

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043678.D
 Acq On : 12 May 2021 15:30
 Operator : SY/MD
 Sample : M2322-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:32:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

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

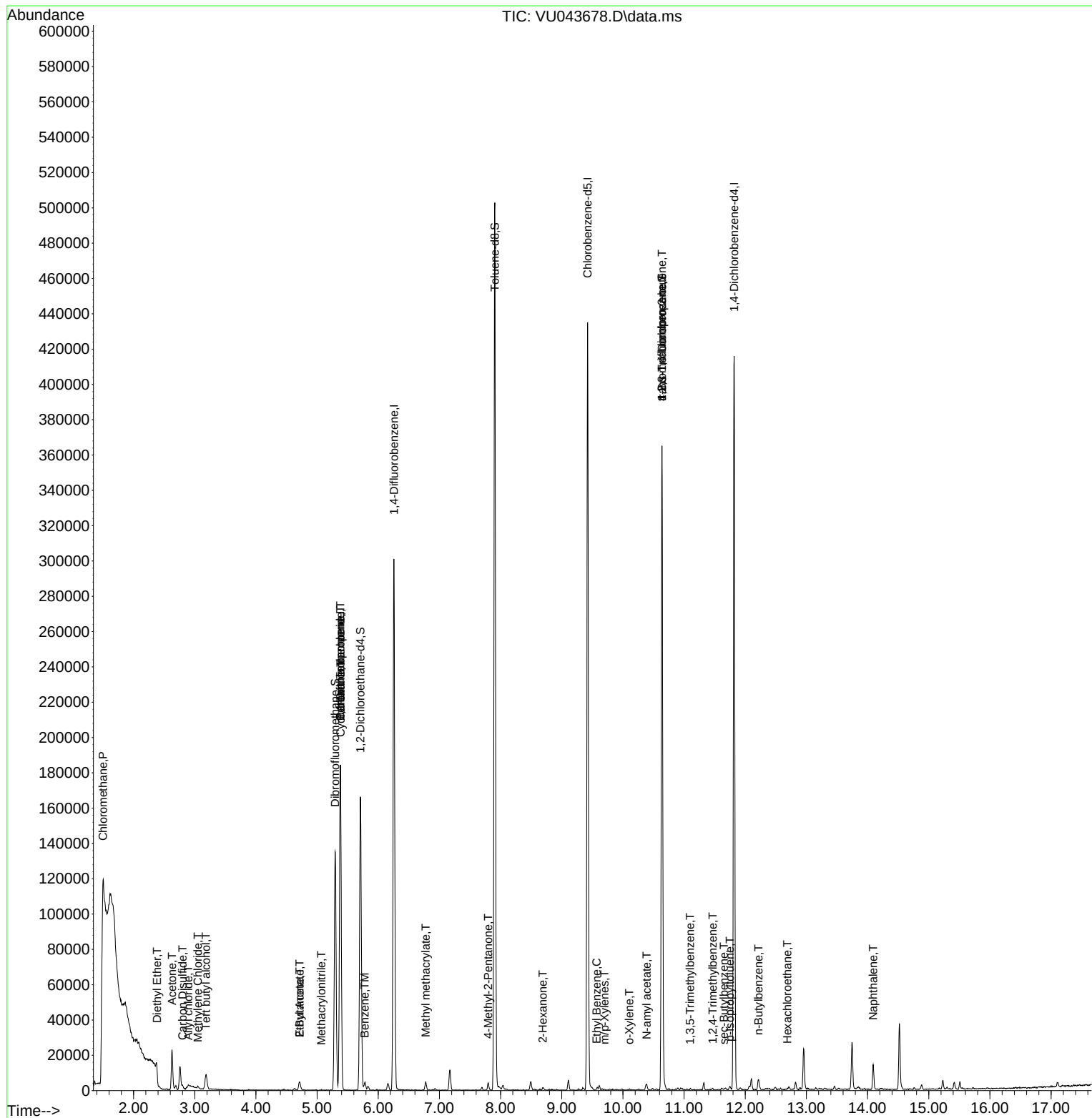
Internal Standards						
1) Pentafluorobenzene	5.382	168	117181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	211884	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	209972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	96541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	125270	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
35) Dibromofluoromethane	5.295	113	85037	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
50) Toluene-d8	7.906	98	302297	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	10.639	95	108046	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
Target Compounds						Qvalue
3) Chloromethane	1.498	50	4009	2.27	ug/l #	42
8) Diethyl Ether	2.382	74	1640	1.80	ug/l	93
11) Tert butyl alcohol	3.182	59	8145	12.80	ug/l	95
14) Allyl chloride	2.896	41	890	0.26	ug/l #	1
16) Acetone	2.629	43	25214	19.15	ug/l	100
17) Carbon Disulfide	2.800	76	2989	0.69	ug/l	97
20) Methylene Chloride	3.051	84	466	0.25	ug/l #	86
25) 2-Butanone	4.713	43	7982	3.93	ug/l	100
31) Cyclohexane	5.385	56	3338	1.18	ug/l #	12
36) 1,1-Dichloropropene	5.382	75	11134	4.63	ug/l #	51
37) Ethyl Acetate	4.713	43	7982	1.96	ug/l #	72
38) Carbon Tetrachloride	5.382	117	11883	4.87	ug/l #	18
40) Benzene	5.780	78	3502	0.49	ug/l	96
41) Methacrylonitrile	5.070	41	41	1.90	ug/l #	27
48) Methyl methacrylate	6.777	41	778	0.26	ug/l #	52
51) 4-Methyl-2-Pentanone	7.796	43	3144	19.78	ug/l	94
59) 2-Hexanone	8.690	43	1153	20.98	ug/l	74
67) Ethyl Benzene	9.571	91	221	1.47	ug/l #	45
68) m/p-Xylenes	9.700	106	165	2.38	ug/l #	72
69) o-Xylene	10.105	106	174	1.92	ug/l	96
74) N-amyl acetate	10.388	43	3239	3.12	ug/l #	64
76) 1,2,3-Trichloropropane	10.639	75	59854	19.50	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.099	105	101	0.75	ug/l #	31
81) trans-1,4-Dichloro-2-b...	10.639	75	59854	63.50	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.468	105	247	1.15	ug/l #	33
85) sec-Butylbenzene	11.652	105	140	1.35	ug/l #	59
86) p-Isopropyltoluene	11.748	119	452	1.54	ug/l	84
89) n-Butylbenzene	12.214	91	68	2.54	ug/l #	35
90) Hexachloroethane	12.687	117	518	0.54	ug/l #	11
95) Naphthalene	14.092	128	10737	2.79	ug/l	98

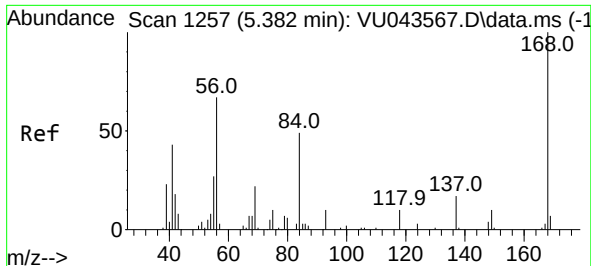
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
Data File : VU043678.D
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Quant Time: May 13 01:32:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 2021
Response via : Initial Calibration

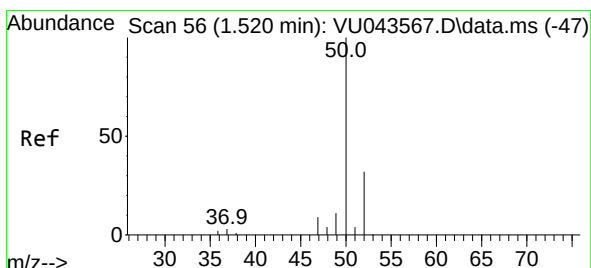
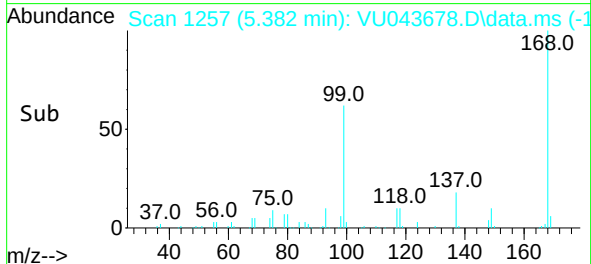
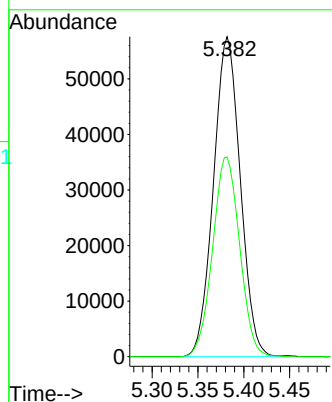
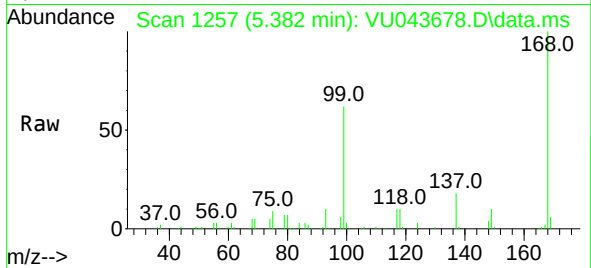




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

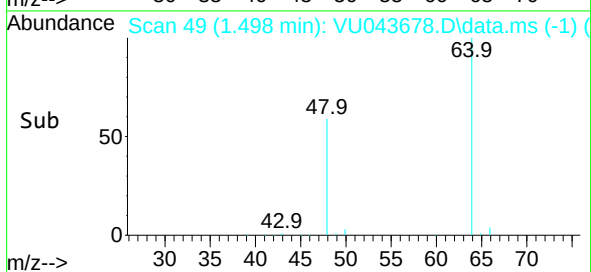
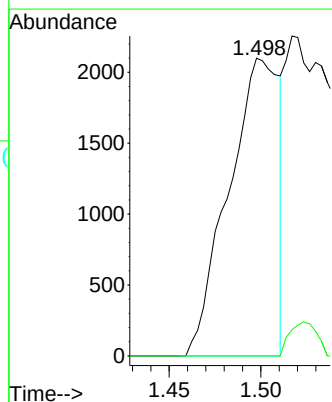
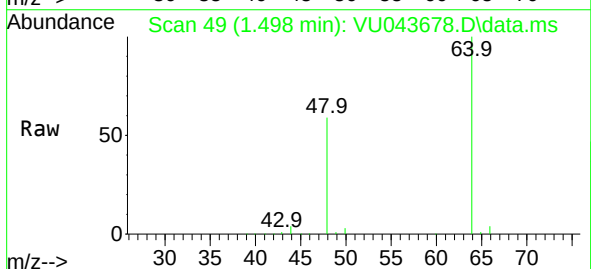
Instrument :
MSVOA_U
ClientSampleId :

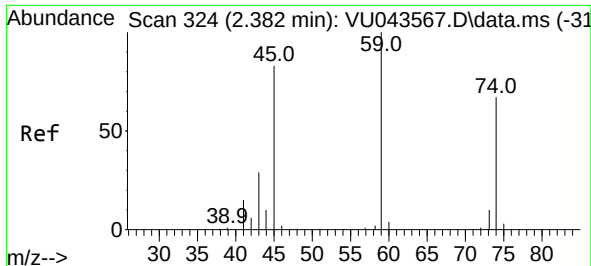
Tgt Ion:168 Resp: 117181
Ion Ratio Lower Upper
168 100
99 62.4 49.0 73.6



#3
Chloromethane
Concen: 2.27 ug/l
RT: 1.498 min Scan# 49
Delta R.T. -0.022 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

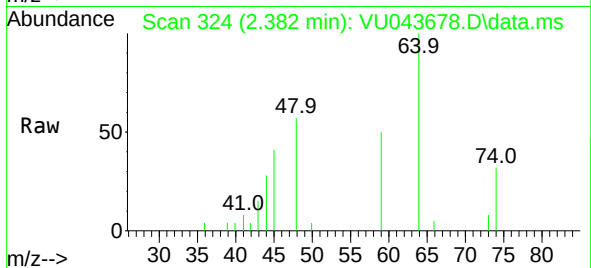
Tgt Ion: 50 Resp: 4009
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#



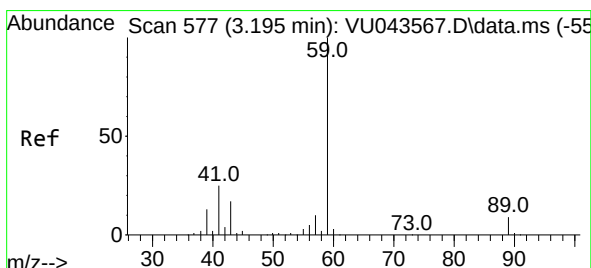
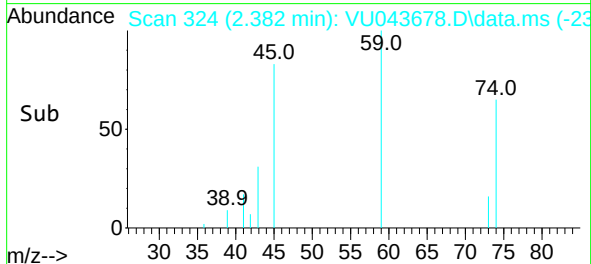
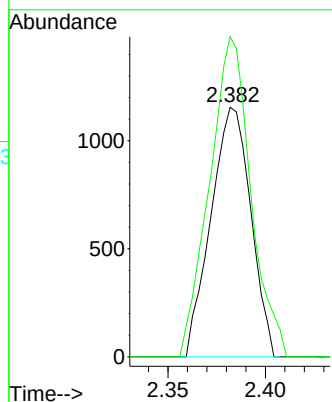


#8
Diethyl Ether
Concen: 1.80 ug/l
RT: 2.382 min Scan# 324
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Instrument :
MSVOA_U
ClientSampled :

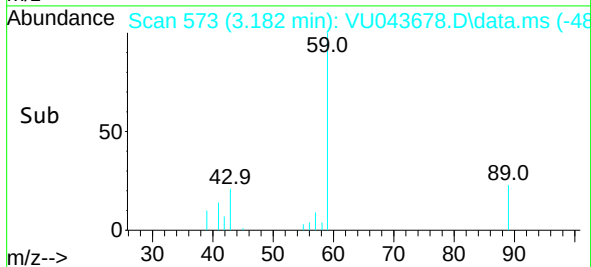
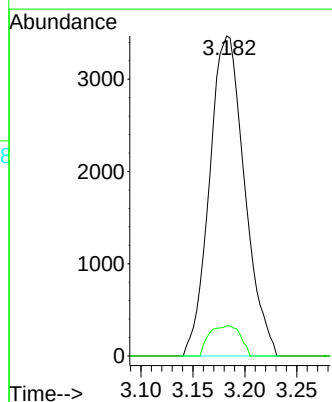
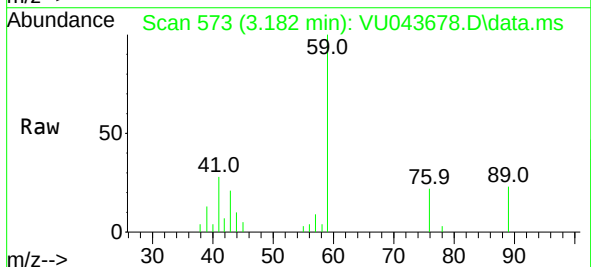


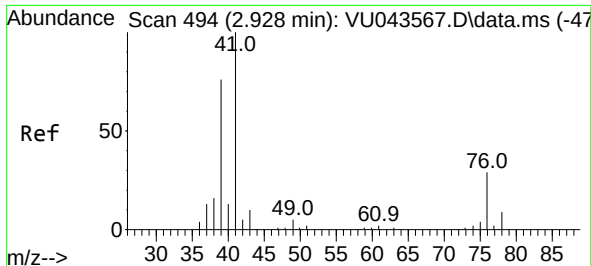
Tgt Ion: 74 Resp: 1640
Ion Ratio Lower Upper
74 100
45 133.0 62.6 187.8



#11
Tert butyl alcohol
Concen: 12.80 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.013 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

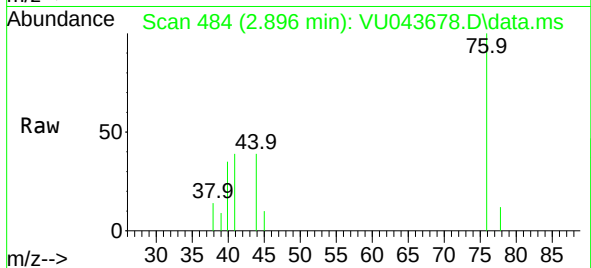
Tgt Ion: 59 Resp: 8145
Ion Ratio Lower Upper
59 100
57 8.3 8.0 12.0



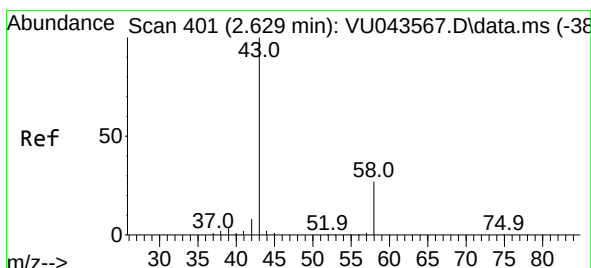
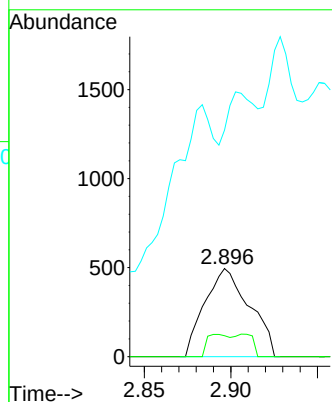
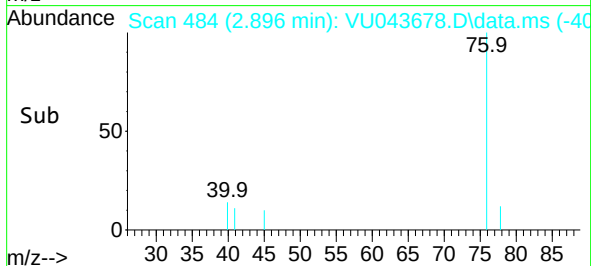


#14
Allyl chloride
Concen: 0.26 ug/l
RT: 2.896 min Scan# 484
Delta R.T. -0.032 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

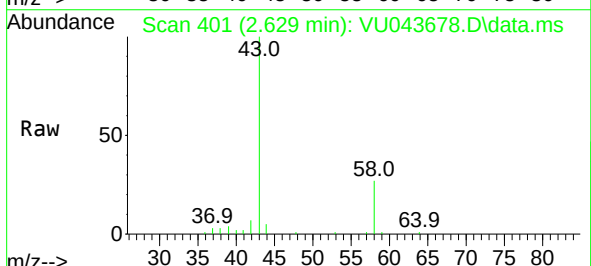
Instrument :
MSVOA_U
ClientSampleId :



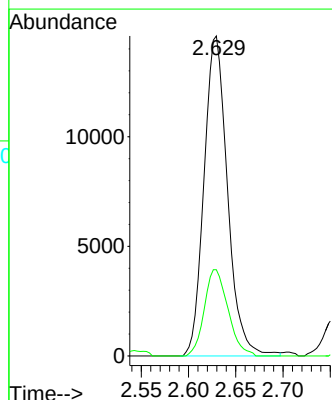
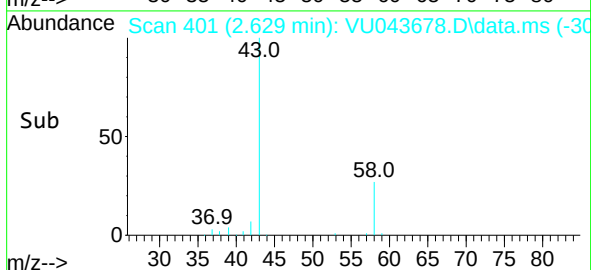
Tgt Ion: 41	Resp: 890
Ion Ratio	Lower Upper
41	100
39	12.8 54.5 81.7#
76	232.4 19.9 29.9#

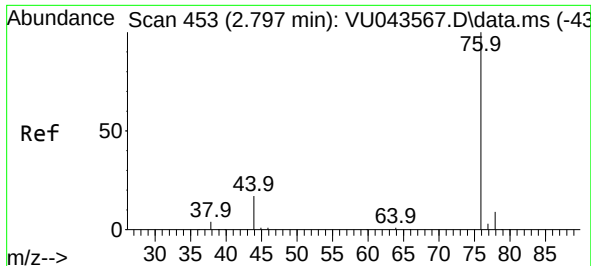


#16
Acetone
Concen: 19.15 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30



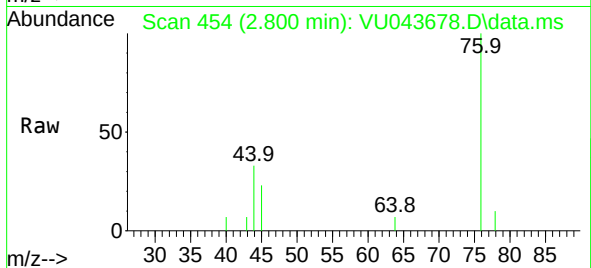
Tgt Ion: 43	Resp: 25214
Ion Ratio	Lower Upper
43	100
58	26.9 21.7 32.5



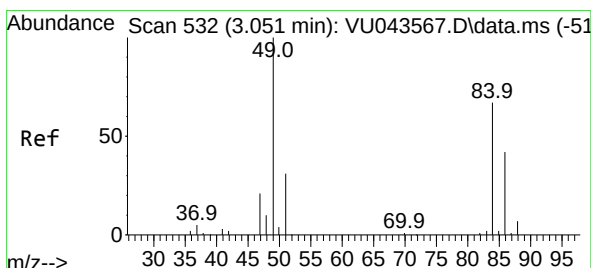
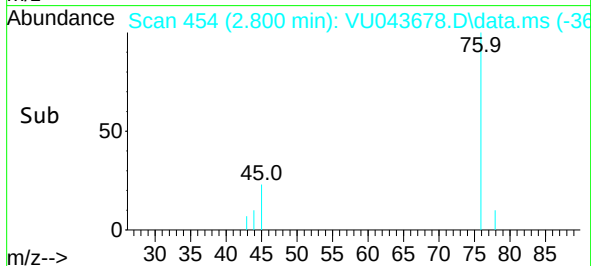
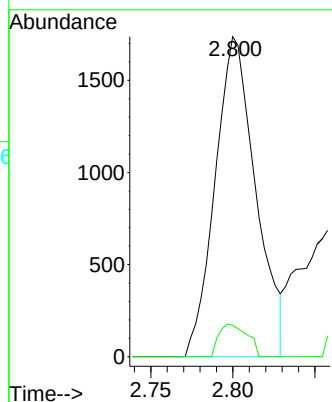


#17
Carbon Disulfide
Concen: 0.69 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Instrument :
MSVOA_U
ClientSampleId :

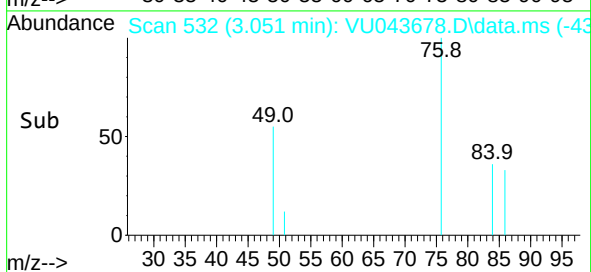
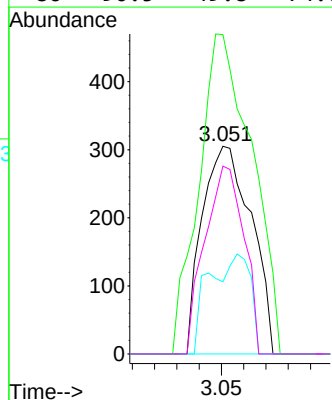
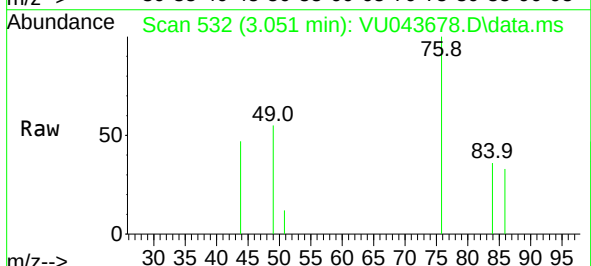


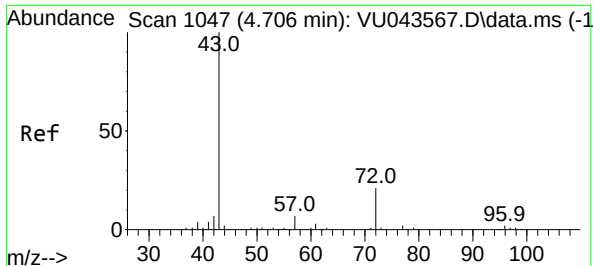
Tgt Ion: 76 Resp: 2989
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 84 Resp: 466
Ion Ratio Lower Upper
84 100
49 153.8 119.0 178.4
51 34.8 36.8 55.2#
86 90.5 49.8 74.6#

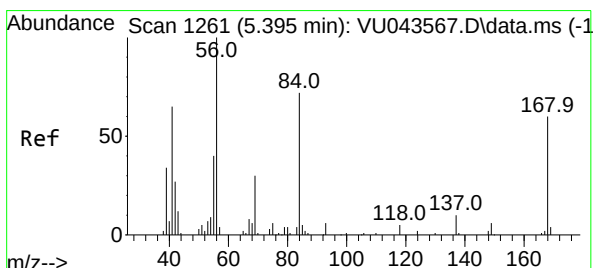
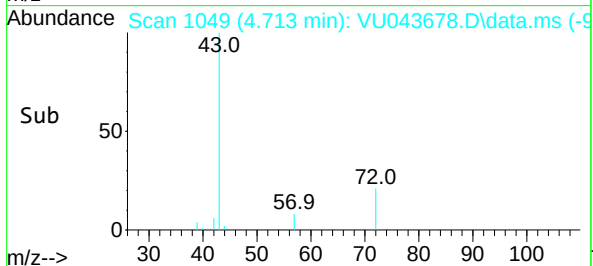
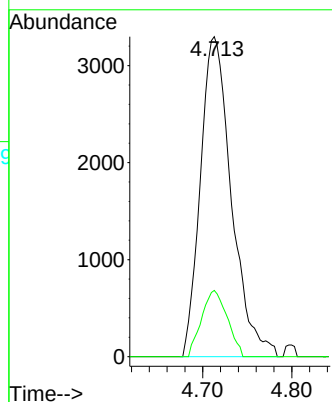
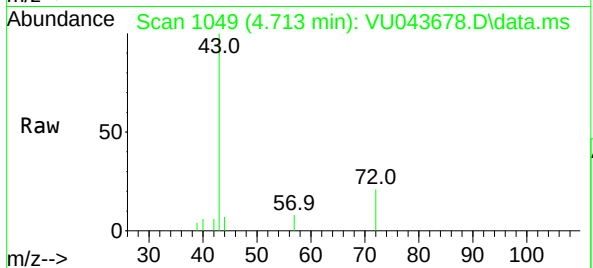




#25
2-Butanone
Concen: 3.93 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

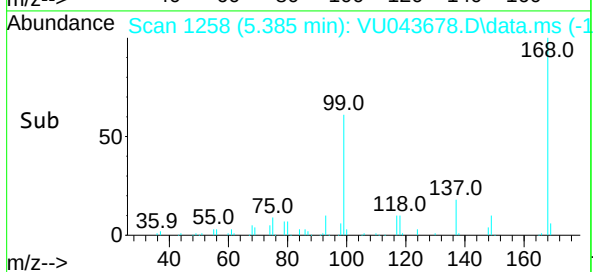
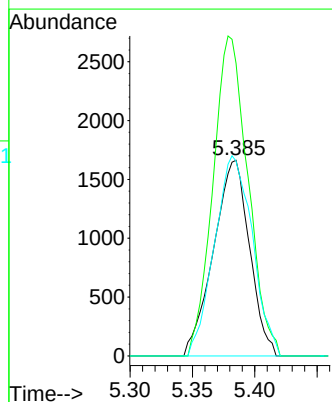
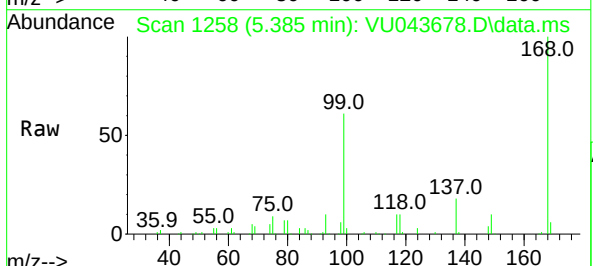
Instrument :
MSVOA_U
ClientSampled :

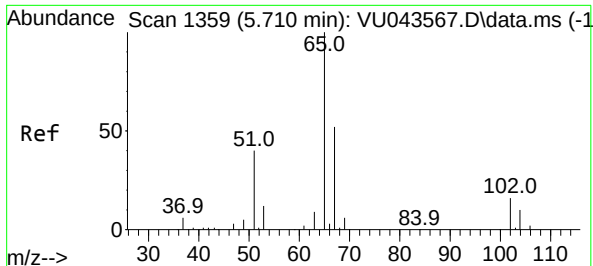
Tgt Ion: 43 Resp: 7982
Ion Ratio Lower Upper
43 100
72 20.7 16.5 24.7



#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.010 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 56 Resp: 3338
Ion Ratio Lower Upper
56 100
69 149.5 23.9 35.9#
84 99.6 57.7 86.5#

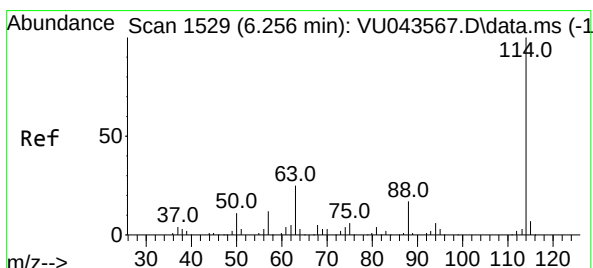
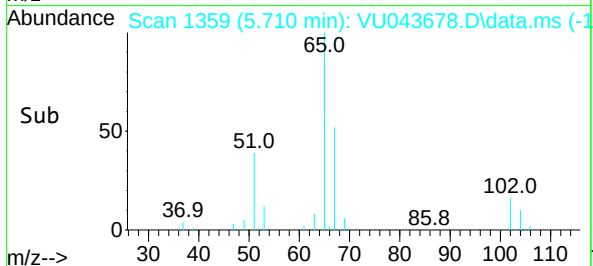
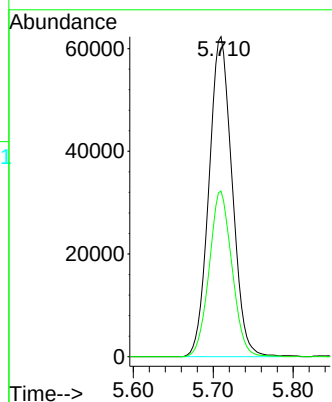
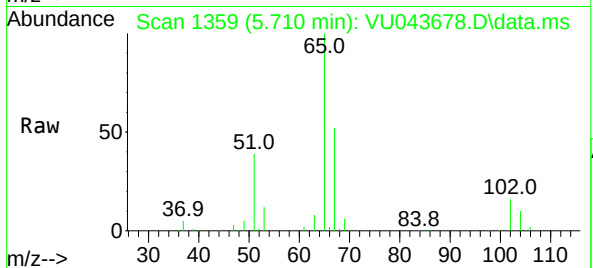




#33
 1,2-Dichloroethane-d4
 Concen: 51.68 ug/l
 RT: 5.710 min Scan# 1359
 Delta R.T. -0.000 min
 Lab File: VU043678.D
 Acq: 12 May 2021 15:30

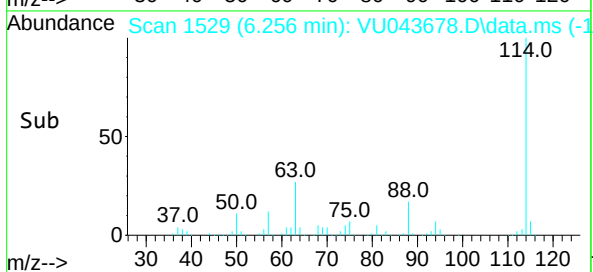
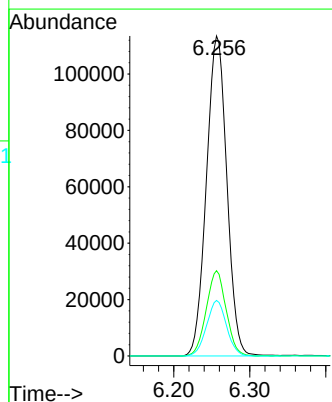
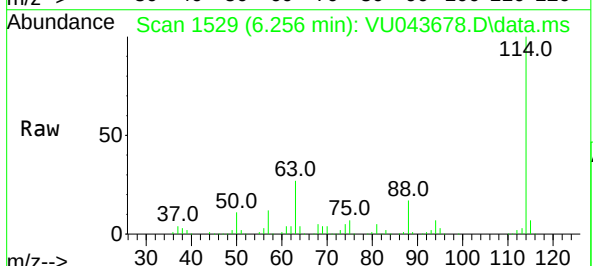
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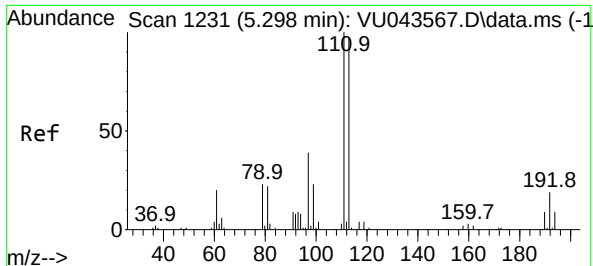
Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.256 min Scan# 1529
 Delta R.T. 0.000 min
 Lab File: VU043678.D
 Acq: 12 May 2021 15:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	50.2
88	17.4	0.0	33.8

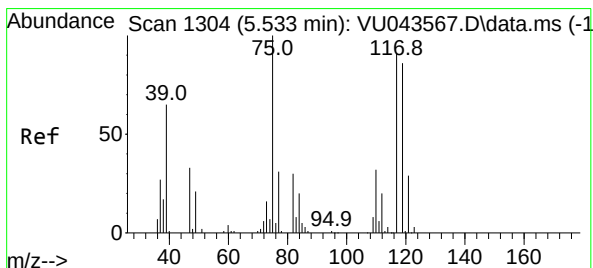
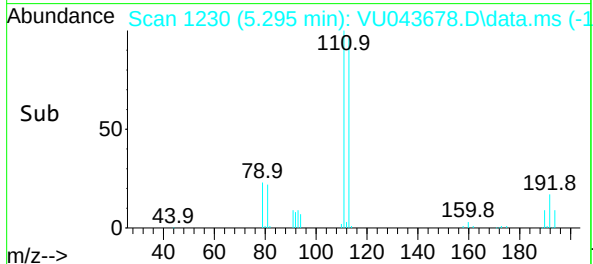
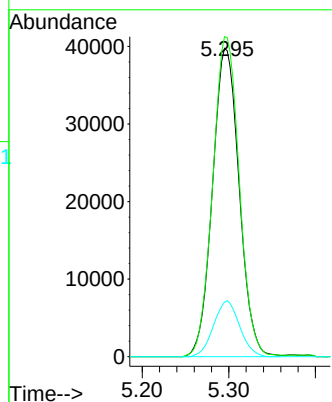
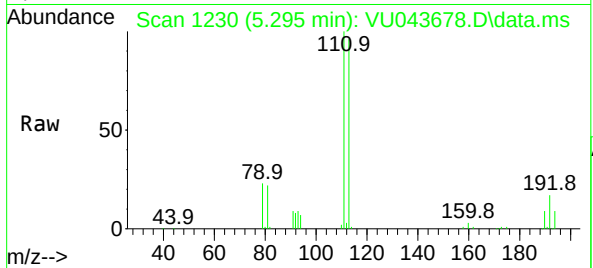




#35
Dibromofluoromethane
Concen: 48.63 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.003 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

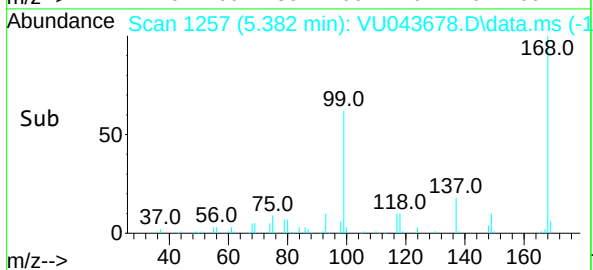
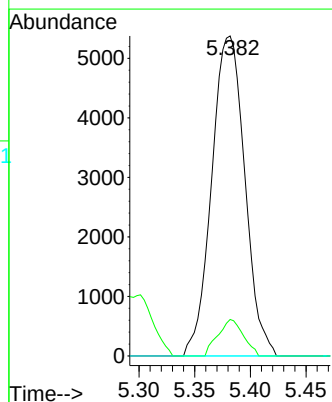
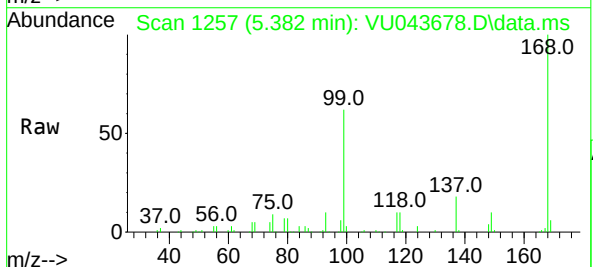
Instrument :
MSVOA_U
ClientSampleId :

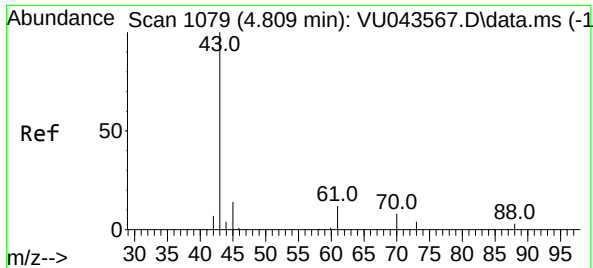
Tgt Ion:113 Resp: 85037
Ion Ratio Lower Upper
113 100
111 103.4 82.3 123.5
192 17.7 15.8 23.6



#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 75 Resp: 11134
Ion Ratio Lower Upper
75 100
110 8.7 16.2 48.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.96 ug/l

RT: 4.713 min Scan# 1049

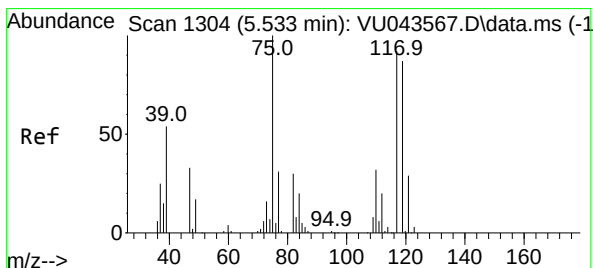
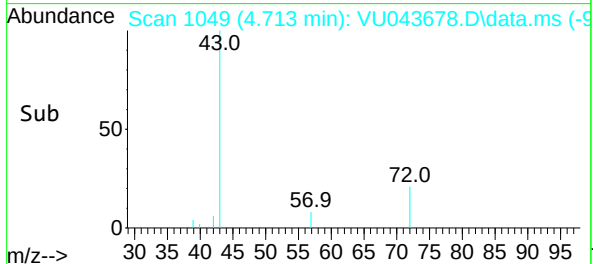
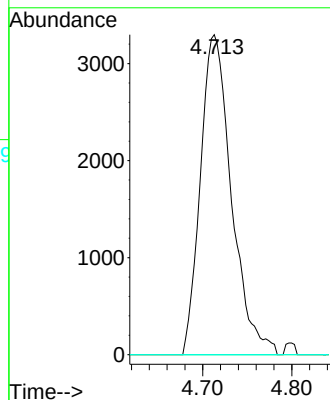
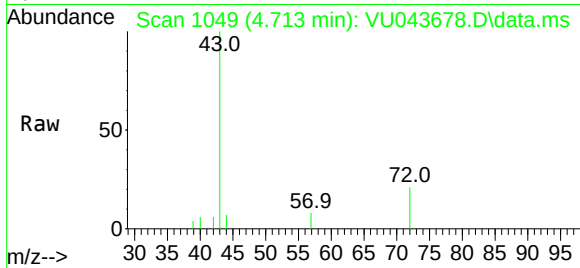
Delta R.T. -0.096 min

Lab File: VU043678.D

Acq: 12 May 2021 15:30

Tgt Ion:	43	Resp:	7982
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.5	9.7#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 4.87 ug/l

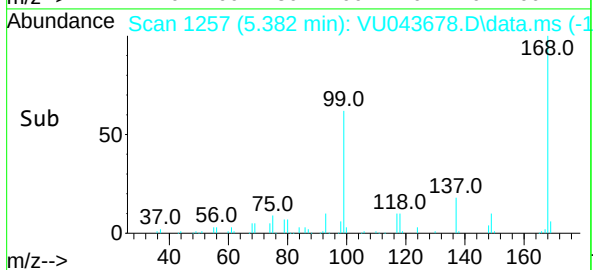
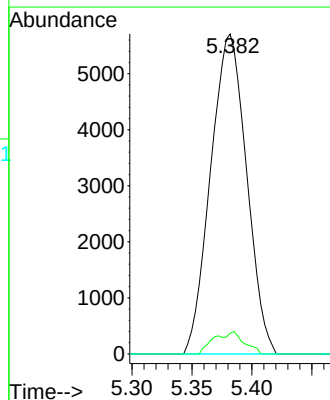
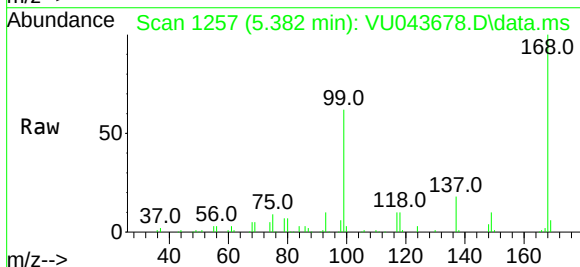
RT: 5.382 min Scan# 1257

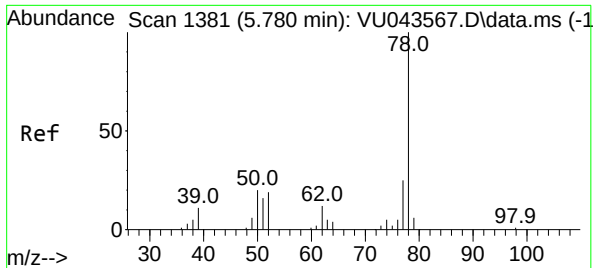
Delta R.T. -0.151 min

Lab File: VU043678.D

Acq: 12 May 2021 15:30

Tgt Ion:	117	Resp:	11883
Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.4	113.0#
121	0.0	25.2	37.8#

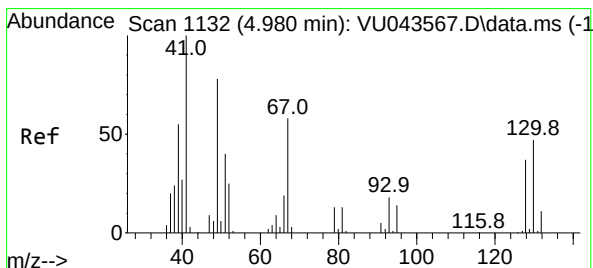
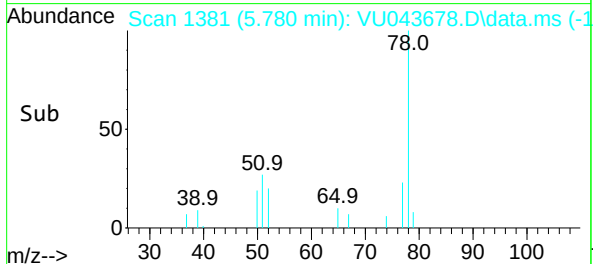
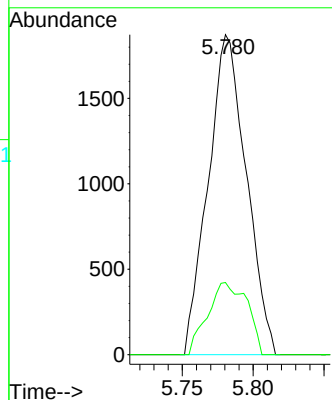
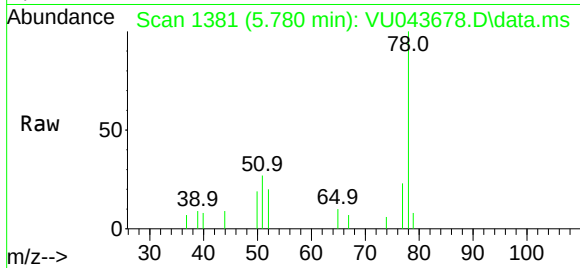




#40
Benzene
Concen: 0.49 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

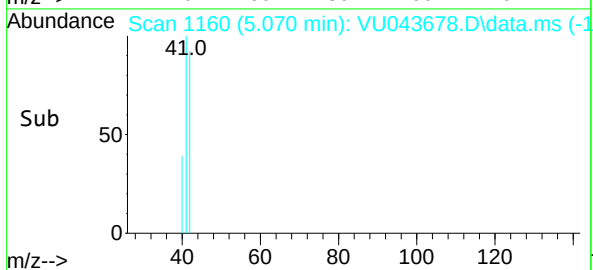
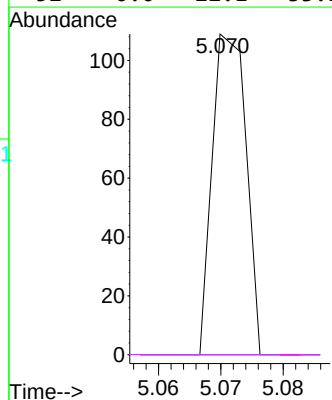
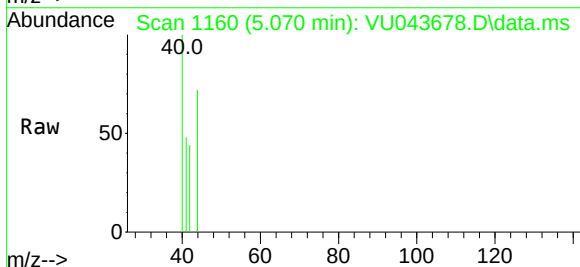
Instrument :
MSVOA_U
ClientSampled :

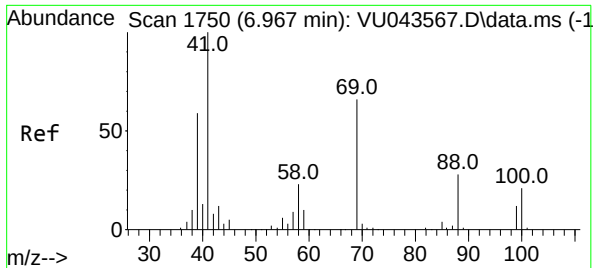
Tgt Ion: 78 Resp: 3502
Ion Ratio Lower Upper
78 100
77 22.6 19.7 29.5



#41
Methacrylonitrile
Concen: 1.90 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.090 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 41 Resp: 41
Ion Ratio Lower Upper
41 100
39 0.0 45.8 68.6#
67 0.0 46.5 69.7#
52 0.0 22.1 33.1#

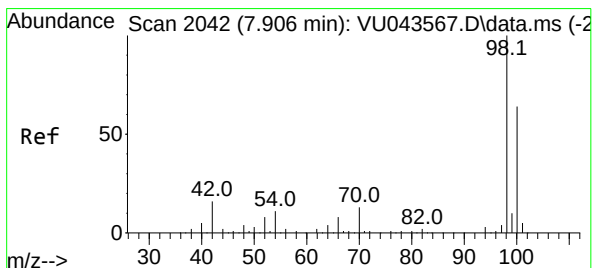
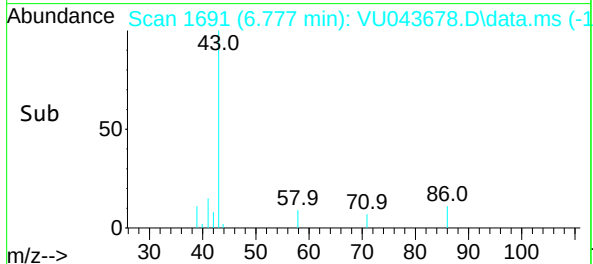
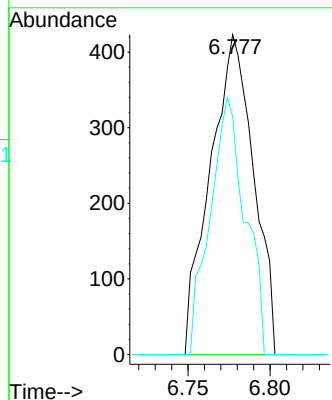
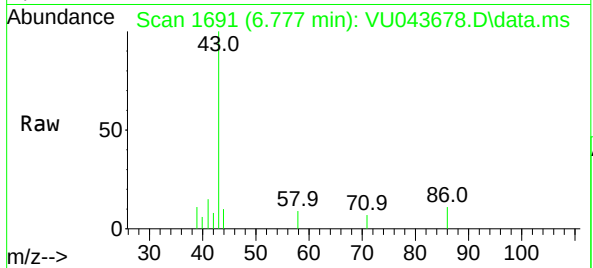




#48
Methyl methacrylate
Concen: 0.26 ug/l
RT: 6.777 min Scan# 1691
Delta R.T. -0.190 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

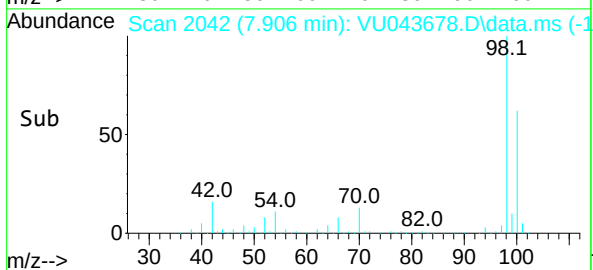
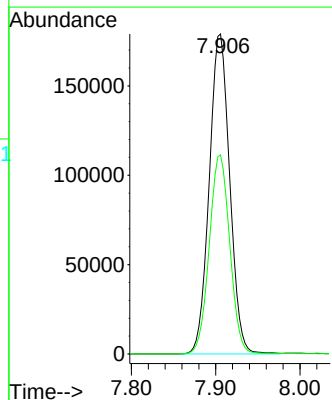
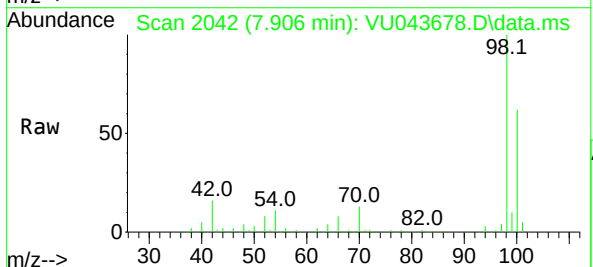
Instrument :
MSVOA_U
ClientSampled :

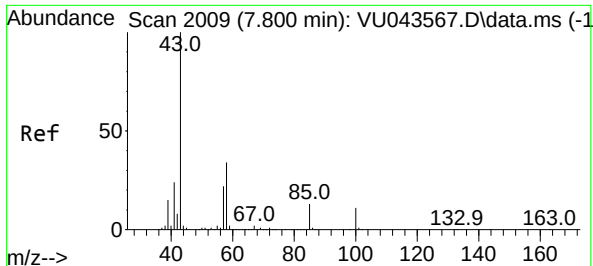
Tgt Ion: 41 Resp: 778
Ion Ratio Lower Upper
41 100
69 0.0 52.8 79.2#
39 65.2 47.0 70.6



#50
Toluene-d8
Concen: 51.37 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 98 Resp: 302297
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7

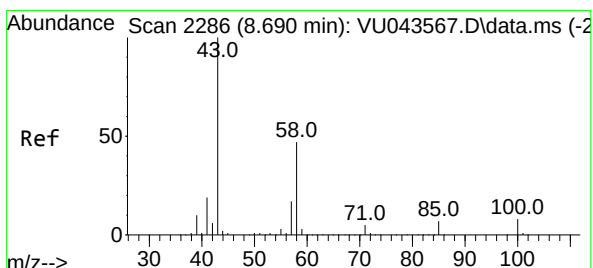
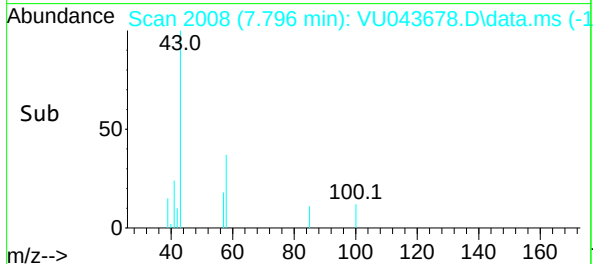
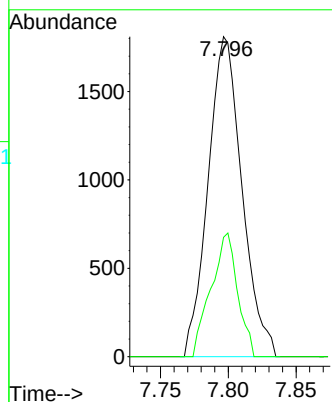
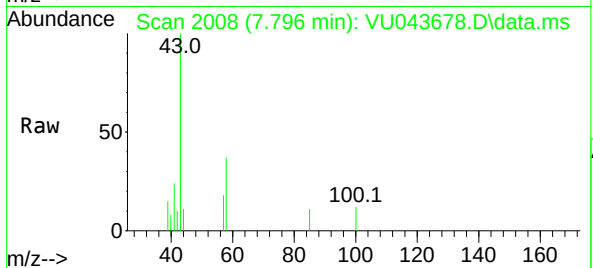




#51
4-Methyl-2-Pentanone
Concen: 19.78 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

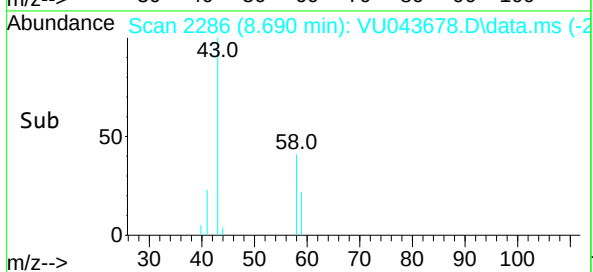
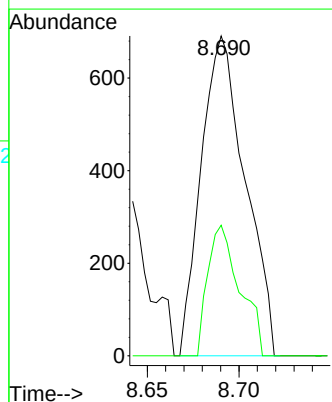
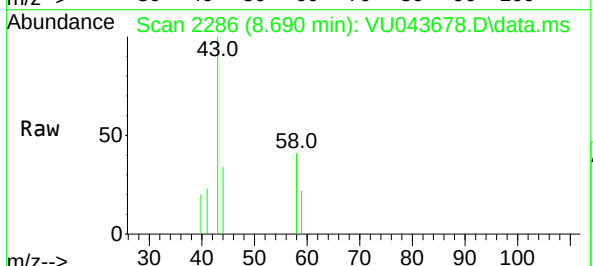
Instrument :
MSVOA_U
ClientSampleId :

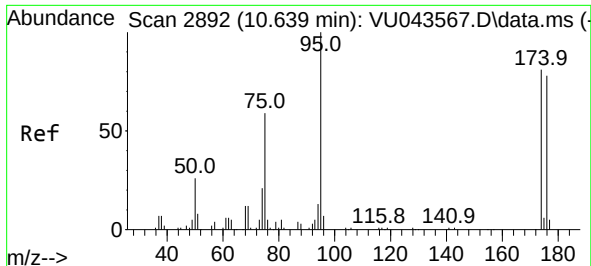
Tgt Ion: 43 Resp: 3144
Ion Ratio Lower Upper
43 100
58 30.3 27.2 40.8



#59
2-Hexanone
Concen: 20.98 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 29.7 23.4 70.2

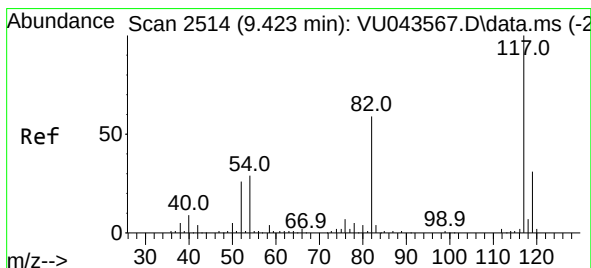
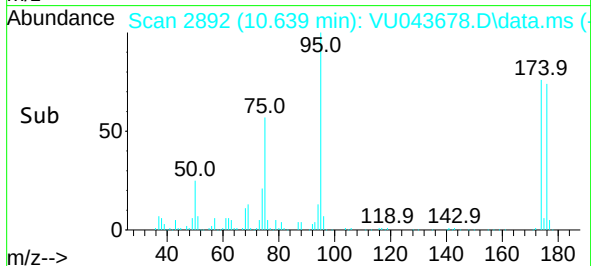
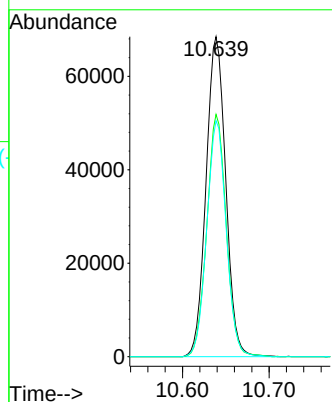
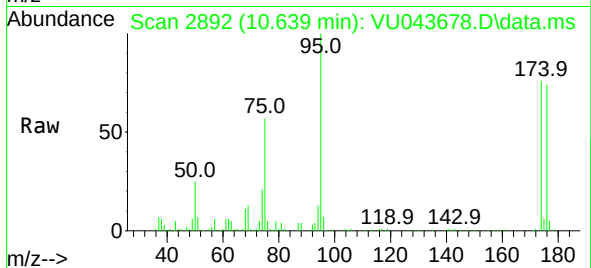




#62
4-Bromofluorobenzene
Concen: 47.12 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

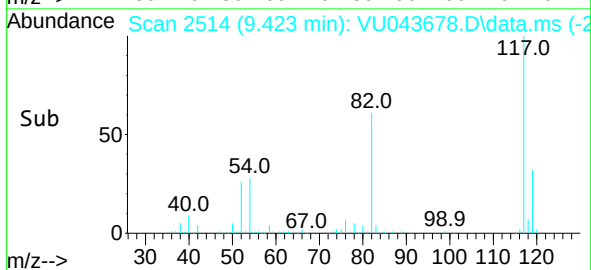
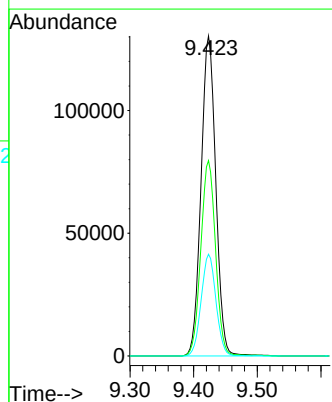
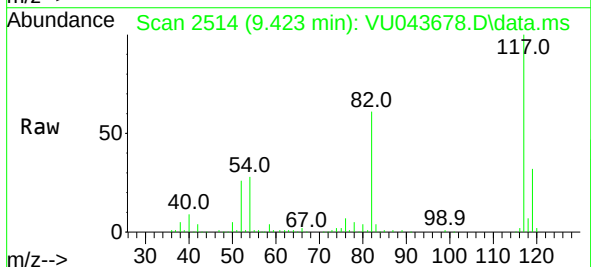
Instrument :
MSVOA_U
ClientSampleId :

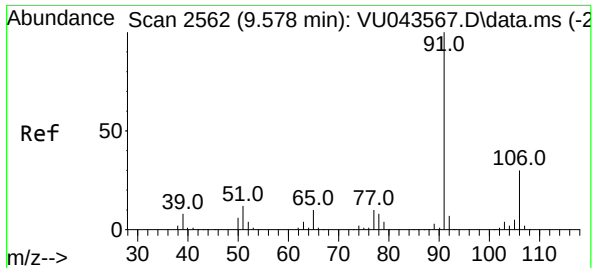
Tgt Ion: 95 Resp: 108046
Ion Ratio Lower Upper
95 100
174 74.8 0.0 158.8
176 72.8 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 117 Resp: 209972
Ion Ratio Lower Upper
117 100
82 61.0 47.5 71.3
119 31.8 24.7 37.1





#67

Ethyl Benzene

Concen: 1.47 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. -0.007 min

Lab File: VU043678.D

Acq: 12 May 2021 15:30

Tgt Ion: 91 Resp: 221

Ion Ratio Lower Upper

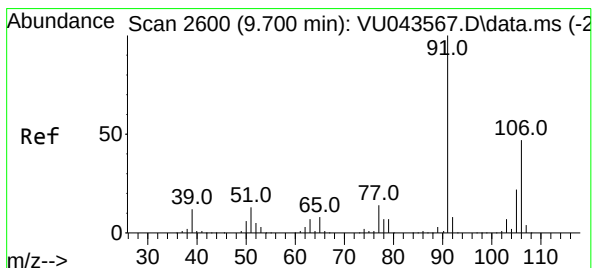
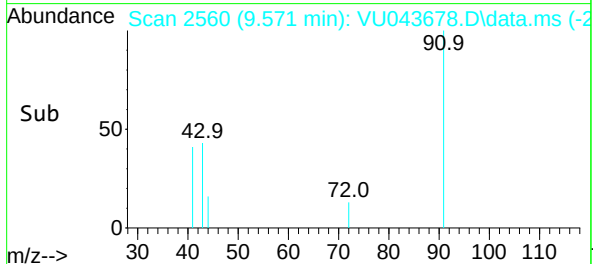
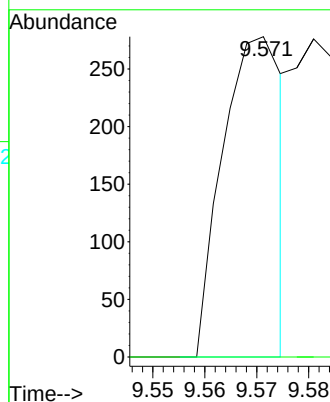
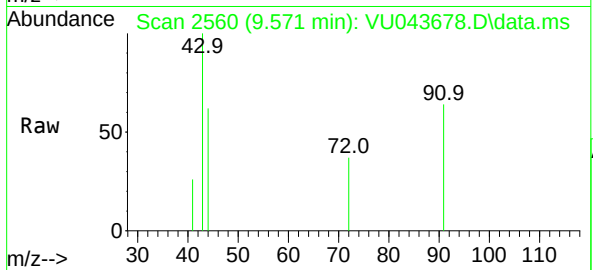
91 100

106 0.0 24.0 36.0#

Instrument :

MSVOA_U

ClientSampled :



#68

m/p-Xylenes

Concen: 2.38 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. -0.000 min

Lab File: VU043678.D

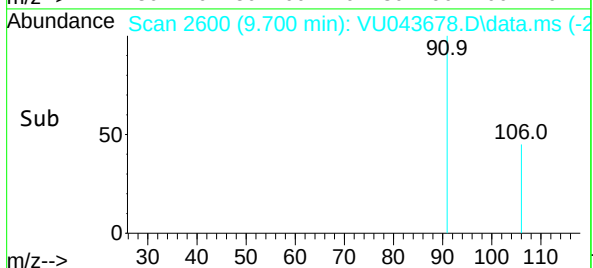
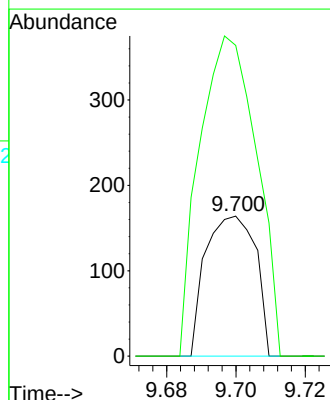
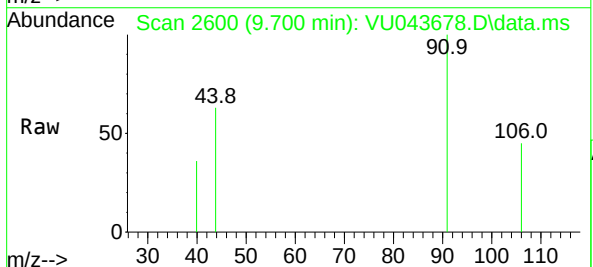
Acq: 12 May 2021 15:30

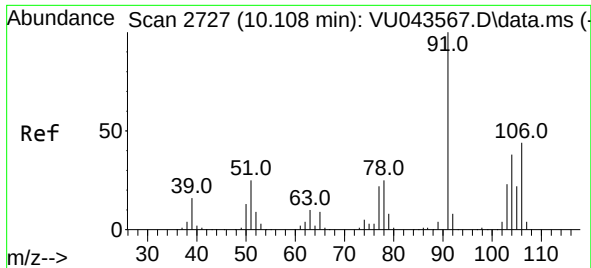
Tgt Ion:106 Resp: 165

Ion Ratio Lower Upper

106 100

91 258.8 171.7 257.5#

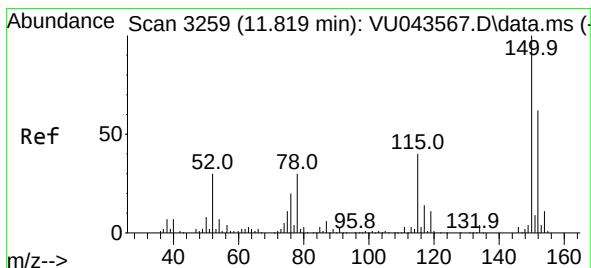
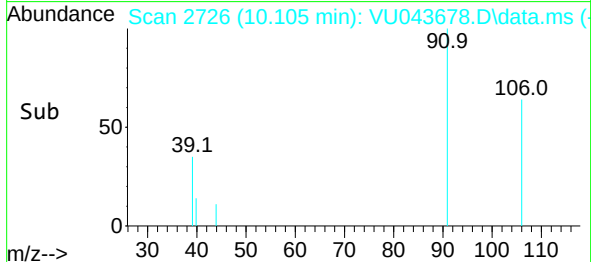
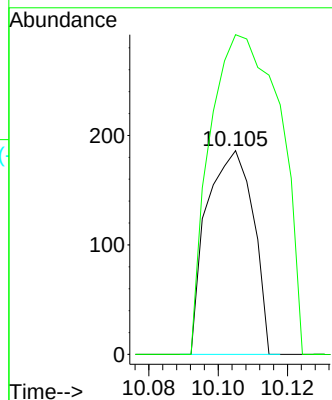
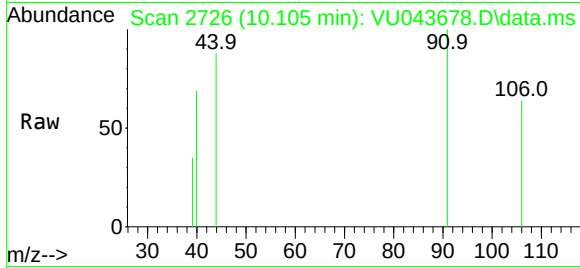




#69
o-Xylene
Concen: 1.92 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

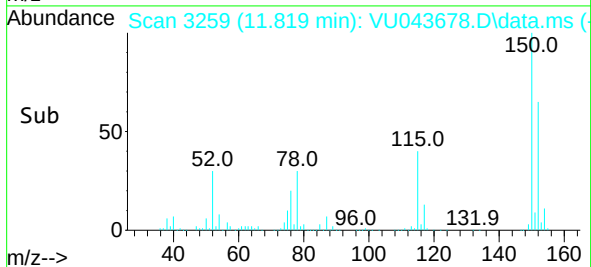
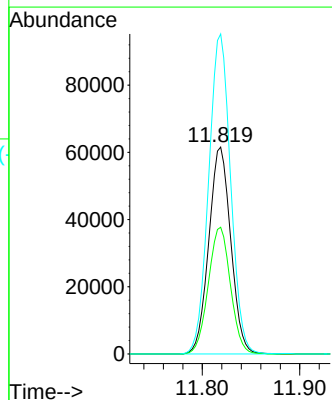
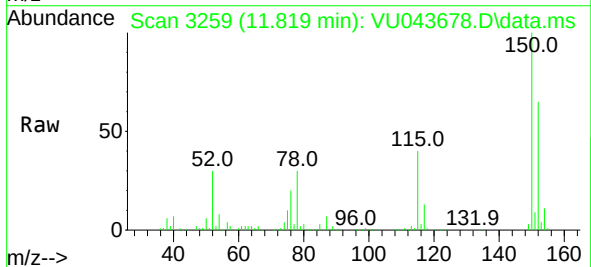
Instrument :
MSVOA_U
ClientSampleId :

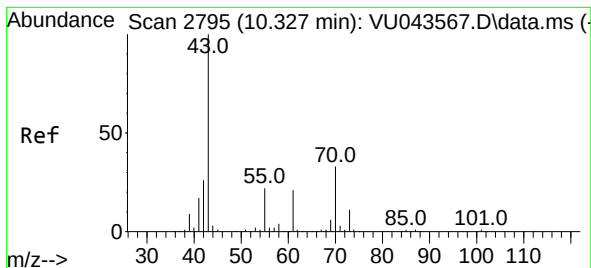
Tgt Ion:106 Resp: 174
Ion Ratio Lower Upper
106 100
91 236.2 114.5 343.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion:152 Resp: 96541
Ion Ratio Lower Upper
152 100
115 61.6 46.1 138.3
150 154.3 0.0 361.0





#74

N-amy1 acetate

Concen: 3.12 ug/l

RT: 10.388 min Scan# 2814

Delta R.T. 0.061 min

Lab File: VU043678.D

Acq: 12 May 2021 15:30

Tgt Ion: 43 Resp: 3239

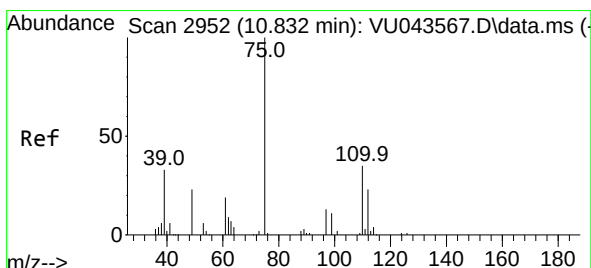
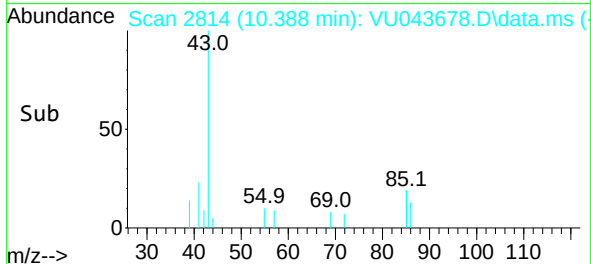
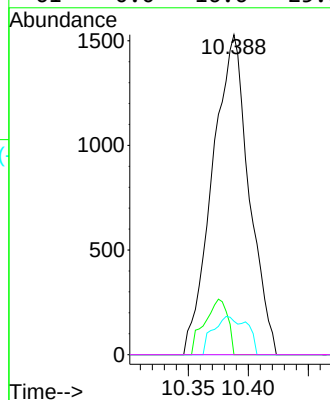
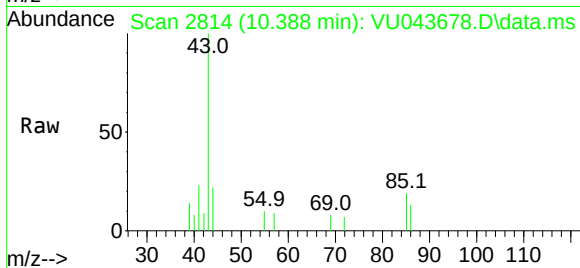
Ion Ratio Lower Upper

43 100

70 11.0 26.4 39.6#

55 11.1 18.0 27.0#

61 0.0 16.6 25.0#



#76

1,2,3-Trichloropropane

Concen: 19.50 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. -0.193 min

Lab File: VU043678.D

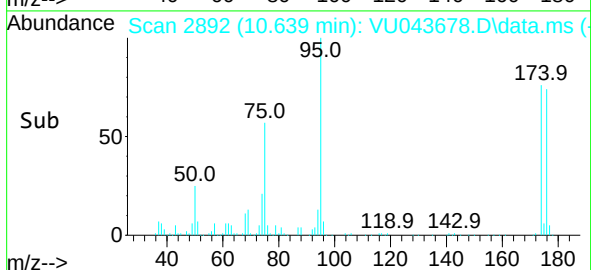
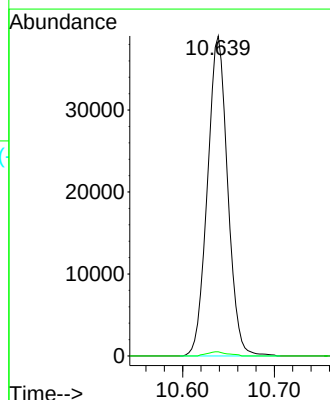
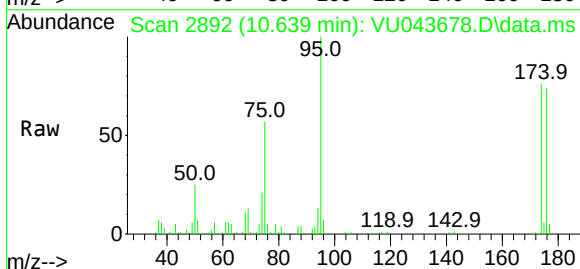
Acq: 12 May 2021 15:30

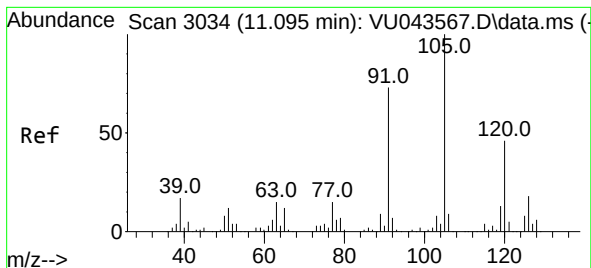
Tgt Ion: 75 Resp: 59854

Ion Ratio Lower Upper

75 100

77 1.3 17.1 51.3#

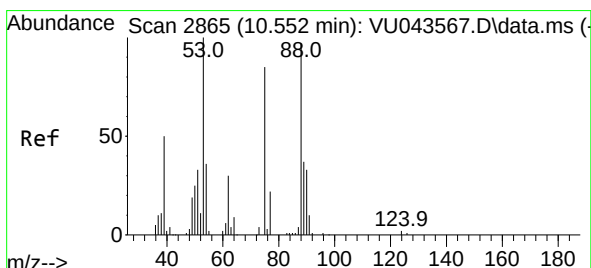
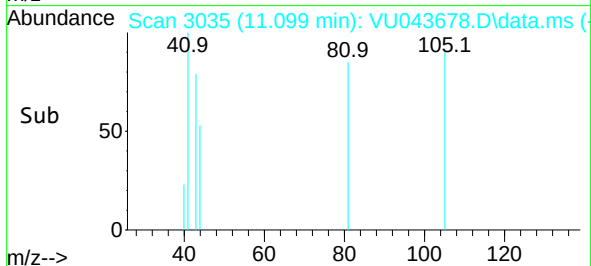
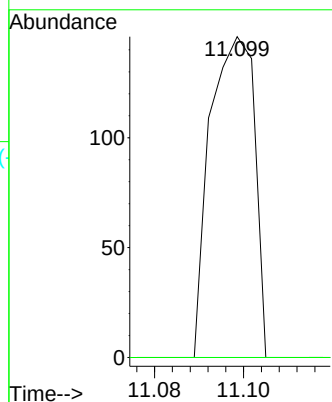
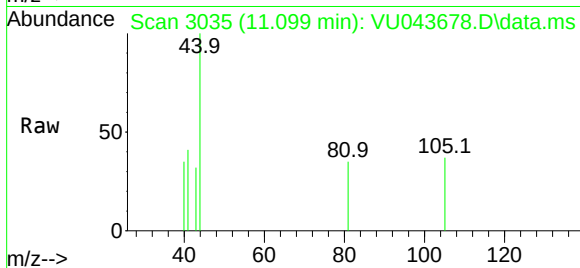




#80
1,3,5-Trimethylbenzene
Concen: 0.75 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.004 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

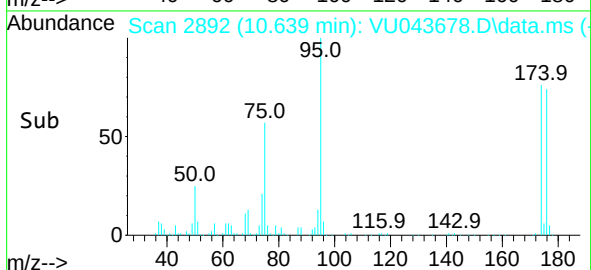
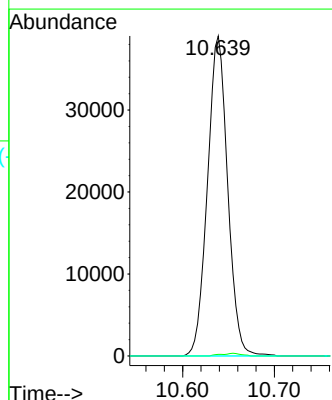
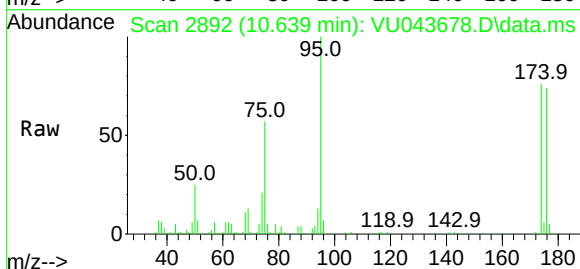
Instrument :
MSVOA_U
ClientSampled :

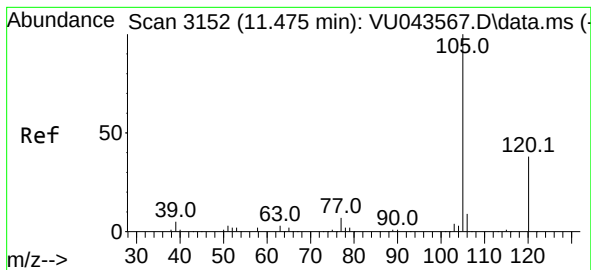
Tgt Ion:105 Resp: 101
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.50 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion: 75 Resp: 59854
Ion Ratio Lower Upper
75 100
53 0.8 95.8 143.8#
89 0.0 36.1 54.1#

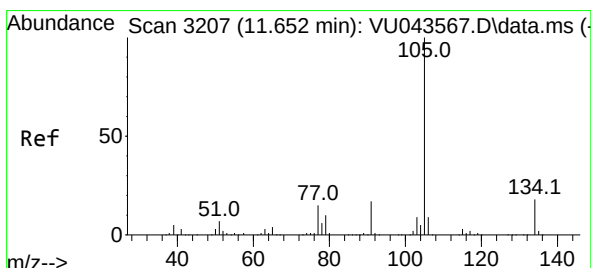
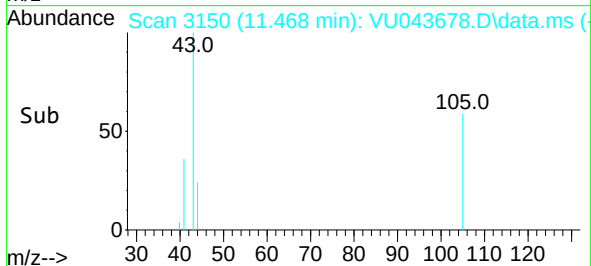
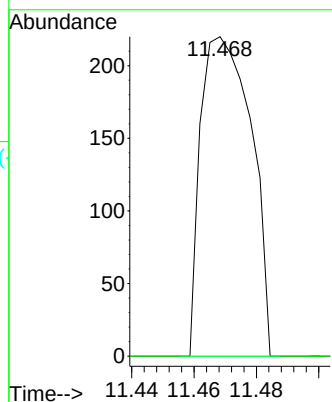
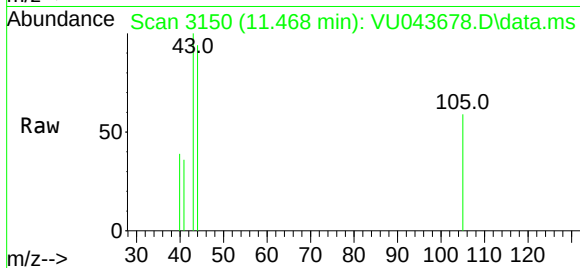




#84
1,2,4-Trimethylbenzene
Concen: 1.15 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.007 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

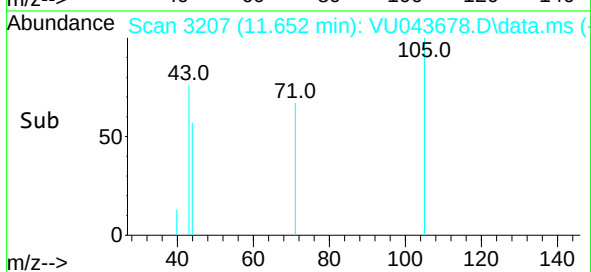
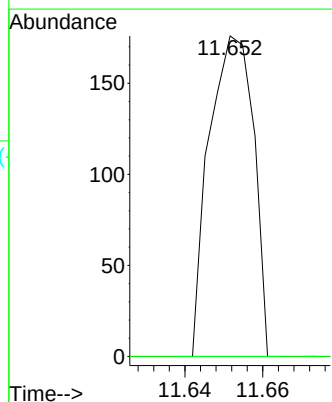
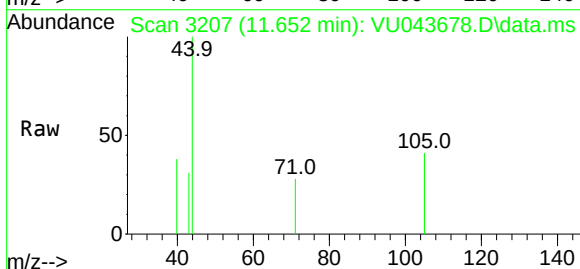
Instrument :
MSVOA_U
ClientSampleId :

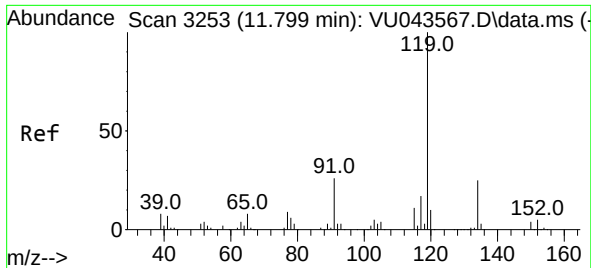
Tgt Ion:105 Resp: 247
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#



#85
sec-Butylbenzene
Concen: 1.35 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. -0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion:105 Resp: 140
Ion Ratio Lower Upper
105 100
134 0.0 9.2 27.6#

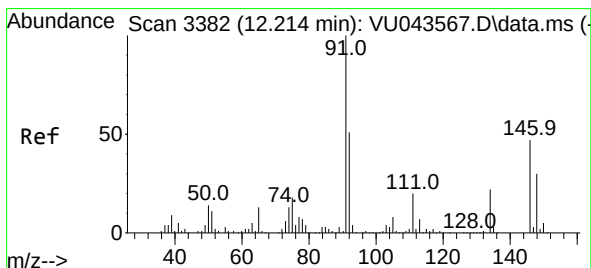
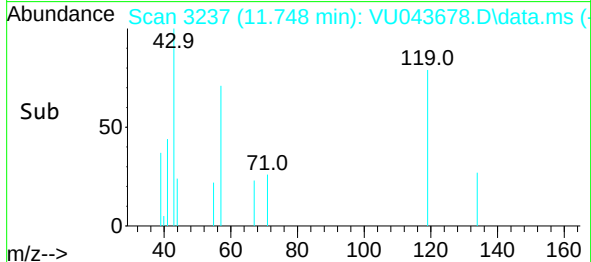
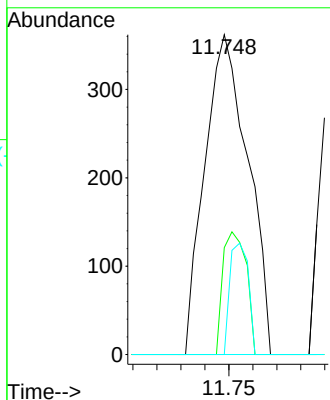
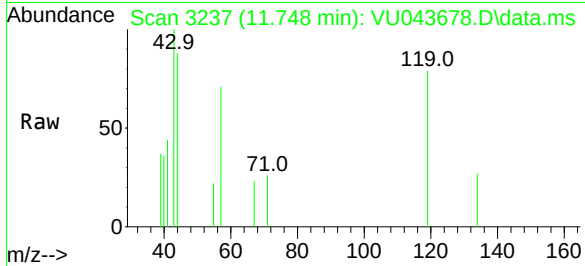




#86
p-Isopropyltoluene
Concen: 1.54 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.051 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

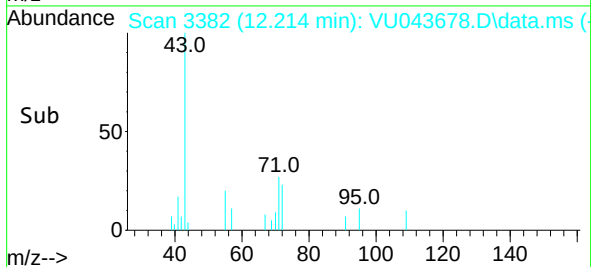
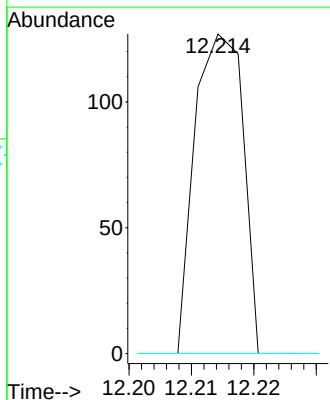
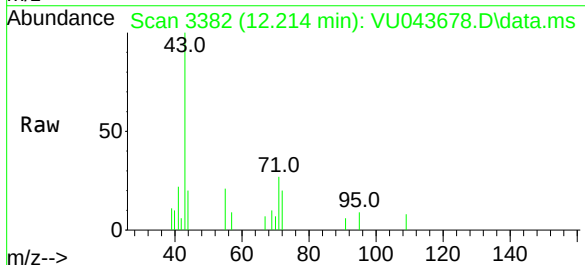
Instrument :
MSVOA_U
ClientSampleId :

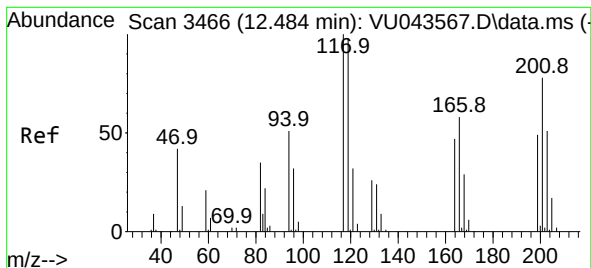
Tgt Ion:	119	Resp:	452
Ion	Ratio	Lower	Upper
119	100		
134	20.8	12.7	38.0
91	14.8	13.3	39.9



#89
n-Butylbenzene
Concen: 2.54 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU043678.D
Acq: 12 May 2021 15:30

Tgt Ion:	91	Resp:	68
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.4	76.2#
134	0.0	11.3	33.9#





#90

Hexachloroethane

Concen: 0.54 ug/l

RT: 12.687 min Scan# 3529

Delta R.T. 0.203 min

Lab File: VU043678.D

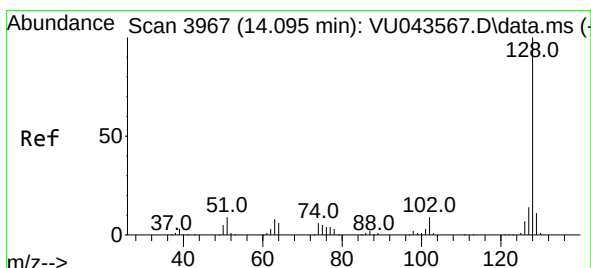
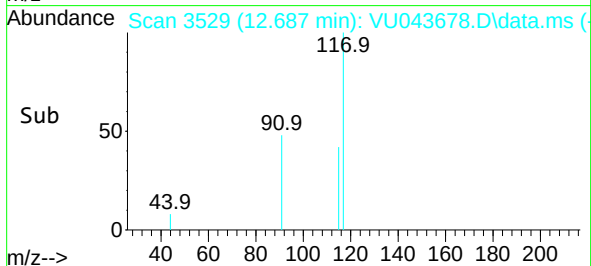
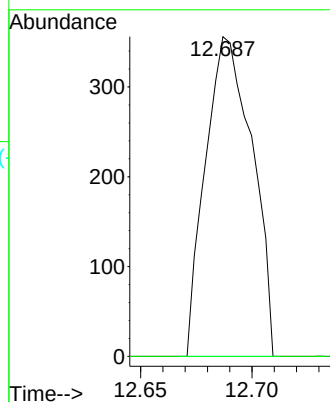
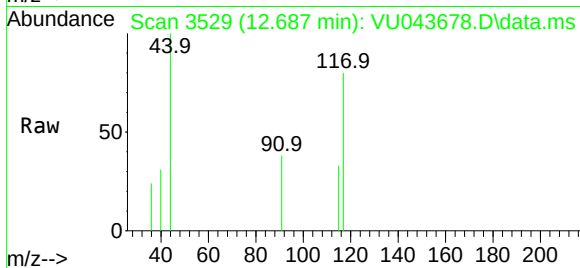
Acq: 12 May 2021 15:30

Tgt Ion:117 Resp: 518

Ion Ratio Lower Upper

117 100

201 0.0 38.6 115.7#



#95

Naphthalene

Concen: 2.79 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. -0.003 min

Lab File: VU043678.D

Acq: 12 May 2021 15:30

Tgt Ion:128 Resp: 10737

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 9.2 8.6 12.8

