

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045460.D
 Acq On : 29 Oct 2021 13:49
 Operator : SY/MD
 Sample : M4360-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 30 04:05:19 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

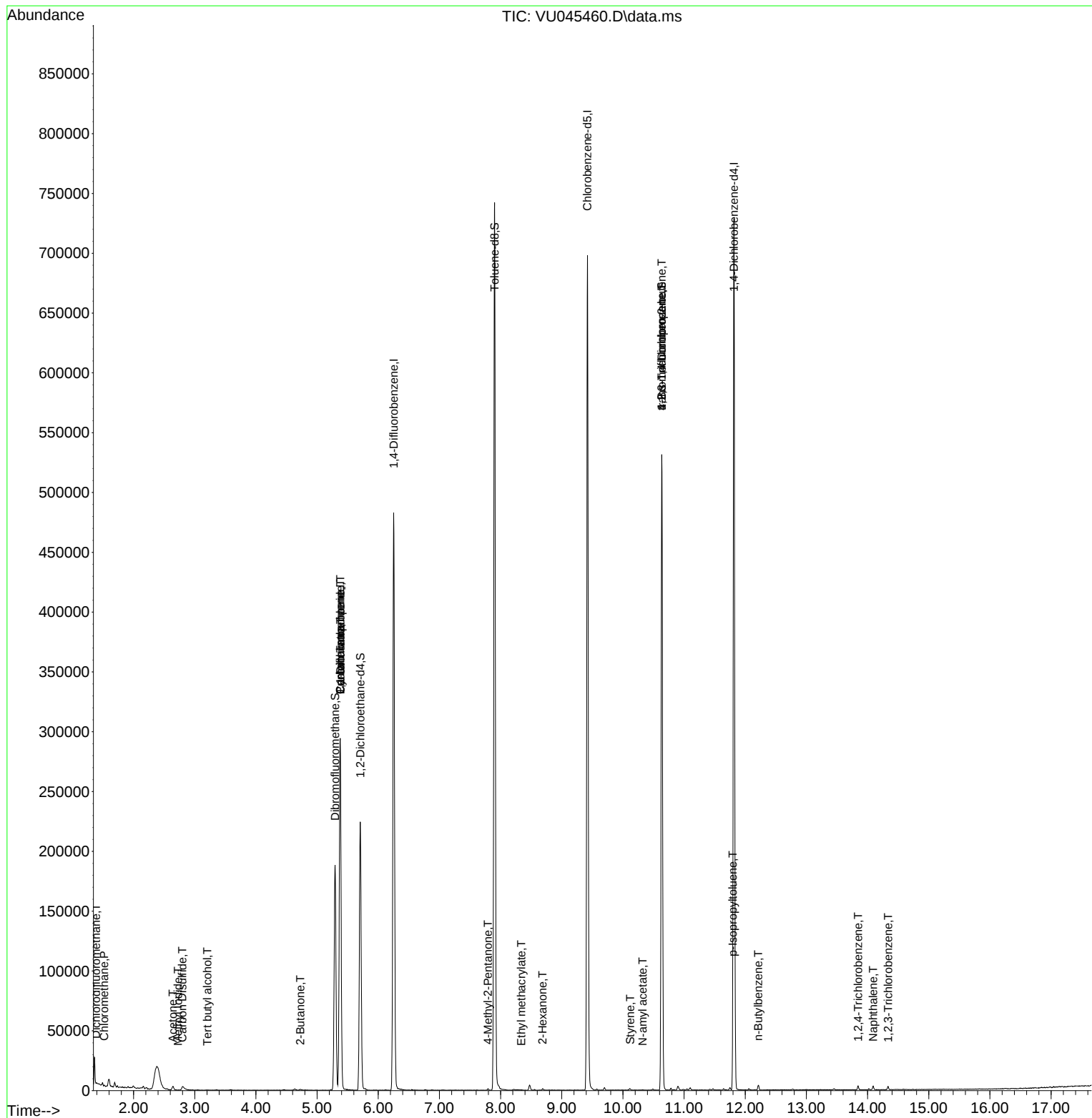
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	197248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	383455	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	370435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	178002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	165835	51.642	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.280%	
35) Dibromofluoromethane	5.295	113	121955	50.019	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	7.902	98	493992	51.667	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	10.635	95	185110	50.808	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	46	0.392	ug/l #	43
3) Chloromethane	1.520	50	822	0.209	ug/l	93
10) Methyl Iodide	2.729	142	41	9.371	ug/l #	43
11) Tert butyl alcohol	3.205	59	145	0.209	ug/l #	72
16) Acetone	2.642	43	4070	2.792	ug/l	100
17) Carbon Disulfide	2.797	76	1838	0.280	ug/l #	75
25) 2-Butanone	4.726	43	1141	0.518	ug/l #	88
31) Cyclohexane	5.378	56	5036	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	17799	4.876	ug/l #	49
38) Carbon Tetrachloride	5.378	117	20351	6.393	ug/l #	15
51) 4-Methyl-2-Pentanone	7.793	43	901	0.209	ug/l #	77
56) Ethyl methacrylate	8.340	69	96	1.660	ug/l #	26
59) 2-Hexanone	8.687	43	966	0.290	ug/l	82
70) Styrene	10.121	104	579	1.041	ug/l	94
74) N-amyl acetate	10.320	43	171	1.182	ug/l #	40
76) 1,2,3-Trichloropropane	10.635	75	94943	20.019	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	94943	55.601	ug/l #	12
86) p-Isopropyltoluene	11.793	119	1136	0.288	ug/l #	64
89) n-Butylbenzene	12.211	91	1899	1.106	ug/l	95
93) 1,2,4-Trichlorobenzene	13.844	180	1240	0.335	ug/l	95
95) Naphthalene	14.092	128	2956	0.302	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.336	180	877	0.235	ug/l	83

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

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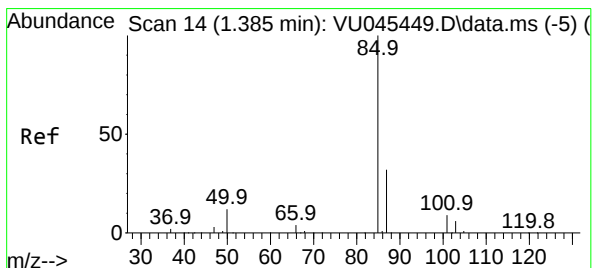
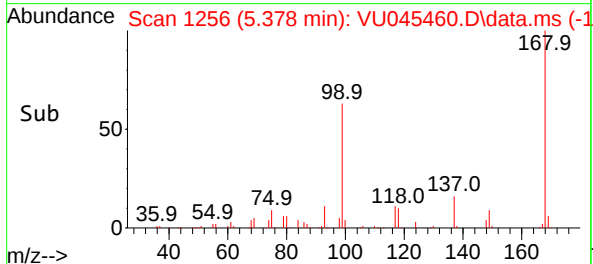
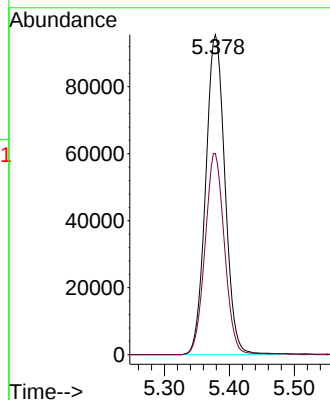
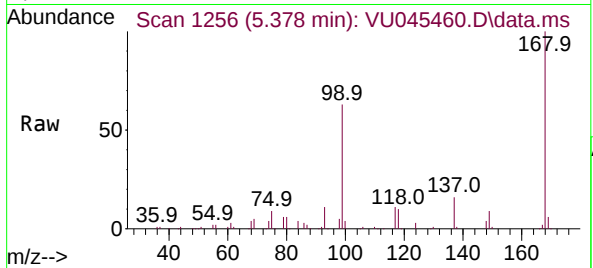




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.001 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

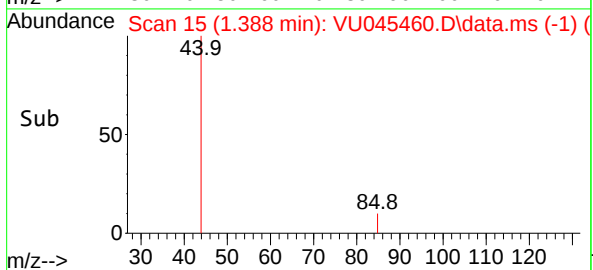
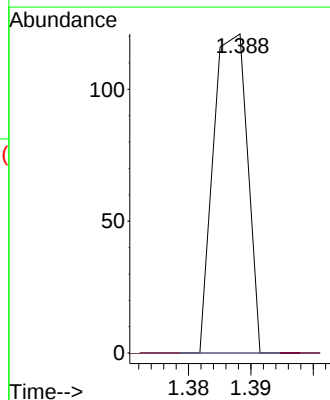
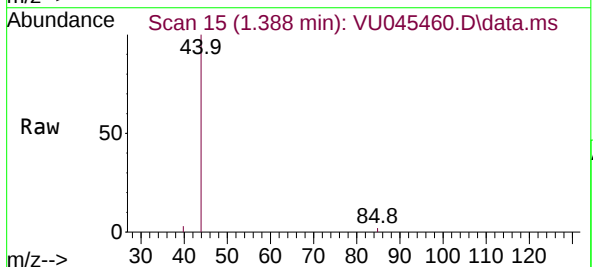
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

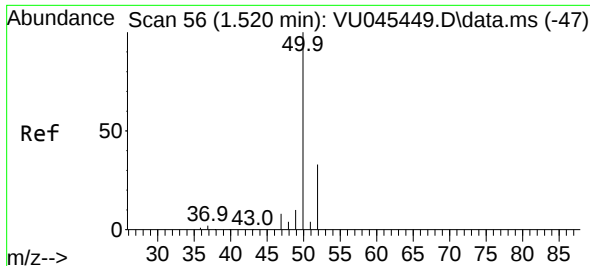
Tgt Ion:168 Resp: 197248
Ion Ratio Lower Upper
168 100
99 62.9 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.392 ug/l
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 85 Resp: 46
Ion Ratio Lower Upper
85 100
87 0.0 15.9 47.7#

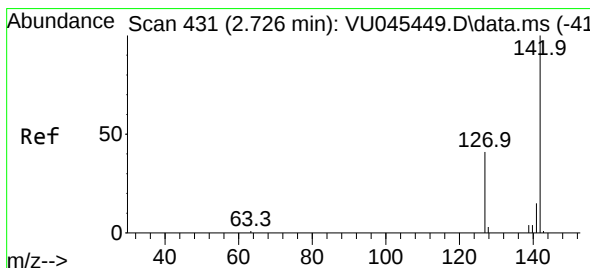
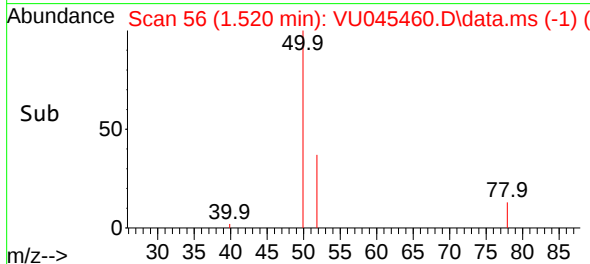
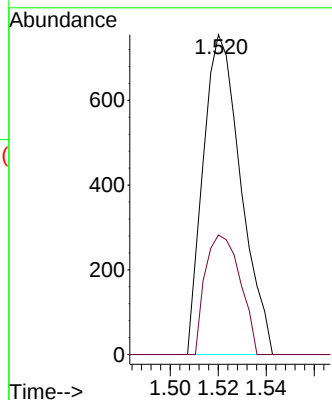
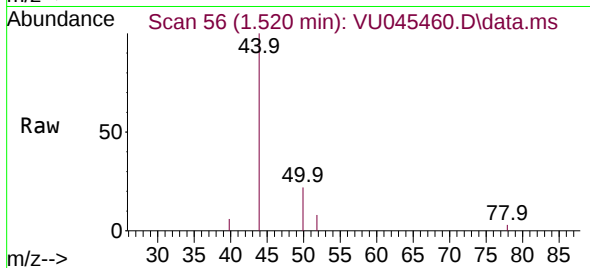




#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

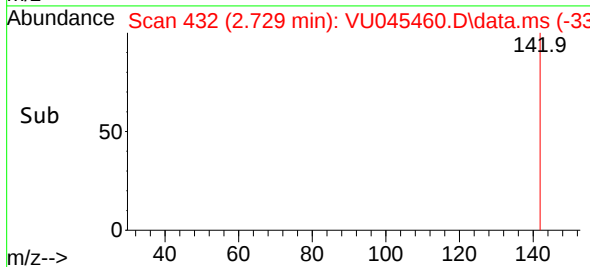
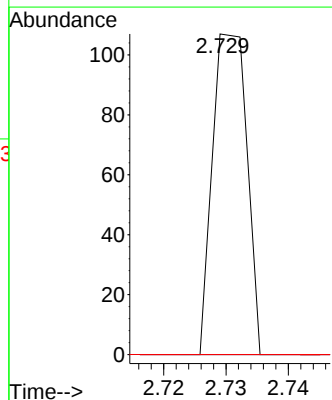
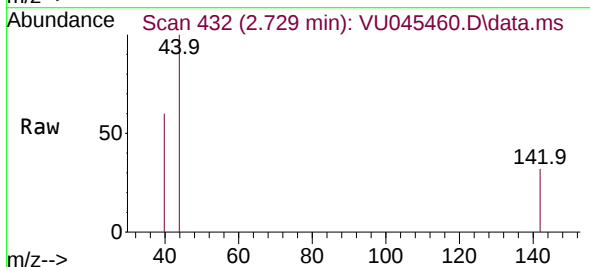
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

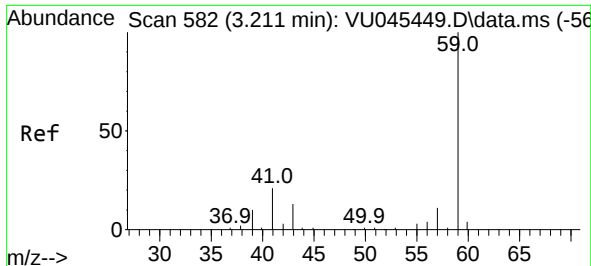
Tgt Ion: 50 Resp: 822
Ion Ratio Lower Upper
50 100
52 37.4 26.6 40.0



#10
Methyl Iodide
Concen: 9.371 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 32.2 48.2#
141 0.0 11.3 16.9#

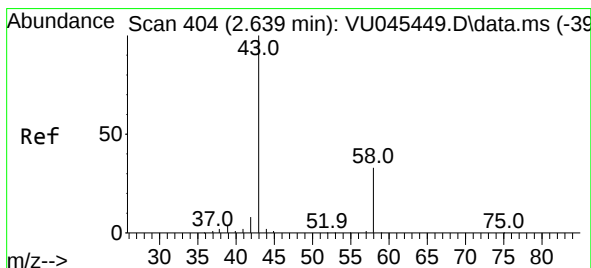
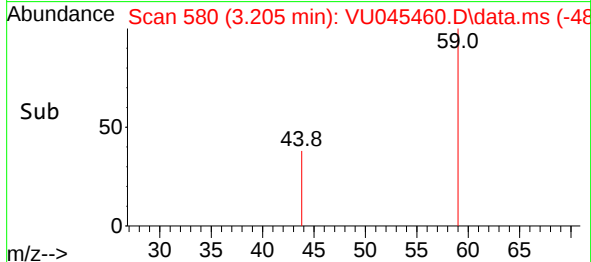
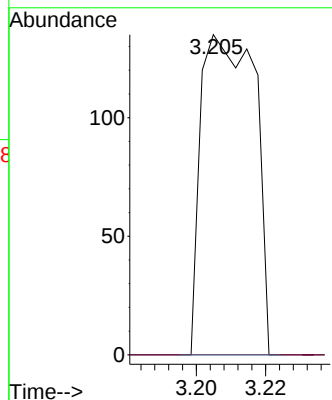
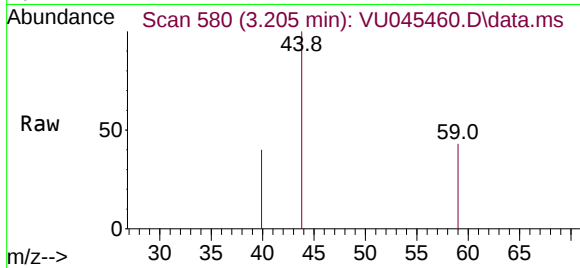




#11
Tert butyl alcohol
Concen: 0.209 ug/l
RT: 3.205 min Scan# 580
Delta R.T. -0.006 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

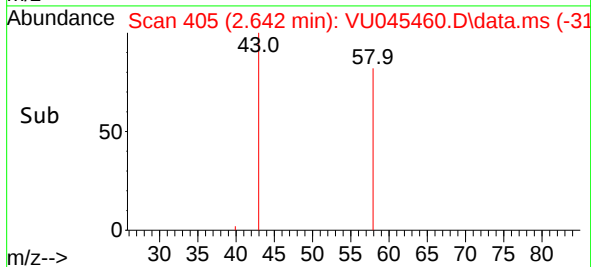
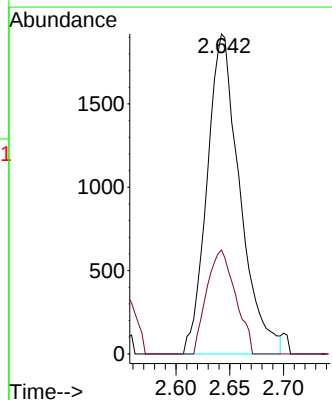
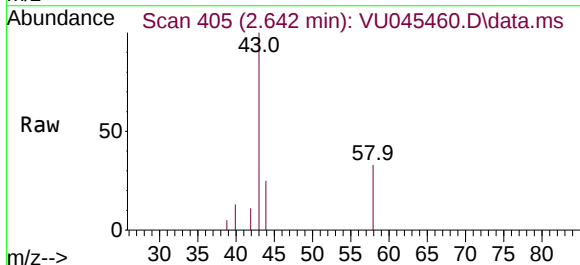
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

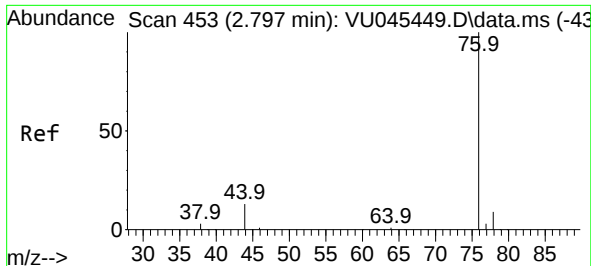
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.792 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 43 Resp: 4070
Ion Ratio Lower Upper
43 100
58 32.5 26.2 39.2

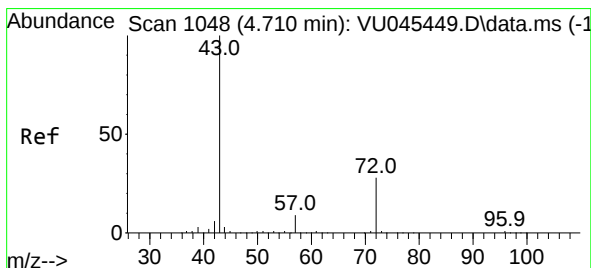
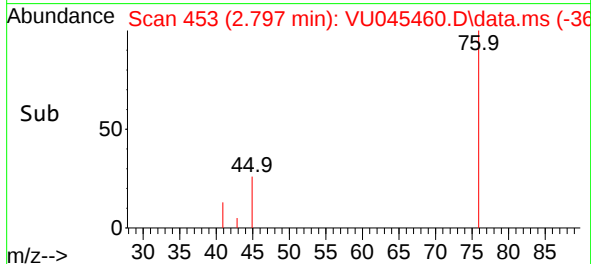
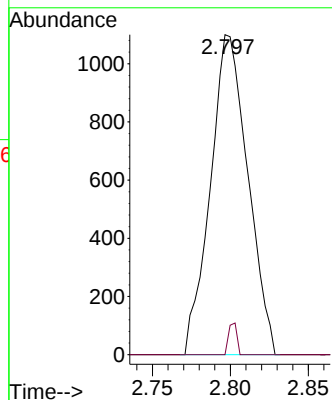
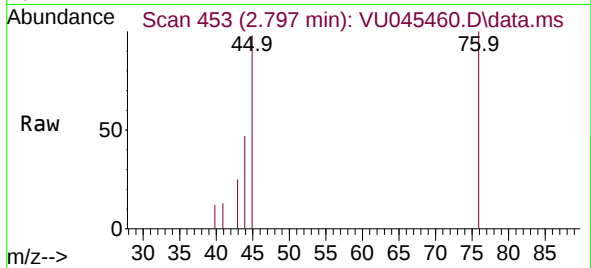




#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 2.797 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

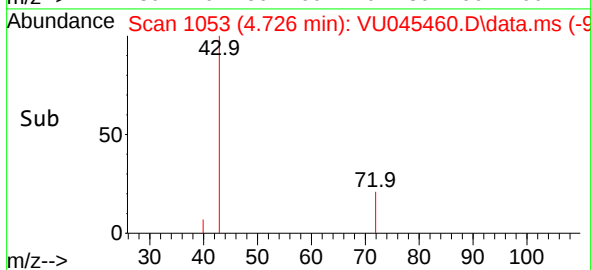
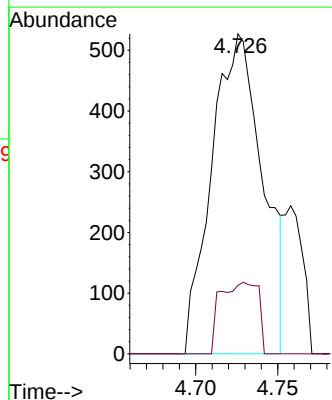
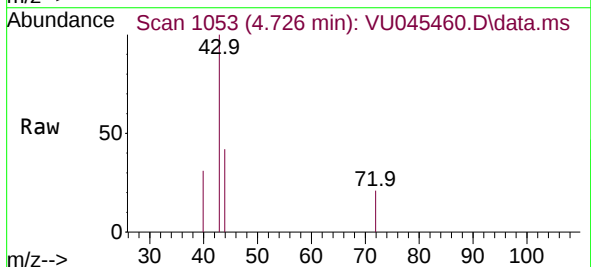
Instrument :
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ClientSampleId :
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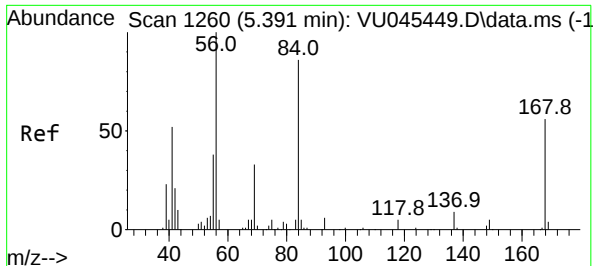
Tgt Ion: 76 Resp: 1838
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#25
2-Butanone
Concen: 0.518 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.016 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
72 21.4 22.0 33.0#

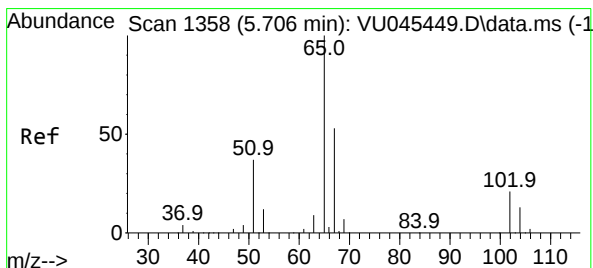
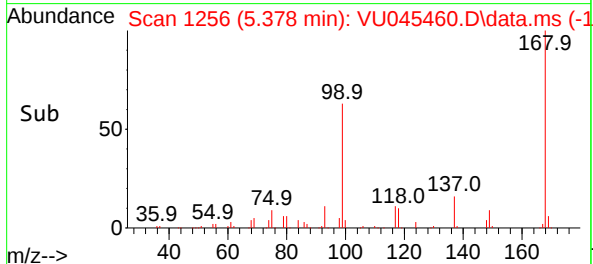
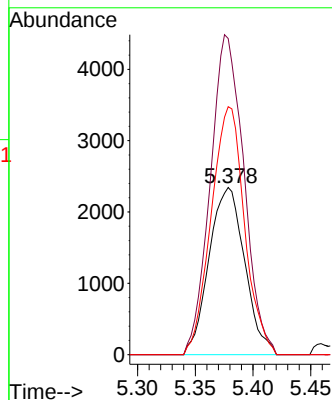
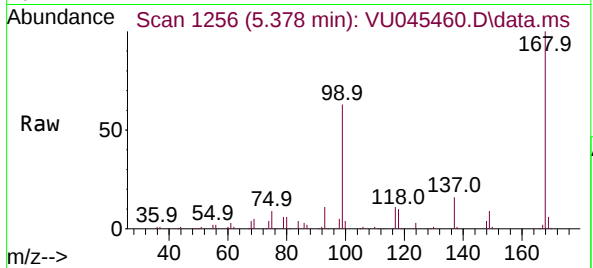




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

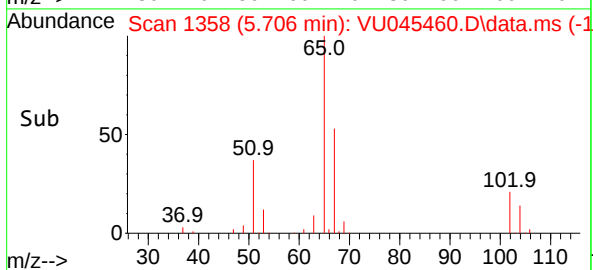
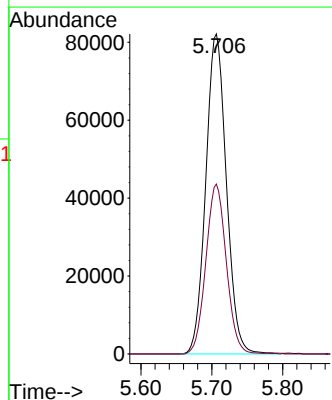
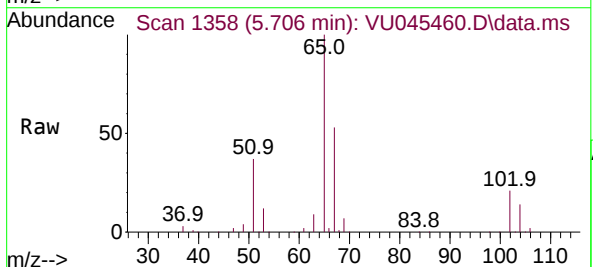
Instrument :
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ClientSampleId :
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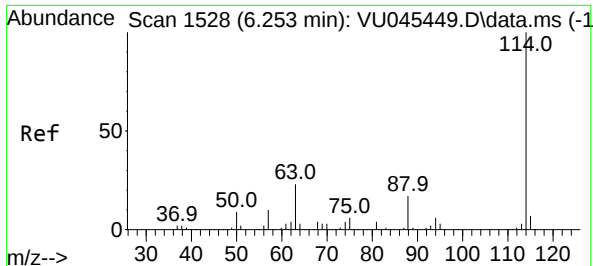
Tgt Ion: 56 Resp: 5036
Ion Ratio Lower Upper
56 100
69 189.1 26.4 39.6#
84 148.3 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 51.642 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 65 Resp: 165835
Ion Ratio Lower Upper
65 100
67 52.8 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: VU045460.D

Acq: 29 Oct 2021 13:49

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-GW-238-240

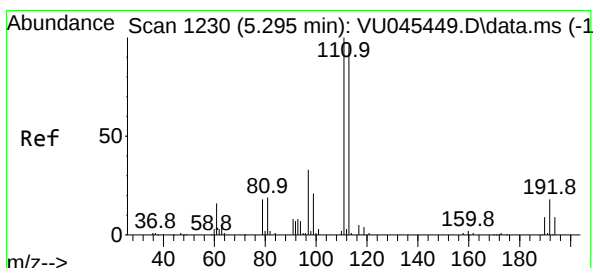
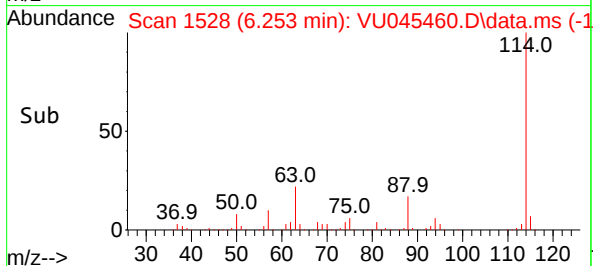
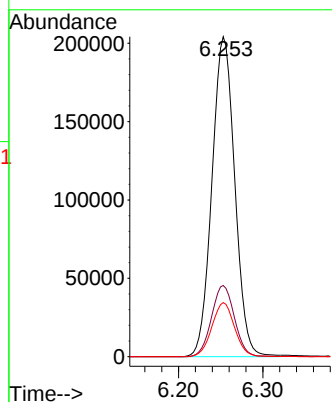
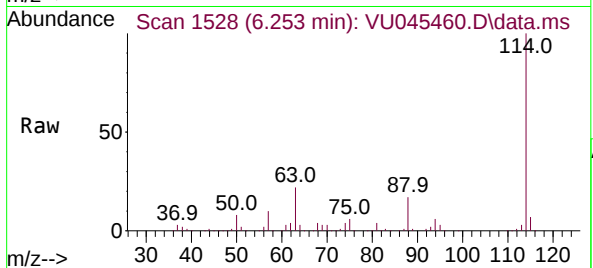
Tgt Ion:114 Resp: 383455

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.019 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU045460.D

Acq: 29 Oct 2021 13:49

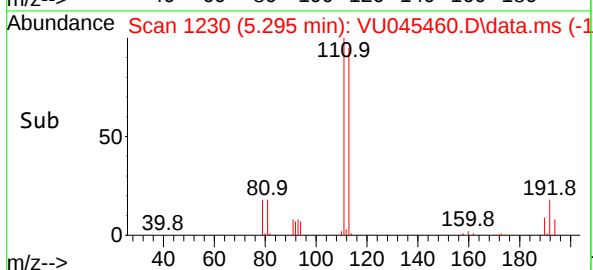
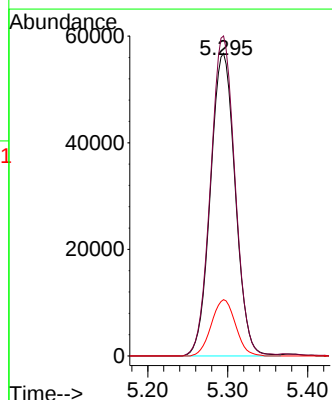
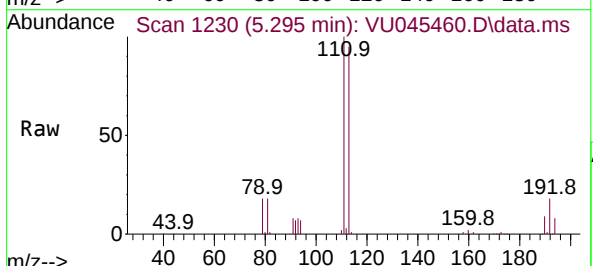
Tgt Ion:113 Resp: 121955

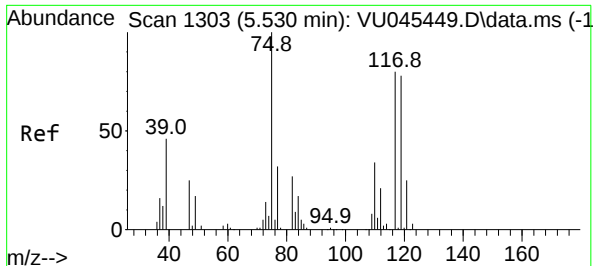
Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 18.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045460.D

Acq: 29 Oct 2021 13:49

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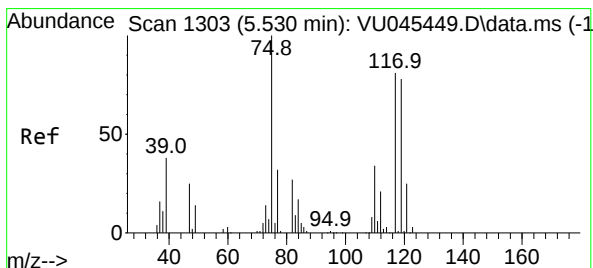
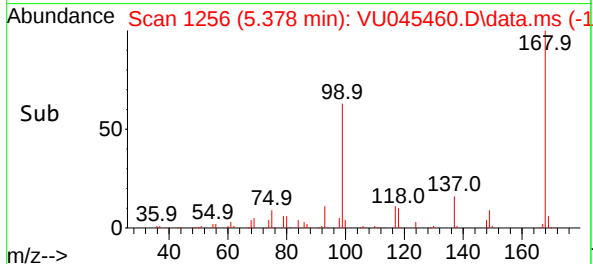
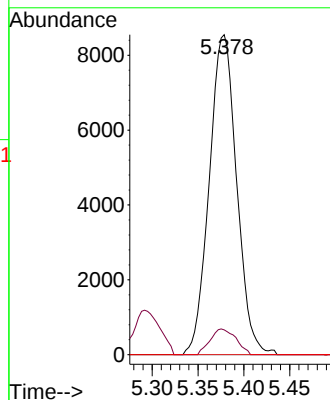
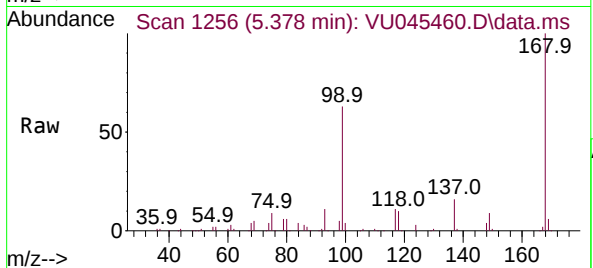
Tgt Ion: 75 Resp: 17799

Ion Ratio Lower Upper

75 100

110 7.5 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.393 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045460.D

Acq: 29 Oct 2021 13:49

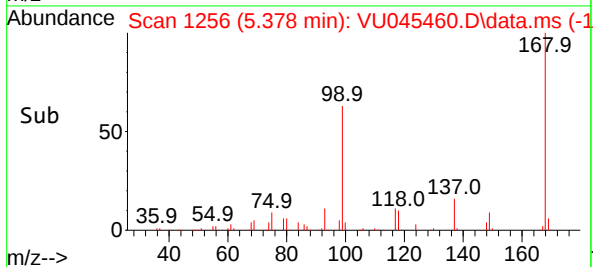
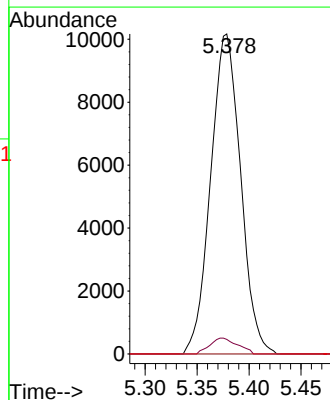
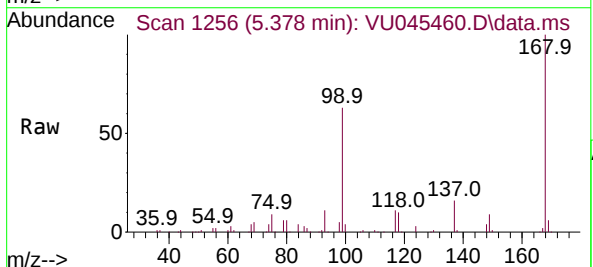
Tgt Ion: 117 Resp: 20351

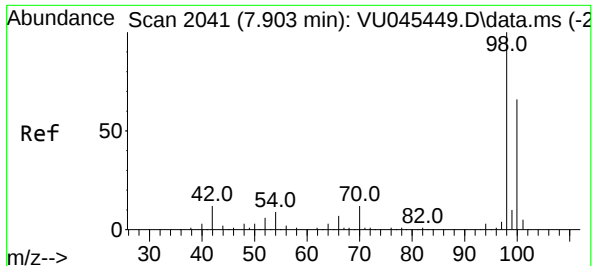
Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

121 0.0 24.8 37.2#

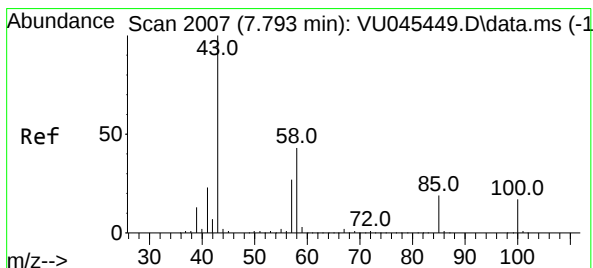
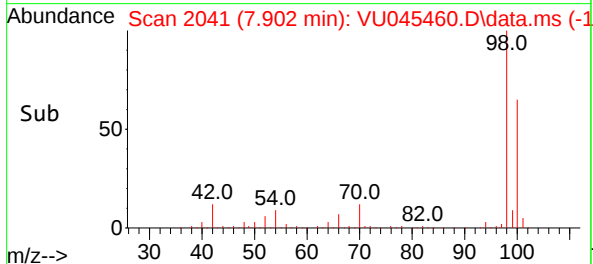
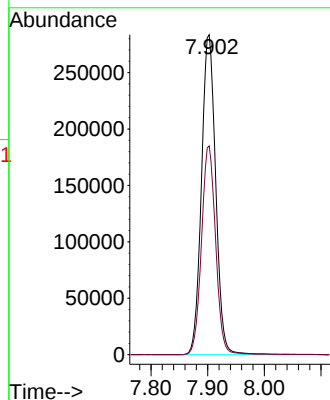
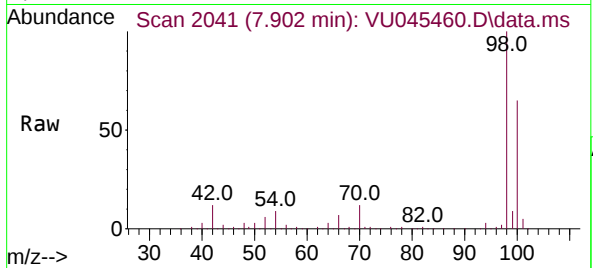




#50
Toluene-d8
Concen: 51.667 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

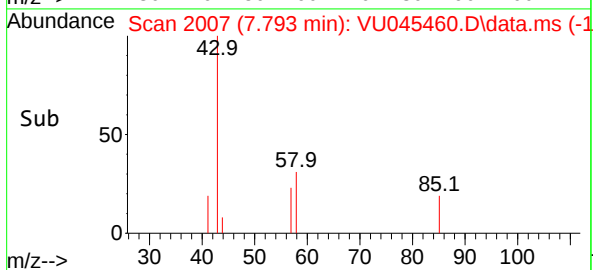
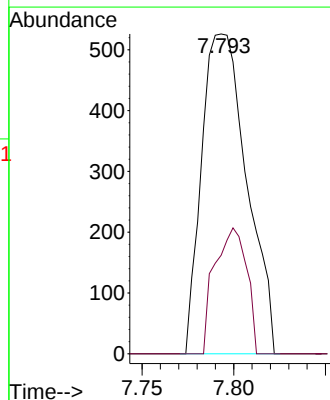
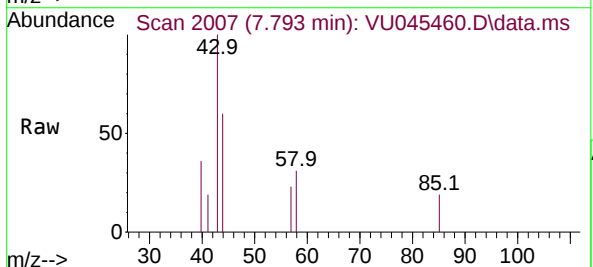
Instrument : MSVOA_U
ClientSampleId : BP-VPB-RW9-GW-238-240

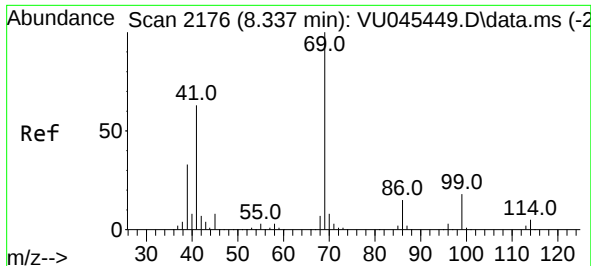
Tgt Ion: 98 Resp: 493992
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 27.9 33.8 50.8#

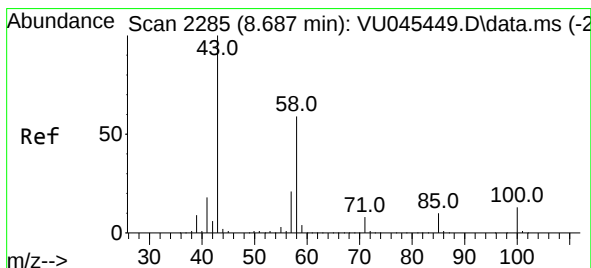
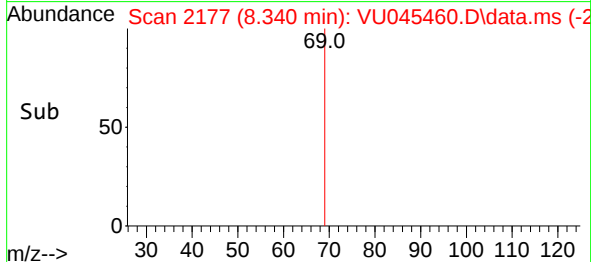
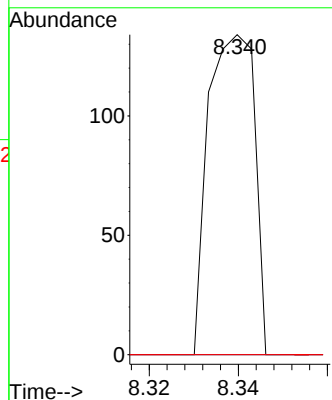
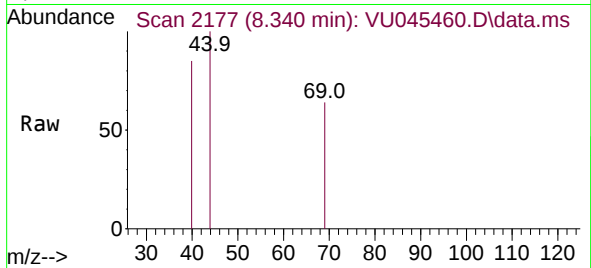




#56
Ethyl methacrylate
Concen: 1.660 ug/l
RT: 8.340 min Scan# 2176
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

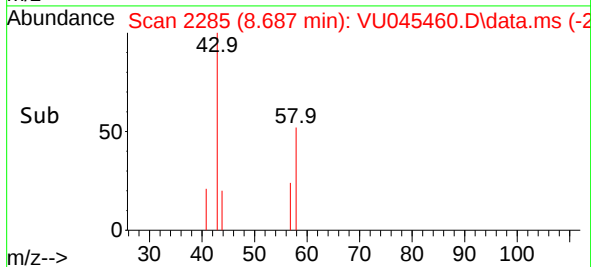
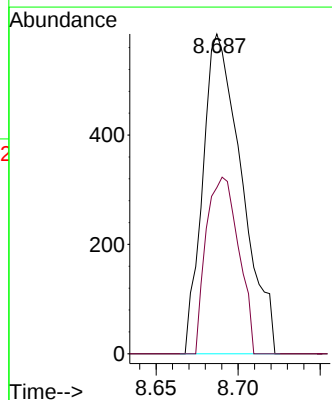
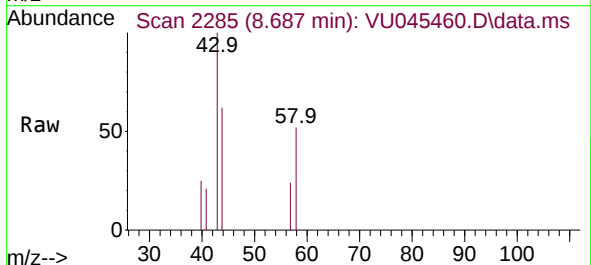
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

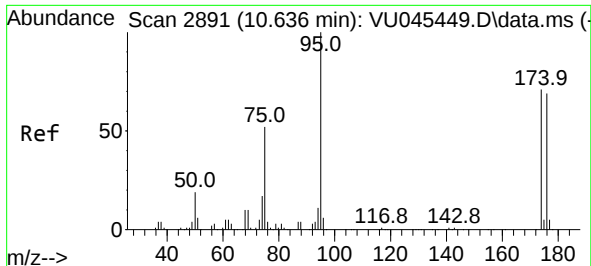
Tgt Ion: 69 Resp: 96
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 39.8#



#59
2-Hexanone
Concen: 0.290 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
58 45.9 29.5 88.6

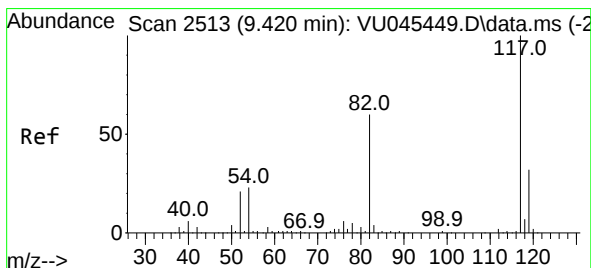
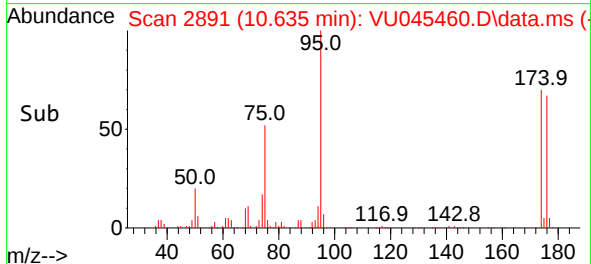
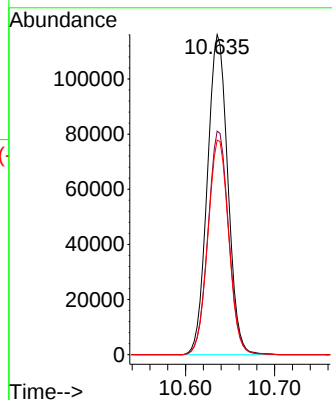
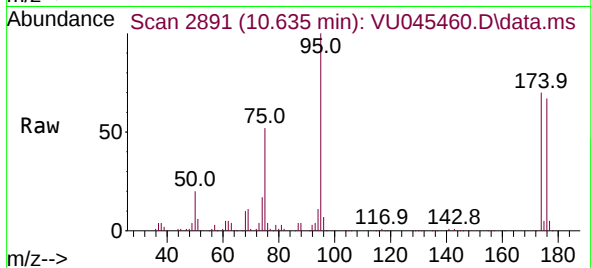




#62
4-Bromofluorobenzene
Concen: 50.808 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

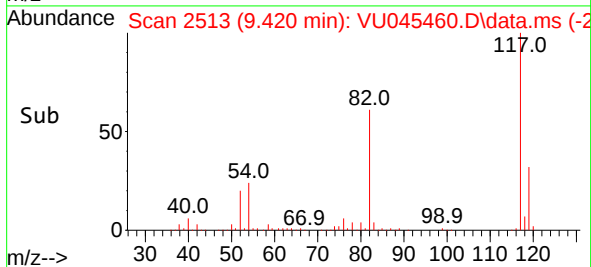
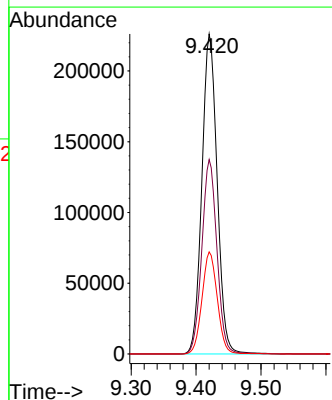
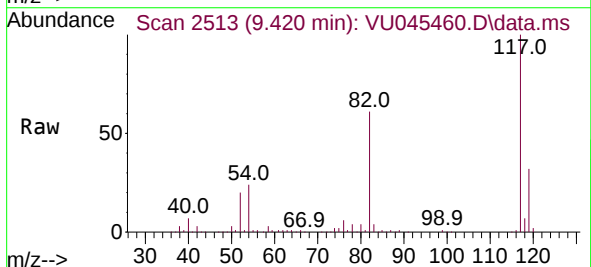
Instrument : MSVOA_U
ClientSampleId : BP-VPB-RW9-GW-238-240

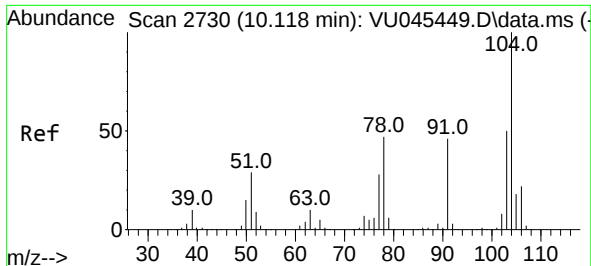
Tgt Ion: 95 Resp: 185110
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.8
176 68.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 117 Resp: 370435
Ion Ratio Lower Upper
117 100
82 60.8 47.8 71.8
119 31.9 25.8 38.8

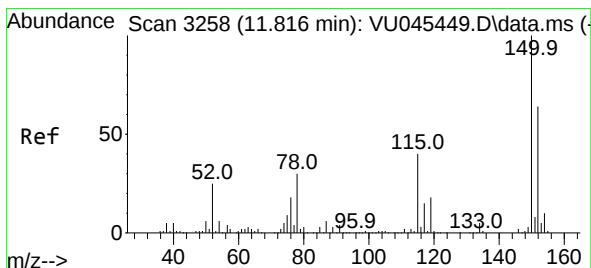
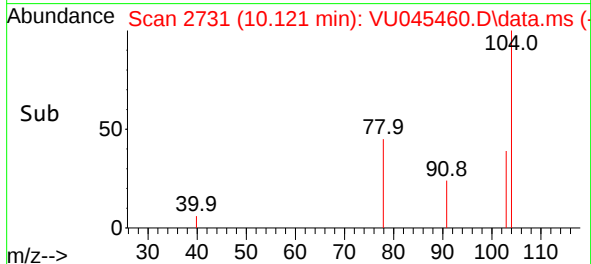
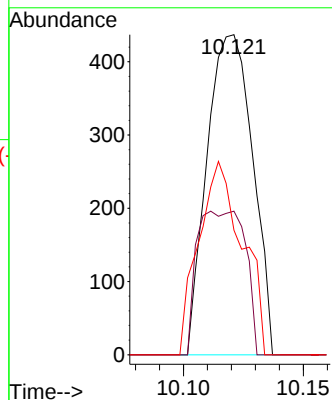
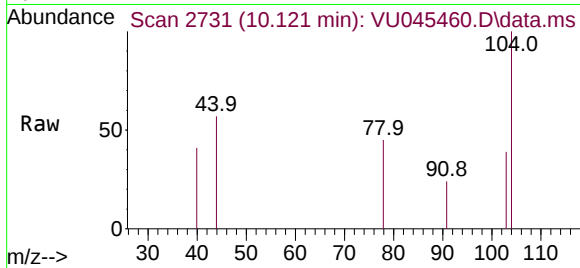




#70
Styrene
Concen: 1.041 ug/l
RT: 10.121 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

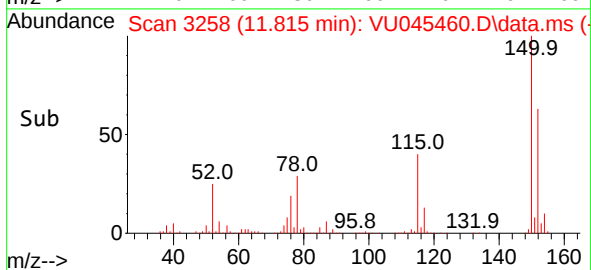
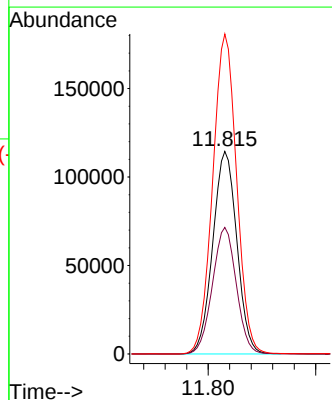
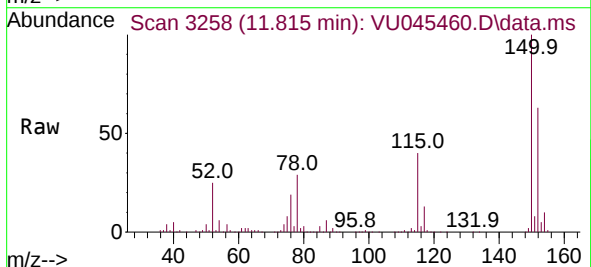
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

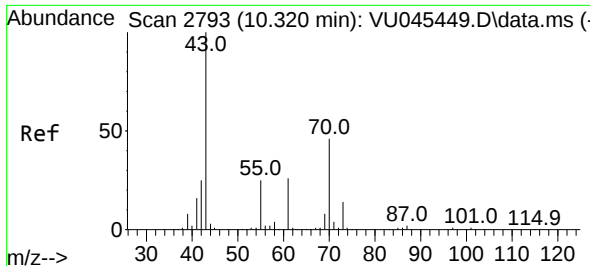
Tgt Ion:104 Resp: 579
Ion Ratio Lower Upper
104 100
78 47.2 41.8 62.6
103 57.9 43.8 65.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion:152 Resp: 178002
Ion Ratio Lower Upper
152 100
115 62.1 42.7 128.1
150 156.9 0.0 346.8

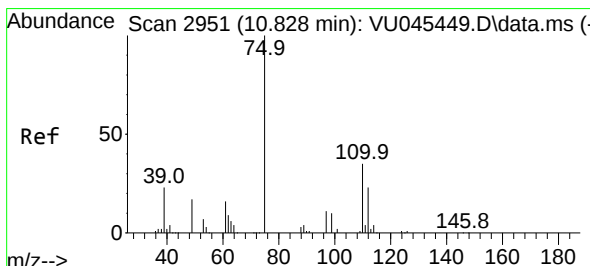
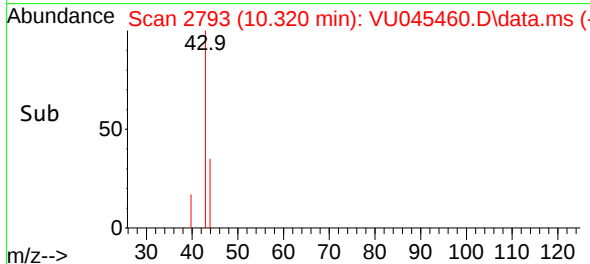
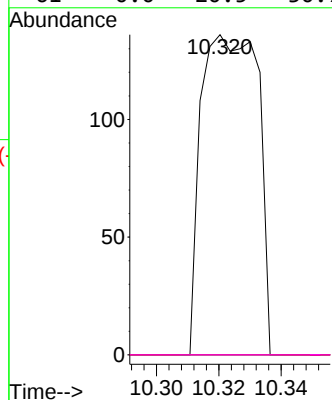
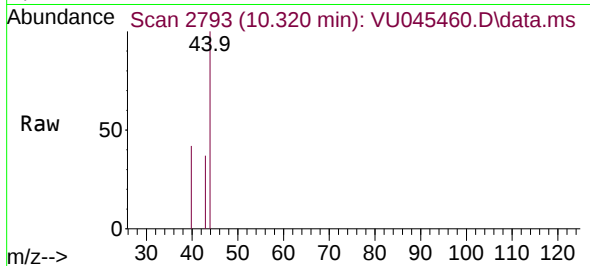




#74
N-amy1 acetate
Concen: 1.182 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

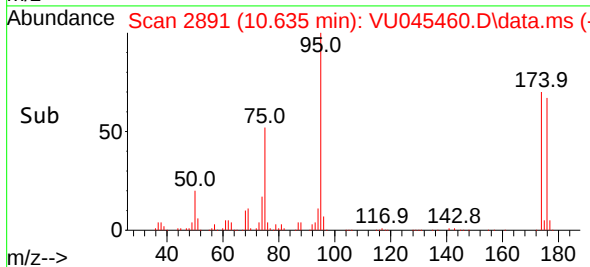
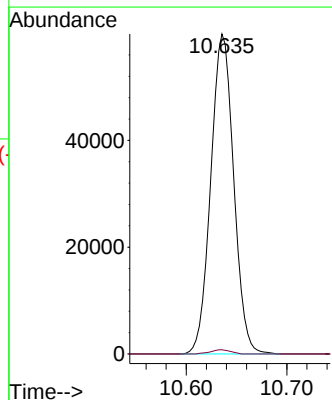
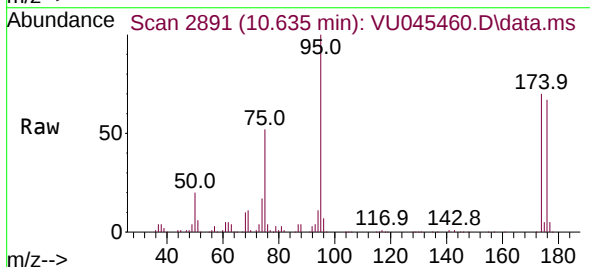
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

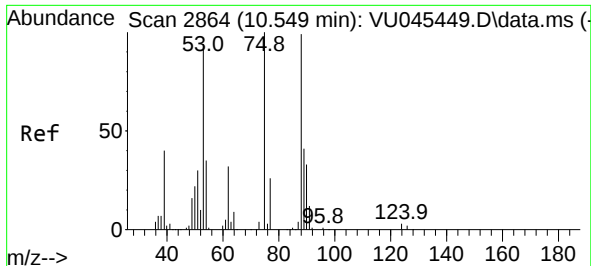
Tgt Ion: 43	Resp:	171
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.9 55.3#
55	0.0	20.6 31.0#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 20.019 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 75	Resp:	94943
Ion	Ratio	Lower Upper
75	100	
77	1.1	17.1 51.3#

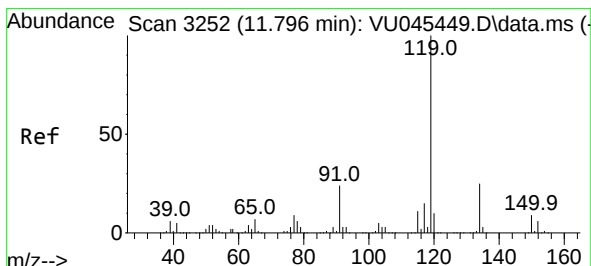
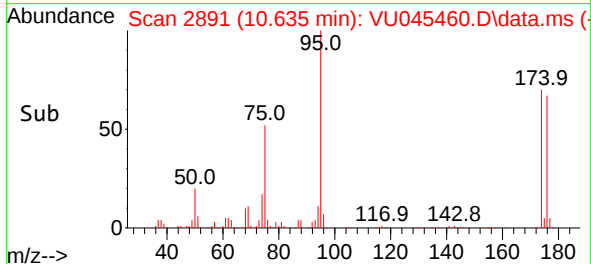
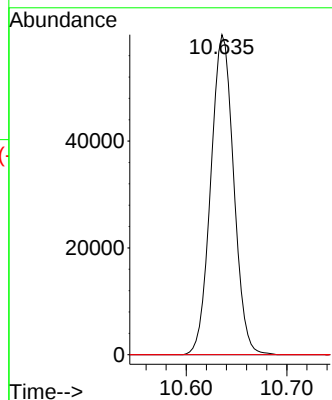
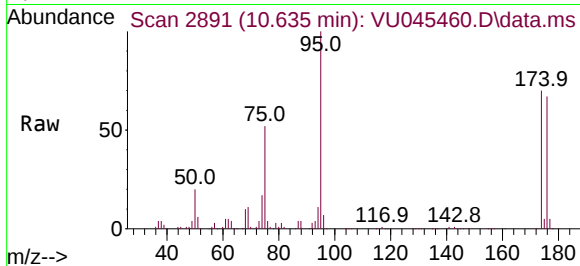




#81
trans-1,4-Dichloro-2-butene
Concen: 55.601 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.086 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

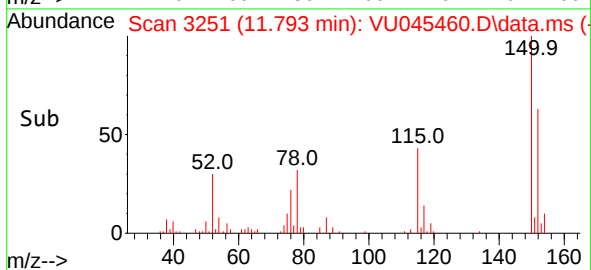
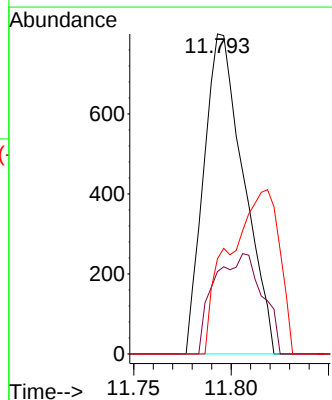
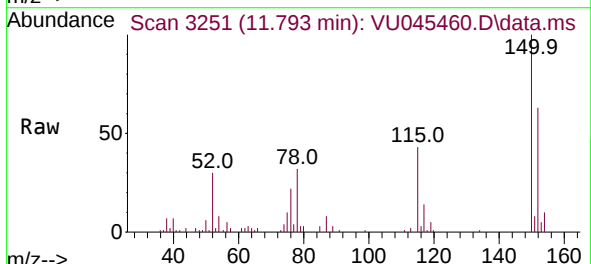
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

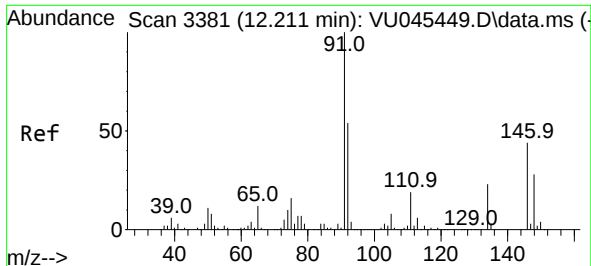
Tgt Ion: 75 Resp: 94943
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#86
p-Isopropyltoluene
Concen: 0.288 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. -0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion: 119 Resp: 1136
Ion Ratio Lower Upper
119 100
134 37.8 12.7 38.1
91 0.0 12.2 36.4#

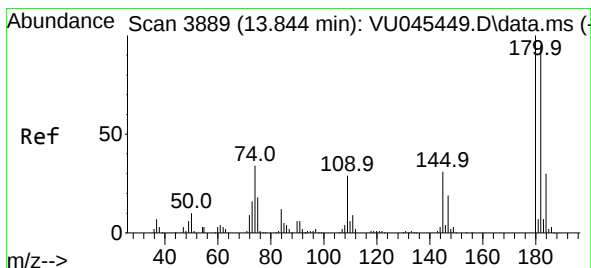
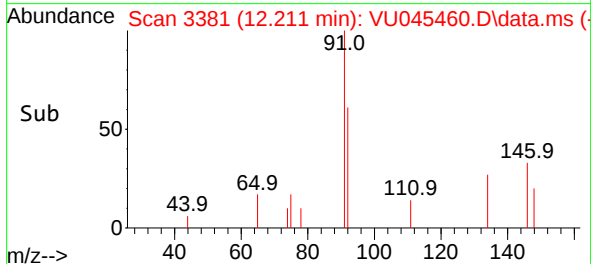
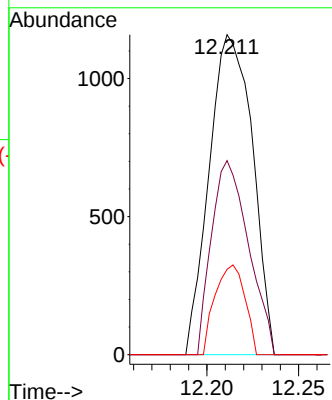
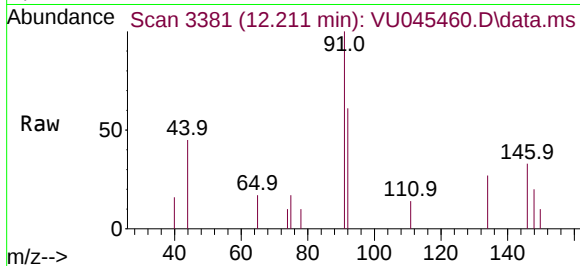




#89
n-Butylbenzene
Concen: 1.106 ug/l
RT: 12.211 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

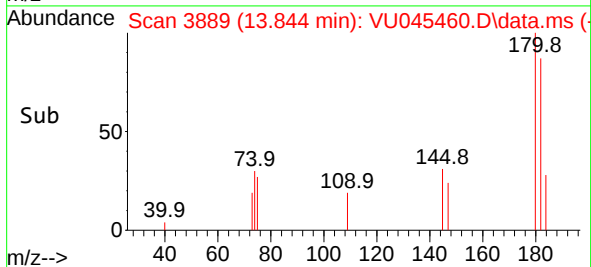
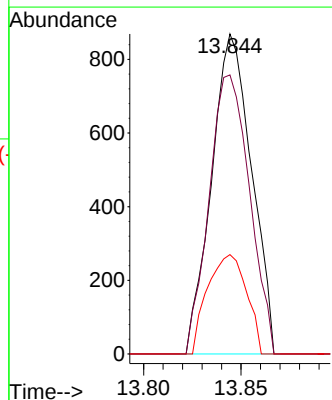
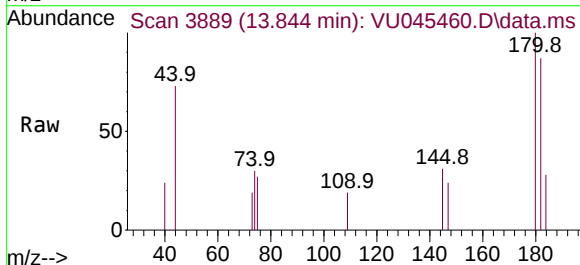
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-GW-238-240

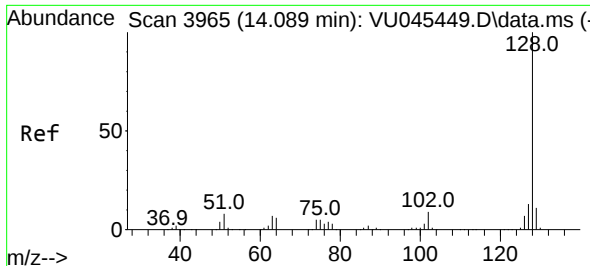
Tgt Ion:	91	Resp:	1899
Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.1	81.2
134	19.3	11.8	35.4



#93
1,2,4-Trichlorobenzene
Concen: 0.335 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion:	180	Resp:	1240
Ion	Ratio	Lower	Upper
180	100		
182	88.3	47.0	141.2
145	30.3	15.6	46.7

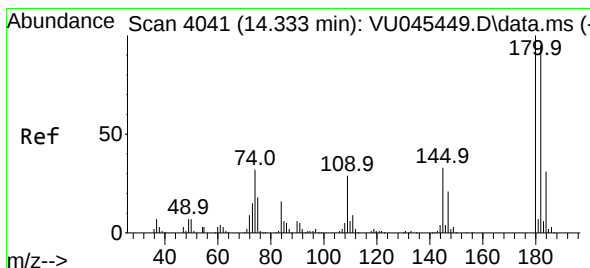
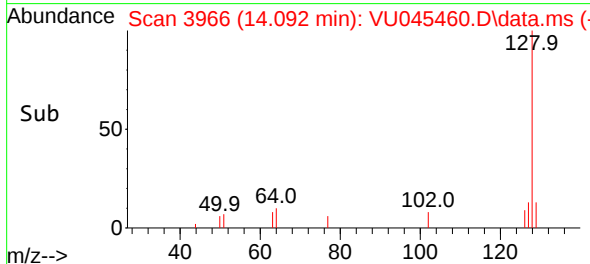
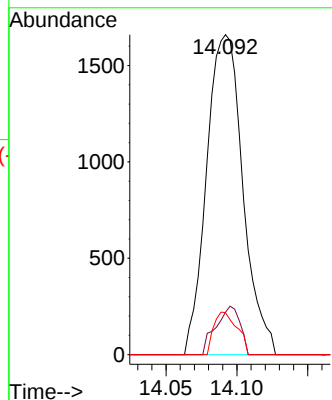
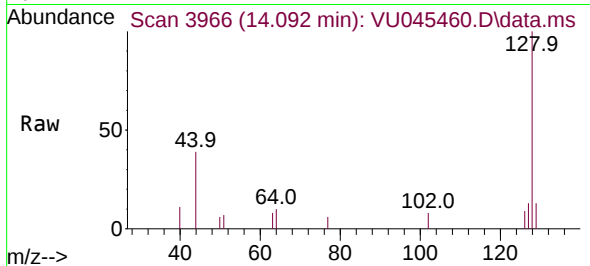




#95
Naphthalene
Concen: 0.302 ug/l
RT: 14.092 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

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

Tgt Ion:128 Resp: 2956
Ion Ratio Lower Upper
128 100
127 10.0 10.6 15.8#
129 8.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.235 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU045460.D
Acq: 29 Oct 2021 13:49

Tgt Ion:180 Resp: 877
Ion Ratio Lower Upper
180 100
182 115.7 47.7 143.1
145 36.3 16.7 50.0

