

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050721\
 Data File : VU043606.D
 Acq On : 07 May 2021 12:52
 Operator : SY/MD
 Sample : M2333-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-EB-20210506

Quant Time: May 08 01:07:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

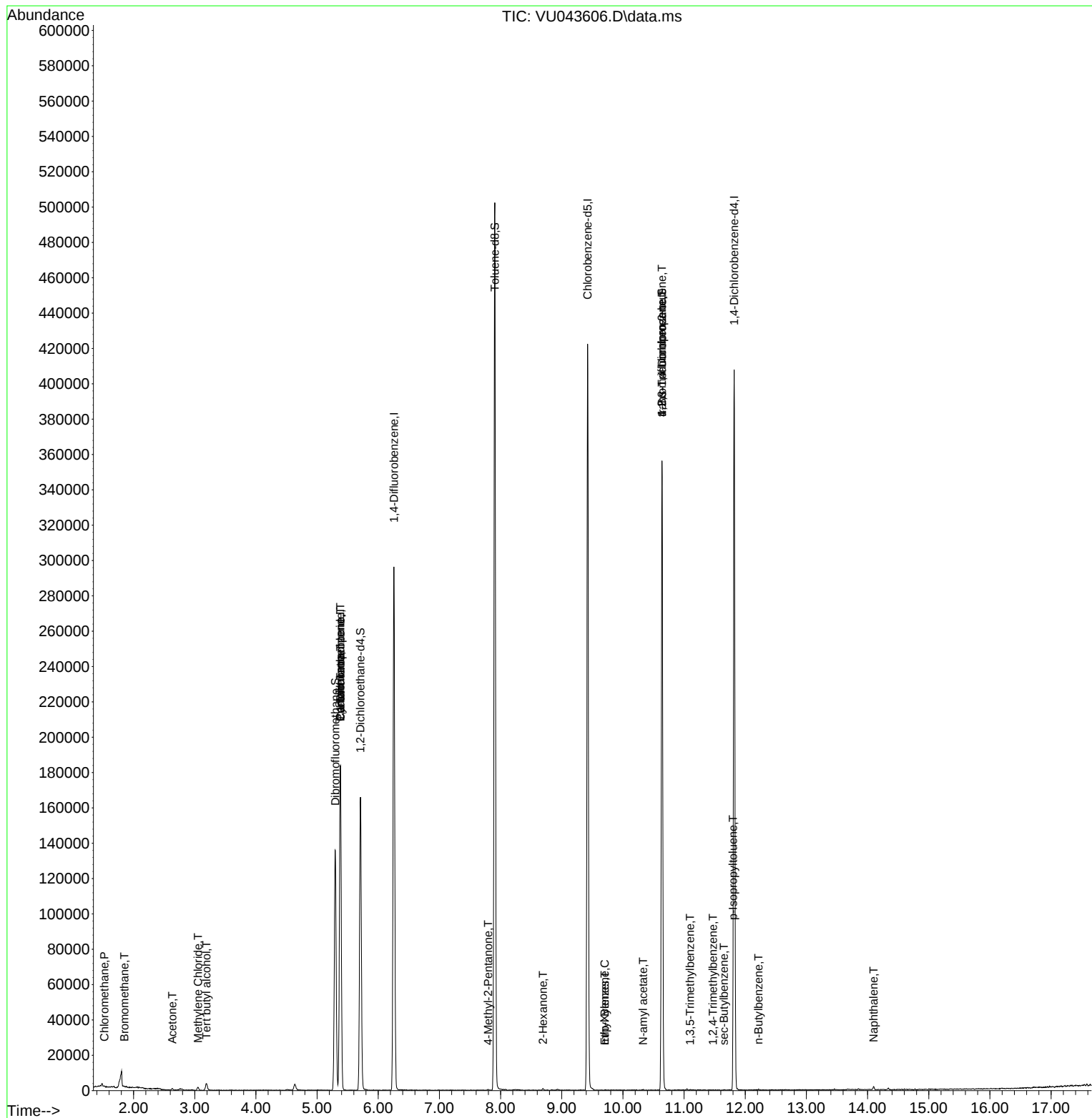
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	120208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	213165	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	208011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	94520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	123477	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	5.298	113	84515	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	7.906	98	301467	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.639	95	104769	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	682	0.62	ug/l	93
5) Bromomethane	1.851	94	307	0.29	ug/l #	68
11) Tert butyl alcohol	3.189	59	2625	4.02	ug/l #	73
16) Acetone	2.636	43	997	0.74	ug/l	95
20) Methylene Chloride	3.054	84	732	0.39	ug/l #	81
31) Cyclohexane	5.378	56	3554	1.22	ug/l #	22
36) 1,1-Dichloropropene	5.378	75	11029	4.56	ug/l #	51
38) Carbon Tetrachloride	5.382	117	12899	5.26	ug/l #	17
51) 4-Methyl-2-Pentanone	7.796	43	456	19.27	ug/l	93
59) 2-Hexanone	8.693	43	704	20.88	ug/l	74
67) Ethyl Benzene	9.703	91	124	1.46	ug/l #	31
68) m/p-Xylenes	9.703	106	39	2.34	ug/l #	35
74) N-amyl acetate	10.330	43	145	2.55	ug/l #	60
76) 1,2,3-Trichloropropane	10.639	75	61177	20.36	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.098	105	43	0.74	ug/l #	31
81) trans-1,4-Dichloro-2-b...	10.639	75	61177	66.29	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.475	105	20	1.11	ug/l #	33
85) sec-Butylbenzene	11.652	105	72	1.34	ug/l #	59
86) p-Isopropyltoluene	11.799	119	129	1.49	ug/l #	1
89) n-Butylbenzene	12.217	91	247	2.57	ug/l #	35
95) Naphthalene	14.098	128	1869	1.75	ug/l #	85

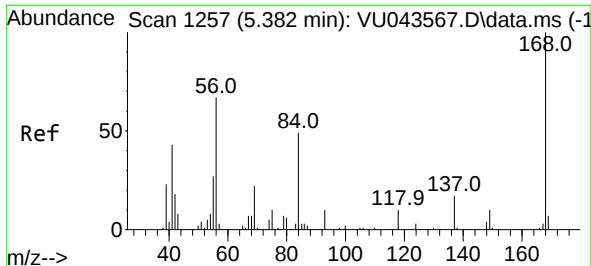
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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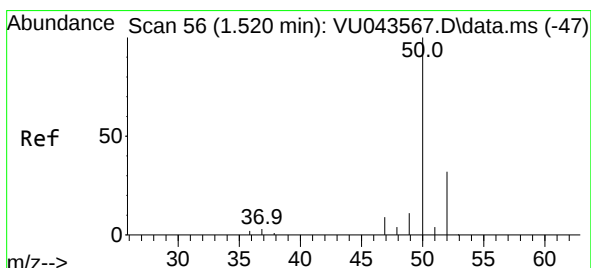
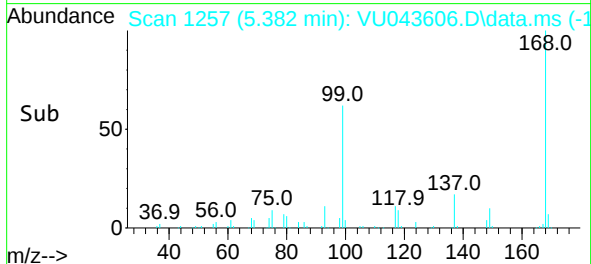
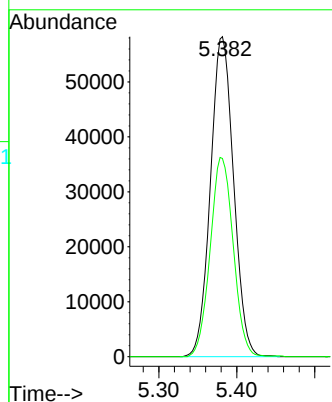
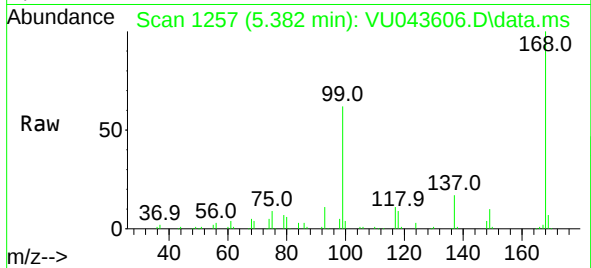




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

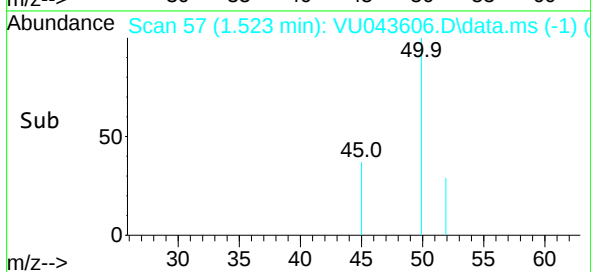
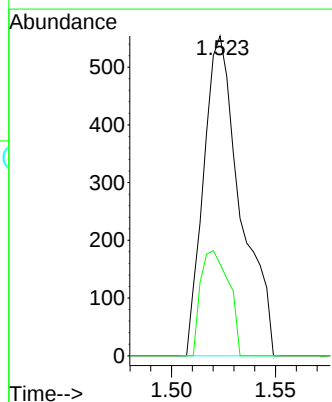
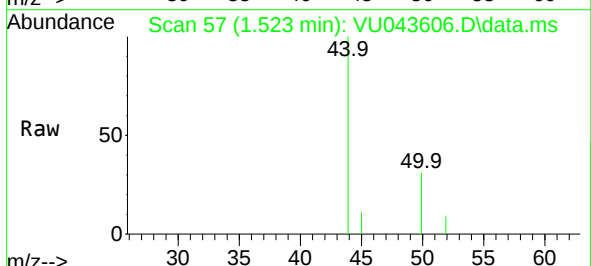
Instrument :
MSVOA_U
ClientSampleId :
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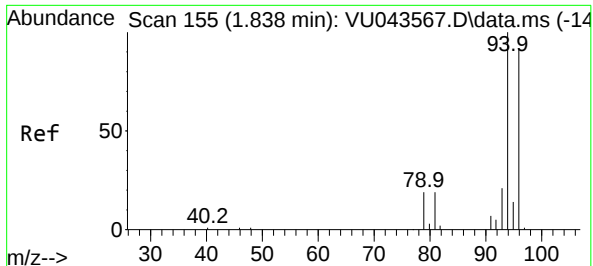
Tgt Ion:168 Resp: 120208
Ion Ratio Lower Upper
168 100
99 61.9 49.0 73.6



#3
Chloromethane
Concen: 0.62 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 50 Resp: 682
Ion Ratio Lower Upper
50 100
52 28.7 25.9 38.9

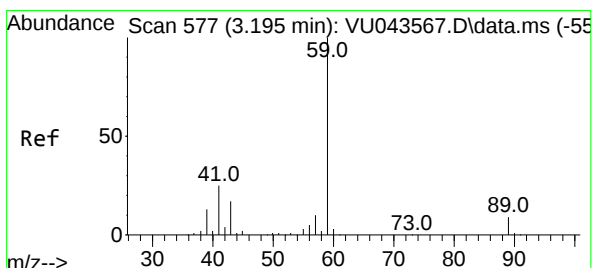
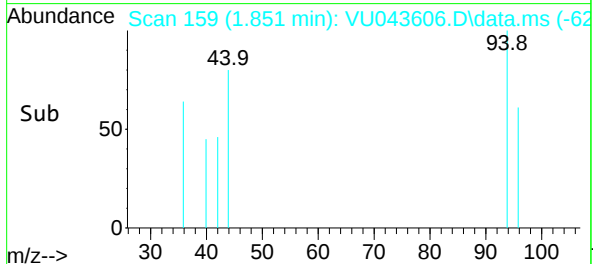
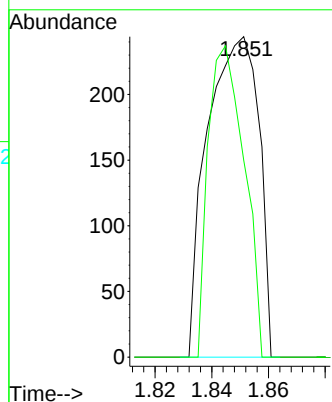
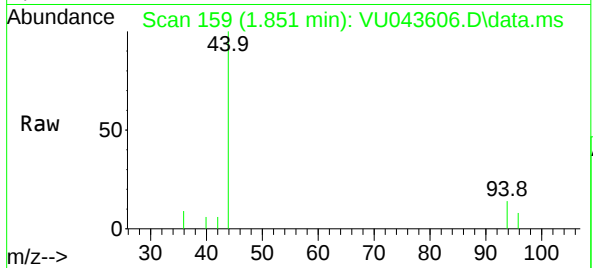




#5
Bromomethane
Concen: 0.29 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.013 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

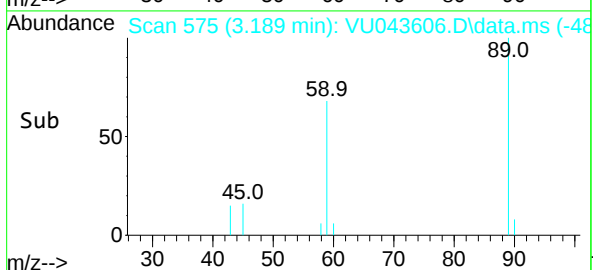
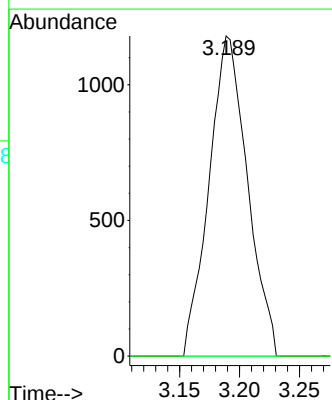
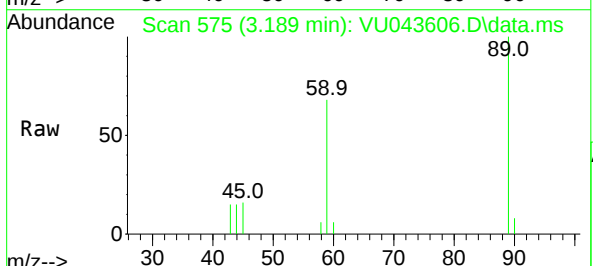
Instrument :
MSVOA_U
ClientSampleId :
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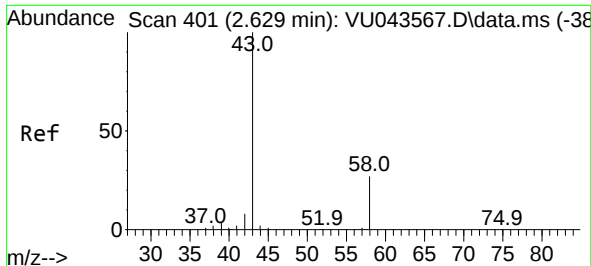
Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 61.5 73.3 109.9#



#11
Tert butyl alcohol
Concen: 4.02 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 59 Resp: 2625
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

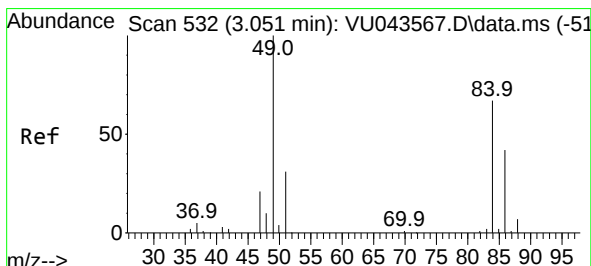
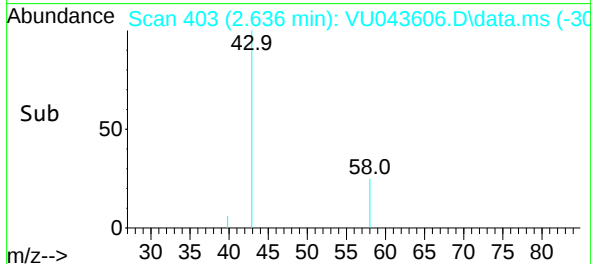
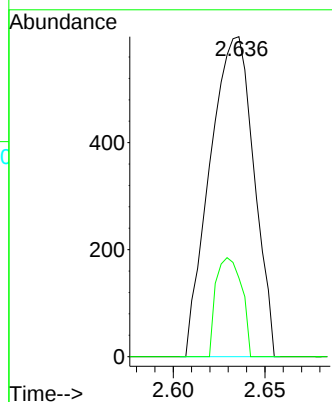
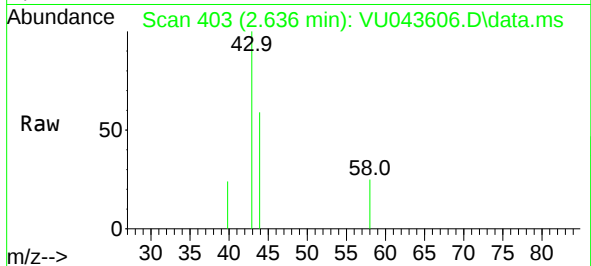




#16
Acetone
Concen: 0.74 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

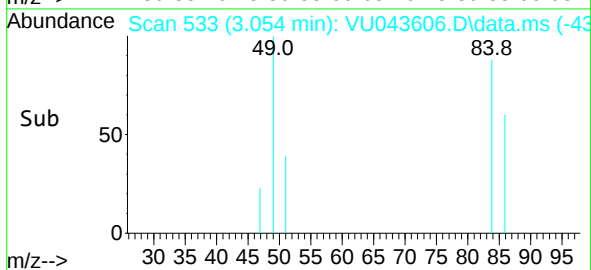
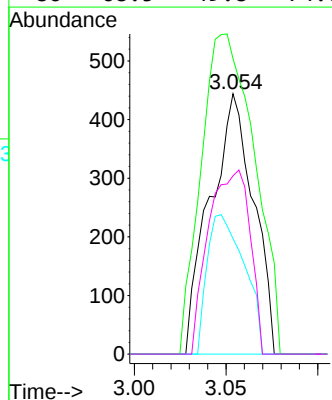
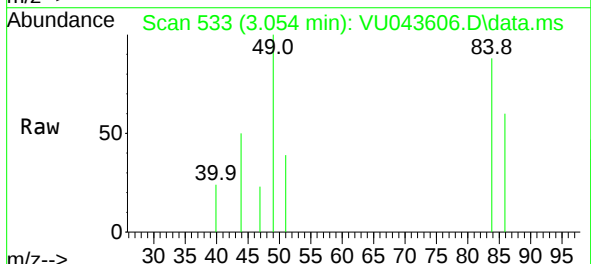
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

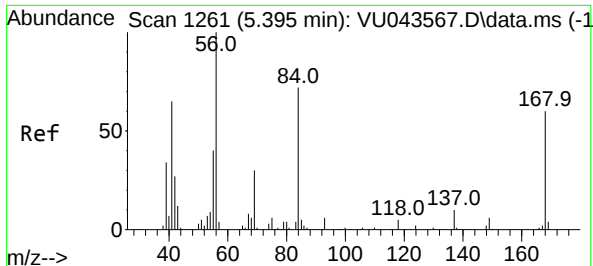
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 24.6 21.7 32.5



#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 84 Resp: 732
Ion Ratio Lower Upper
84 100
49 113.5 119.0 178.4#
51 44.4 36.8 55.2
86 68.5 49.8 74.6





#31

Cyclohexane

Concen: 1.22 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.016 min

Lab File: VU043606.D

Acq: 07 May 2021 12:52

Tgt Ion: 56 Resp: 3554

Ion Ratio Lower Upper

56 100

69 140.7 23.9 35.9#

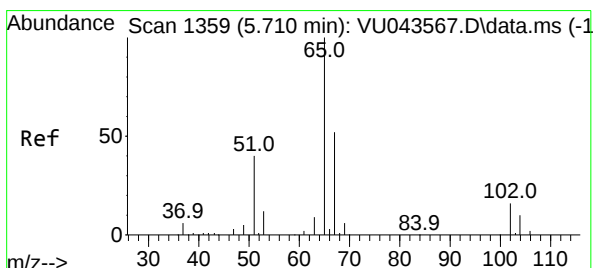
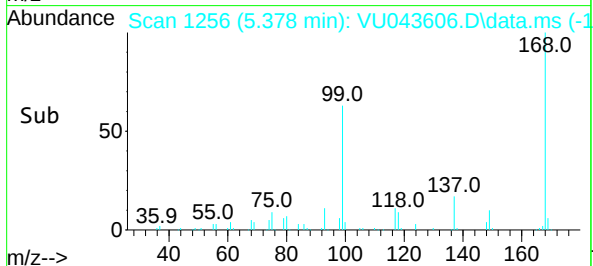
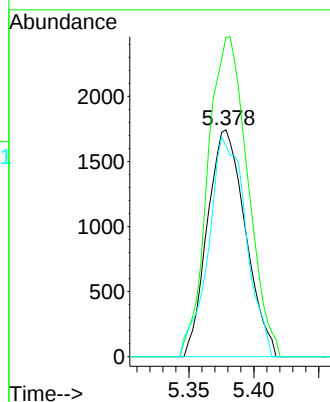
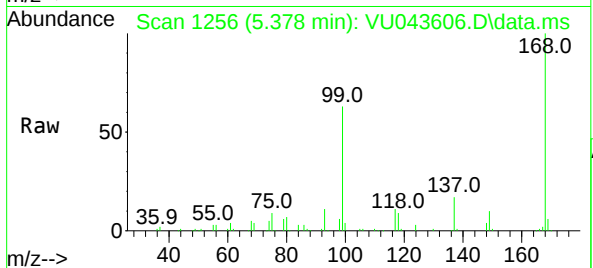
84 93.1 57.7 86.5#

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW8-EB-20210506



#33

1,2-Dichloroethane-d4

Concen: 50.74 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043606.D

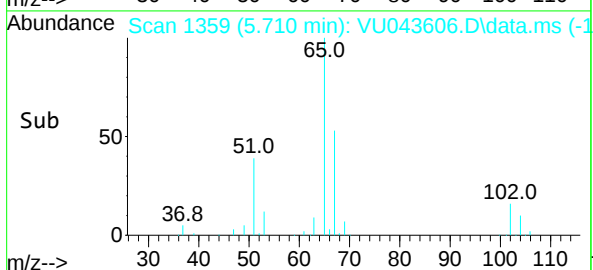
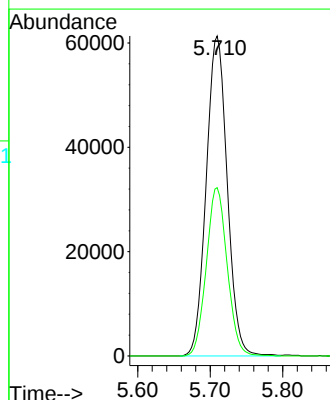
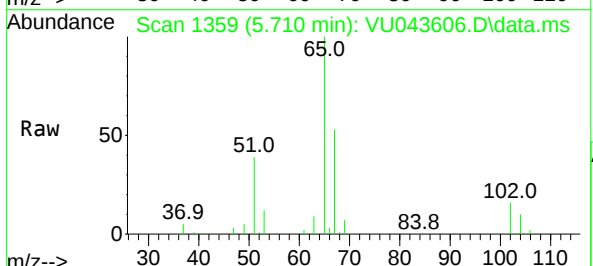
Acq: 07 May 2021 12:52

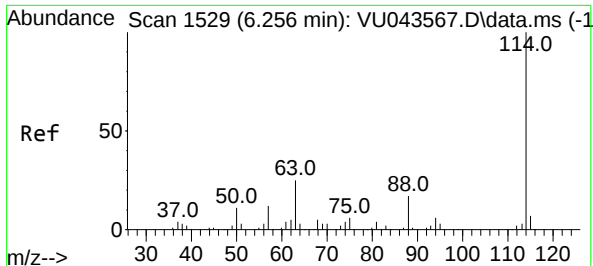
Tgt Ion: 65 Resp: 123477

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6

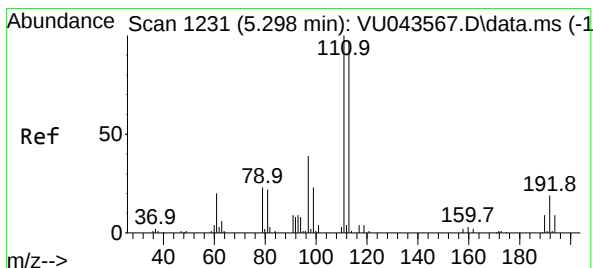
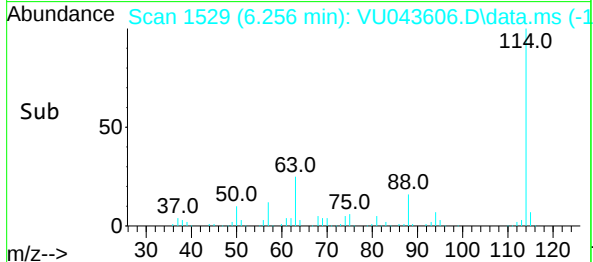
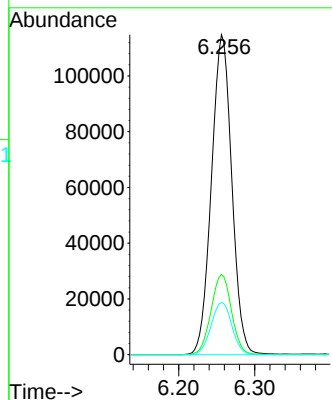
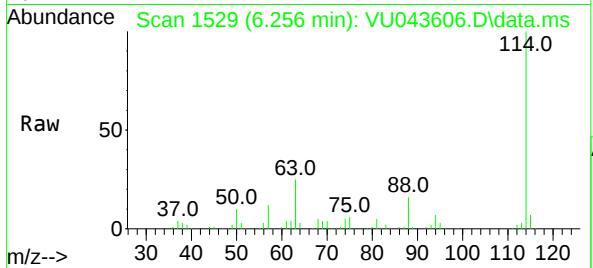




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

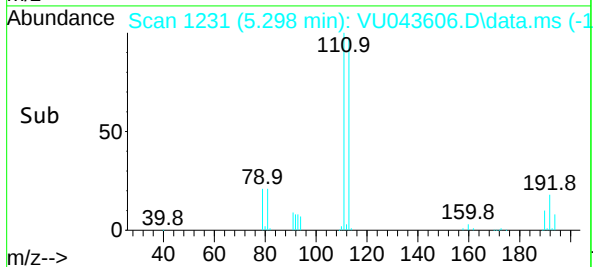
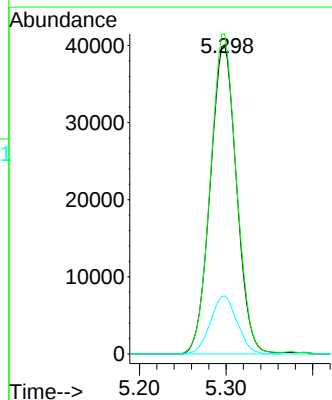
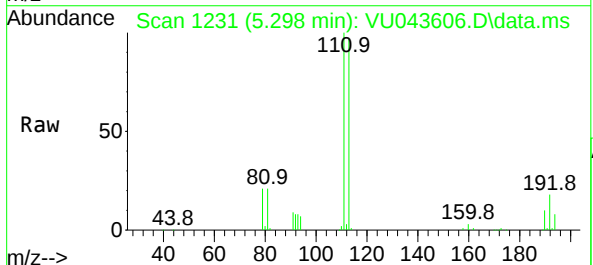
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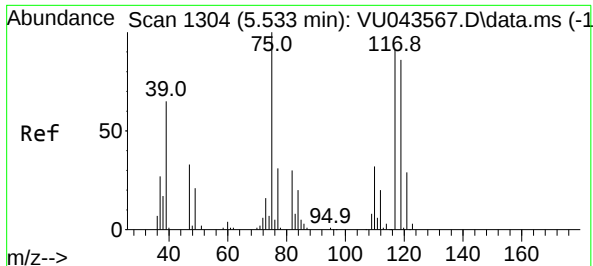
Tgt Ion:114 Resp: 213165
Ion Ratio Lower Upper
114 100
63 25.1 0.0 50.2
88 16.3 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.71 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion:113 Resp: 84515
Ion Ratio Lower Upper
113 100
111 102.6 82.3 123.5
192 19.0 15.8 23.6

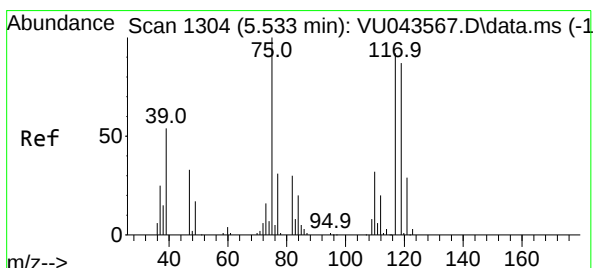
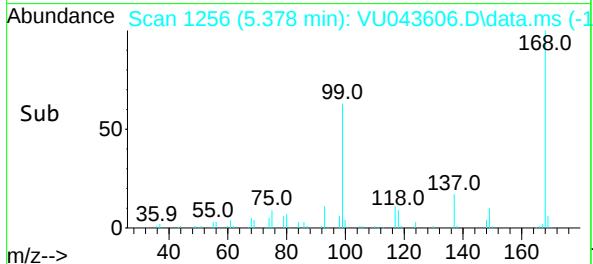
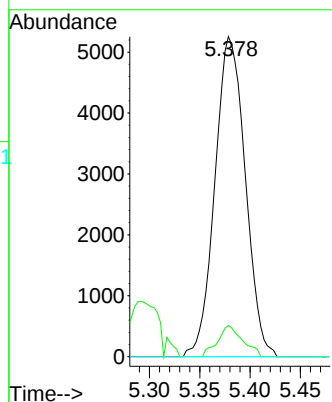
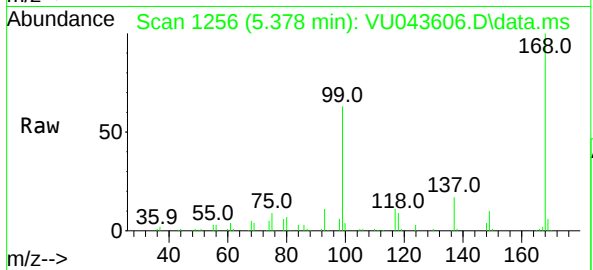




#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

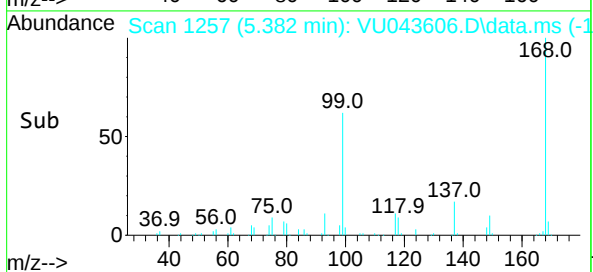
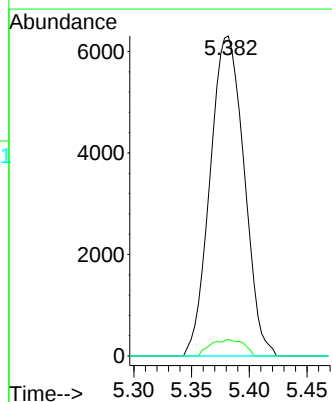
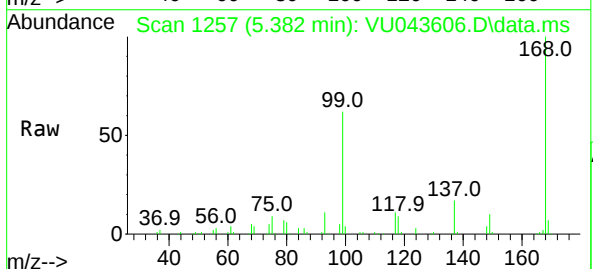
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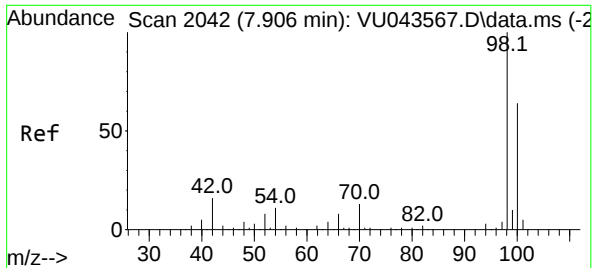
Tgt Ion: 75 Resp: 11029
Ion Ratio Lower Upper
75 100
110 8.0 16.2 48.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.26 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 117 Resp: 12899
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 25.2 37.8#

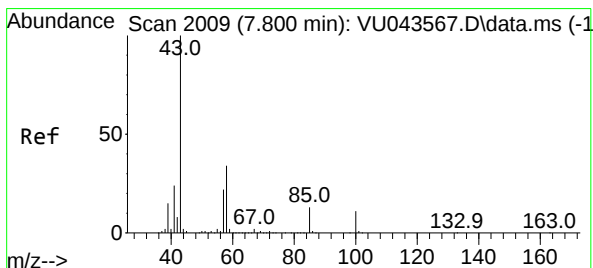
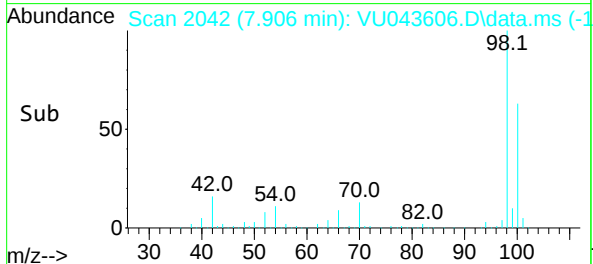
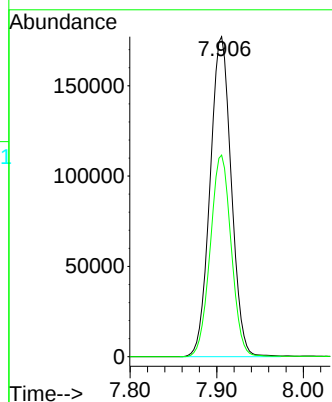
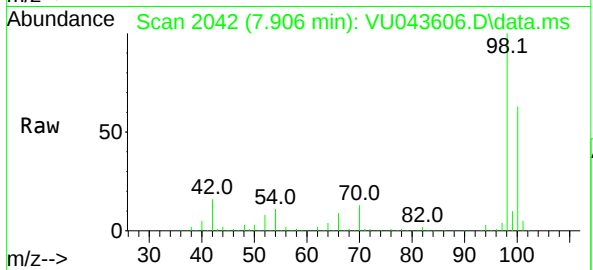




#50
Toluene-d8
Concen: 50.01 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

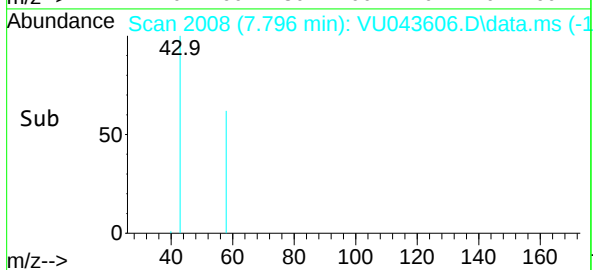
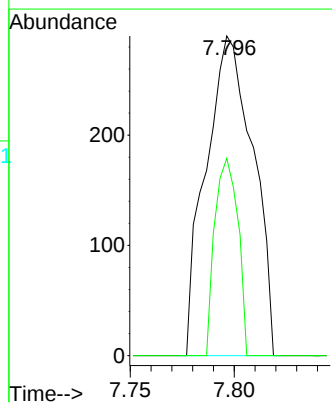
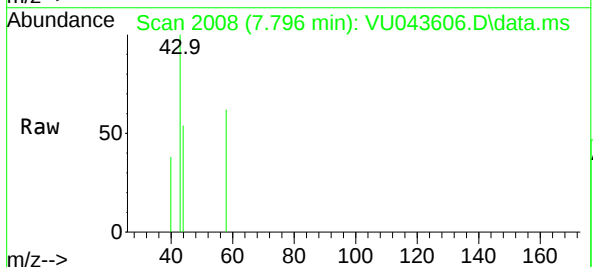
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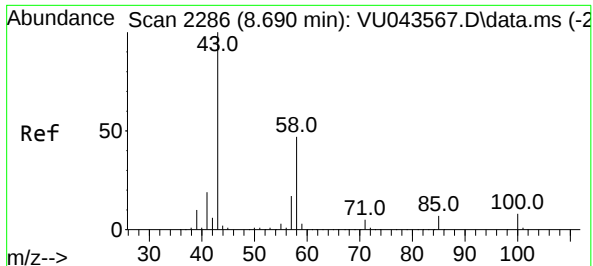
Tgt Ion: 98 Resp: 301467
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.27 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 30.3 27.2 40.8

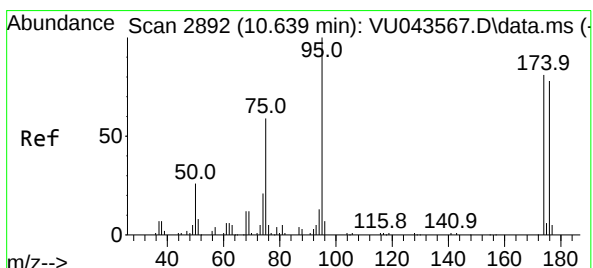
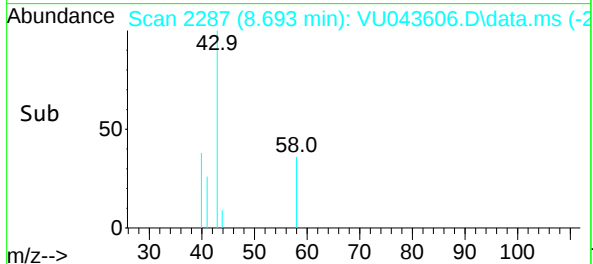
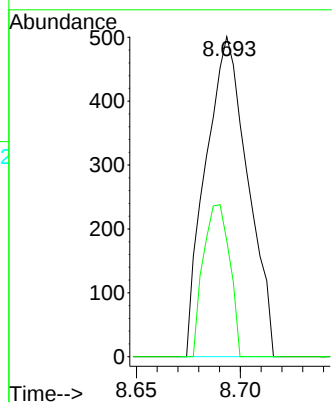
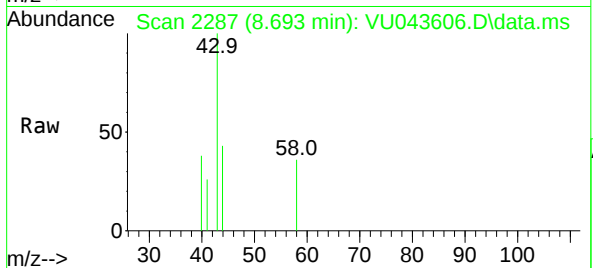




#59
2-Hexanone
Concen: 20.88 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

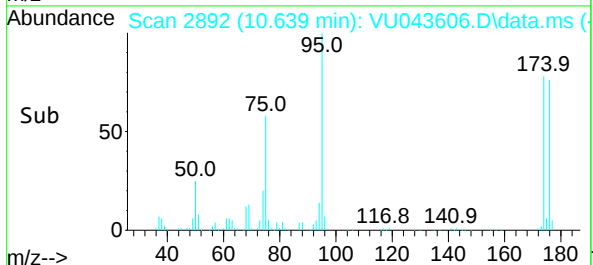
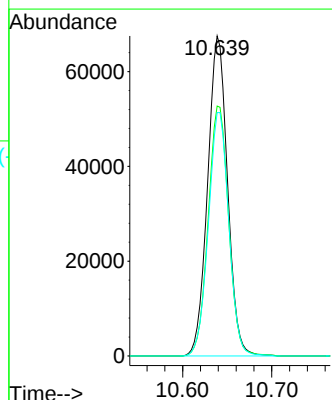
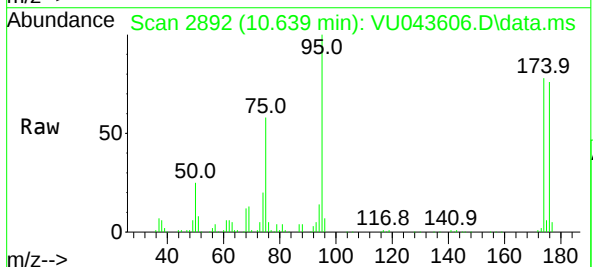
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

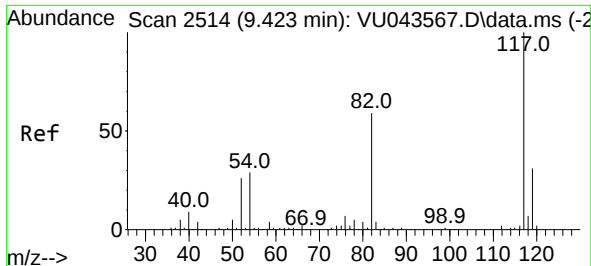
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 29.7 23.4 70.2



#62
4-Bromofluorobenzene
Concen: 45.69 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 95 Resp: 104769
Ion Ratio Lower Upper
95 100
174 80.2 0.0 158.8
176 77.9 0.0 155.6

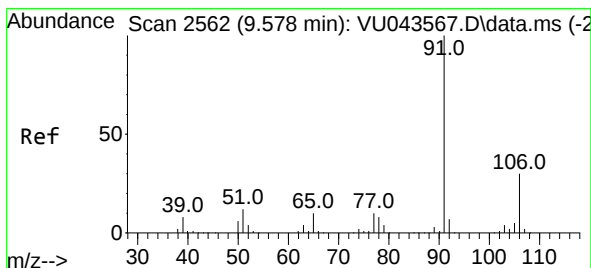
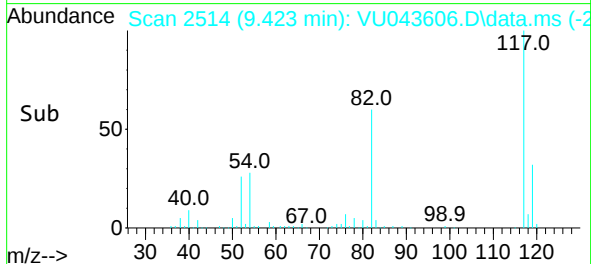
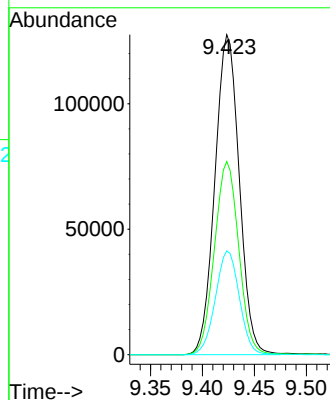
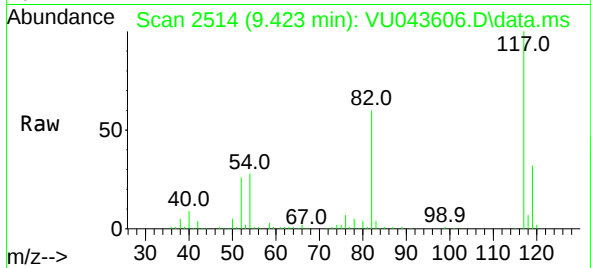




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

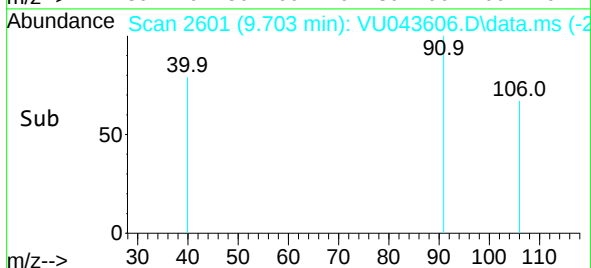
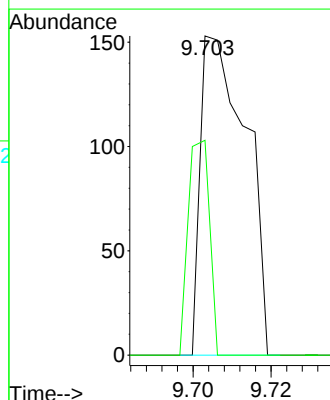
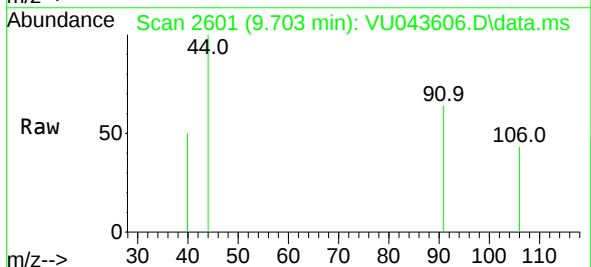
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

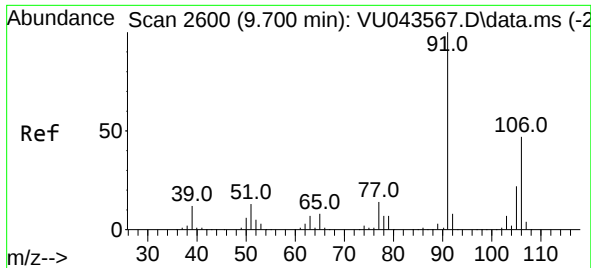
Tgt Ion:117 Resp: 208011
Ion Ratio Lower Upper
117 100
82 60.3 47.5 71.3
119 32.4 24.7 37.1



#67
Ethyl Benzene
Concen: 1.46 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.125 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 91 Resp: 124
Ion Ratio Lower Upper
91 100
106 67.3 24.0 36.0#

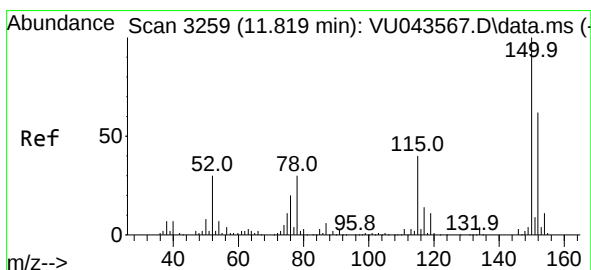
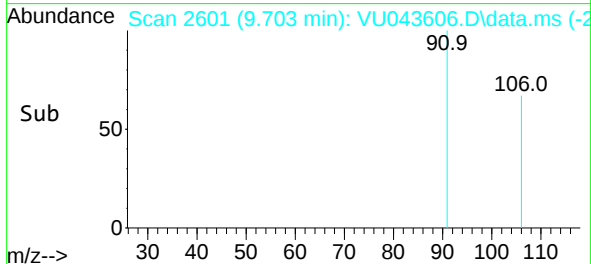
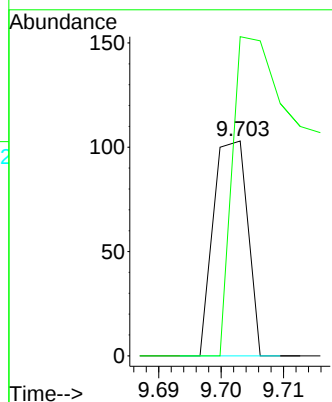
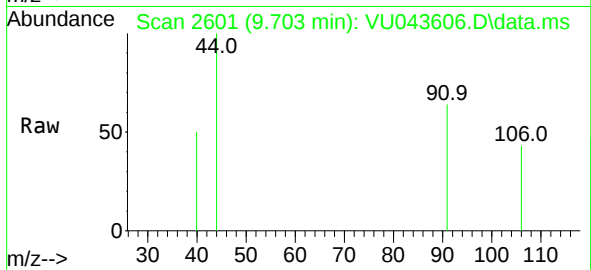




#68
m/p-Xylenes
Concen: 2.34 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

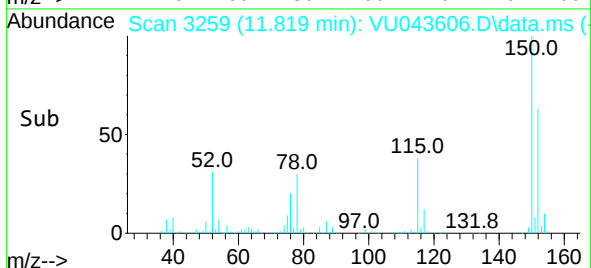
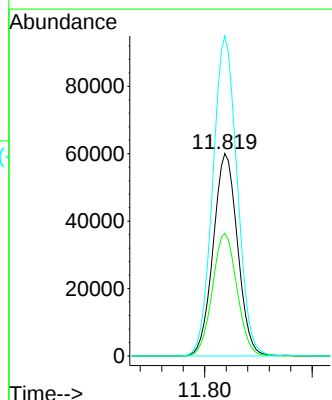
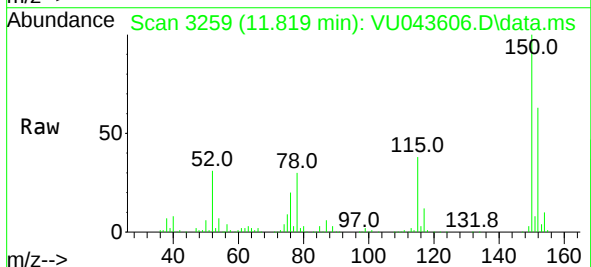
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

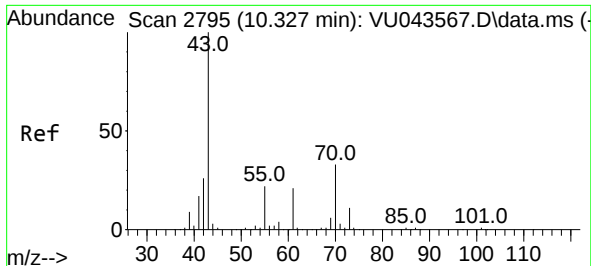
Tgt Ion:106 Resp: 39
Ion Ratio Lower Upper
106 100
91 317.9 171.7 257.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion:152 Resp: 94520
Ion Ratio Lower Upper
152 100
115 61.0 46.1 138.3
150 158.2 0.0 361.0

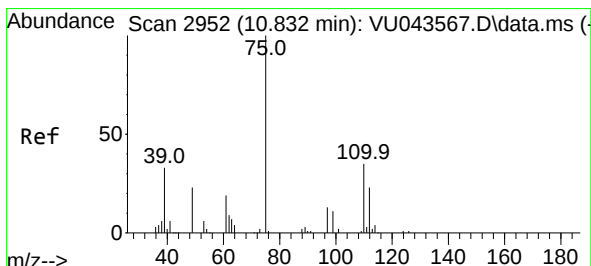
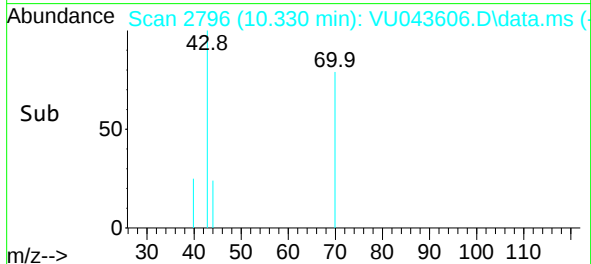
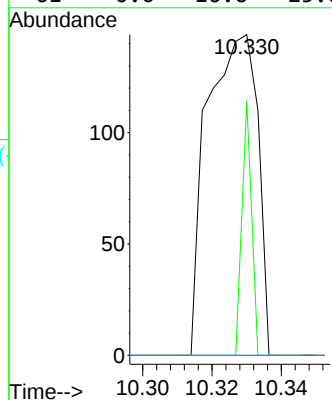
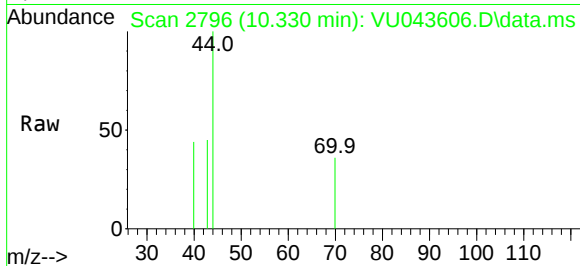




#74
N-amy1 acetate
Concen: 2.55 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

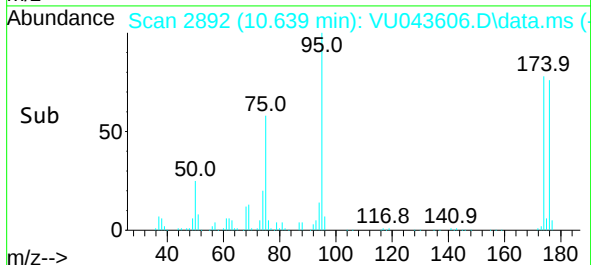
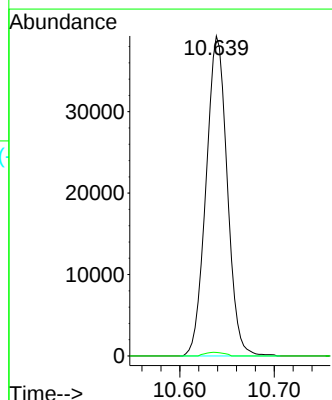
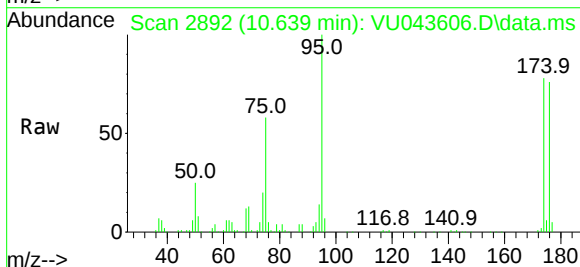
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

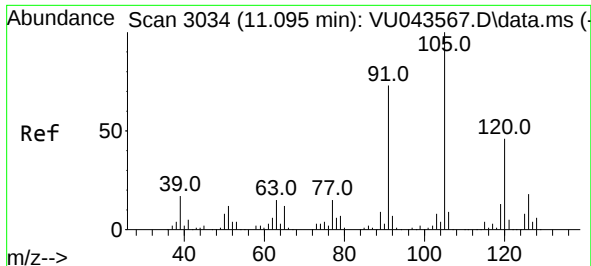
Tgt Ion: 43	Resp: 145
Ion Ratio	Lower Upper
43	100
70	15.2 26.4 39.6#
55	0.0 18.0 27.0#
61	0.0 16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 20.36 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 75	Resp: 61177
Ion Ratio	Lower Upper
75	100
77	1.0 17.1 51.3#

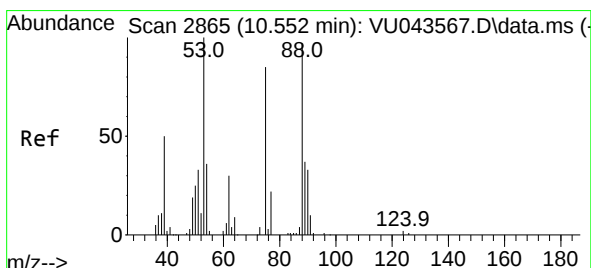
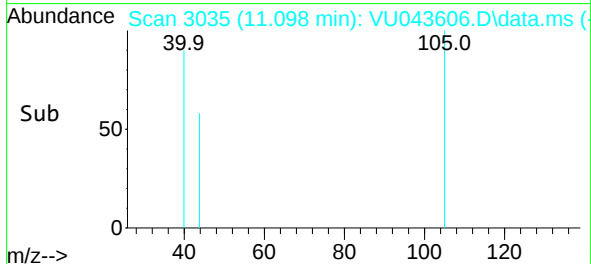
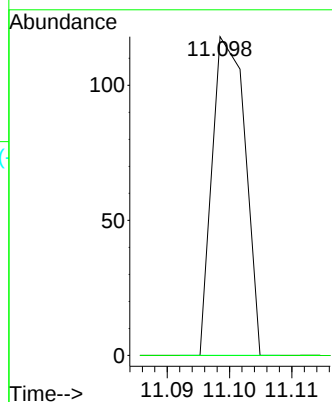
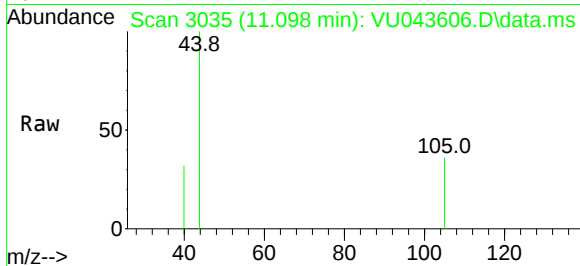




#80
1,3,5-Trimethylbenzene
Concen: 0.74 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

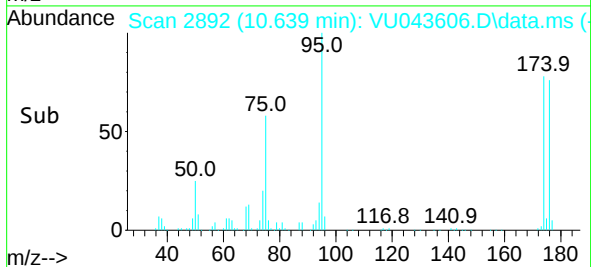
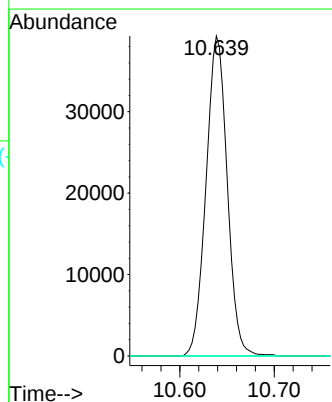
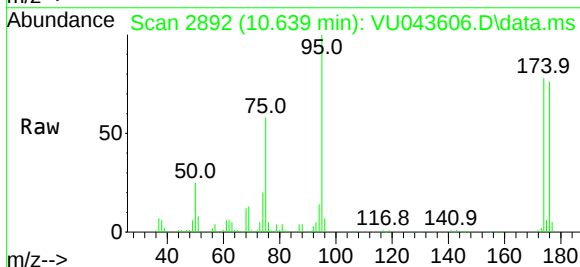
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

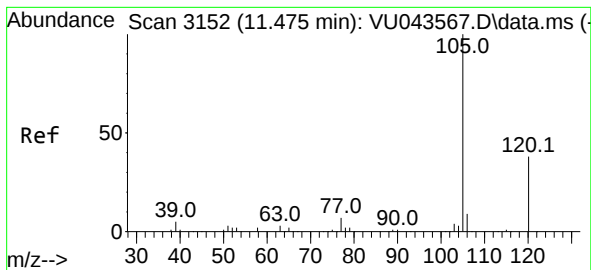
Tgt Ion:105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.29 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion: 75 Resp: 61177
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

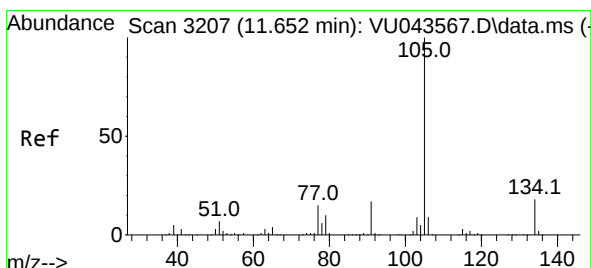
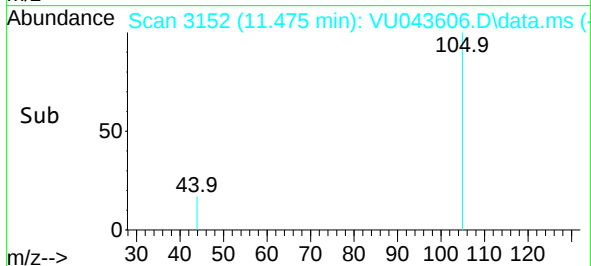
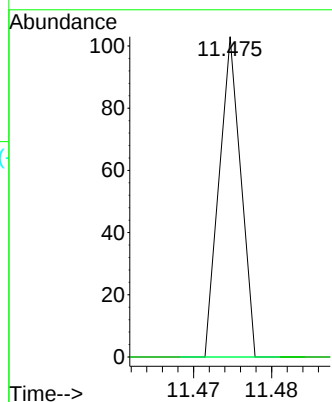
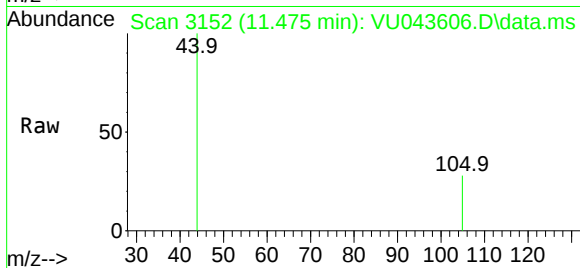




#84
1,2,4-Trimethylbenzene
Concen: 1.11 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

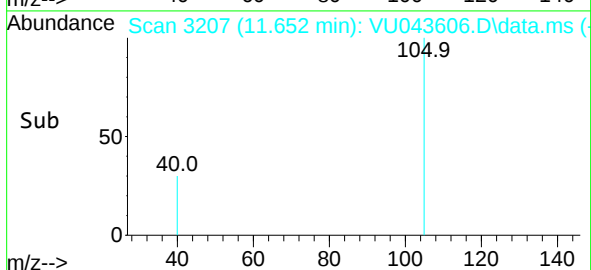
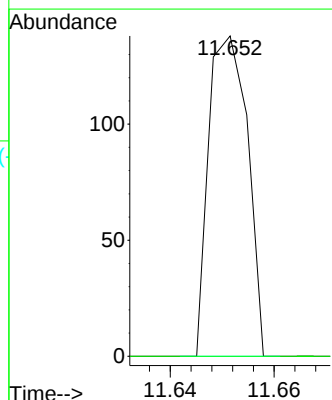
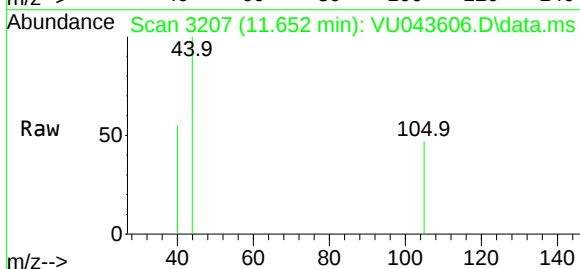
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

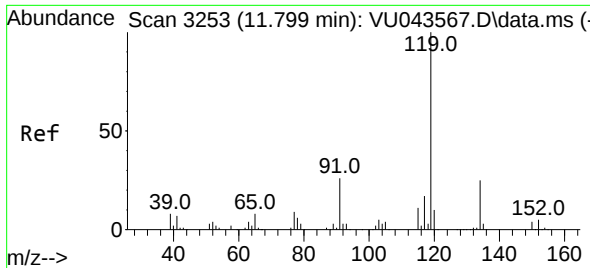
Tgt Ion:105 Resp: 20
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#



#85
sec-Butylbenzene
Concen: 1.34 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. -0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

Tgt Ion:105 Resp: 72
Ion Ratio Lower Upper
105 100
134 0.0 9.2 27.6#

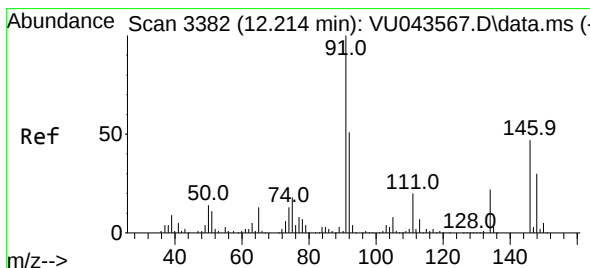
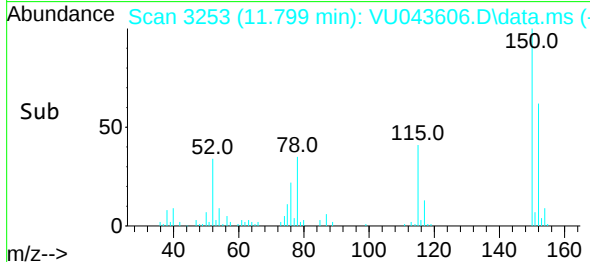
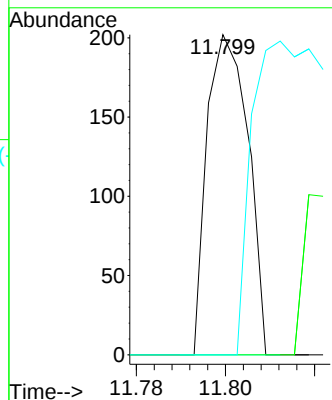
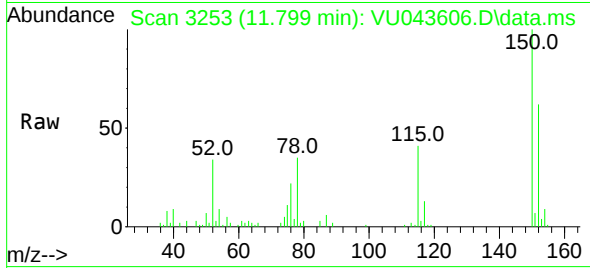




#86
p-Isopropyltoluene
Concen: 1.49 ug/l
RT: 11.799 min Scan# 3253
Delta R.T. 0.000 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

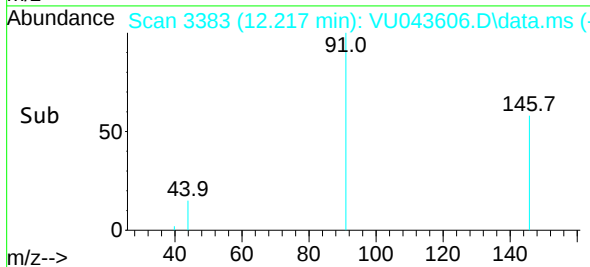
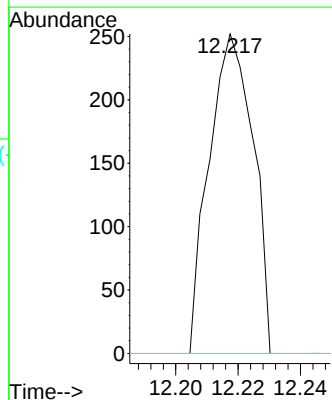
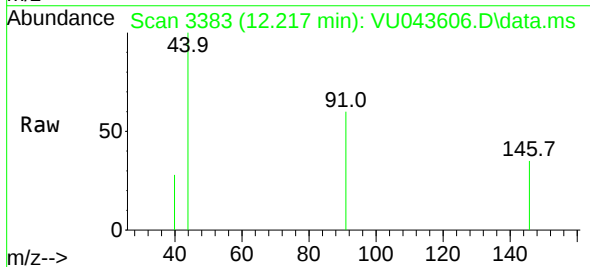
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW8-EB-20210506

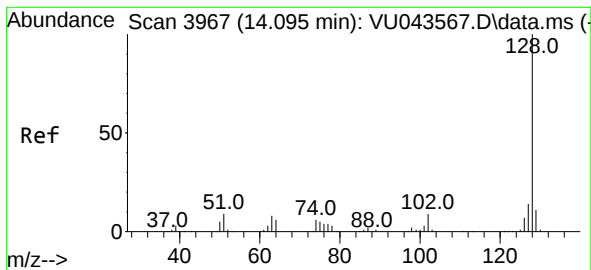
Tgt Ion:	119	Resp:	129
Ion	Ratio	Lower	Upper
119	100		
134	30.2	12.7	38.0
91	182.9	13.3	39.9#



#89
n-Butylbenzene
Concen: 2.57 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU043606.D
Acq: 07 May 2021 12:52

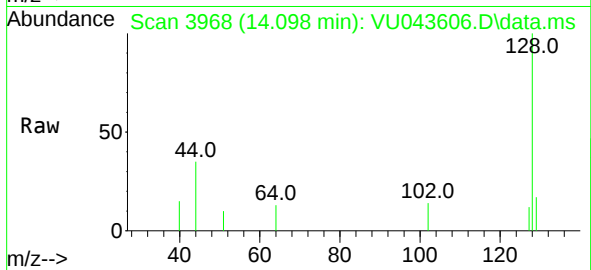
Tgt Ion:	91	Resp:	247
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.4	76.2#
134	0.0	11.3	33.9#





#95
 Naphthalene
 Concen: 1.75 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.003 min
 Lab File: VU043606.D
 Acq: 07 May 2021 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-EB-20210506



Tgt Ion:128 Resp: 1869
 Ion Ratio Lower Upper
 128 100
 127 5.0 10.7 16.1#
 129 8.3 8.6 12.8#

