

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045579.D
 Acq On : 05 Nov 2021 23:51
 Operator : SY/MD
 Sample : M4508-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-TB-20211101

Quant Time: Nov 06 21:49:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

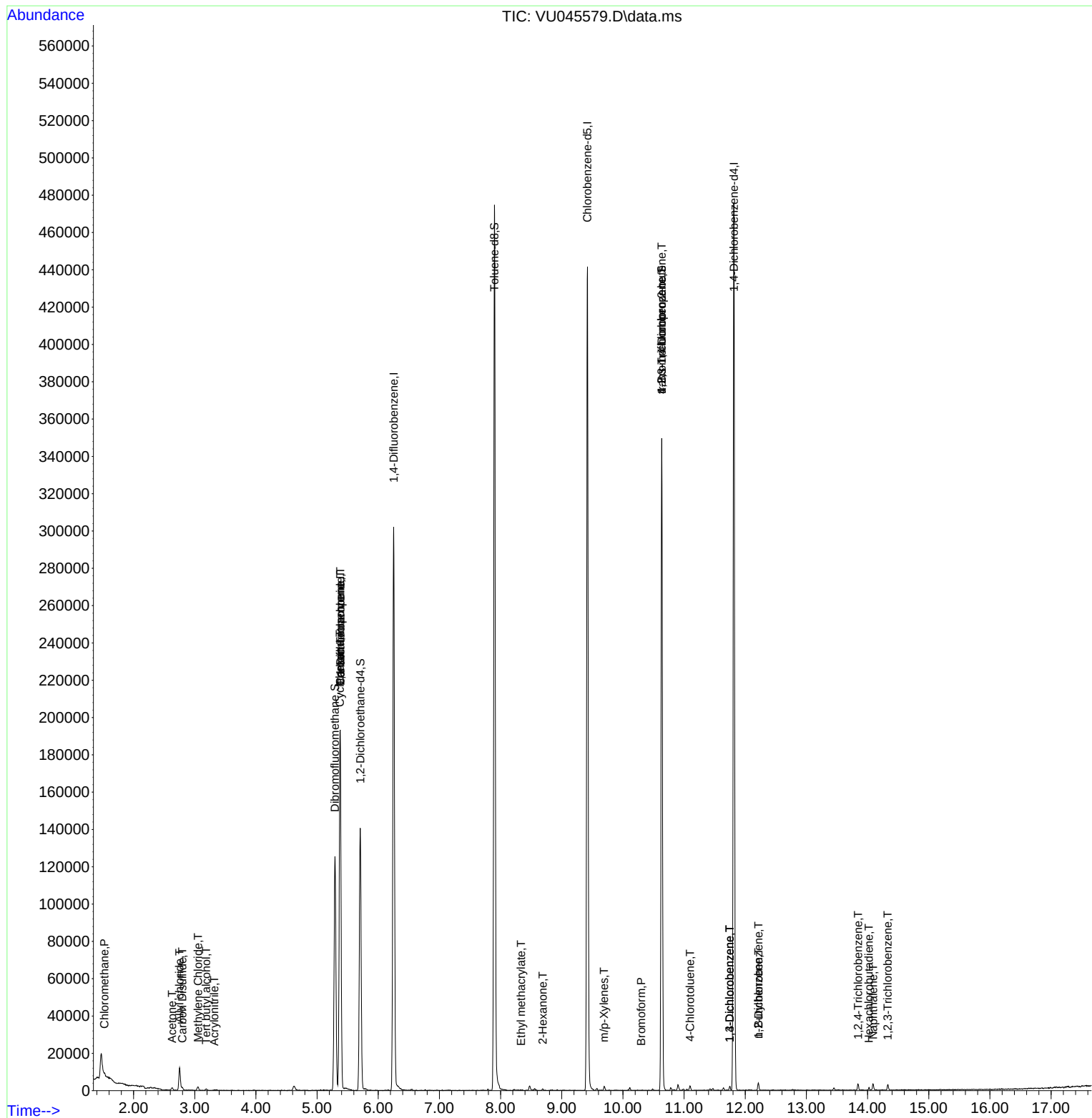
Internal Standards						
1) Pentafluorobenzene	5.378	168	126558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	238264	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	238914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	116574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	104125	54.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.880%			
35) Dibromofluoromethane	5.292	113	81357	51.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.280%			
50) Toluene-d8	7.899	98	314226	53.121	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.240%			
62) 4-Bromofluorobenzene	10.635	95	117169	49.397	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.800%			
Target Compounds						Qvalue
3) Chloromethane	1.523	50	517	0.275	ug/l #	82
11) Tert butyl alcohol	3.186	59	486	1.295	ug/l #	72
14) Allyl chloride	2.751	41	1101	0.443	ug/l #	63
15) Acrylonitrile	3.317	53	284	0.284	ug/l #	23
16) Acetone	2.629	43	1815	1.881	ug/l	98
17) Carbon Disulfide	2.796	76	1548	0.397	ug/l #	75
20) Methylene Chloride	3.054	84	1020	0.608	ug/l #	85
31) Cyclohexane	5.372	56	3101	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	11223	4.831	ug/l #	49
38) Carbon Tetrachloride	5.378	117	13627	5.818	ug/l #	16
56) Ethyl methacrylate	8.333	69	19	2.430	ug/l #	26
59) 2-Hexanone	8.690	43	612	7.788	ug/l	97
68) m/p-Xylenes	9.693	106	741	0.234	ug/l	84
71) Bromoform	10.301	173	42	3.112	ug/l #	29
76) 1,2,3-Trichloropropane	10.635	75	60742	17.182	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	60742	55.911	ug/l #	12
82) 4-Chlorotoluene	11.098	91	1522	0.232	ug/l	99
87) 1,3-Dichlorobenzene	11.745	146	1146	0.307	ug/l	82
88) 1,4-Dichlorobenzene	11.745	146	1146	0.304	ug/l	83
89) n-Butylbenzene	12.214	91	1909	0.282	ug/l	85
91) 1,2-Dichlorobenzene	12.214	146	770	0.212	ug/l	86
93) 1,2,4-Trichlorobenzene	13.844	180	1326	0.528	ug/l	86
94) Hexachlorobutadiene	14.021	225	384	0.354	ug/l	92
95) Naphthalene	14.092	128	3225	1.364	ug/l	98
96) 1,2,3-Trichlorobenzene	14.330	180	1171	0.470	ug/l	93

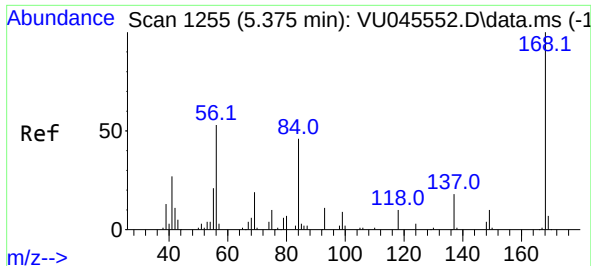
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
BP-VPB-RW9-TB-20211101

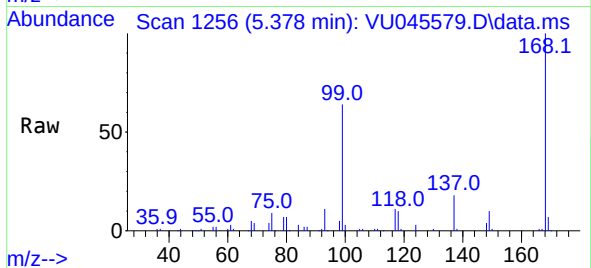
Quant Time: Nov 06 21:49:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
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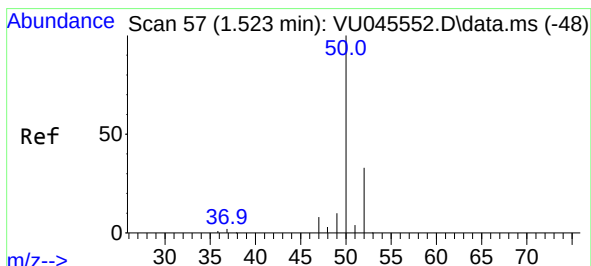
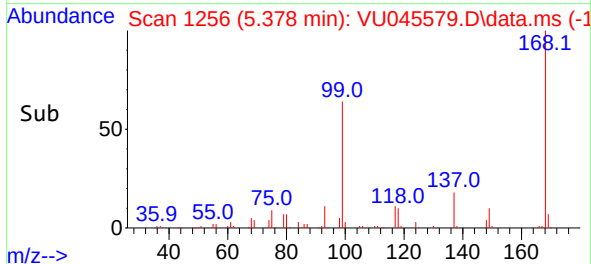
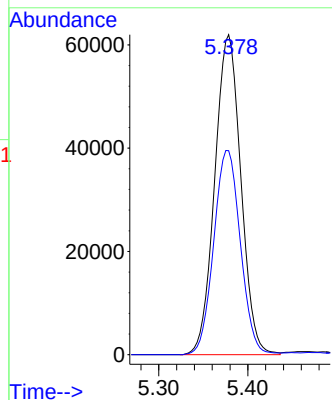


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

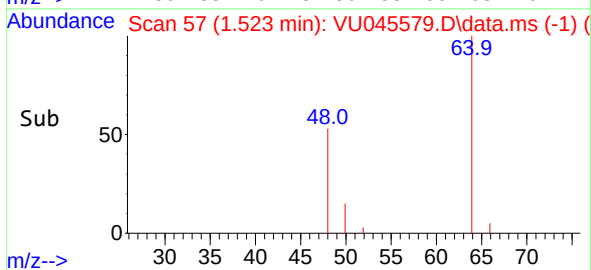
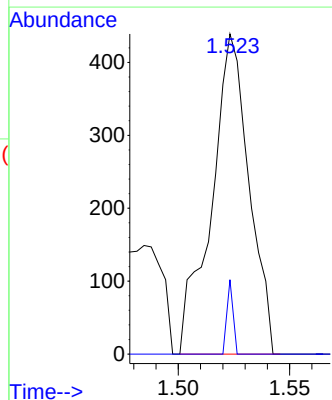
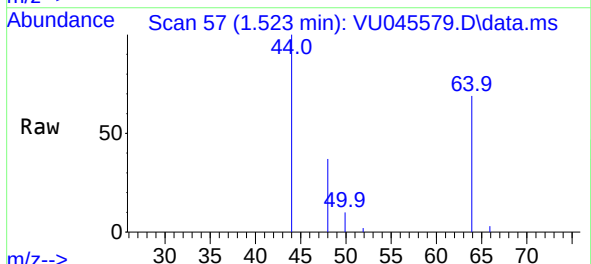


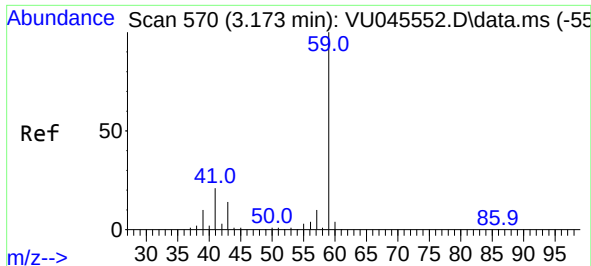
Tgt Ion:168 Resp: 126558
Ion Ratio Lower Upper
168 100
99 63.8 51.0 76.6



#3
Chloromethane
Concen: 0.275 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 23.2 26.6 40.0#

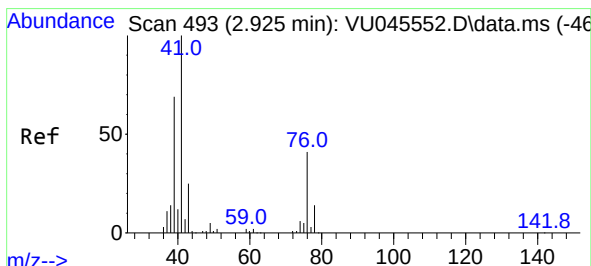
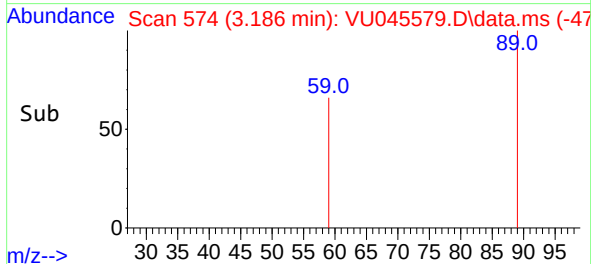
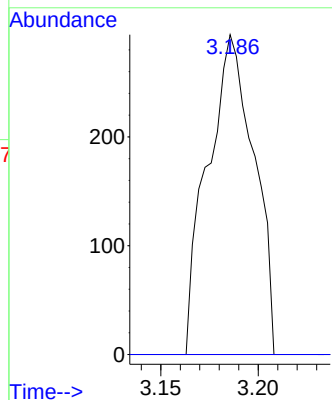
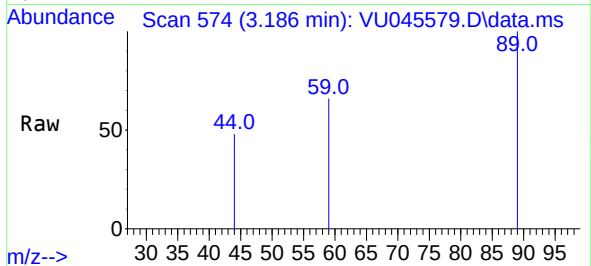




#11
Tert butyl alcohol
Concen: 1.295 ug/l
RT: 3.186 min Scan# 51
Delta R.T. 0.013 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

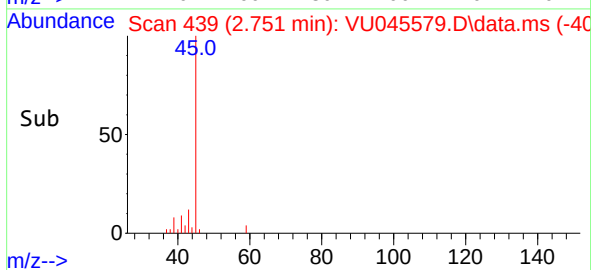
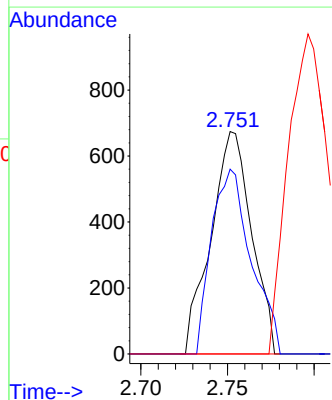
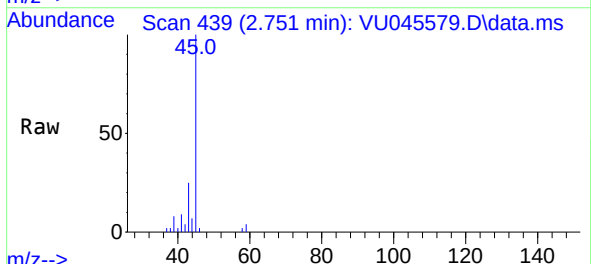
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MSVOA_U
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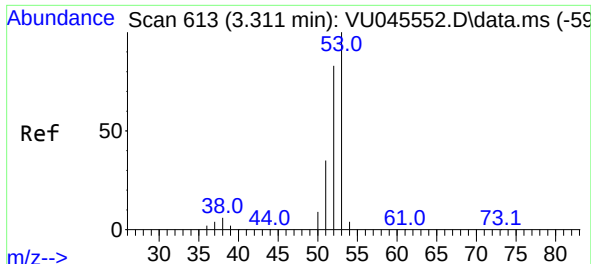
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.443 ug/l
RT: 2.751 min Scan# 439
Delta R.T. -0.174 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 41 Resp: 1101
Ion Ratio Lower Upper
41 100
39 81.0 49.7 74.5#
76 0.0 27.7 41.5#

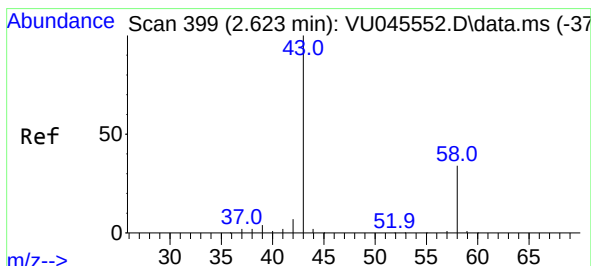
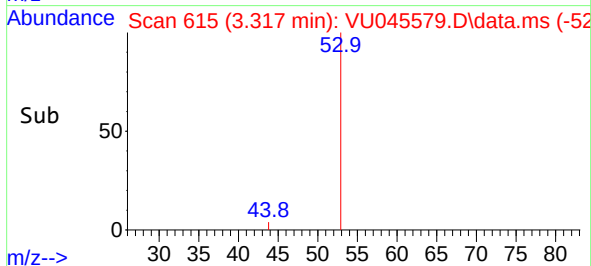
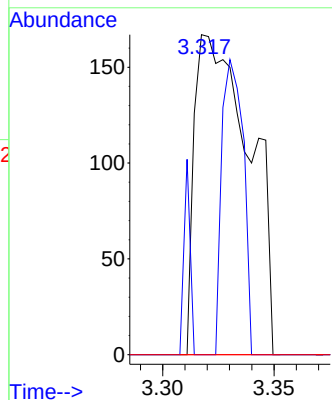
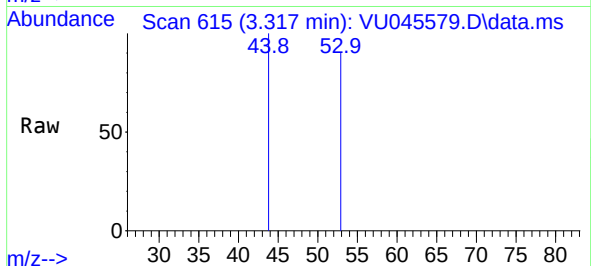




#15
Acrylonitrile
Concen: 0.284 ug/l
RT: 3.317 min Scan# 613
Delta R.T. 0.006 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

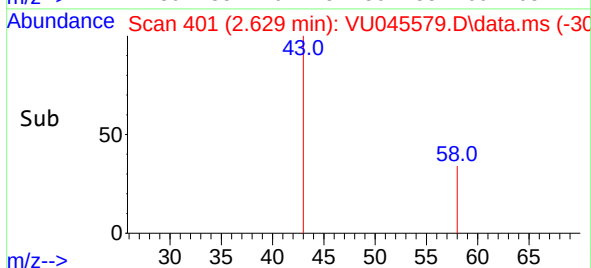
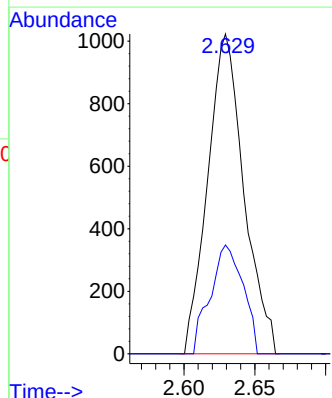
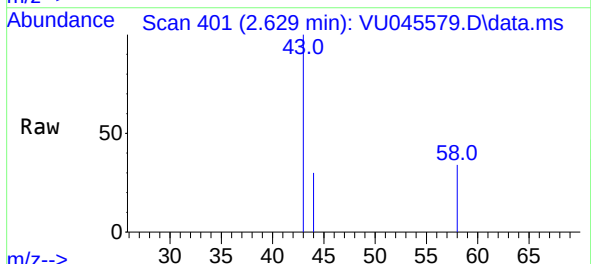
Instrument :
MSVOA_U
ClientSampleId :
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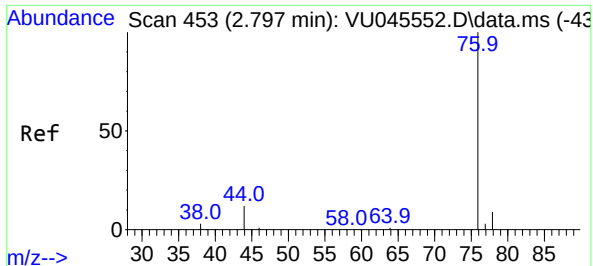
Tgt Ion: 53 Resp: 284
Ion Ratio Lower Upper
53 100
52 7.0 66.6 100.0#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 1.881 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.006 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 34.0 26.2 39.2

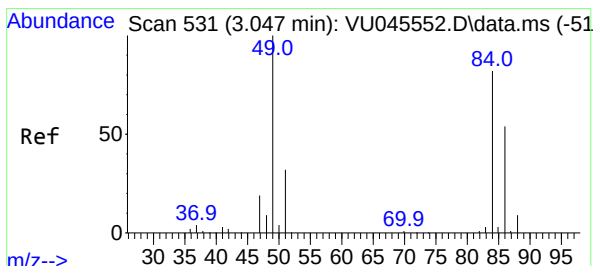
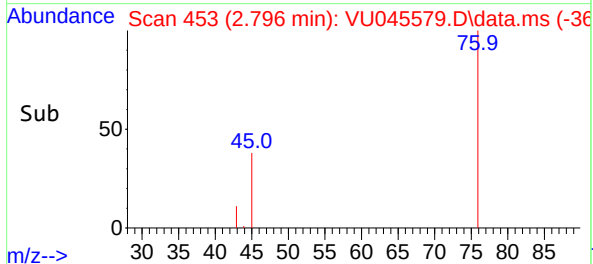
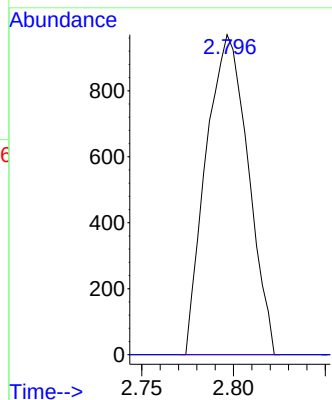
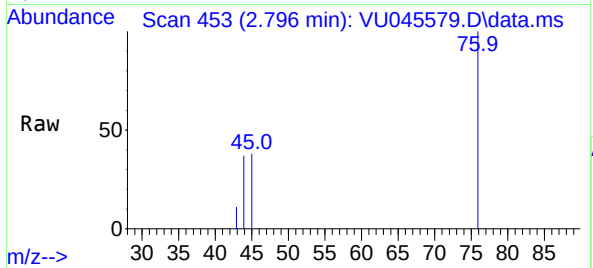




#17
Carbon Disulfide
Concen: 0.397 ug/l
RT: 2.796 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

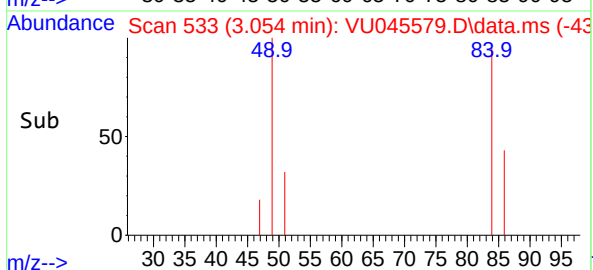
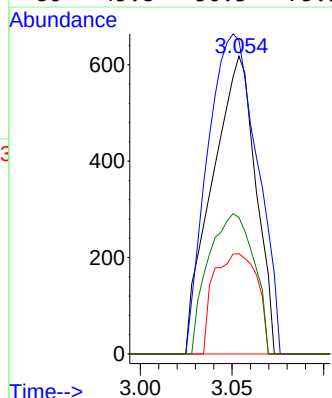
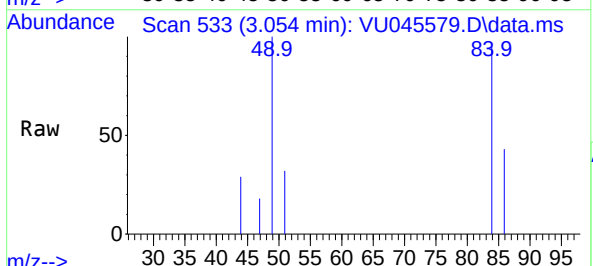
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

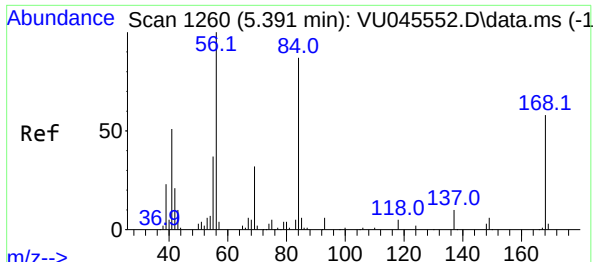
Tgt Ion: 76 Resp: 1548
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 0.608 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.006 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 84 Resp: 1020
Ion Ratio Lower Upper
84 100
49 105.3 96.4 144.6
51 33.7 30.5 45.7
86 45.8 50.3 75.5#





#31

Cyclohexane

Concen: 1.121 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU045579.D

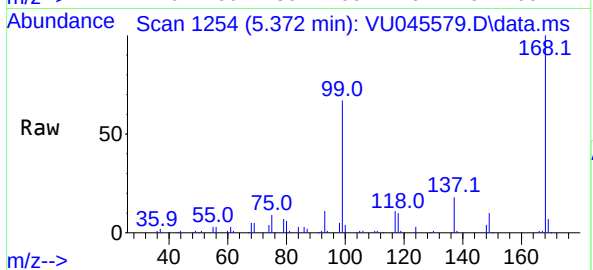
Acq: 05 Nov 2021 23:51

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-TB-20211101



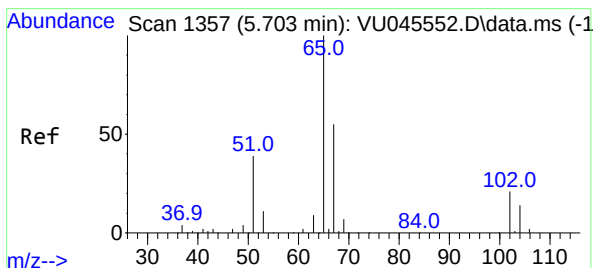
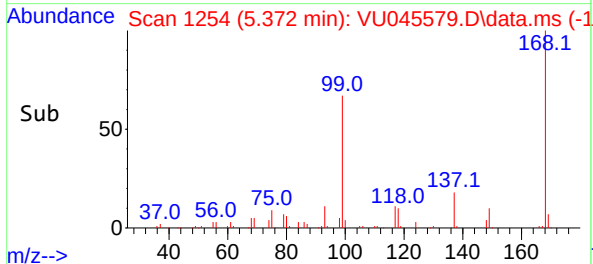
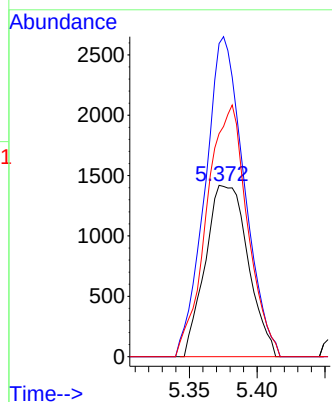
Tgt Ion: 56 Resp: 3101

Ion Ratio Lower Upper

56 100

69 182.8 26.4 39.6#

84 130.2 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 54.937 ug/l

RT: 5.706 min Scan# 1358

Delta R.T. 0.003 min

Lab File: VU045579.D

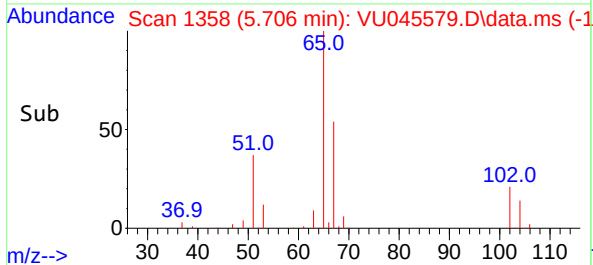
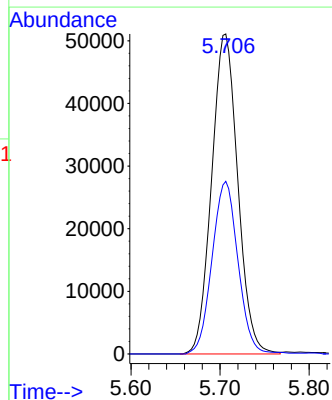
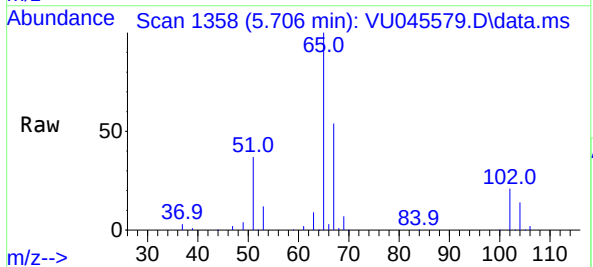
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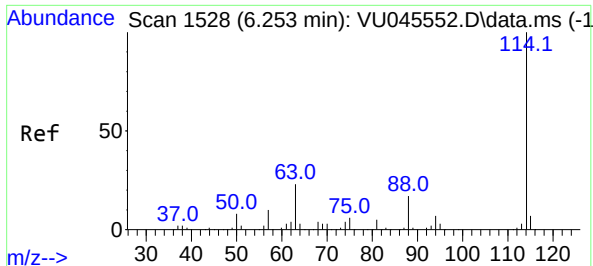
Tgt Ion: 65 Resp: 104125

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU045579.D

Acq: 05 Nov 2021 23:51

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-TB-20211101

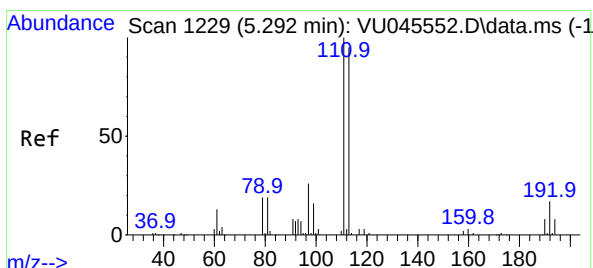
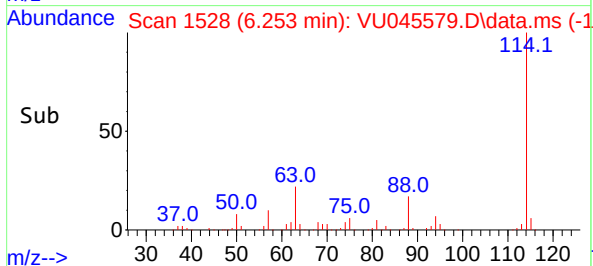
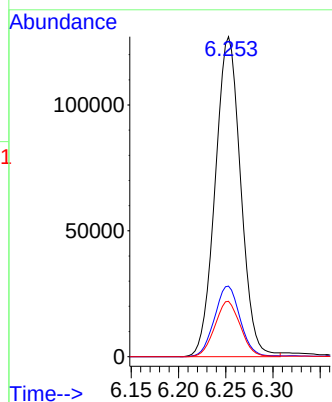
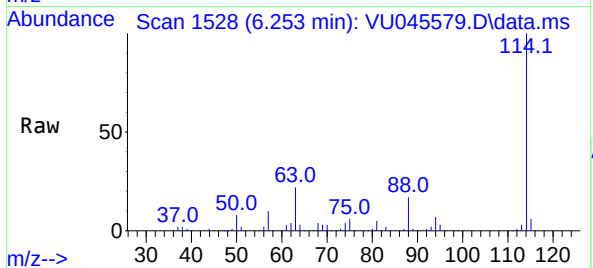
Tgt Ion:114 Resp: 238264

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 17.3 0.0 33.8



#35

Dibromofluoromethane

Concen: 51.143 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045579.D

Acq: 05 Nov 2021 23:51

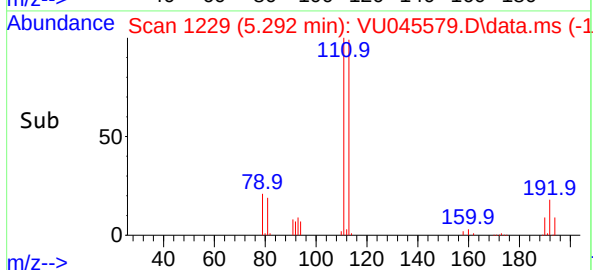
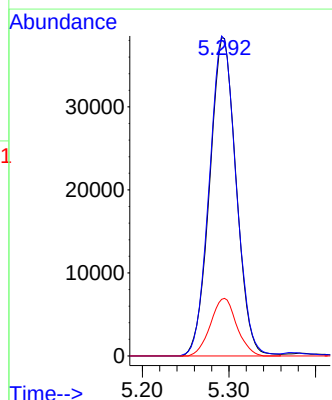
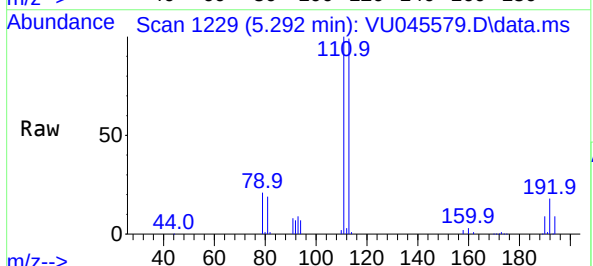
Tgt Ion:113 Resp: 81357

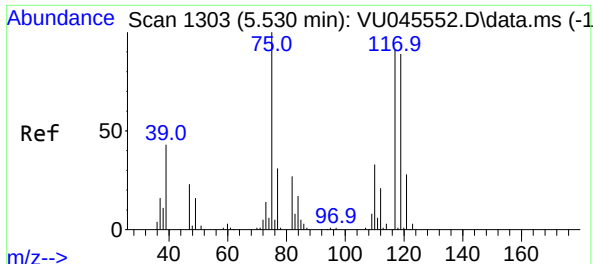
Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 17.9 14.8 22.2

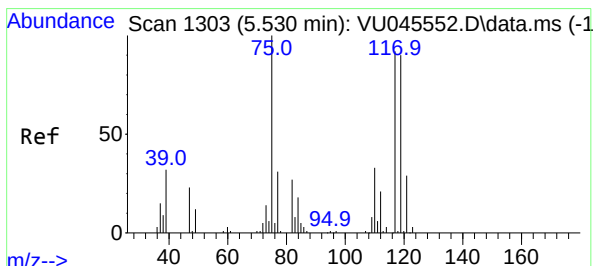
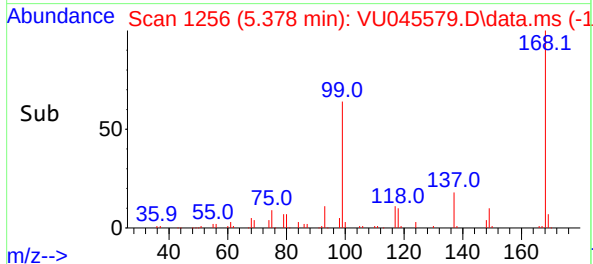
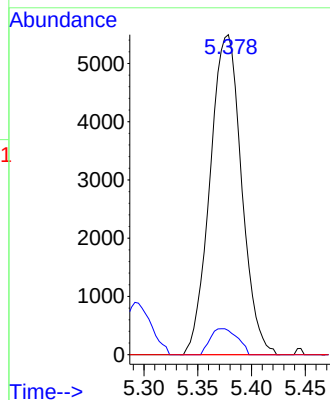
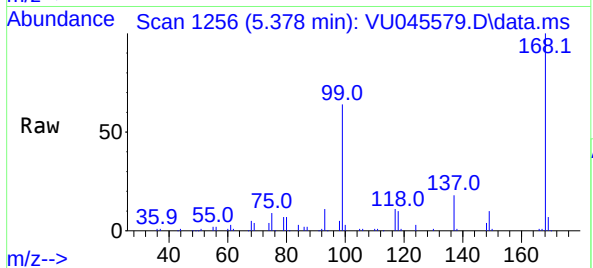




#36
1,1-Dichloropropene
Concen: 4.831 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

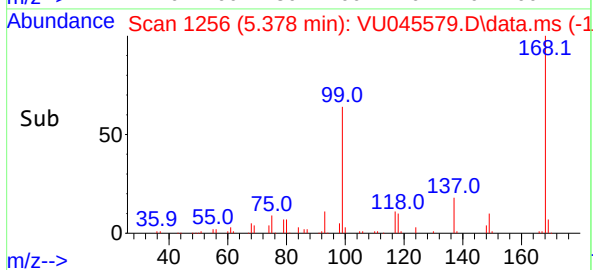
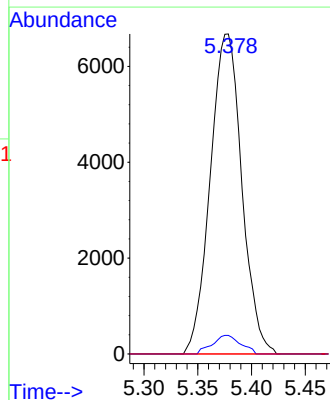
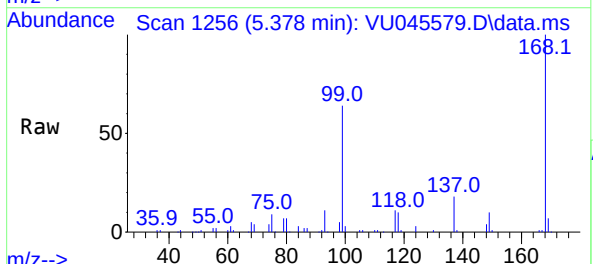
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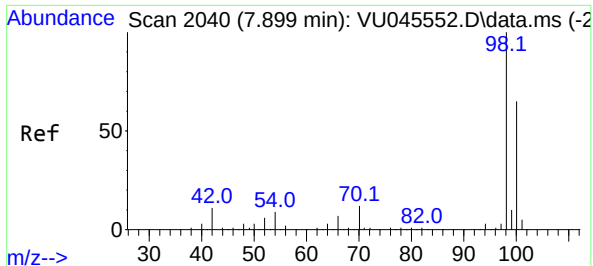
Tgt Ion: 75 Resp: 11223
Ion Ratio Lower Upper
75 100
110 7.0 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.818 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion:117 Resp: 13627
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 24.8 37.2#

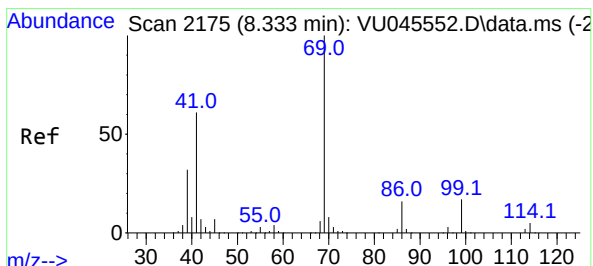
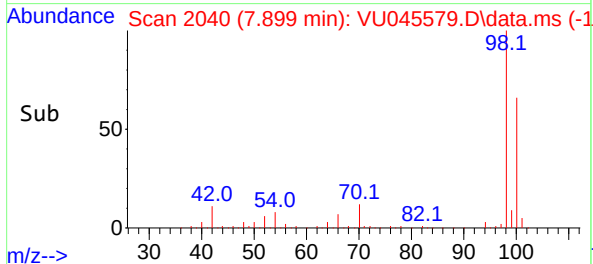
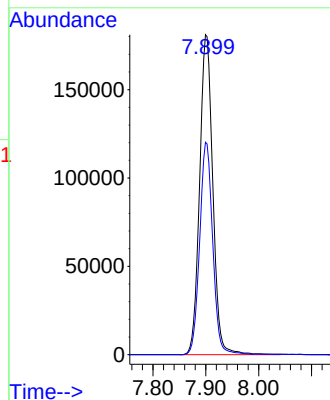
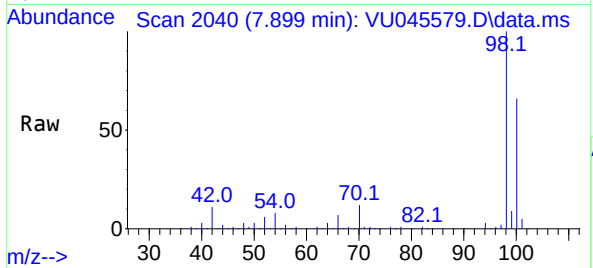




#50
Toluene-d8
Concen: 53.121 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

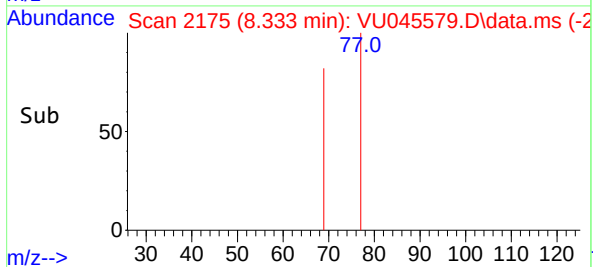
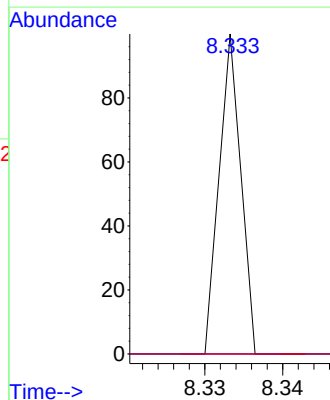
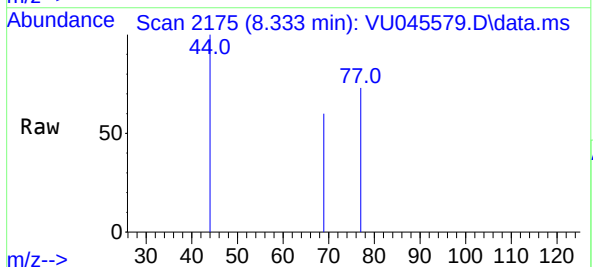
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

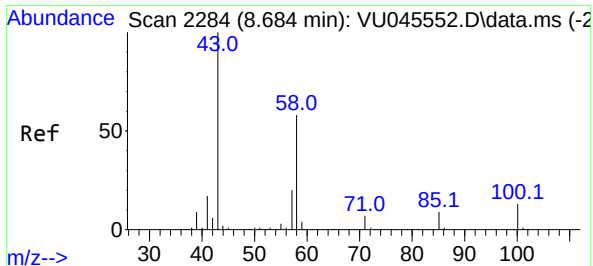
Tgt Ion: 98 Resp: 314226
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#56
Ethyl methacrylate
Concen: 2.430 ug/l
RT: 8.333 min Scan# 2175
Delta R.T. 0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 39.8#

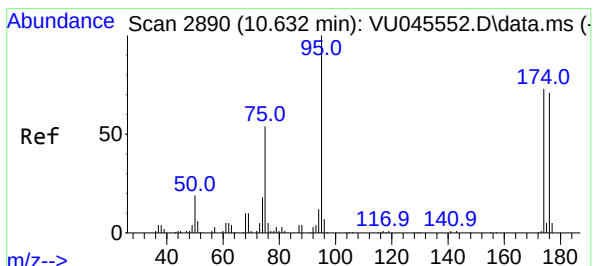
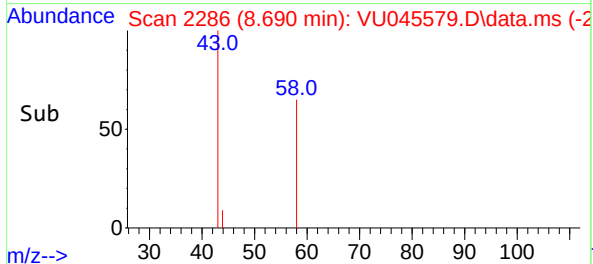
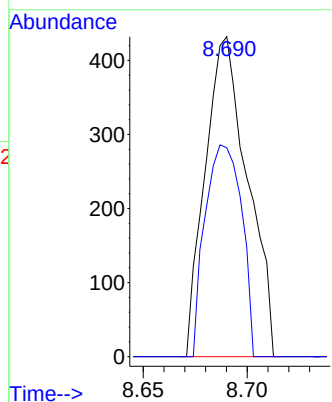
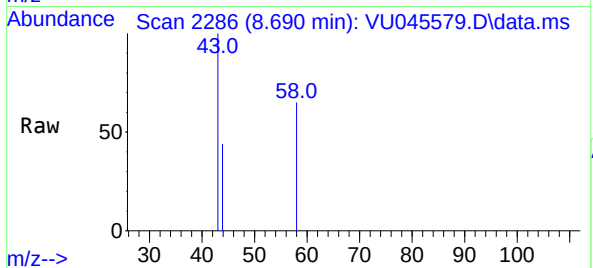




#59
2-Hexanone
Concen: 7.788 ug/l
RT: 8.690 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

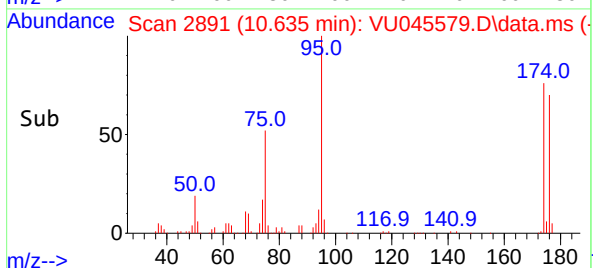
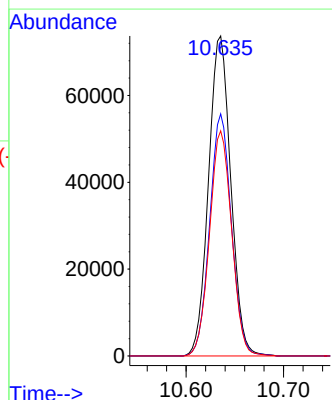
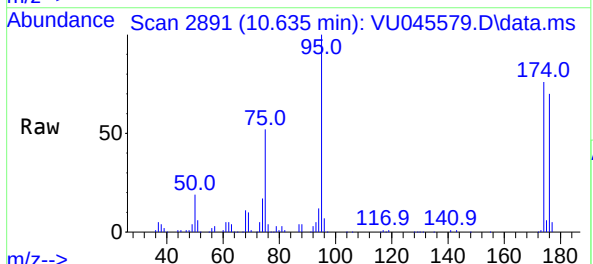
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

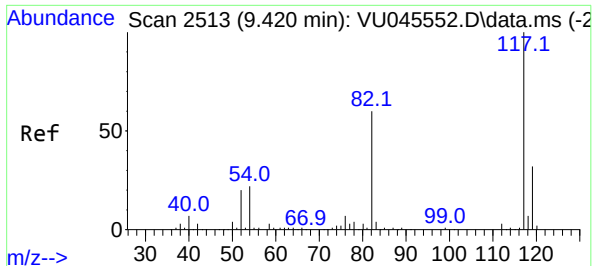
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 56.7 29.5 88.6



#62
4-Bromofluorobenzene
Concen: 49.397 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 95 Resp: 117169
Ion Ratio Lower Upper
95 100
174 74.0 0.0 141.8
176 69.9 0.0 138.2

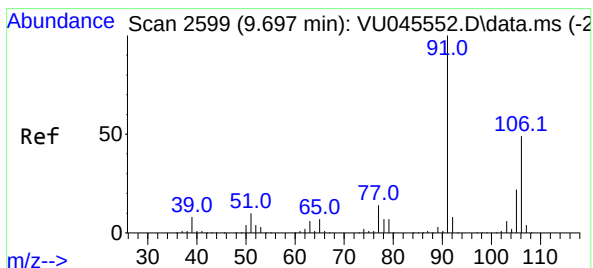
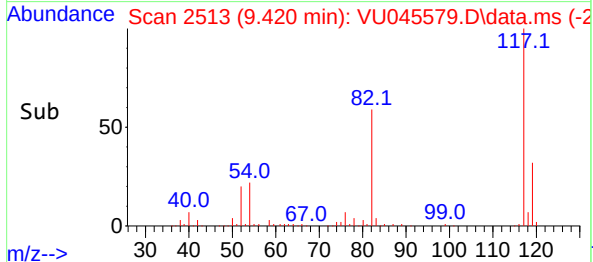
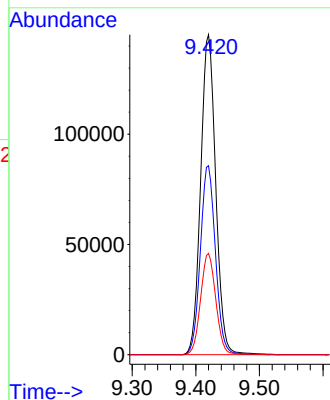
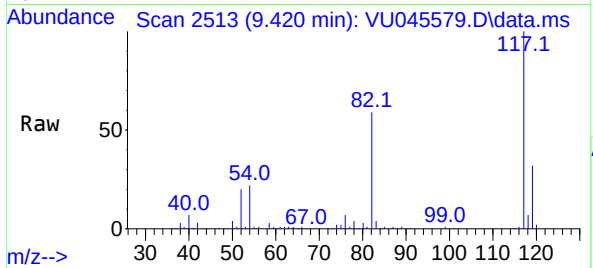




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

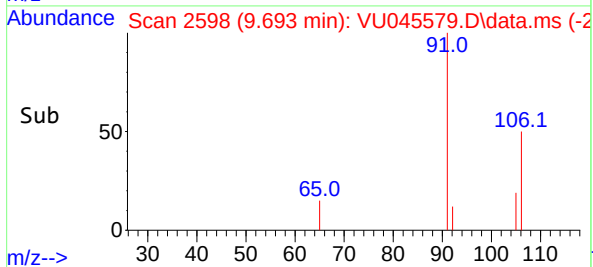
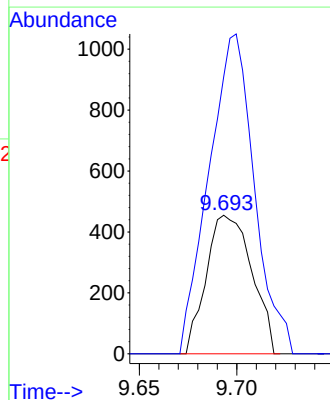
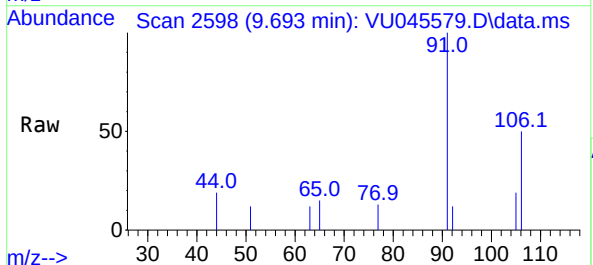
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

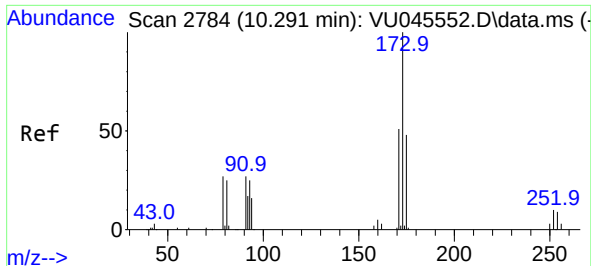
Tgt Ion:117 Resp: 238914
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.8
119 31.6 25.8 38.8



#68
m/p-Xylenes
Concen: 0.234 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion:106 Resp: 741
Ion Ratio Lower Upper
106 100
91 229.8 164.7 247.1

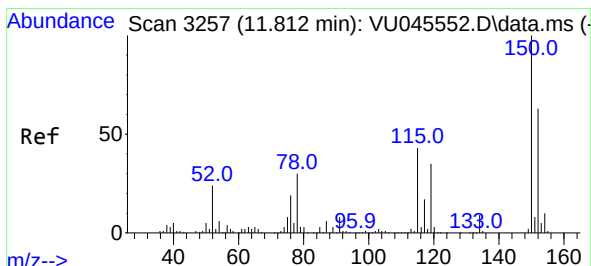
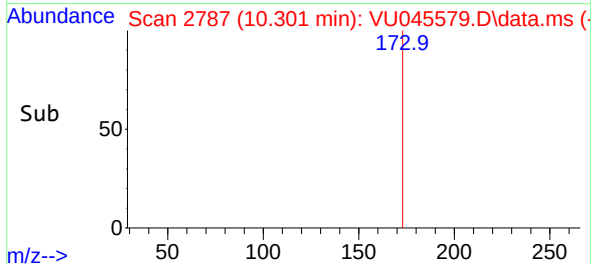
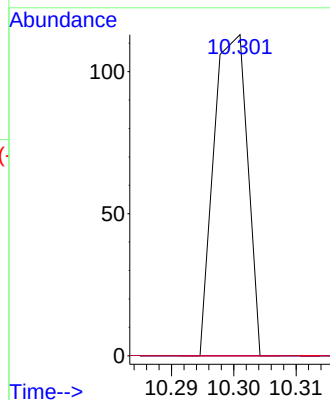
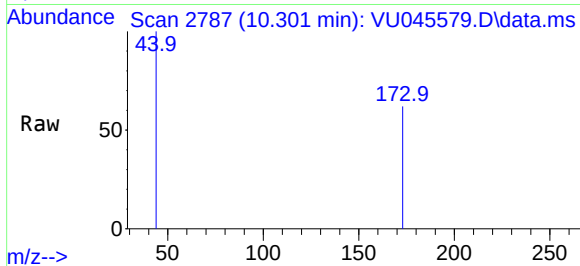




#71
Bromoform
Concen: 3.112 ug/l
RT: 10.301 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

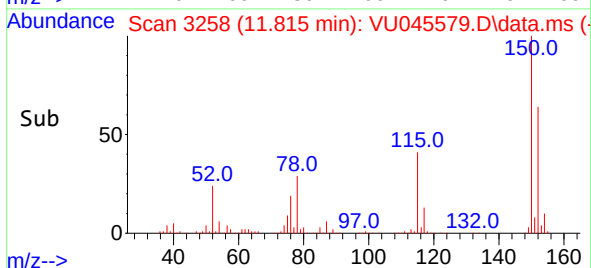
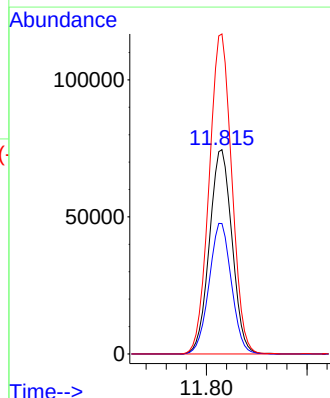
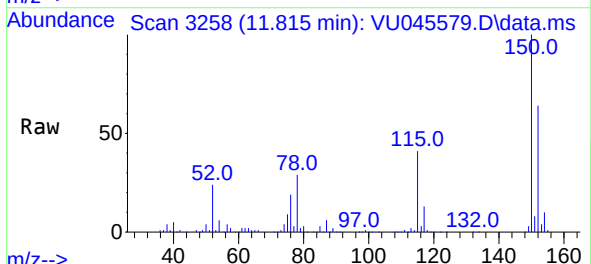
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

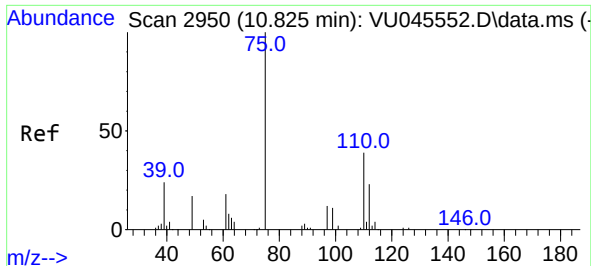
Tgt Ion:173 Resp: 42
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion:152 Resp: 116574
Ion Ratio Lower Upper
152 100
115 63.0 42.7 128.1
150 156.5 0.0 346.8

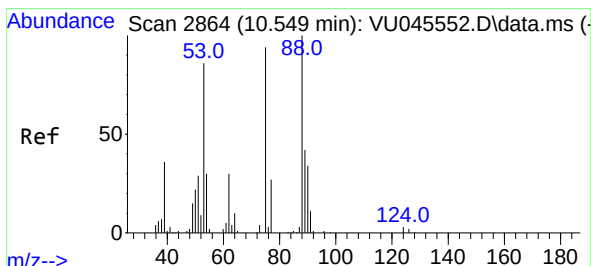
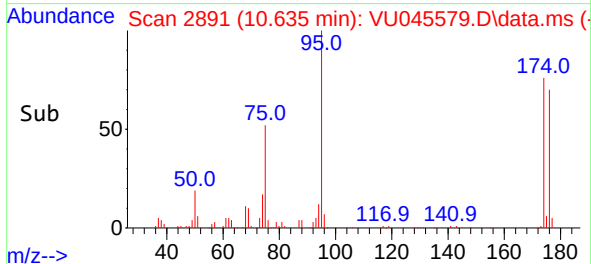
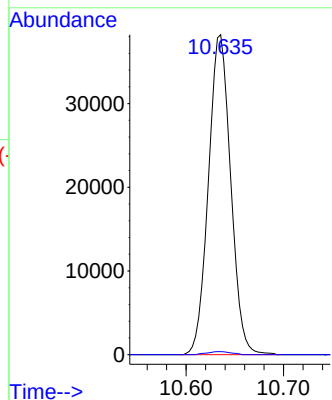
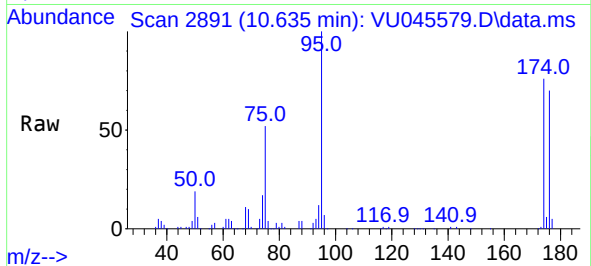




#76
1,2,3-Trichloropropane
Concen: 17.182 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

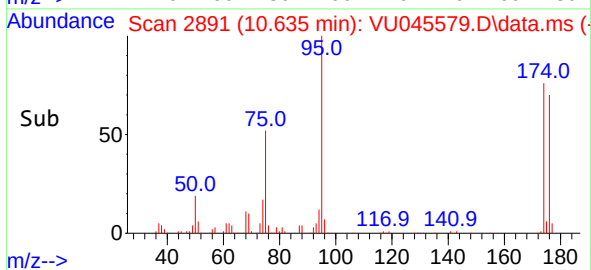
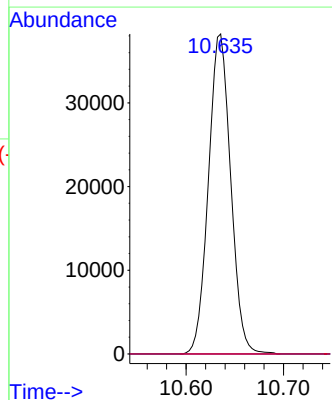
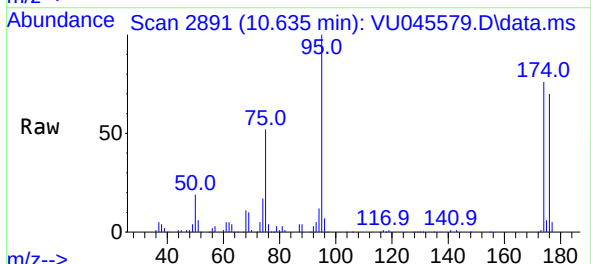
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

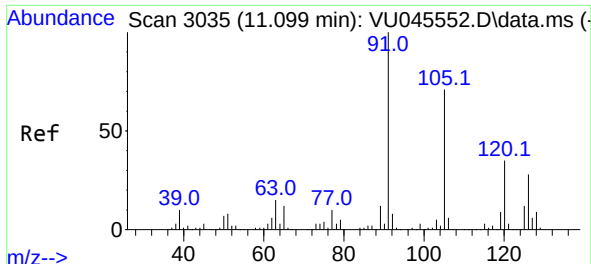
Tgt Ion: 75 Resp: 60742
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.911 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 75 Resp: 60742
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

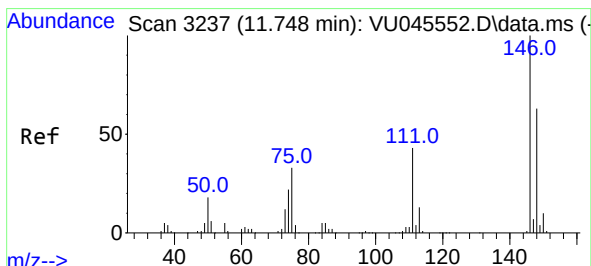
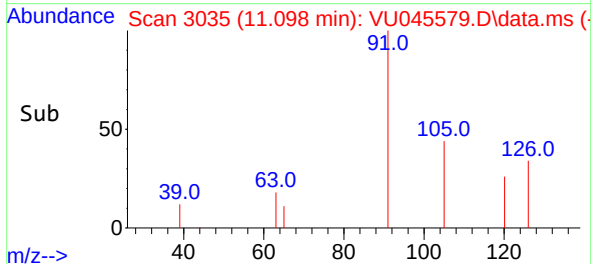
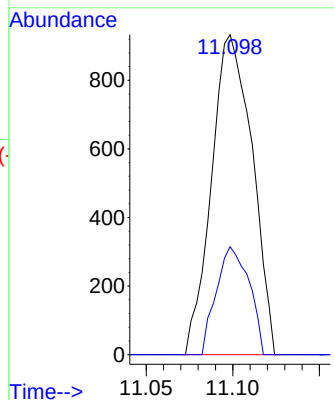
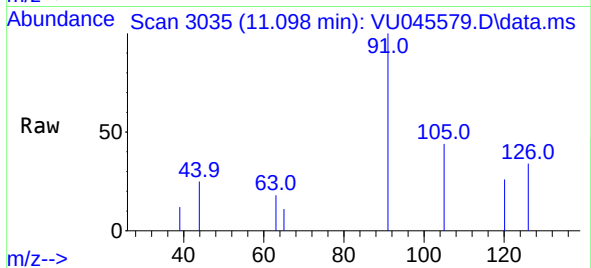




#82
4-Chlorotoluene
Concen: 0.232 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

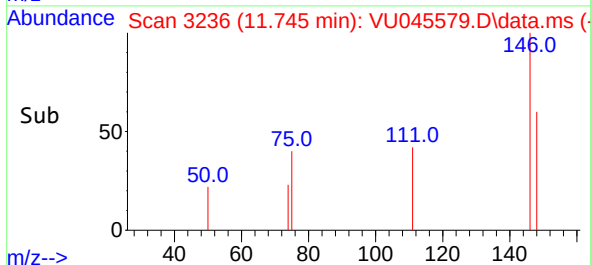
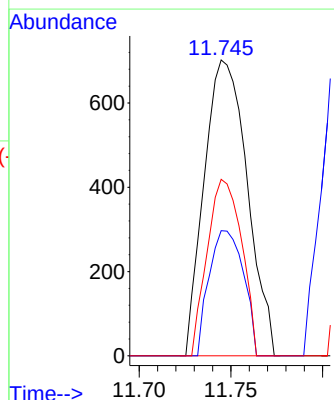
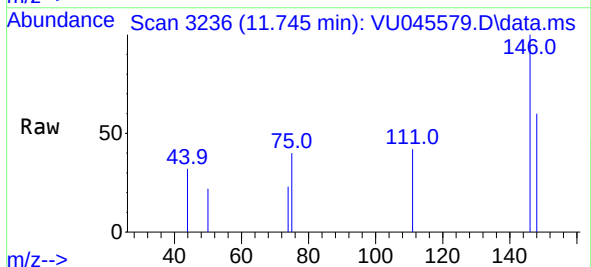
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

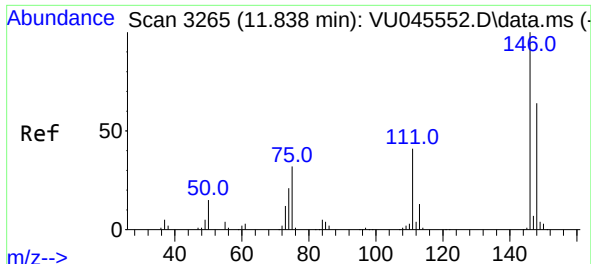
Tgt Ion: 91 Resp: 1522
Ion Ratio Lower Upper
91 100
126 27.2 13.8 41.4



#87
1,3-Dichlorobenzene
Concen: 0.307 ug/l
RT: 11.745 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion:146 Resp: 1146
Ion Ratio Lower Upper
146 100
111 33.7 21.3 63.9
148 47.6 31.7 95.1



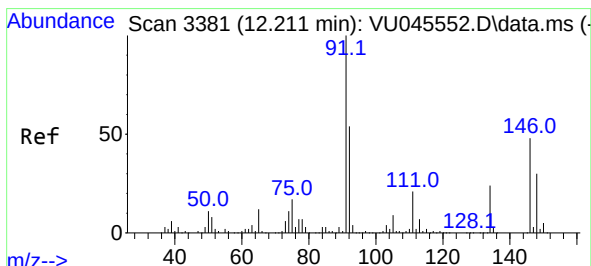
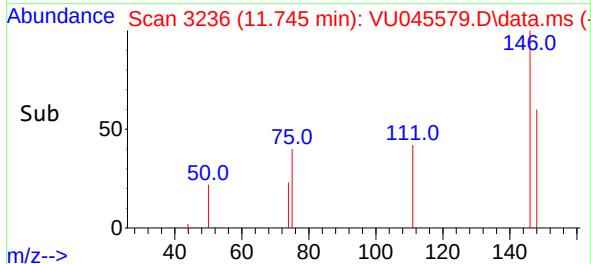
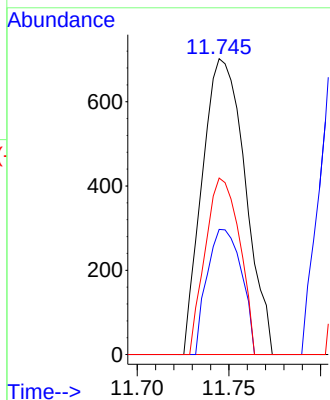
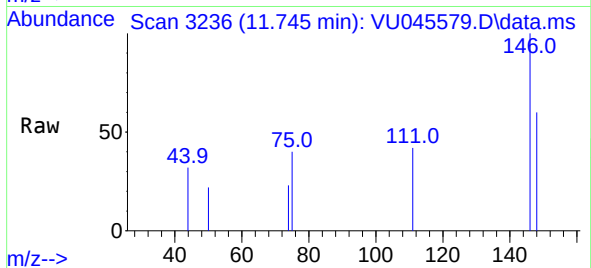


#88
1,4-Dichlorobenzene
Concen: 0.304 ug/l
RT: 11.745 min Scan# 31
Delta R.T. -0.093 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

Tgt Ion:146 Resp: 1146

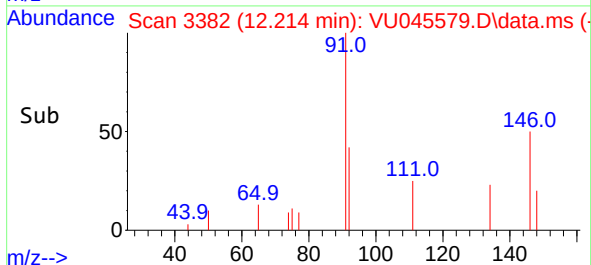
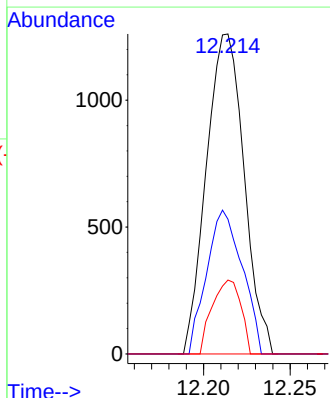
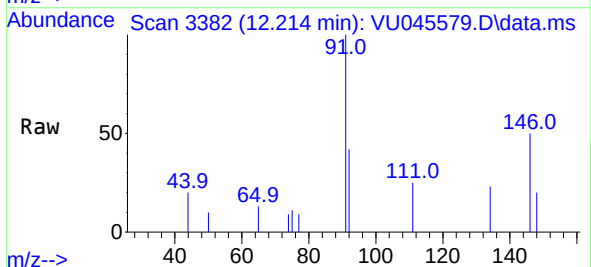
Ion	Ratio	Lower	Upper
146	100		
111	33.7	20.6	61.9
148	47.6	31.9	95.7

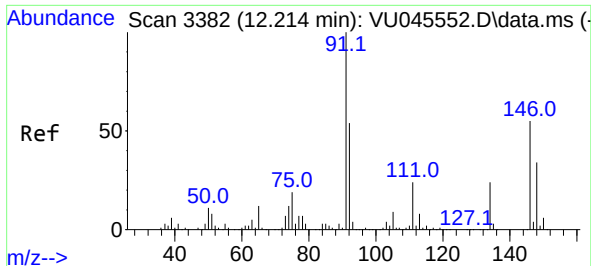


#89
n-Butylbenzene
Concen: 0.282 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion: 91 Resp: 1909

Ion	Ratio	Lower	Upper
91	100		
92	42.3	27.1	81.2
134	17.4	11.8	35.4

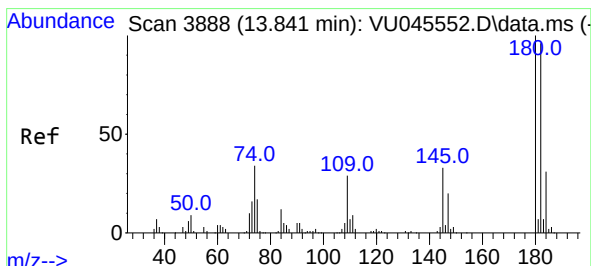
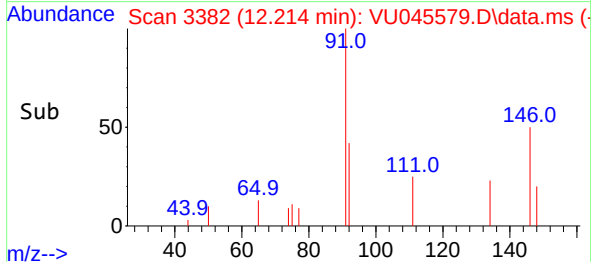
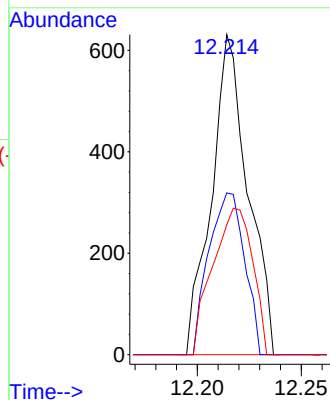
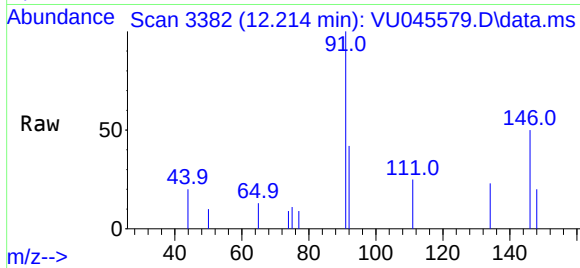




#91
1,2-Dichlorobenzene
Concen: 0.212 ug/l
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

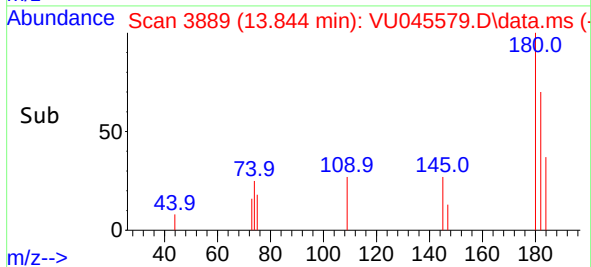
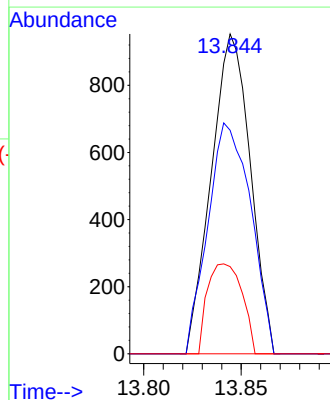
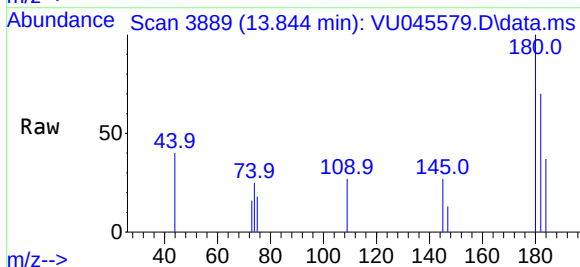
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

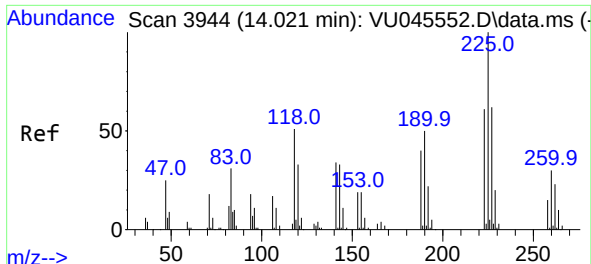
Tgt Ion:146 Resp: 770
Ion Ratio Lower Upper
146 100
111 49.5 21.9 65.5
148 50.1 32.1 96.3



#93
1,2,4-Trichlorobenzene
Concen: 0.528 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

Tgt Ion:180 Resp: 1326
Ion Ratio Lower Upper
180 100
182 79.3 47.0 141.2
145 24.9 15.6 46.7

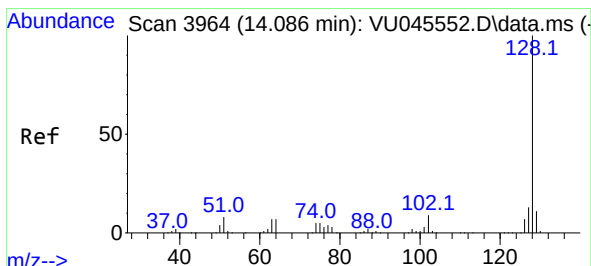
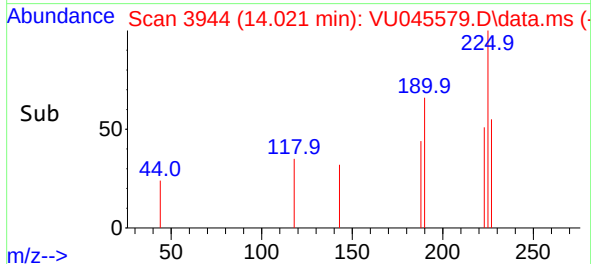
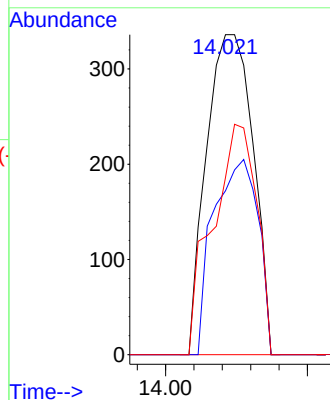
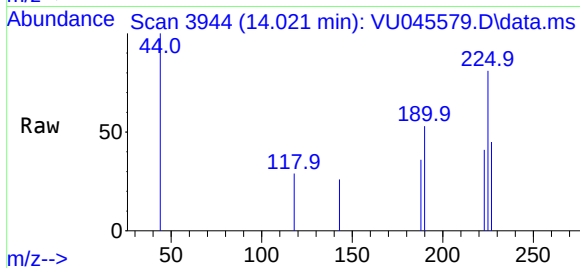




#94
Hexachlorobutadiene
Concen: 0.354 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. -0.000 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

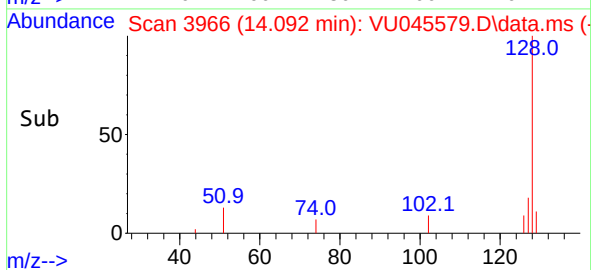
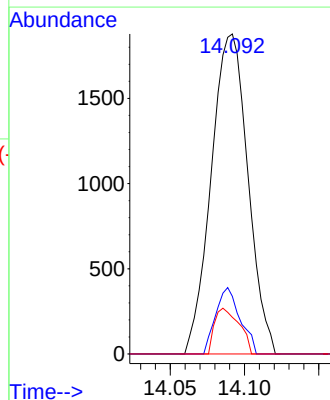
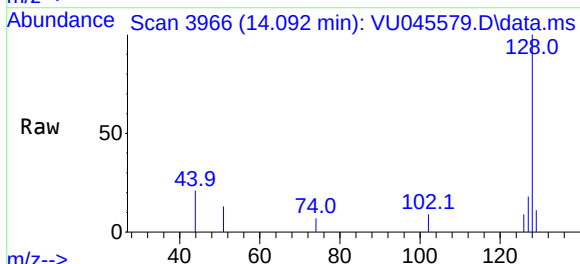
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-TB-20211101

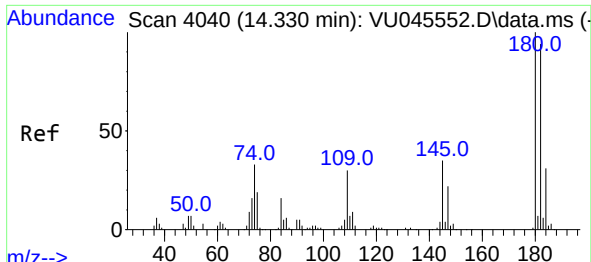
Tgt Ion:225	Resp:	384
Ion	Ratio	Lower Upper
225	100	
223	58.3	32.0 96.2
227	68.2	31.1 93.5



#95
Naphthalene
Concen: 1.364 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045579.D
Acq: 05 Nov 2021 23:51

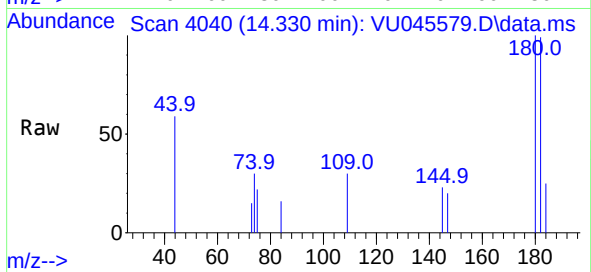
Tgt Ion:128	Resp:	3225
Ion	Ratio	Lower Upper
128	100	
127	13.8	10.6 15.8
129	9.6	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.470 ug/l
 RT: 14.330 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VU045579.D
 Acq: 05 Nov 2021 23:51

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-TB-20211101



Tgt Ion:	180	Resp:	1171
Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.7	143.1
145	21.3	16.7	50.0

