

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045513.D
 Acq On : 02 Nov 2021 14:49
 Operator : SY/MD
 Sample : M4431-02RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-GW-338-340RE

Quant Time: Nov 02 15:16:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

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

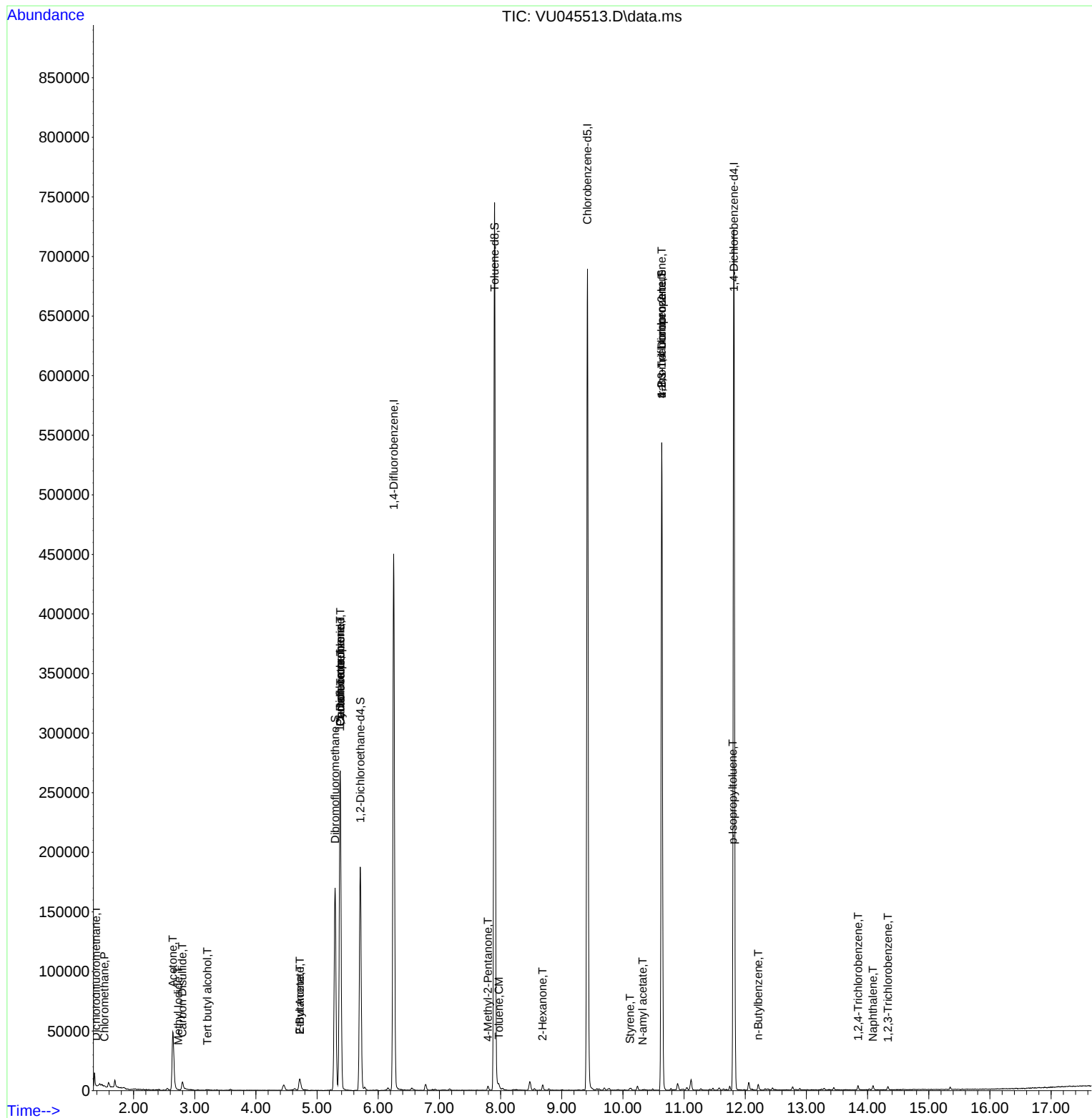
Internal Standards						
1) Pentafluorobenzene	5.378	168	182640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	362996	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	372013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	183075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	136861	46.028	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.060%		
35) Dibromofluoromethane	5.295	113	110853	48.028	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	7.902	98	489916	54.129	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	108.260%		
62) 4-Bromofluorobenzene	10.635	95	187864	54.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.940%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	20	0.384	ug/l #	43
3) Chloromethane	1.523	50	761	0.209	ug/l	94
10) Methyl Iodide	2.732	142	21	9.363	ug/l #	43
11) Tert butyl alcohol	3.208	59	740	1.153	ug/l #	72
16) Acetone	2.642	43	67664	50.125	ug/l	99
17) Carbon Disulfide	2.796	76	7858	1.294	ug/l	97
25) 2-Butanone	4.716	43	15828	7.767	ug/l	98
31) Cyclohexane	5.378	56	4165	0.941	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	15698	4.543	ug/l #	49
37) Ethyl Acetate	4.716	43	15828	3.782	ug/l #	67
38) Carbon Tetrachloride	5.378	117	18750	6.222	ug/l #	16
51) 4-Methyl-2-Pentanone	7.793	43	2578	0.632	ug/l #	82
52) Toluene	7.973	92	1404	0.222	ug/l	99
59) 2-Hexanone	8.687	43	3146	0.996	ug/l	93
70) Styrene	10.118	104	512	1.033	ug/l	91
74) N-amyl acetate	10.323	43	194	1.185	ug/l #	66
76) 1,2,3-Trichloropropane	10.635	75	95396	19.557	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.635	75	95396	54.381	ug/l #	12
86) p-Isopropyltoluene	11.796	119	882	0.263	ug/l #	74
89) n-Butylbenzene	12.211	91	1942	1.105	ug/l	94
93) 1,2,4-Trichlorobenzene	13.844	180	1201	0.315	ug/l	97
95) Naphthalene	14.089	128	3406	0.326	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.333	180	1084	0.282	ug/l	92

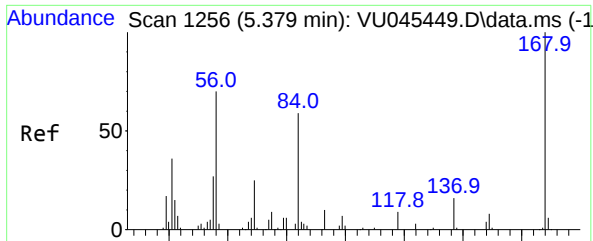
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

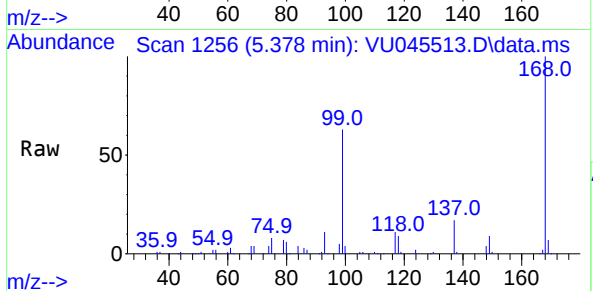
Quant Time: Nov 02 15:16:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
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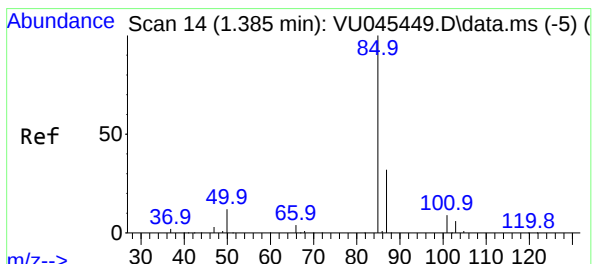
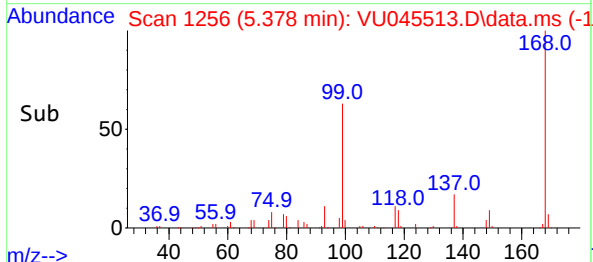
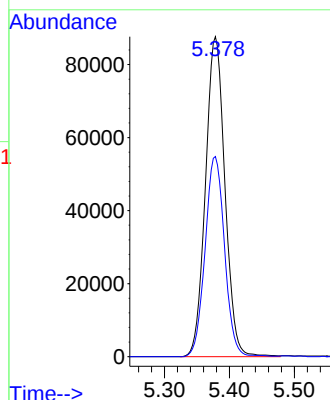


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.001 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

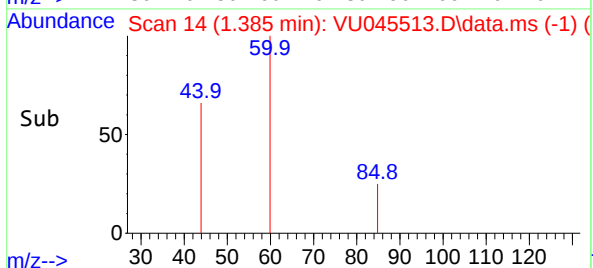
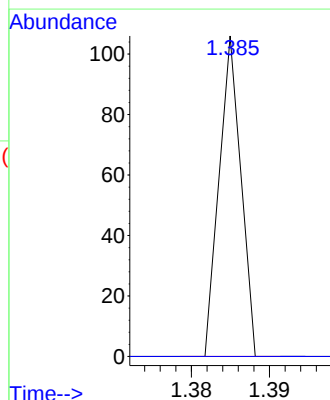
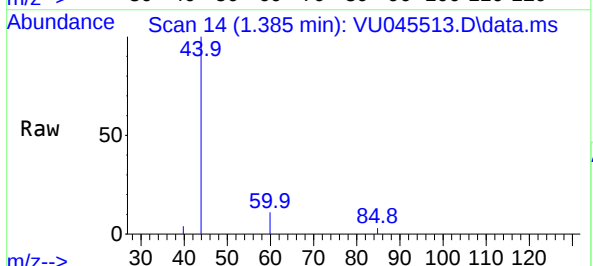


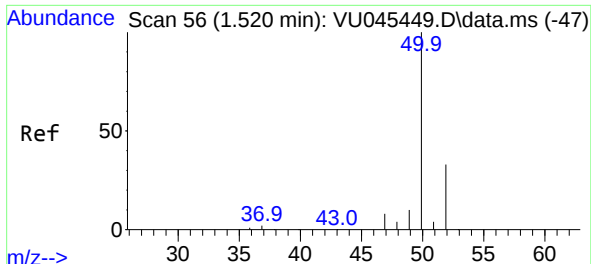
Tgt Ion:168 Resp: 182640
Ion Ratio Lower Upper
168 100
99 62.6 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.384 ug/l
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 15.9 47.7#

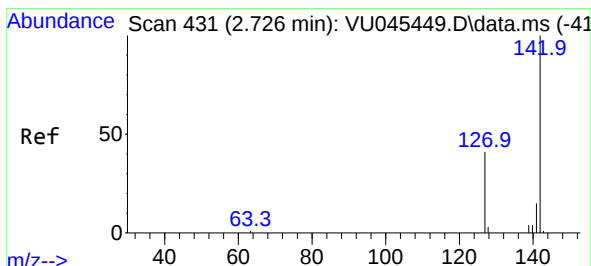
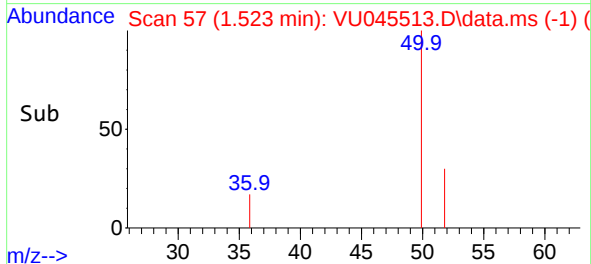
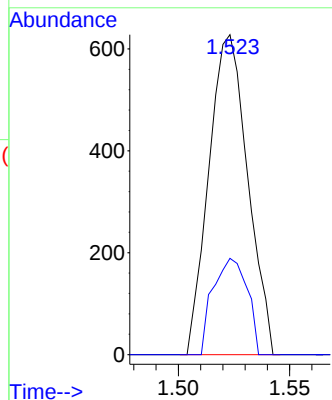
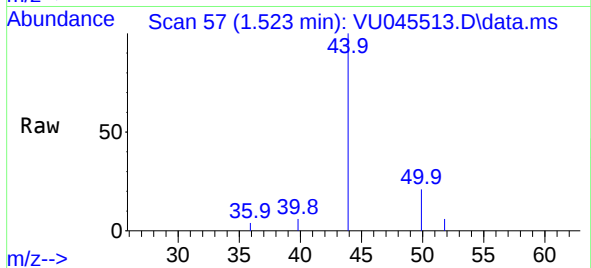




#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

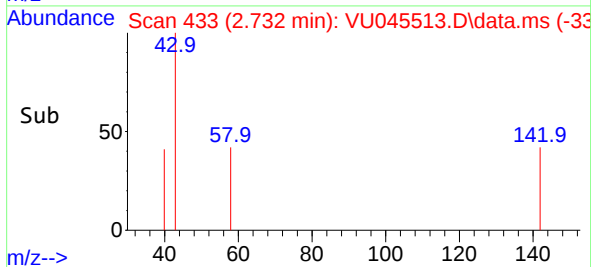
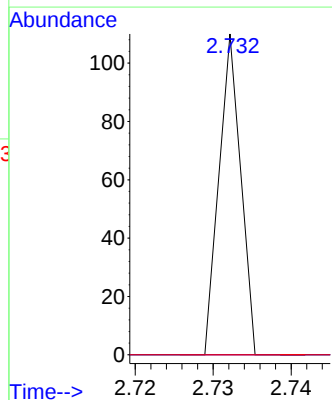
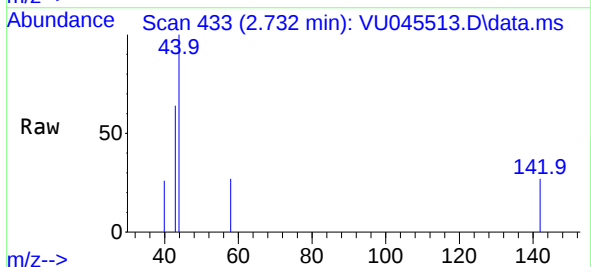
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

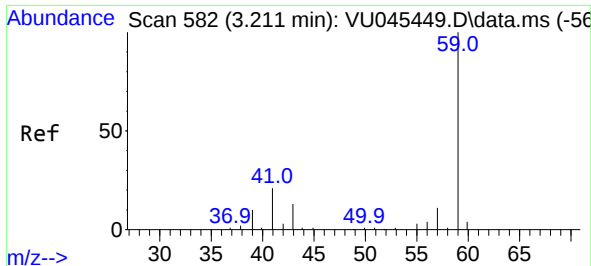
Tgt Ion: 50 Resp: 761
Ion Ratio Lower Upper
50 100
52 30.1 26.6 40.0



#10
Methyl Iodide
Concen: 9.363 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.006 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 32.2 48.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.153 ug/l

RT: 3.208 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU045513.D

Acq: 02 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

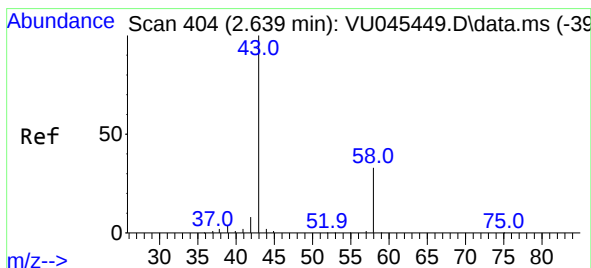
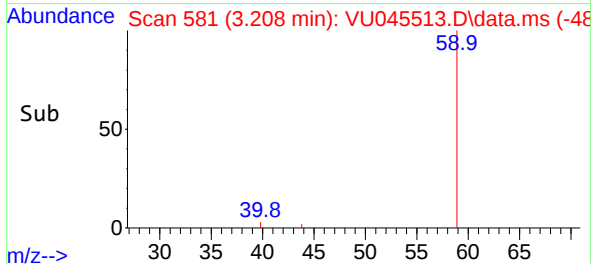
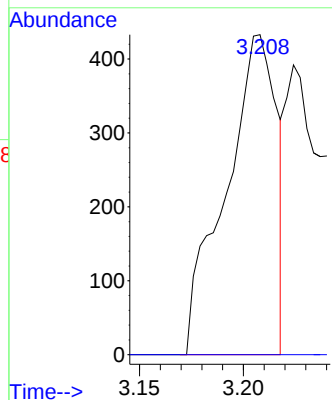
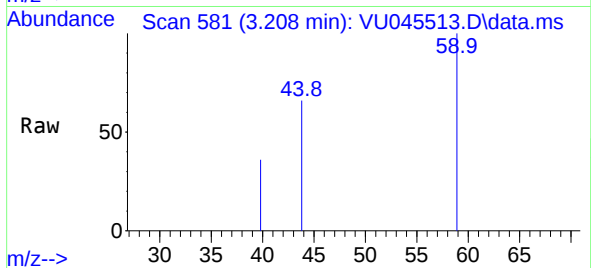
BP-VPB-RW9-GW-338-340RE

Tgt Ion: 59 Resp: 740

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 50.125 ug/l

RT: 2.642 min Scan# 405

Delta R.T. 0.003 min

Lab File: VU045513.D

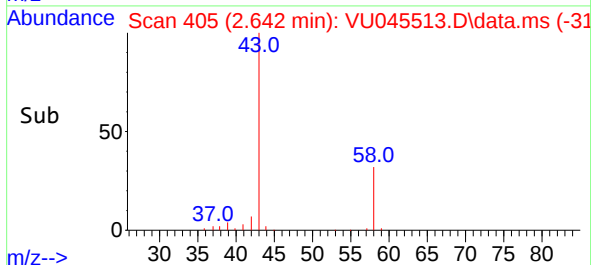
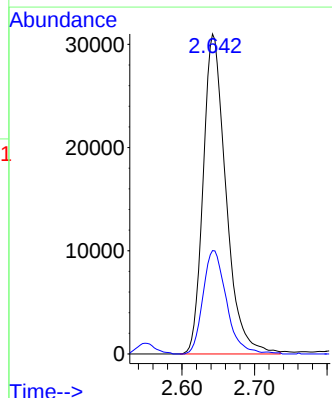
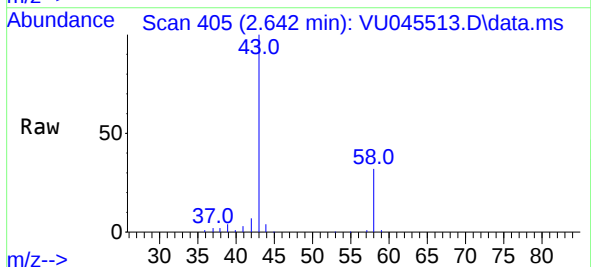
Acq: 02 Nov 2021 14:49

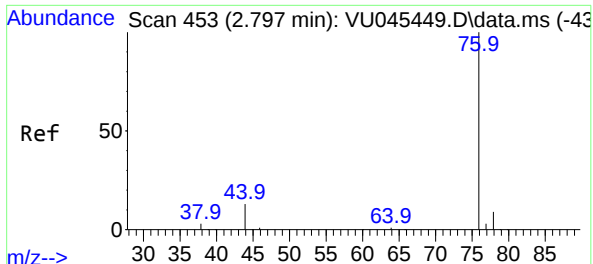
Tgt Ion: 43 Resp: 67664

Ion Ratio Lower Upper

43 100

58 32.3 26.2 39.2

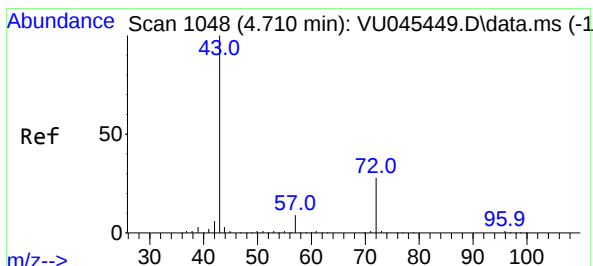
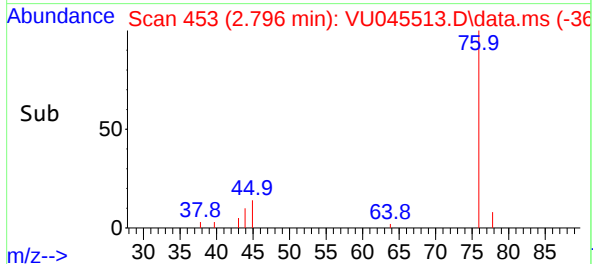
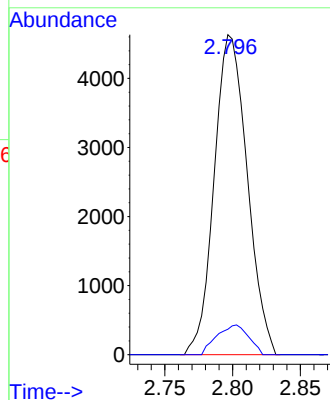
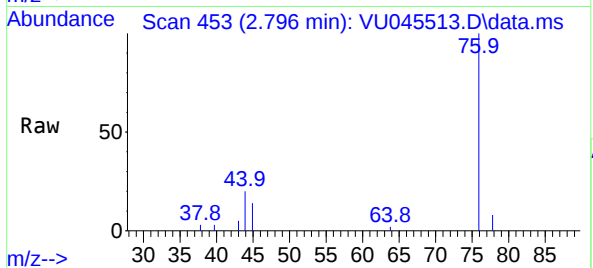




#17
Carbon Disulfide
Concen: 1.294 ug/l
RT: 2.796 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

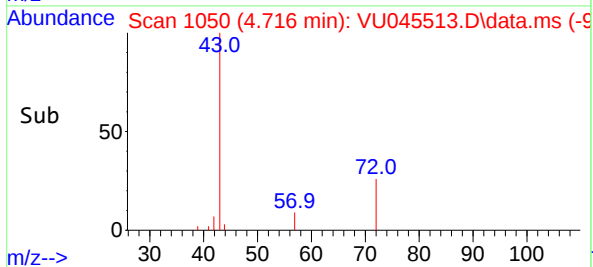
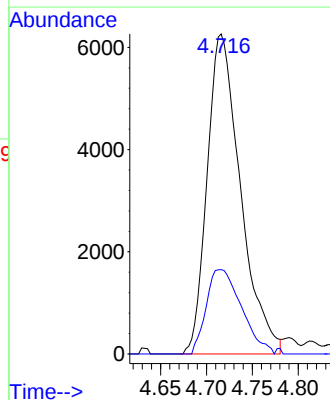
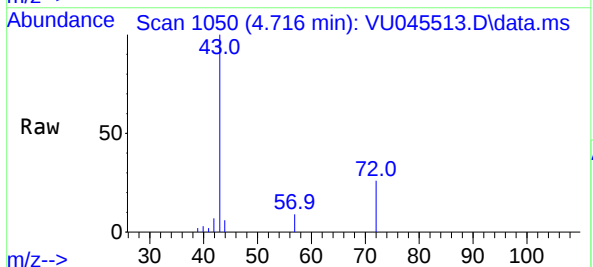
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

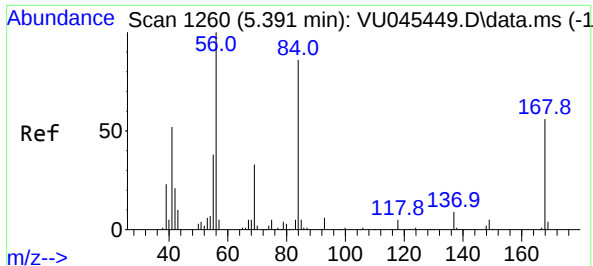
Tgt Ion: 76 Resp: 7858
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#25
2-Butanone
Concen: 7.767 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 43 Resp: 15828
Ion Ratio Lower Upper
43 100
72 26.3 22.0 33.0





#31

Cyclohexane

Concen: 0.941 ug/l

RT: 5.378 min Scan# 1

Delta R.T. -0.013 min

Lab File: VU045513.D

Acq: 02 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-338-340RE

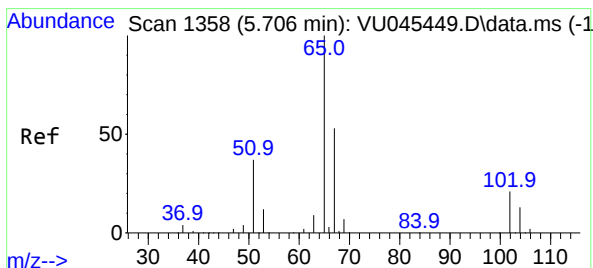
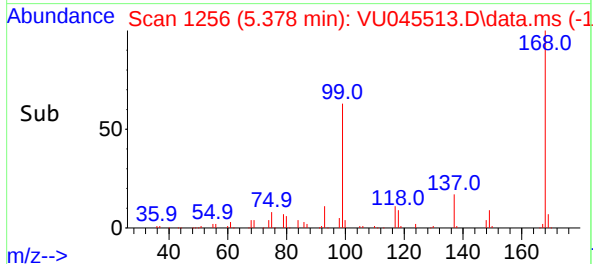
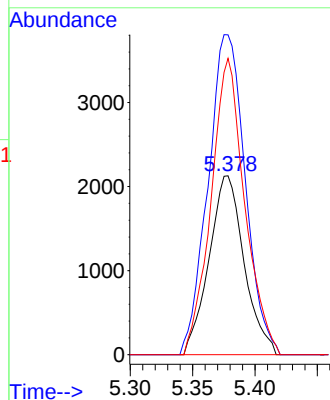
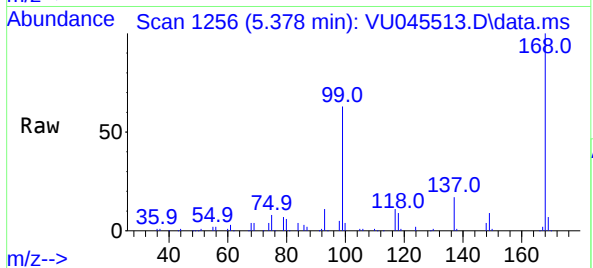
Tgt Ion: 56 Resp: 4165

Ion Ratio Lower Upper

56 100

69 178.7 26.4 39.6#

84 165.6 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 46.028 ug/l

RT: 5.706 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VU045513.D

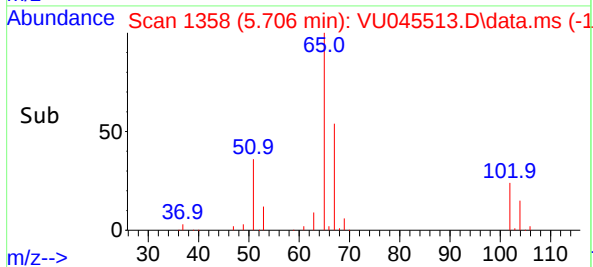
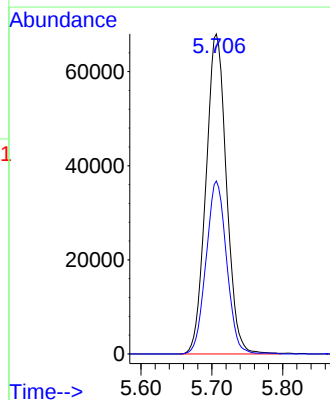
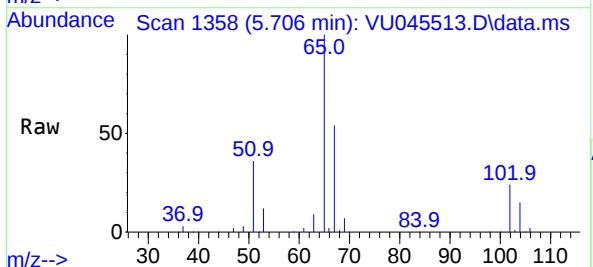
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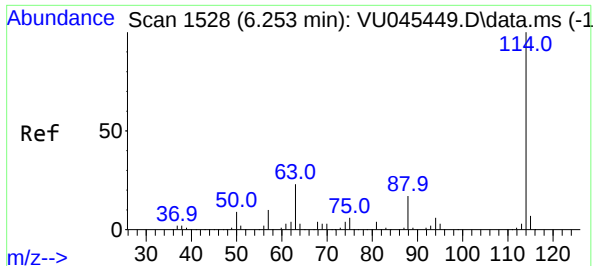
Tgt Ion: 65 Resp: 136861

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.8

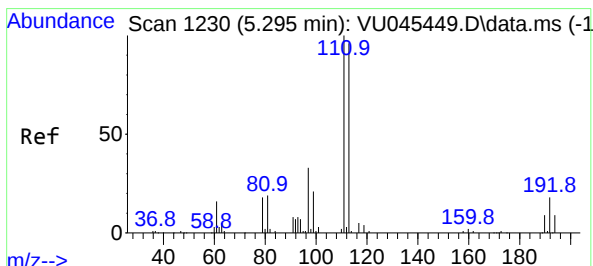
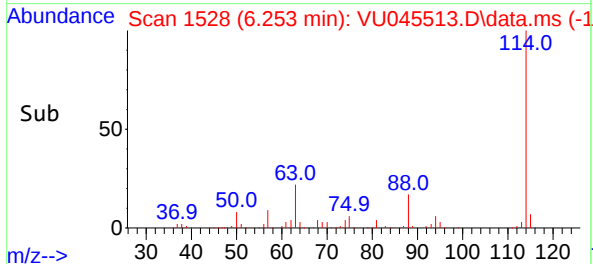
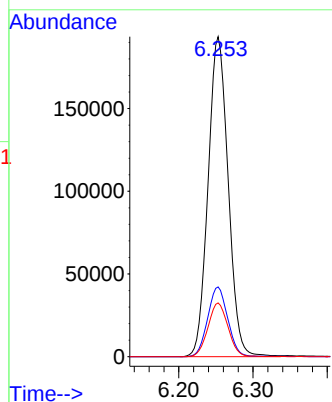
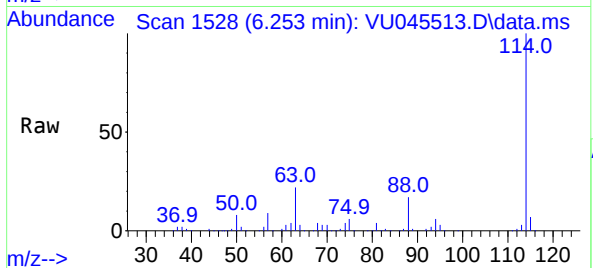




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

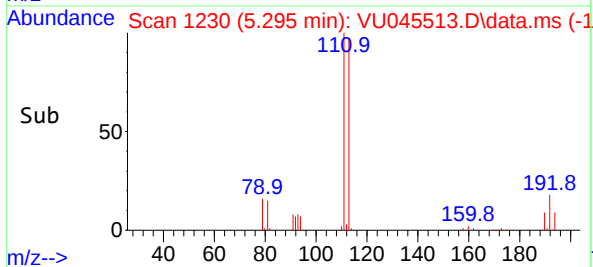
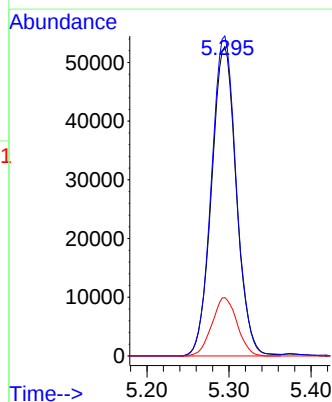
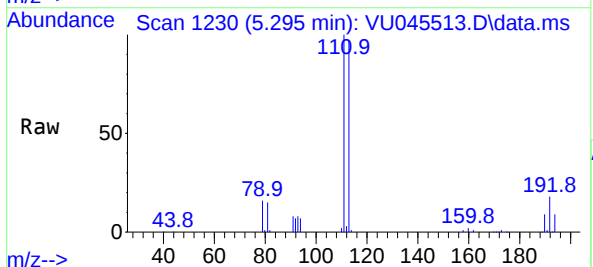
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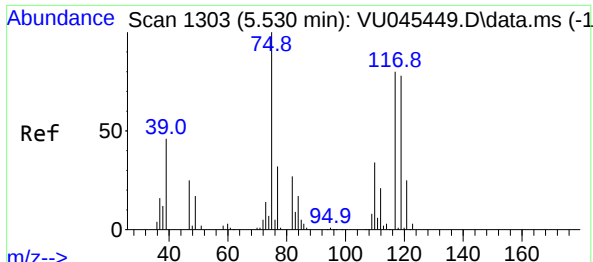
Tgt Ion:114 Resp: 362996
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.6
88 16.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.028 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion:113 Resp: 110853
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.1 14.8 22.2

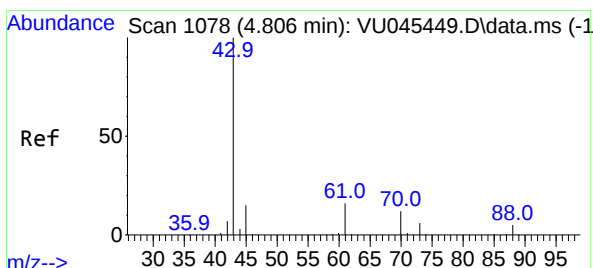
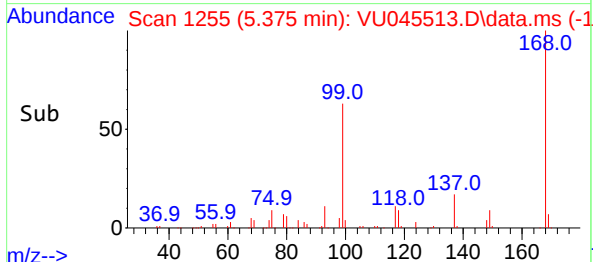
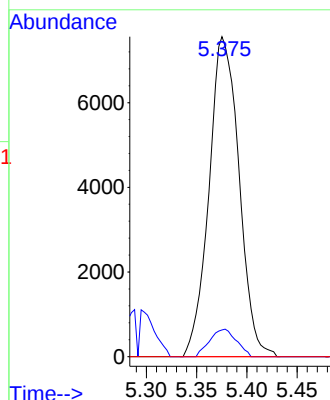
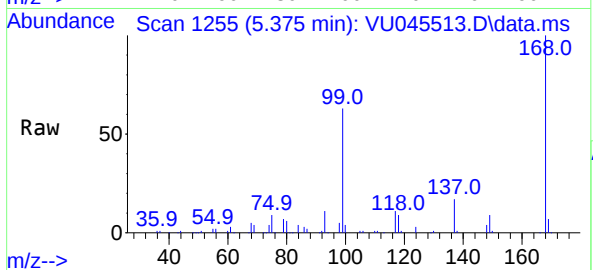




#36
1,1-Dichloropropene
Concen: 4.543 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

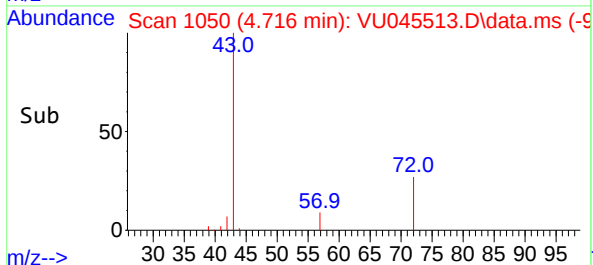
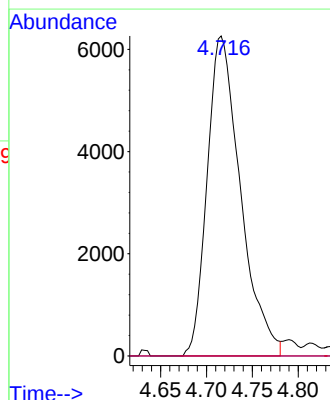
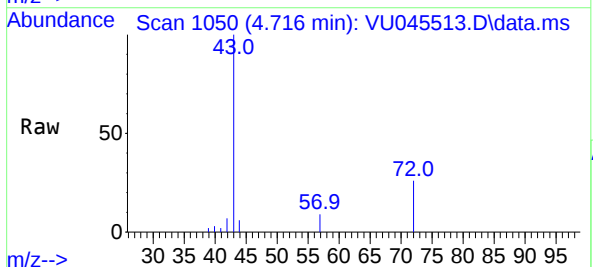
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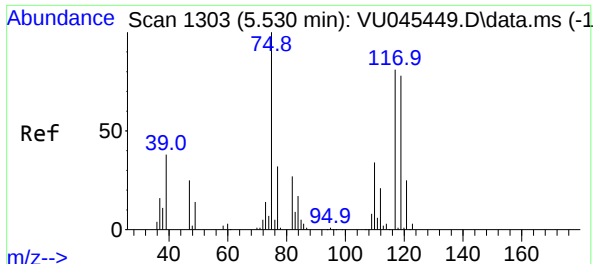
Tgt Ion: 75 Resp: 15698
Ion Ratio Lower Upper
75 100
110 7.6 16.7 50.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 3.782 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.090 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 43 Resp: 15828
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#

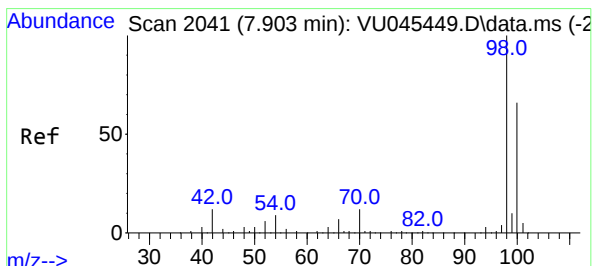
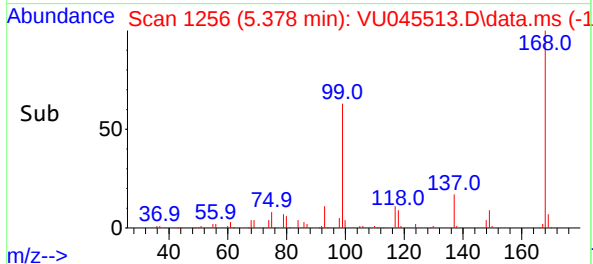
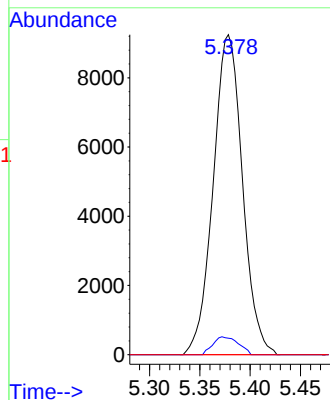
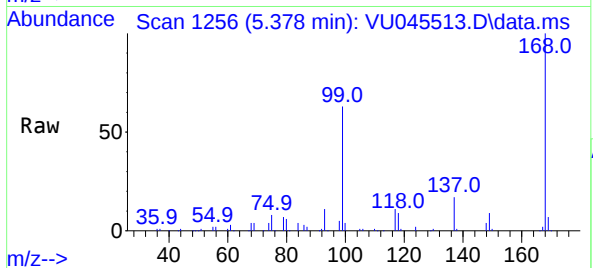




#38
Carbon Tetrachloride
Concen: 6.222 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

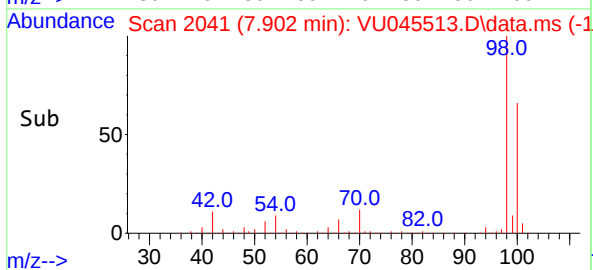
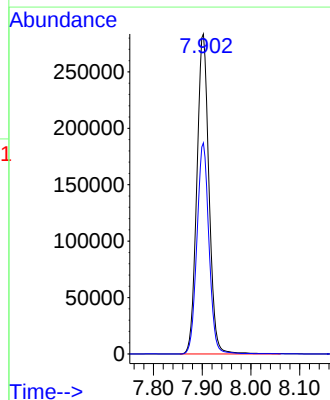
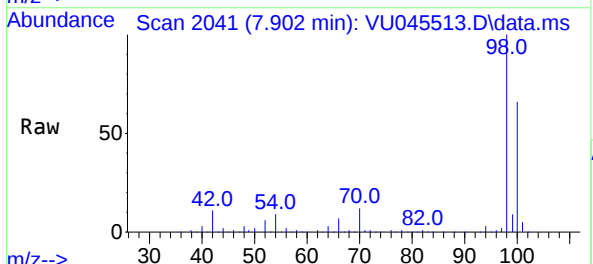
Instrument : MSVOA_U
ClientSampleId : BP-VPB-RW9-GW-338-340RE

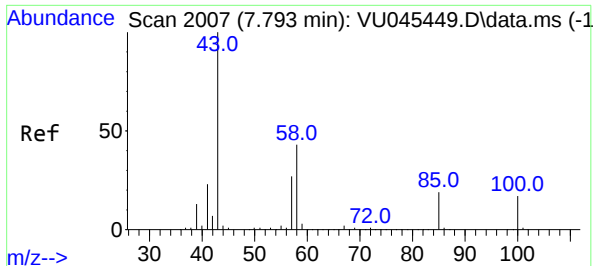
Tgt Ion:117 Resp: 18750
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.129 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 98 Resp: 489916
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.632 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045513.D

Acq: 02 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

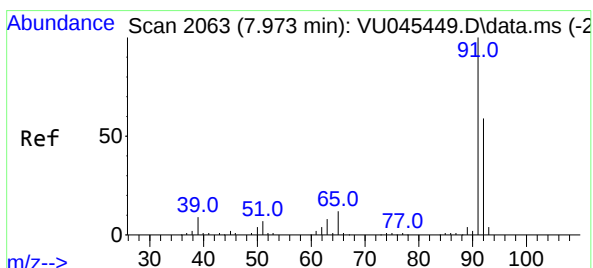
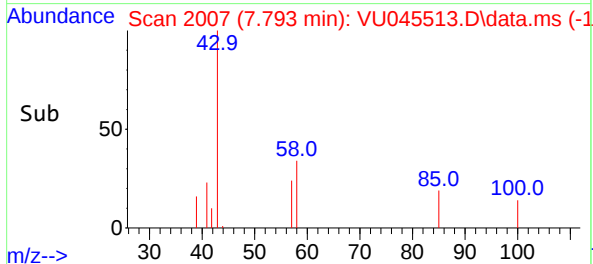
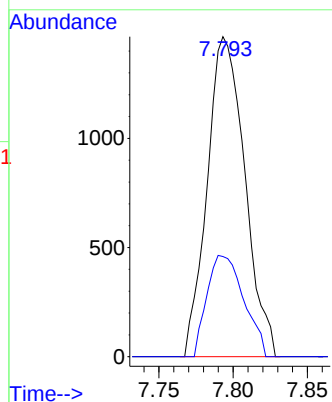
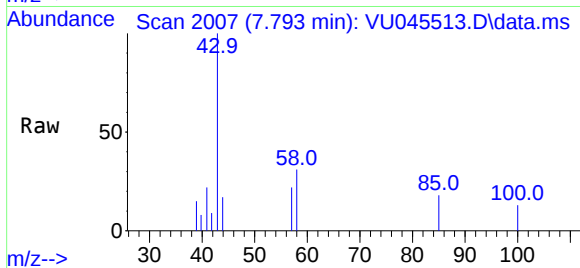
BP-VPB-RW9-GW-338-340RE

Tgt Ion: 43 Resp: 2578

Ion Ratio Lower Upper

43 100

58 31.0 33.8 50.8#



#52

Toluene

Concen: 0.222 ug/l

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU045513.D

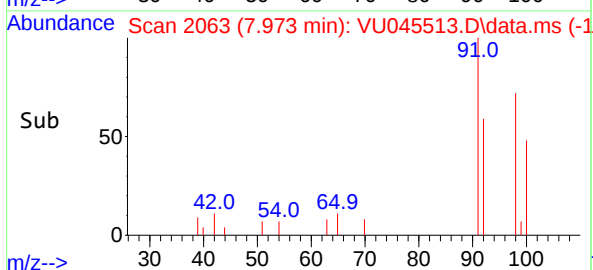
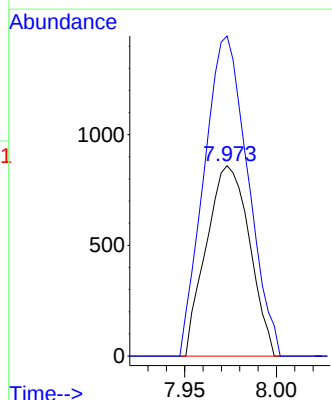
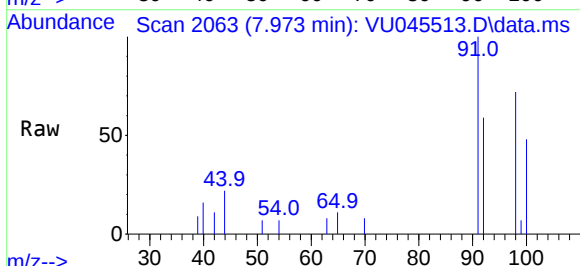
Acq: 02 Nov 2021 14:49

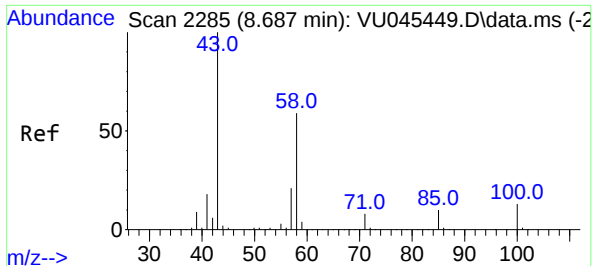
Tgt Ion: 92 Resp: 1404

Ion Ratio Lower Upper

92 100

91 170.9 135.6 203.4





#59

2-Hexanone

Concen: 0.996 ug/l

RT: 8.687 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045513.D

Acq: 02 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

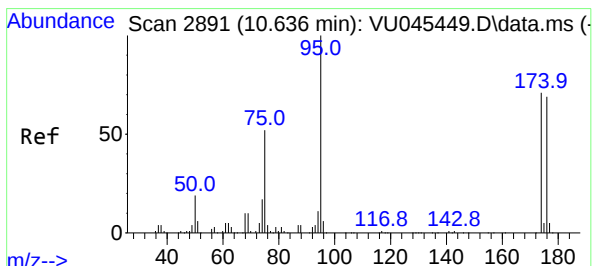
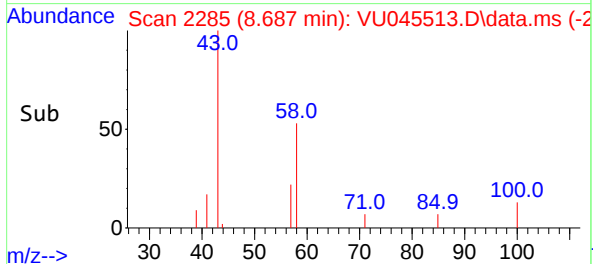
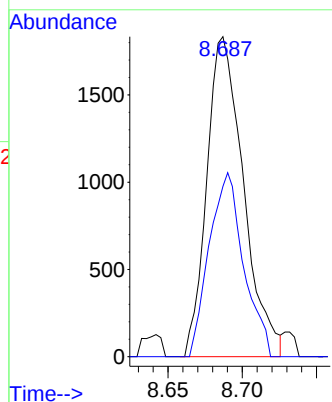
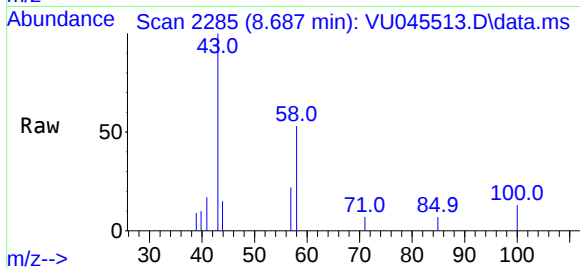
BP-VPB-RW9-GW-338-340RE

Tgt Ion: 43 Resp: 3146

Ion Ratio Lower Upper

43 100

58 54.0 29.5 88.6



#62

4-Bromofluorobenzene

Concen: 54.470 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. -0.000 min

Lab File: VU045513.D

Acq: 02 Nov 2021 14:49

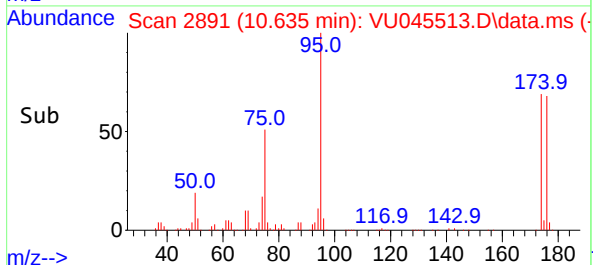
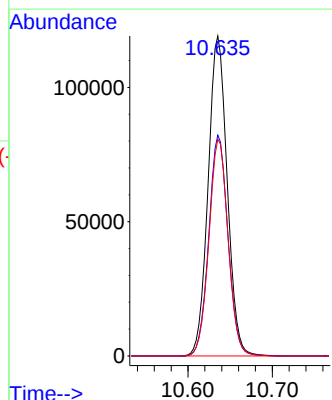
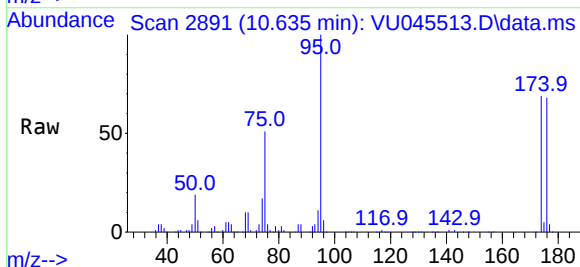
Tgt Ion: 95 Resp: 187864

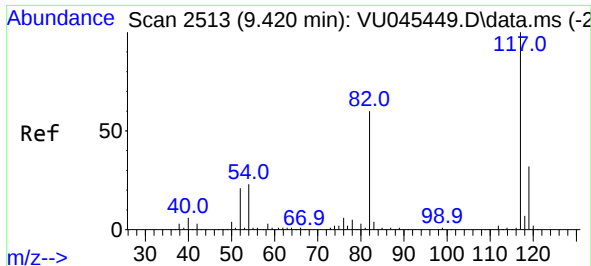
Ion Ratio Lower Upper

95 100

174 69.5 0.0 141.8

176 67.7 0.0 138.2

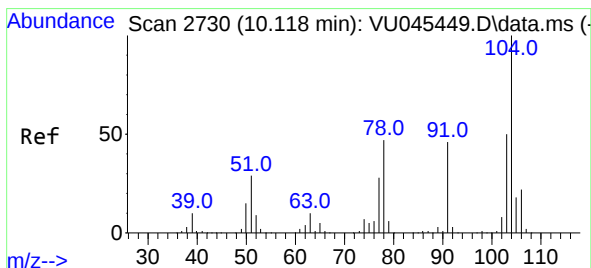
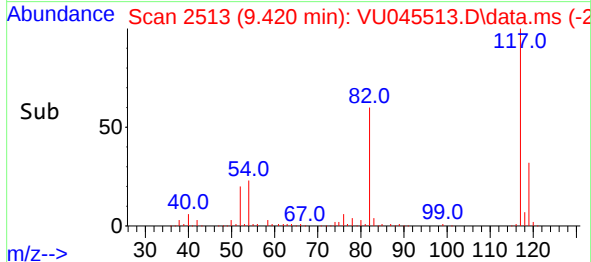
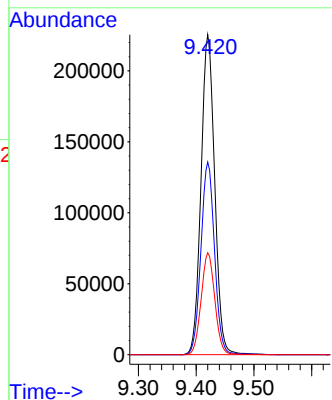
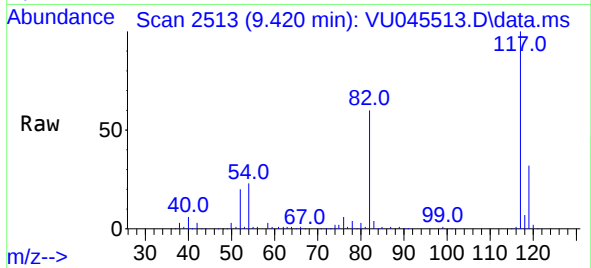




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

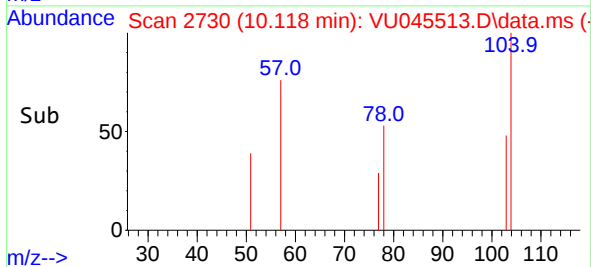
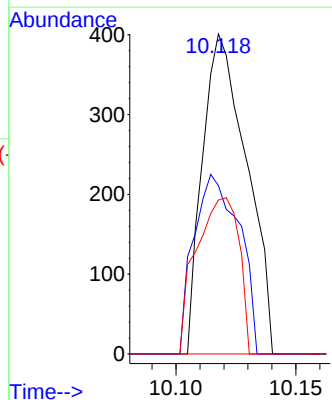
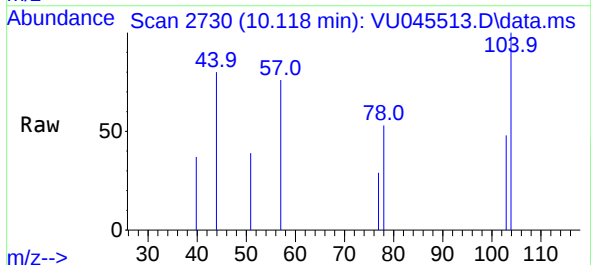
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

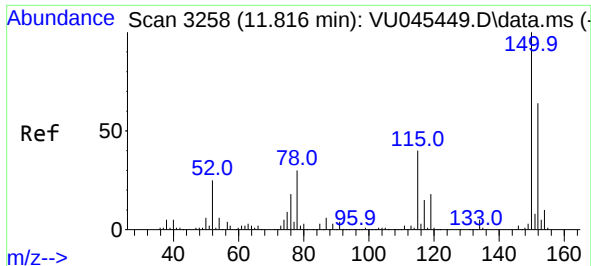
Tgt Ion:117 Resp: 372013
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.8 25.8 38.8



#70
Styrene
Concen: 1.033 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion:104 Resp: 512
Ion Ratio Lower Upper
104 100
78 57.6 41.8 62.6
103 47.3 43.8 65.6

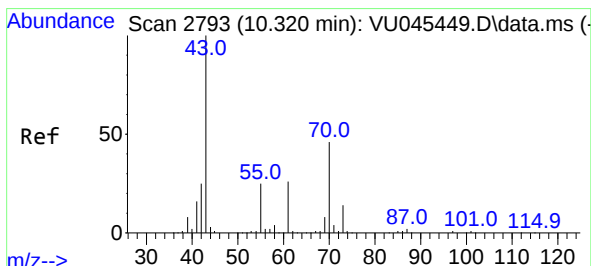
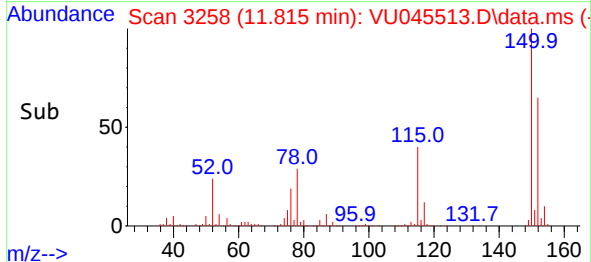
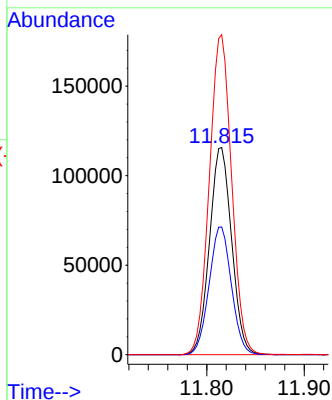
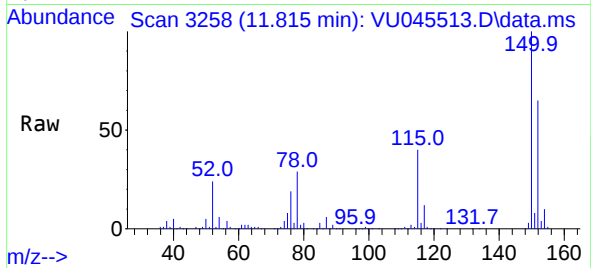




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

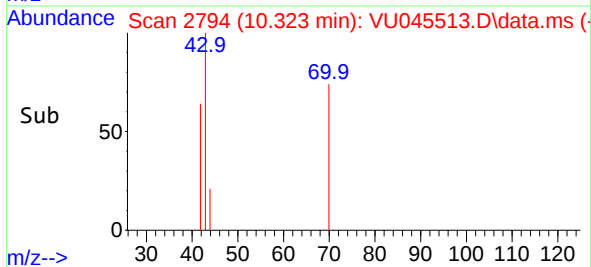
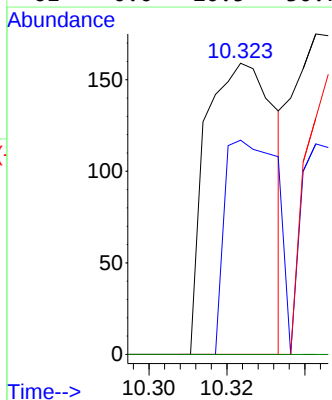
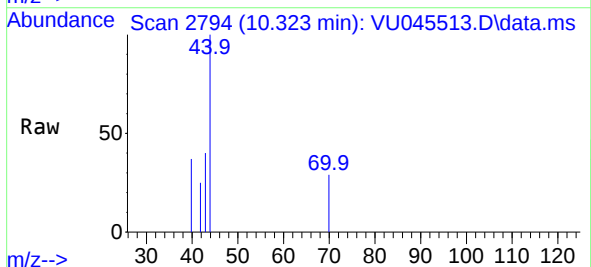
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

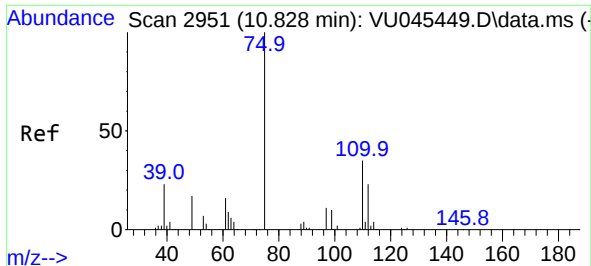
Tgt Ion:152 Resp: 183075
Ion Ratio Lower Upper
152 100
115 62.0 42.7 128.1
150 155.2 0.0 346.8



#74
N-ethyl acetate
Concen: 1.185 ug/l
RT: 10.323 min Scan# 2794
Delta R.T. 0.003 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
70 55.7 36.9 55.3#
55 0.0 20.6 31.0#
61 0.0 20.5 30.7#

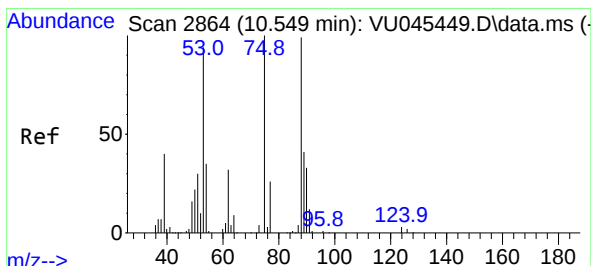
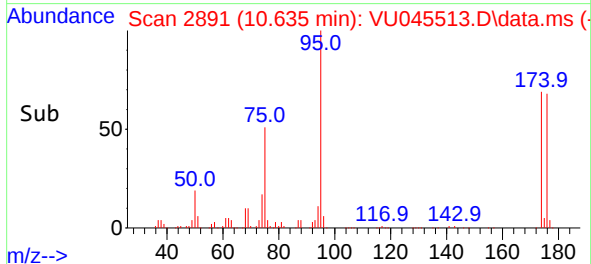
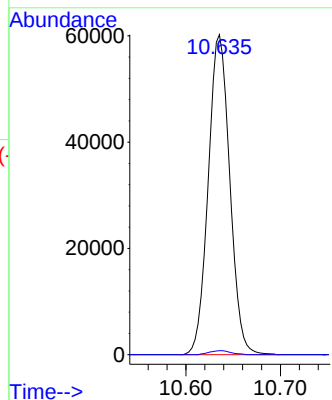
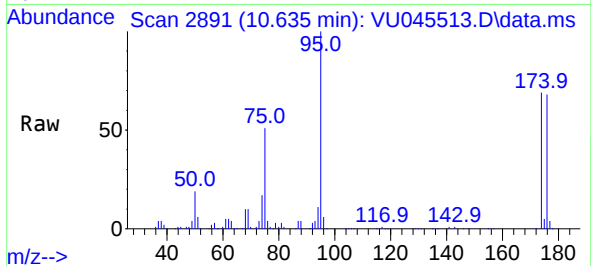




#76
1,2,3-Trichloropropane
Concen: 19.557 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

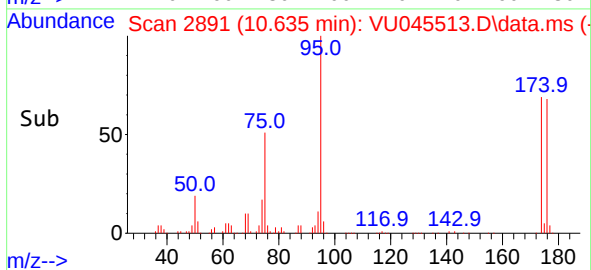
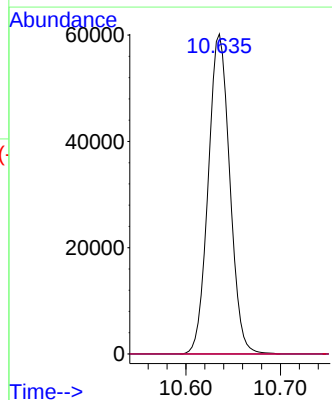
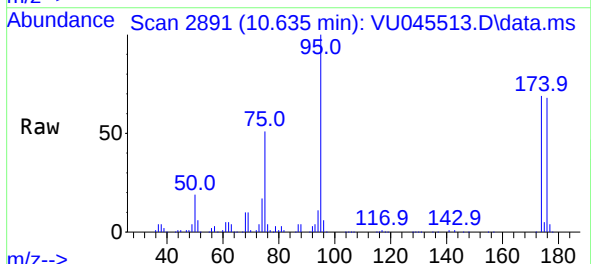
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

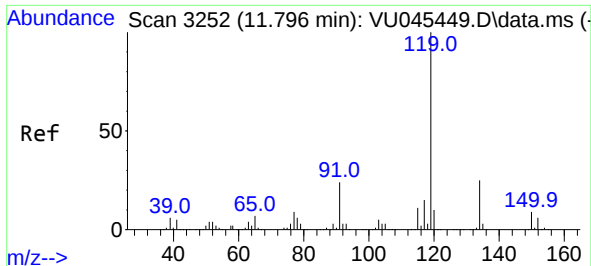
Tgt Ion: 75 Resp: 95396
Ion Ratio Lower Upper
75 100
77 1.3 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.381 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 75 Resp: 95396
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

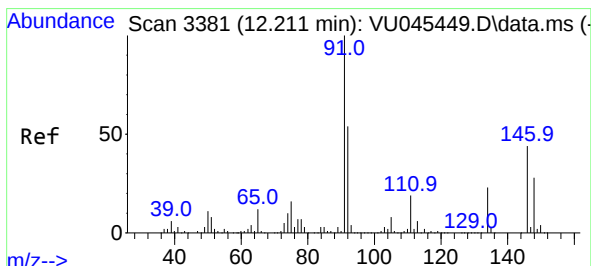
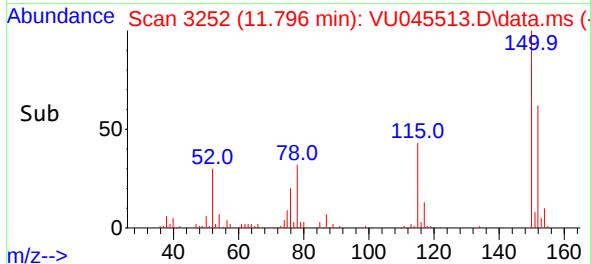
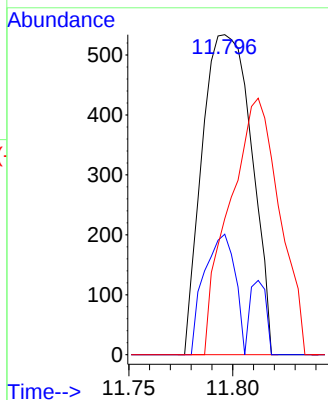
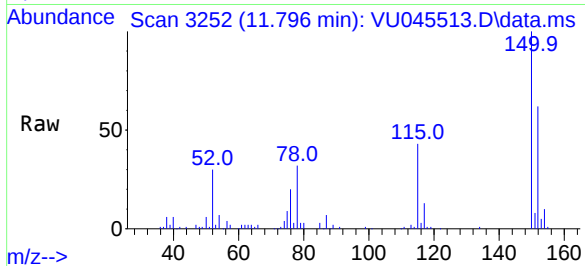




#86
p-Isopropyltoluene
Concen: 0.263 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

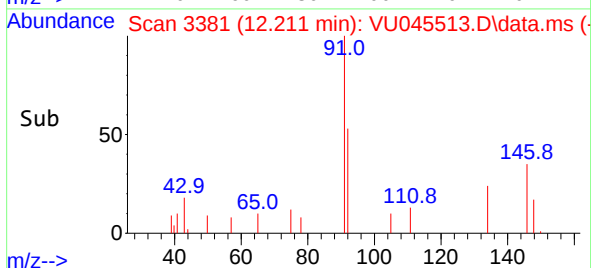
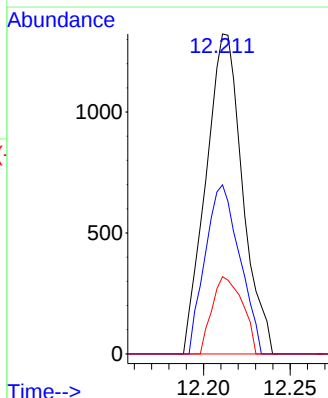
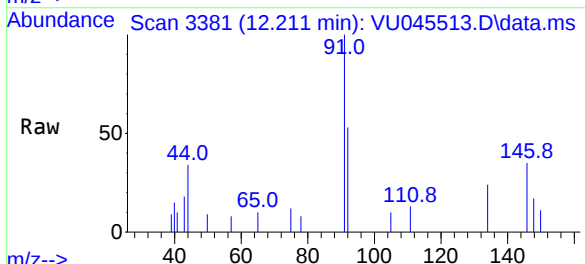
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-338-340RE

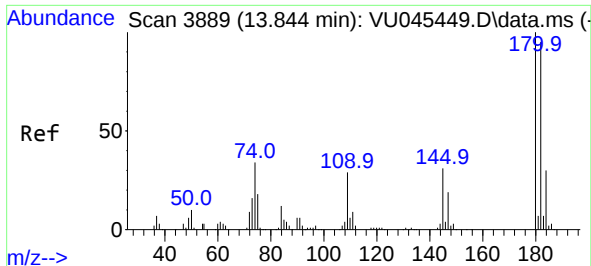
Tgt Ion:119 Resp: 882
Ion Ratio Lower Upper
119 100
134 23.7 12.7 38.1
91 0.0 12.2 36.4#



#89
n-Butylbenzene
Concen: 1.105 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU045513.D
Acq: 02 Nov 2021 14:49

Tgt Ion: 91 Resp: 1942
Ion Ratio Lower Upper
91 100
92 49.8 27.1 81.2
134 20.0 11.8 35.4





#93

1,2,4-Trichlorobenzene

Concen: 0.315 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. -0.000 min

Lab File: VU045513.D

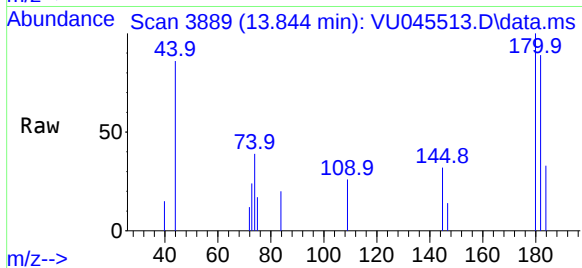
Acq: 02 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-338-340RE



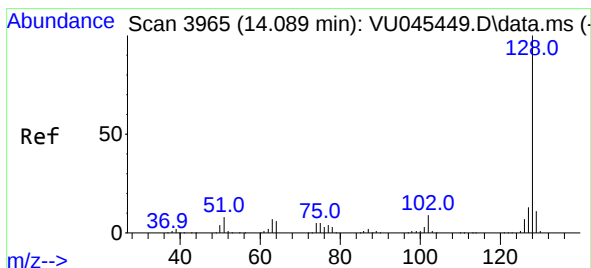
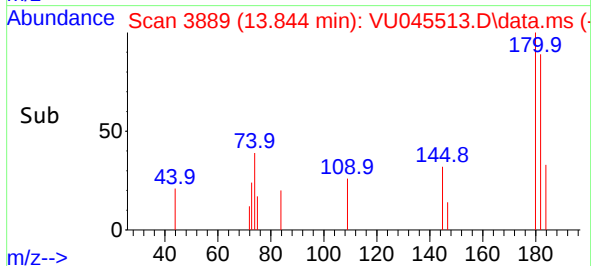
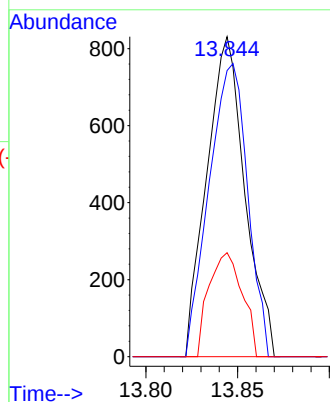
Tgt Ion:180 Resp: 1201

Ion Ratio Lower Upper

180 100

182 92.3 47.0 141.2

145 28.4 15.6 46.7



#95

Naphthalene

Concen: 0.326 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. -0.000 min

Lab File: VU045513.D

Acq: 02 Nov 2021 14:49

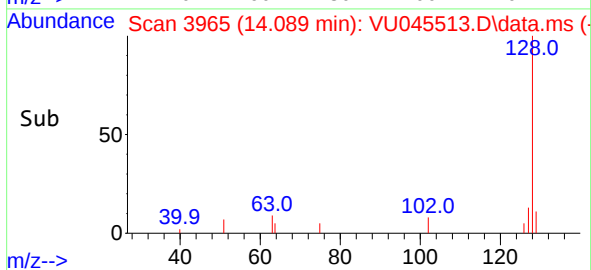
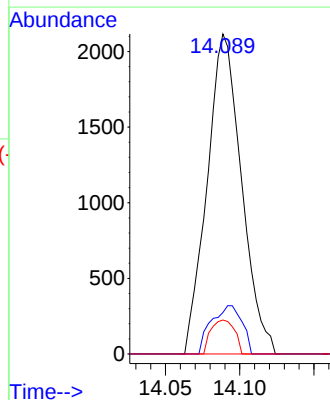
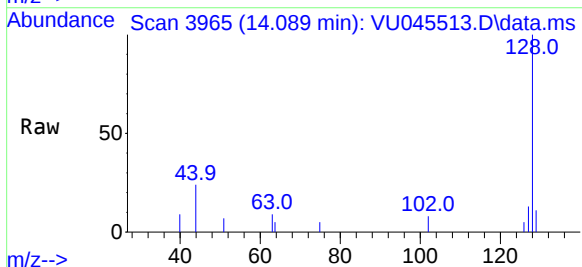
Tgt Ion:128 Resp: 3406

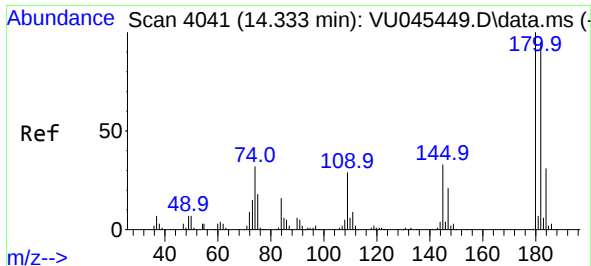
Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 7.3 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.282 ug/l

RT: 14.333 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU045513.D

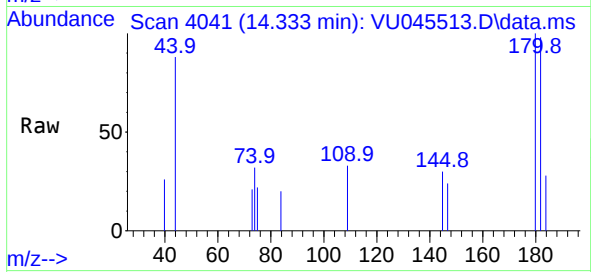
Acq: 02 Nov 2021 14:49

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-338-340RE



Tgt Ion:180 Resp: 1084

Ion Ratio Lower Upper

180 100

182 90.3 47.7 143.1

145 23.8 16.7 50.0

