
Tgt Ion: 95 Resp: 170055

Ion Ratio Lower Upper

95 100

174 70.4 0.0 146.6

176 67.5 0.0 141.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.421 min Scan# 2513

Delta R.T. 0.001 min

Lab File: VU045410.D

Acq: 26 Oct 2021 18:56

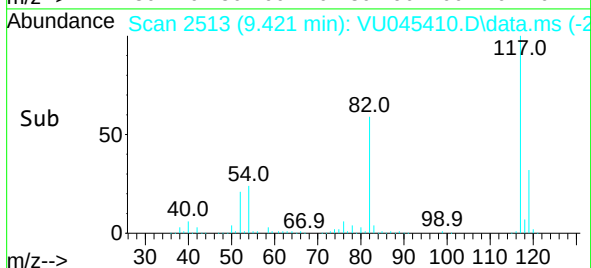
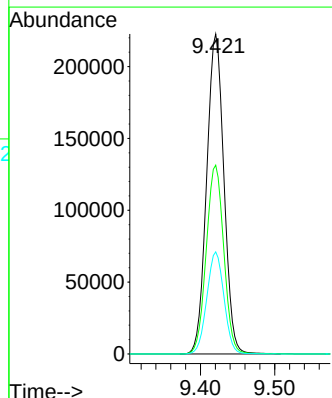
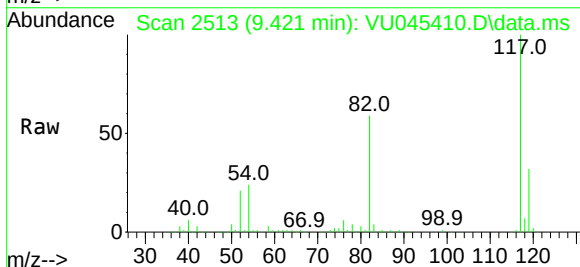
Tgt Ion: 117 Resp: 359511

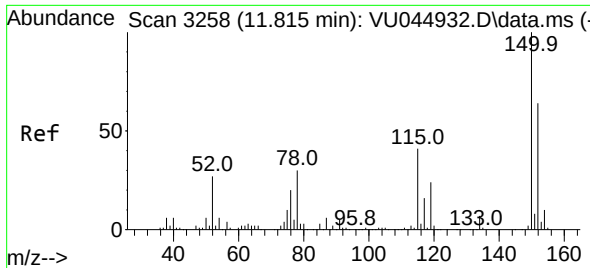
Ion Ratio Lower Upper

117 100

82 59.0 47.8 71.8

119 31.9 25.8 38.6

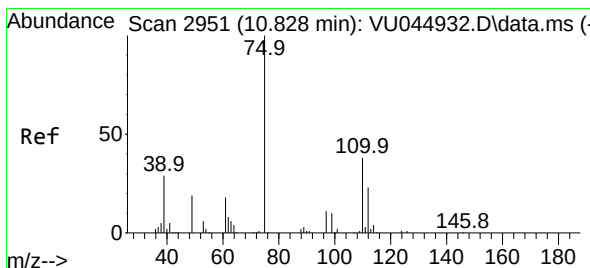
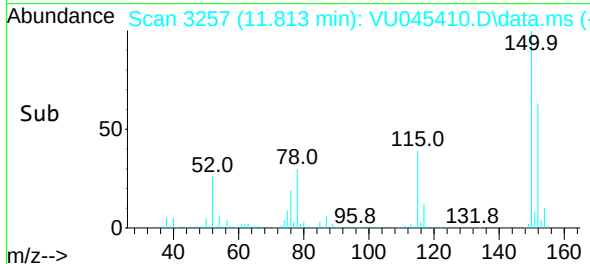
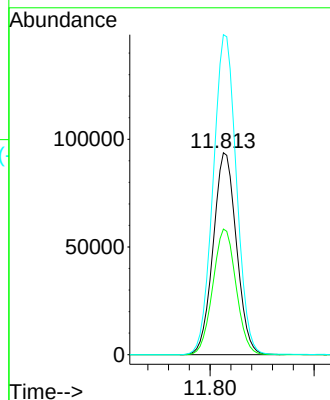
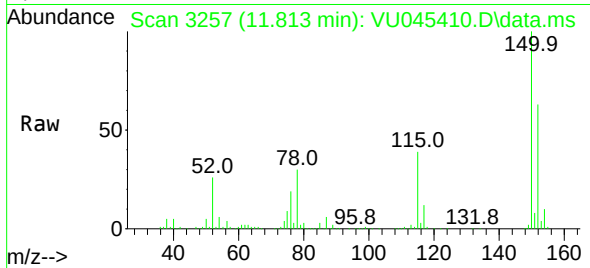




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.813 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: VU045410.D
 Acq: 26 Oct 2021 18:56

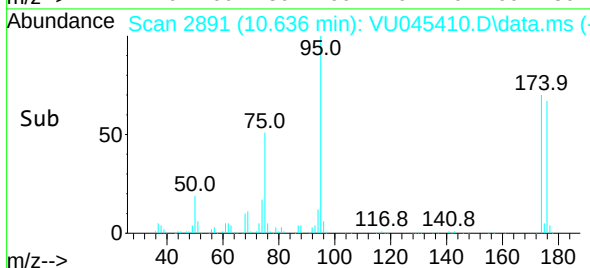
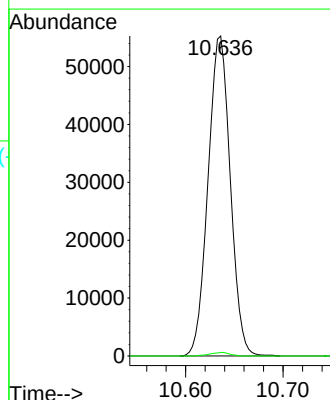
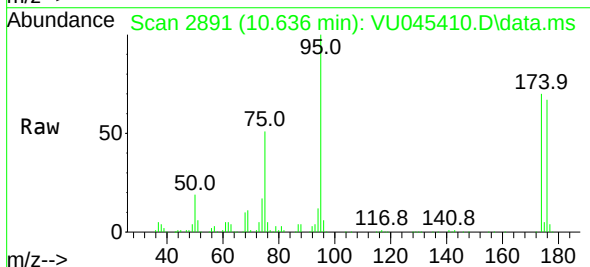
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-GW-238-240

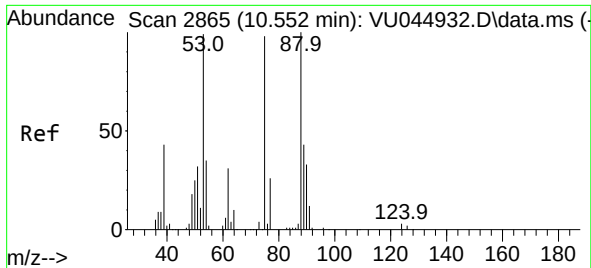
Tgt Ion:152 Resp: 145736
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.5 130.7
 150 158.5 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.646 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045410.D
 Acq: 26 Oct 2021 18:56

Tgt Ion: 75 Resp: 87761
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.295 ug/l
 RT: 10.636 min Scan# 21
 Delta R.T. 0.084 min
 Lab File: VU045410.D
 Acq: 26 Oct 2021 18:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-GW-238-240

Tgt Ion: 75 Resp: 87761
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

