

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043687.D
 Acq On : 12 May 2021 18:57
 Operator : SY/MD
 Sample : M2365-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

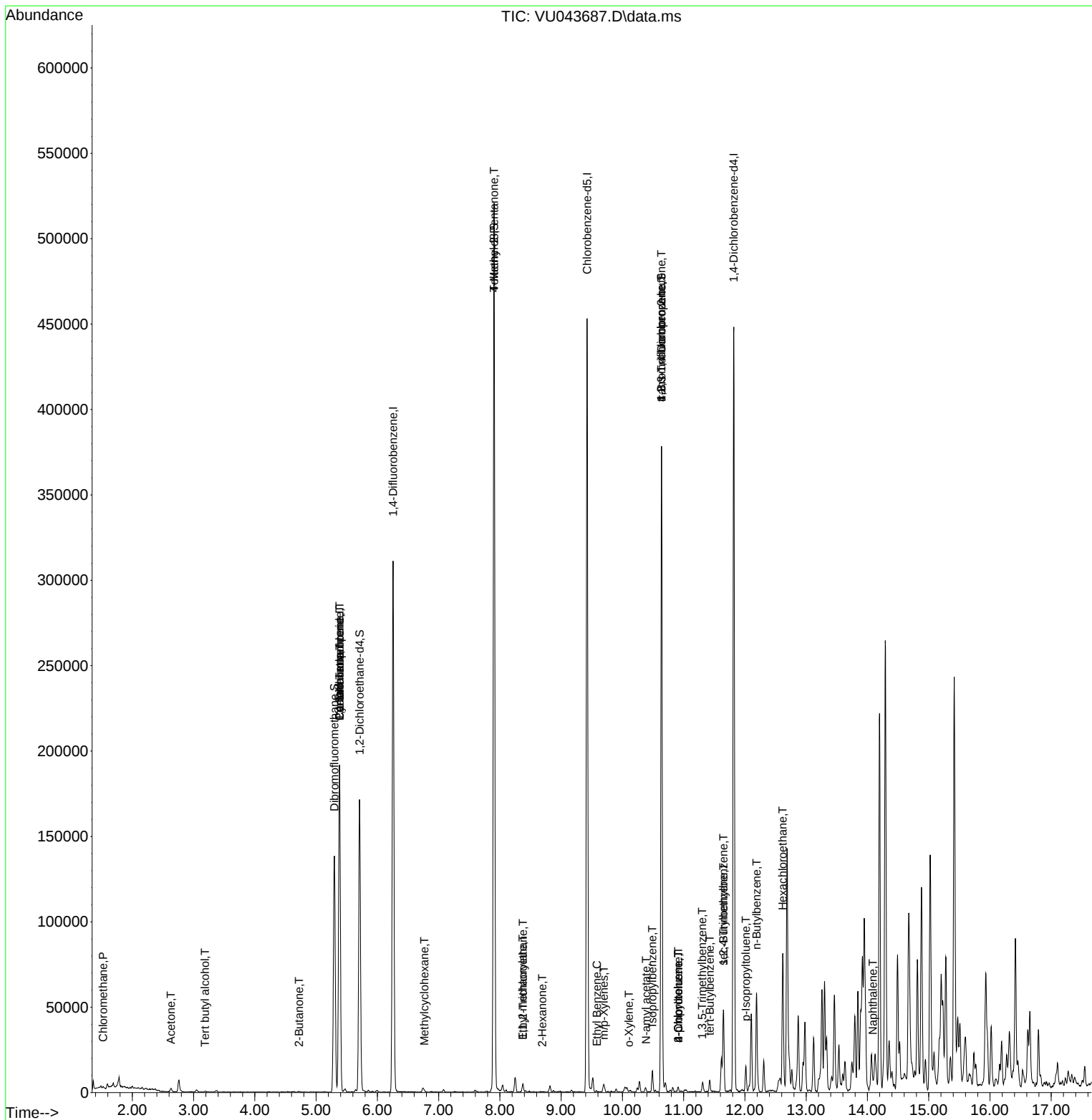
Quant Time: May 13 01:35:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

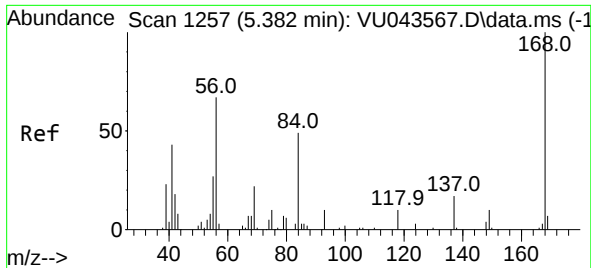
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	123399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	224185	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	219292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	104347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	128234	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
35) Dibromofluoromethane	5.298	113	86992	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
50) Toluene-d8	7.906	98	314161	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.639	95	112968	46.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.14%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	694	0.62	ug/l	96
11) Tert butyl alcohol	3.189	59	314	0.47	ug/l #	73
16) Acetone	2.629	43	2767	2.00	ug/l	94
25) 2-Butanone	4.719	43	684	0.32	ug/l #	56
31) Cyclohexane	5.382	56	3759	1.26	ug/l #	11
36) 1,1-Dichloropropene	5.382	75	11408	4.48	ug/l #	50
38) Carbon Tetrachloride	5.382	117	12951	5.02	ug/l #	18
39) Methylcyclohexane	6.768	83	704	0.29	ug/l #	72
51) 4-Methyl-2-Pentanone	7.906	43	2129	19.56	ug/l #	1
55) 1,1,2-Trichloroethane	8.375	97	1577	0.82	ug/l #	13
56) Ethyl methacrylate	8.372	69	383	4.32	ug/l #	1
59) 2-Hexanone	8.694	43	40	20.72	ug/l #	30
67) Ethyl Benzene	9.584	91	19	1.45	ug/l #	45
68) m/p-Xylenes	9.697	106	89	2.36	ug/l #	1
69) o-Xylene	10.105	106	108	1.90	ug/l #	5
73) Isopropylbenzene	10.488	105	7282	0.97	ug/l	95
74) N-amyl acetate	10.385	43	192	2.55	ug/l #	1
76) 1,2,3-Trichloropropane	10.639	75	64307	19.38	ug/l #	43
78) n-propylbenzene	10.912	91	2075	0.23	ug/l	97
79) 2-Chlorotoluene	10.912	91	2075	0.37	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.304	105	131	0.75	ug/l #	31
81) trans-1,4-Dichloro-2-b...	10.639	75	64307	63.12	ug/l #	3
82) 4-Chlorotoluene	10.912	91	2075	0.32	ug/l #	48
83) tert-Butylbenzene	11.427	119	2963	0.48	ug/l	94
84) 1,2,4-Trimethylbenzene	11.648	105	28364	5.00	ug/l #	33
85) sec-Butylbenzene	11.648	105	28364	4.59	ug/l	99
86) p-Isopropyltoluene	12.015	119	7494	2.47	ug/l	95
89) n-Butylbenzene	12.192	91	7070	3.46	ug/l #	11
90) Hexachloroethane	12.616	117	29280	27.98	ug/l #	11
95) Naphthalene	14.089	128	1705	1.71	ug/l #	69

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

Quant Time: May 13 01:35:35 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

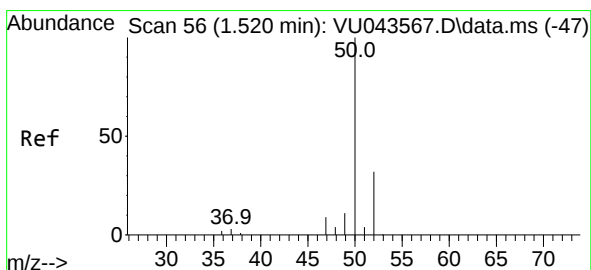
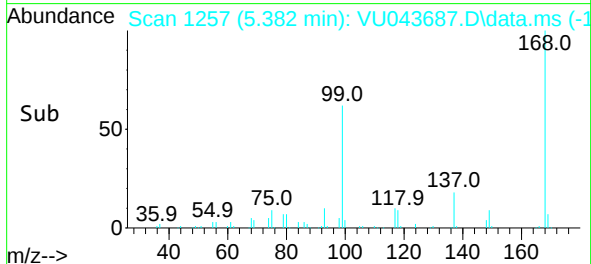
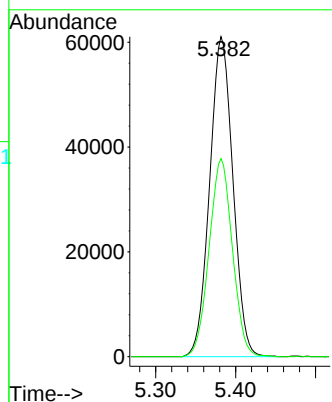
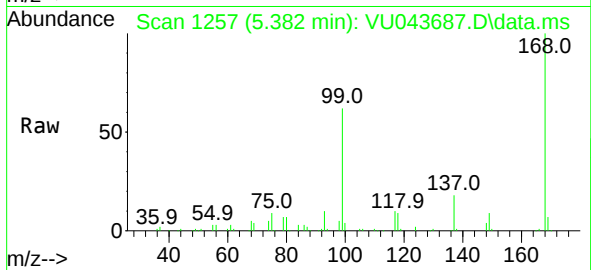




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

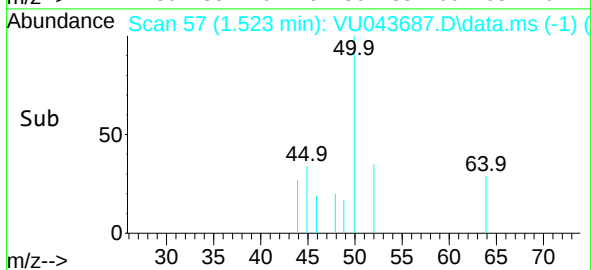
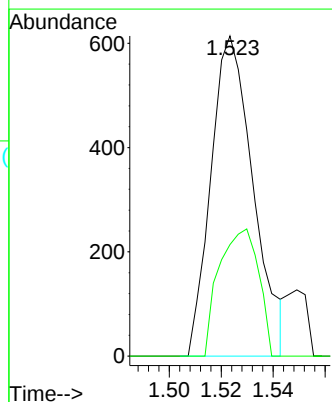
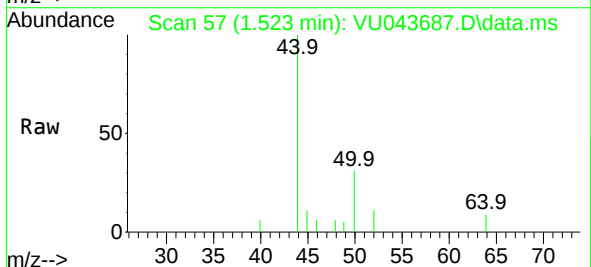
Instrument :
MSVOA_U
ClientSampleId :

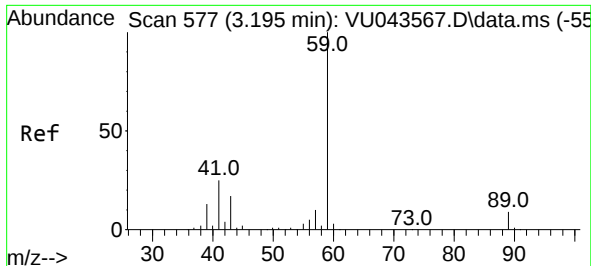
Tgt Ion:168 Resp: 123399
Ion Ratio Lower Upper
168 100
99 61.9 49.0 73.6



#3
Chloromethane
Concen: 0.62 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 50 Resp: 694
Ion Ratio Lower Upper
50 100
52 34.9 25.9 38.9



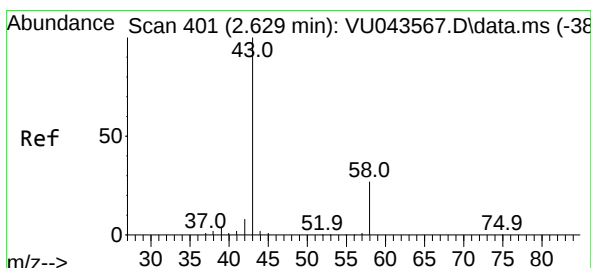
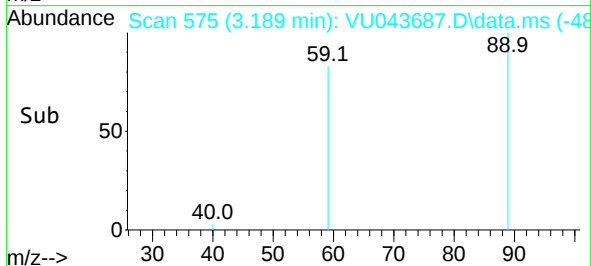
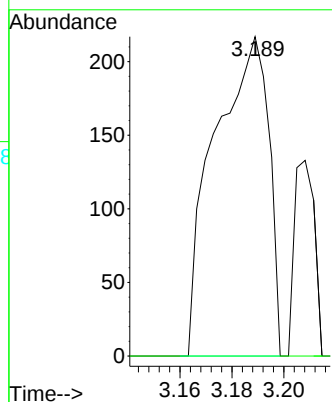
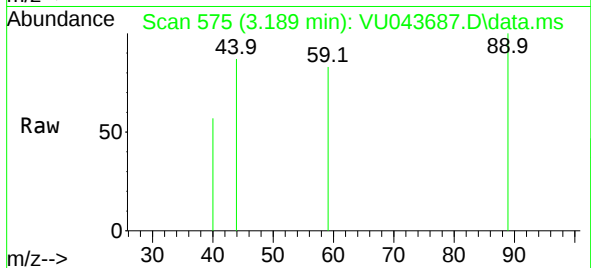


#11

Tert butyl alcohol
Concen: 0.47 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Instrument :
MSVOA_U
ClientSampled :

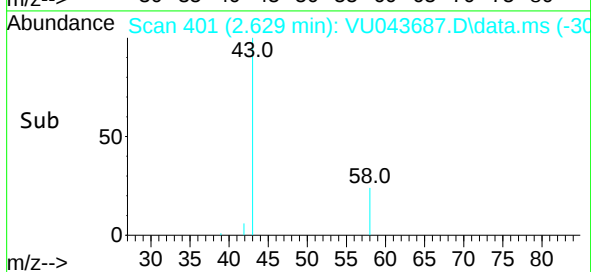
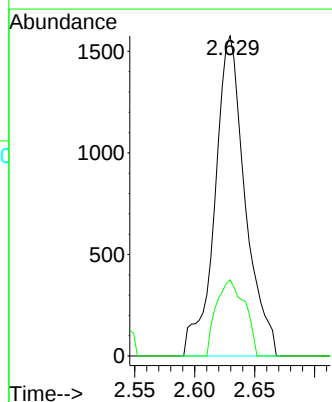
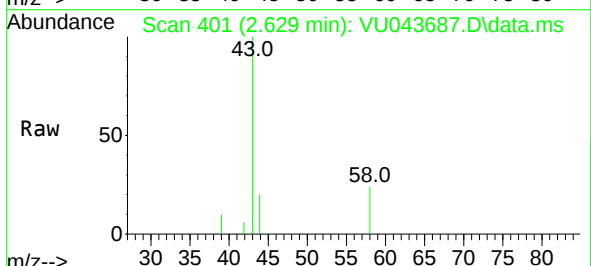
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

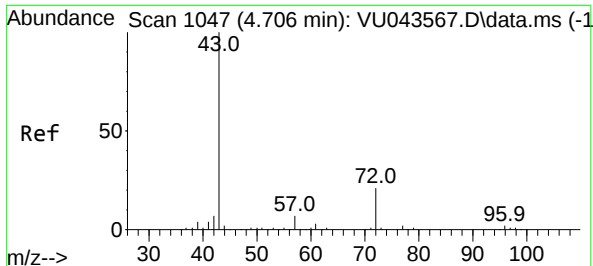


#16

Acetone
Concen: 2.00 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 43 Resp: 2767
Ion Ratio Lower Upper
43 100
58 23.8 21.7 32.5

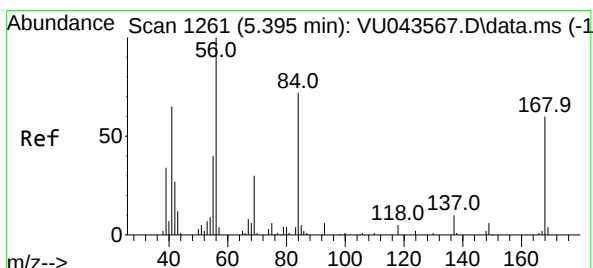
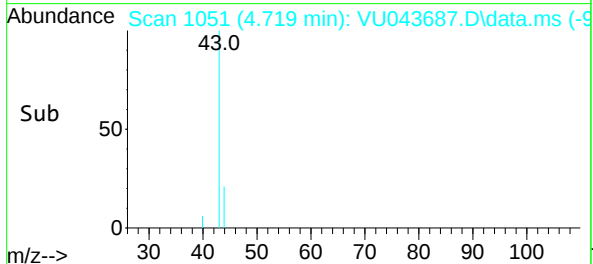
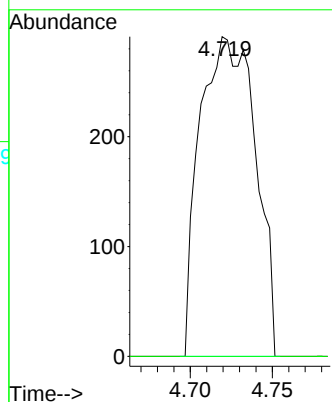
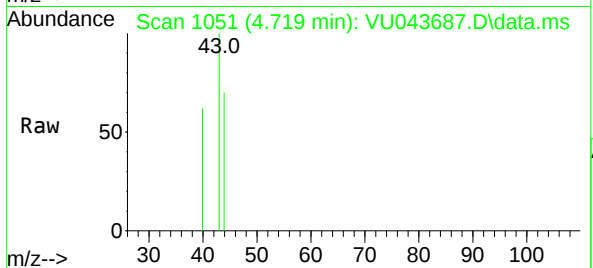




#25
2-Butanone
Concen: 0.32 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

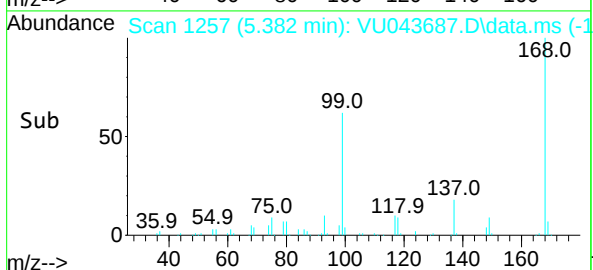
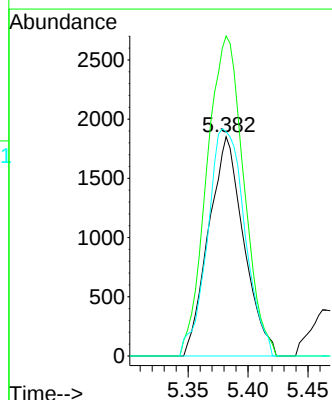
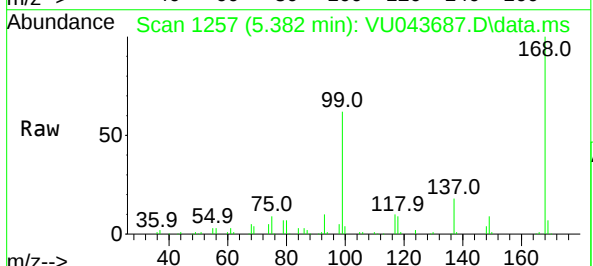
Instrument :
MSVOA_U
ClientSampled :

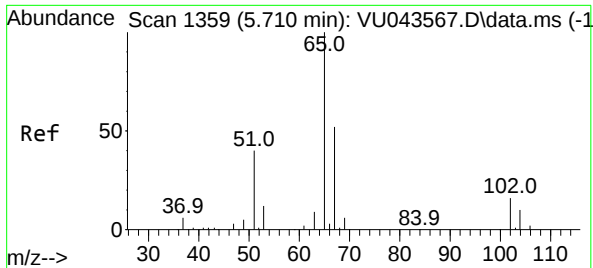
Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#31
Cyclohexane
Concen: 1.26 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 56 Resp: 3759
Ion Ratio Lower Upper
56 100
69 146.0 23.9 35.9#
84 102.3 57.7 86.5#

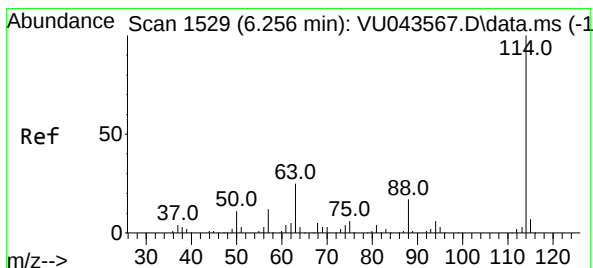
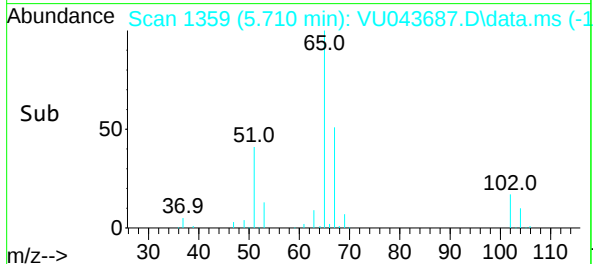
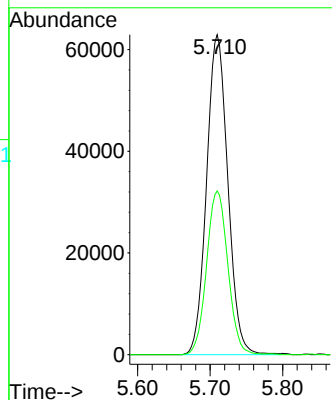
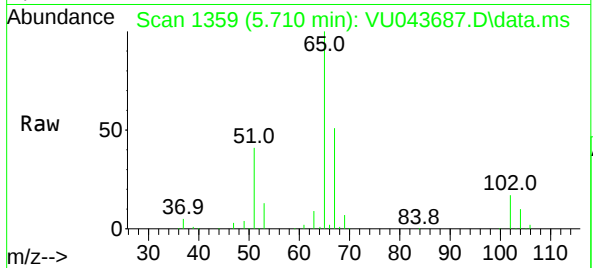




#33
 1,2-Dichloroethane-d4
 Concen: 50.24 ug/l
 RT: 5.710 min Scan# 1359
 Delta R.T. -0.000 min
 Lab File: VU043687.D
 Acq: 12 May 2021 18:57

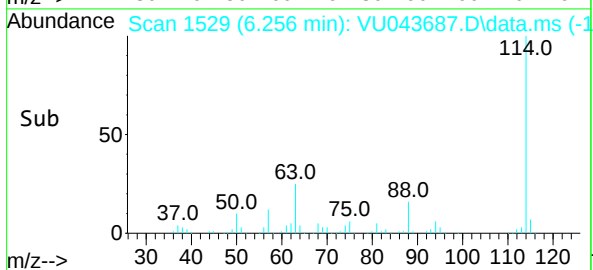
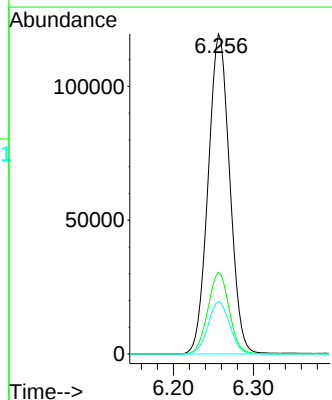
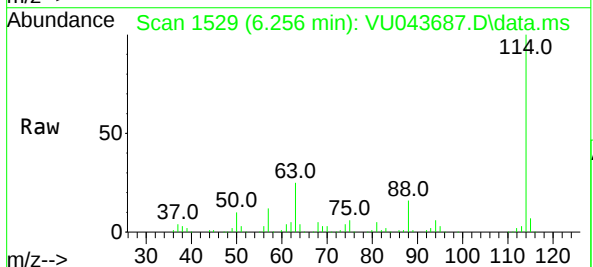
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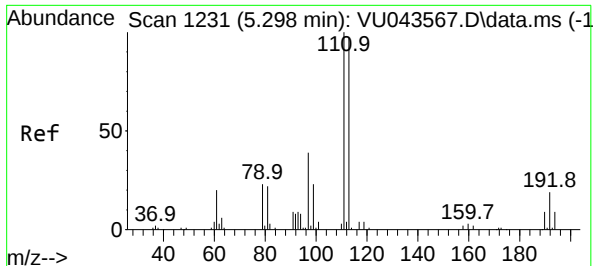
Tgt Ion:	65	Resp:	128234
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.256 min Scan# 1529
 Delta R.T. 0.000 min
 Lab File: VU043687.D
 Acq: 12 May 2021 18:57

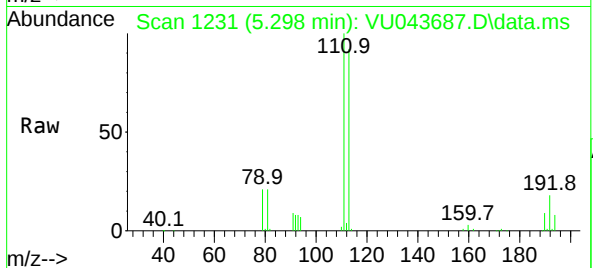
Tgt Ion:	114	Resp:	224185
Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	50.2
88	16.4	0.0	33.8



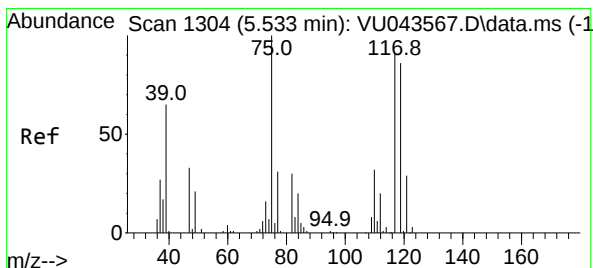
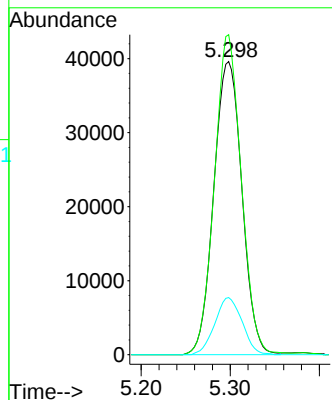
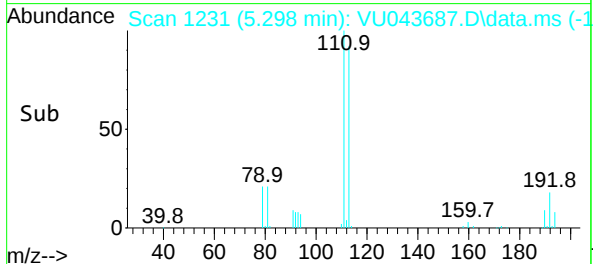


#35
Dibromofluoromethane
Concen: 47.02 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

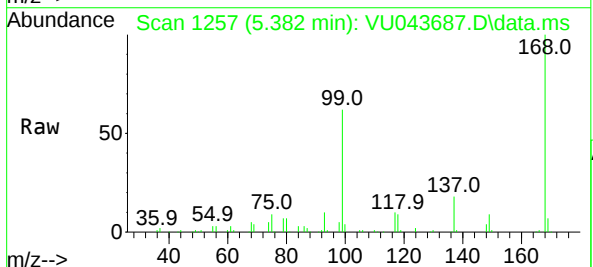
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MSVOA_U
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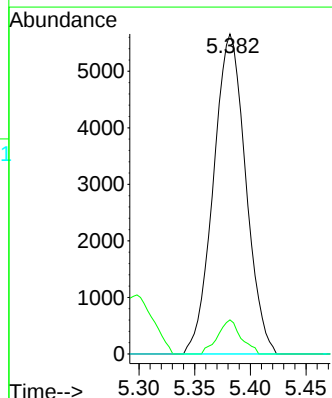
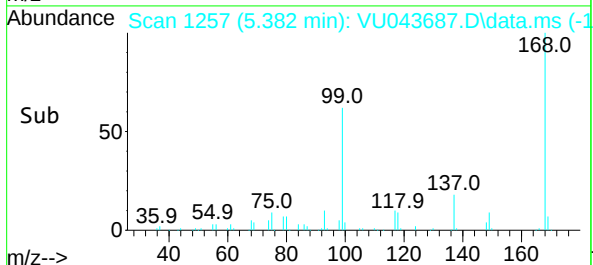
Tgt Ion:113 Resp: 86992
Ion Ratio Lower Upper
113 100
111 104.2 82.3 123.5
192 18.9 15.8 23.6

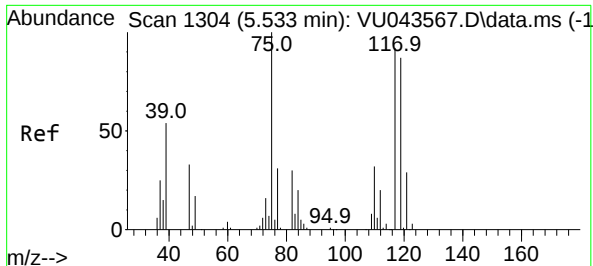


#36
1,1-Dichloropropene
Concen: 4.48 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57



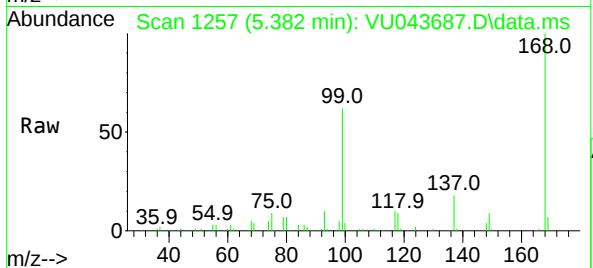
Tgt Ion: 75 Resp: 11408
Ion Ratio Lower Upper
75 100
110 7.6 16.2 48.5#
77 0.0 24.4 36.6#



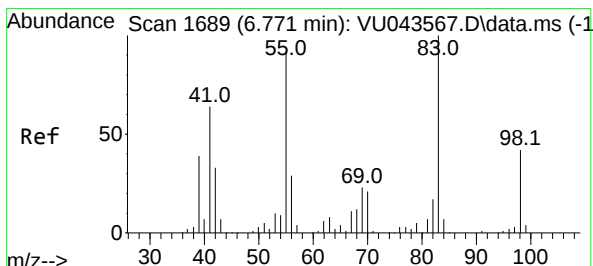
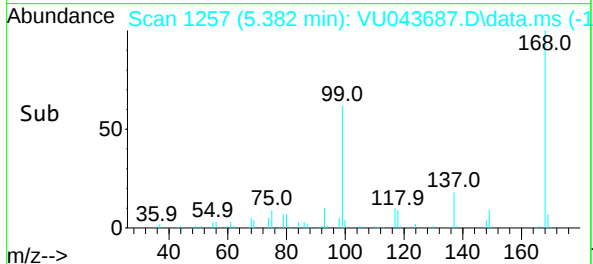
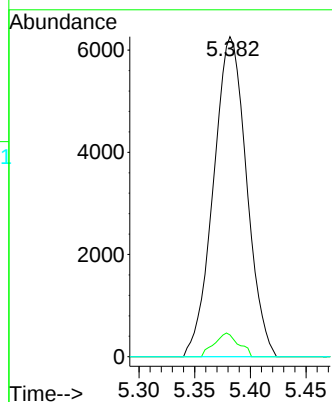


#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Instrument :
MSVOA_U
ClientSampleId :

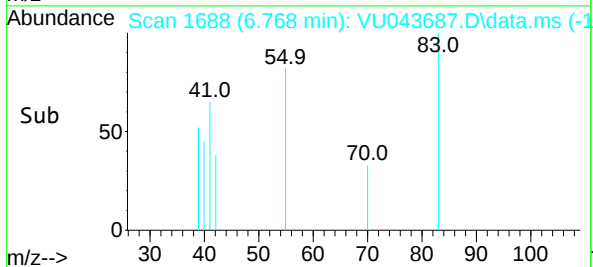
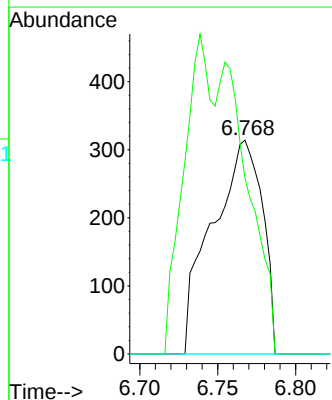
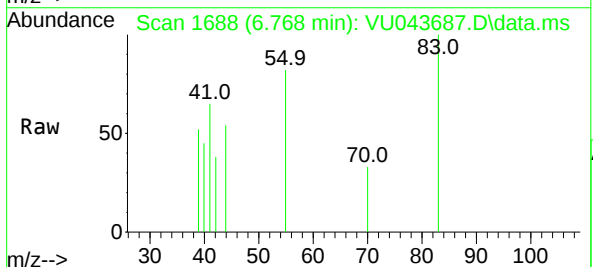


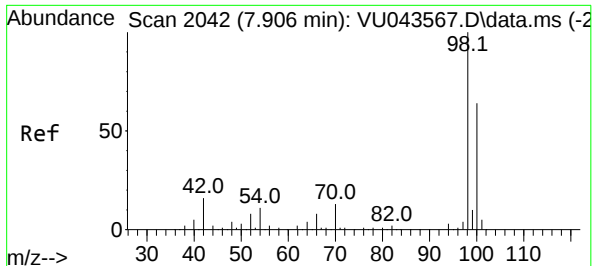
Tgt Ion:117 Resp: 12951
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.0#
121 0.0 25.2 37.8#



#39
Methylcyclohexane
Concen: 0.29 ug/l
RT: 6.768 min Scan# 1688
Delta R.T. -0.003 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 83 Resp: 704
Ion Ratio Lower Upper
83 100
55 82.2 73.7 110.5
98 0.0 34.0 51.0#





#50

Toluene-d8

Concen: 50.46 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043687.D

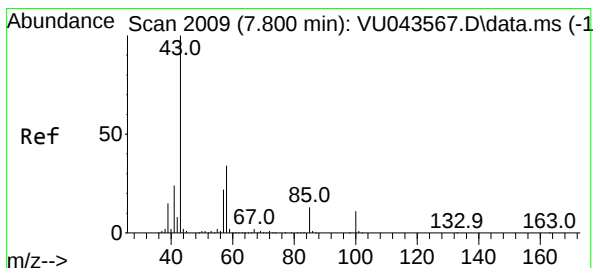
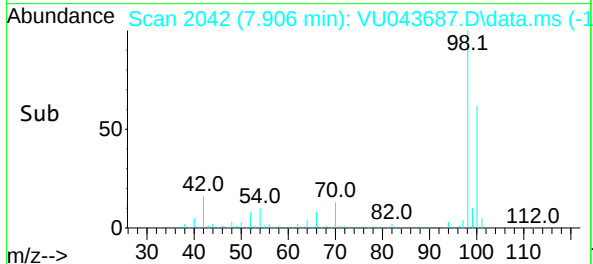
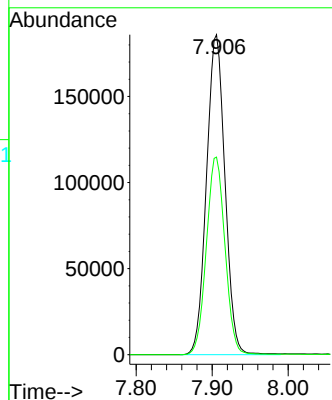
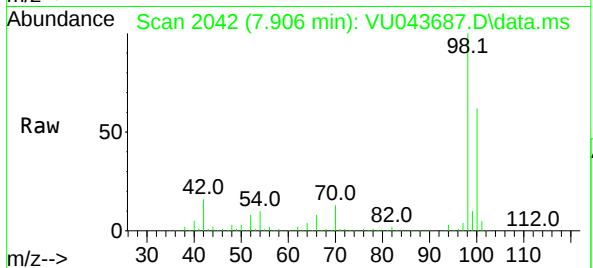
Acq: 12 May 2021 18:57

Tgt Ion: 98 Resp: 314161

Ion Ratio Lower Upper

98 100

100 62.1 50.5 75.7



#51

4-Methyl-2-Pentanone

Concen: 19.56 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.106 min

Lab File: VU043687.D

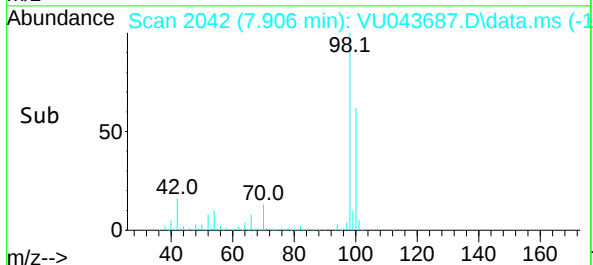
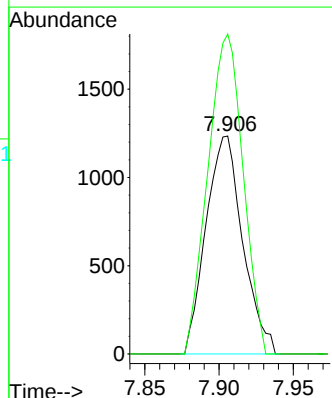
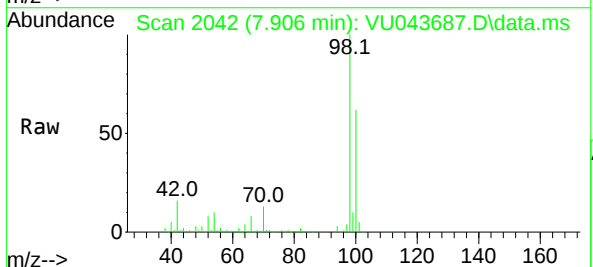
Acq: 12 May 2021 18:57

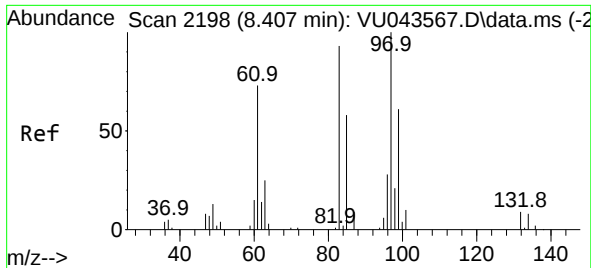
Tgt Ion: 43 Resp: 2129

Ion Ratio Lower Upper

43 100

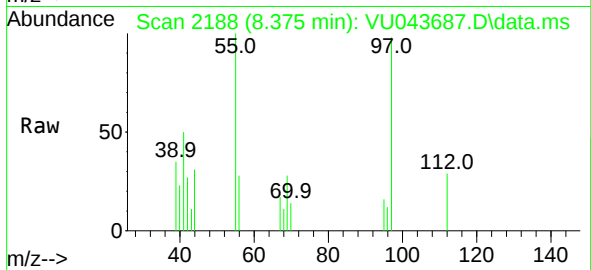
58 140.8 27.2 40.8#



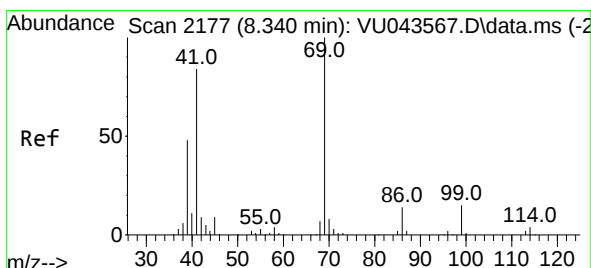
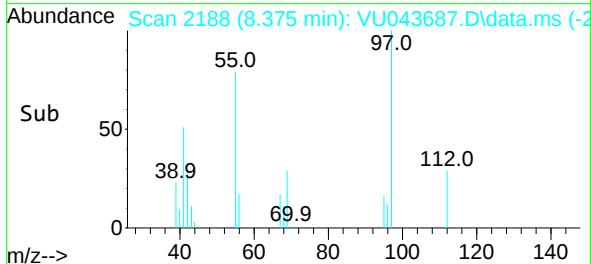
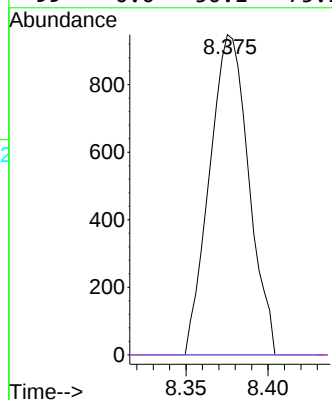


#55
1,1,2-Trichloroethane
Concen: 0.82 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. -0.032 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Instrument :
MSVOA_U
ClientSampleId :

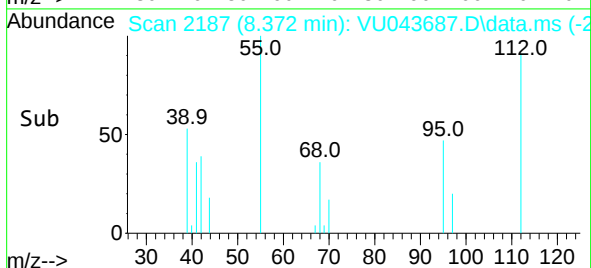
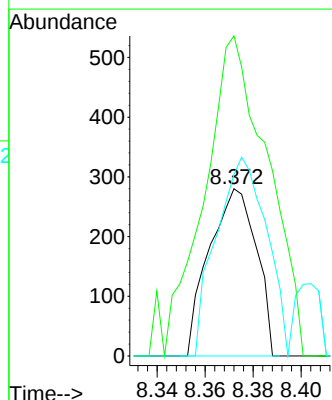
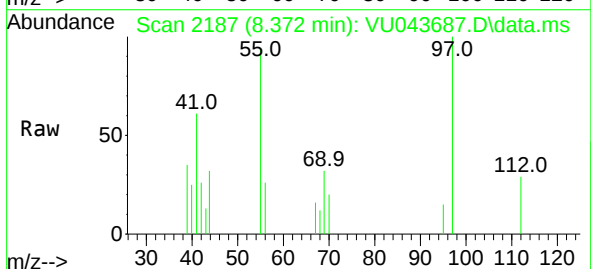


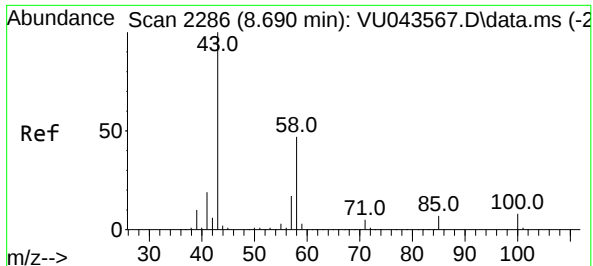
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	74.4	111.6#
85	0.0	46.6	70.0#
99	0.0	50.1	75.1#



#56
Ethyl methacrylate
Concen: 4.32 ug/l
RT: 8.372 min Scan# 2187
Delta R.T. 0.032 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	262.4	66.7	100.1#
39	126.4	37.8	56.8#

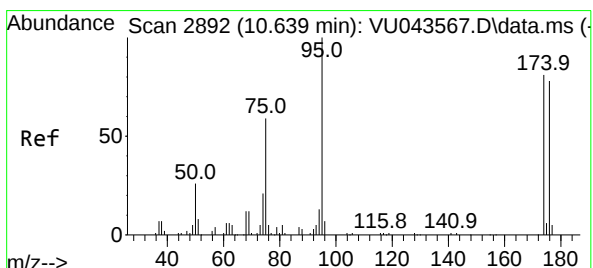
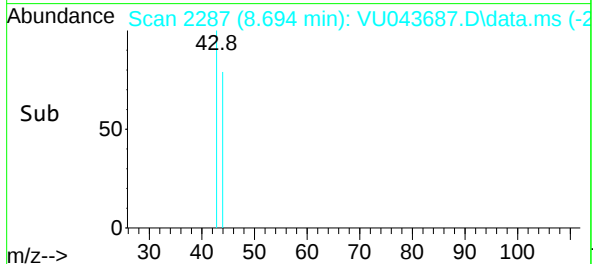
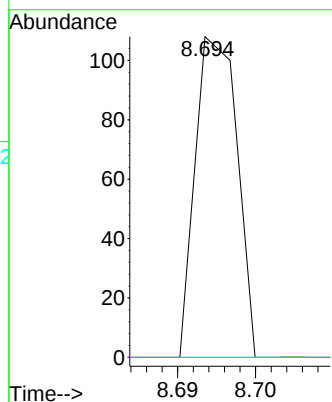
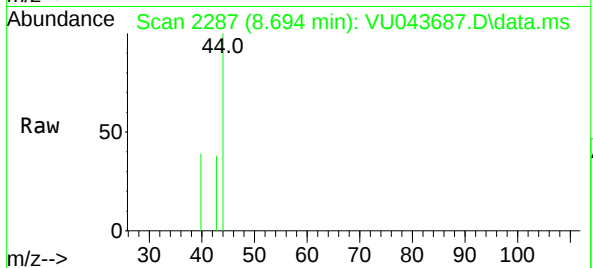




#59
2-Hexanone
Concen: 20.72 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.004 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

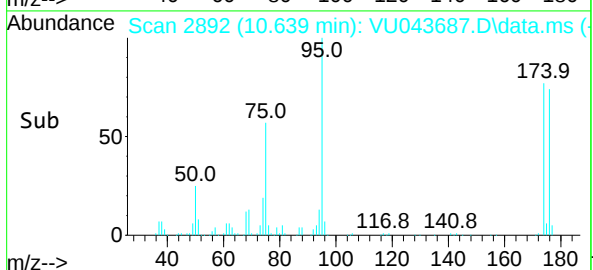
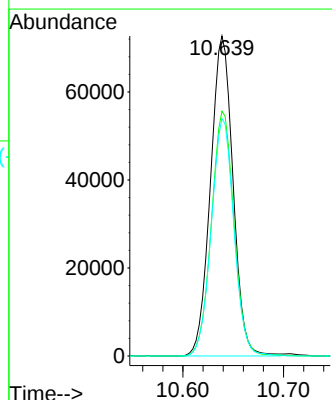
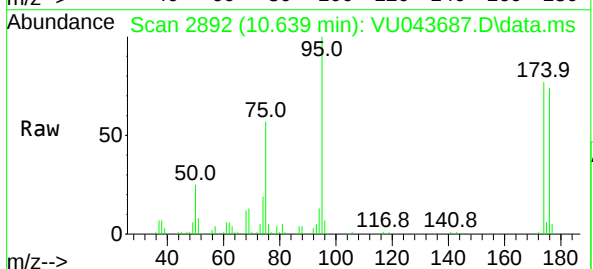
Instrument :
MSVOA_U
ClientSampled :

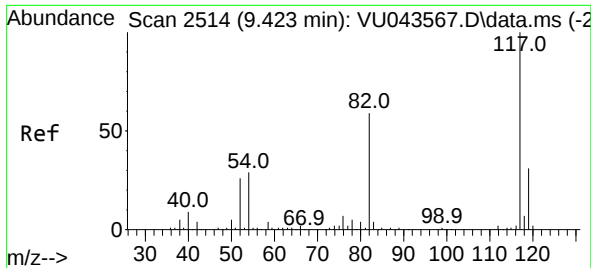
Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: 46.57 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 95 Resp: 112968
Ion Ratio Lower Upper
95 100
174 77.1 0.0 158.8
176 74.4 0.0 155.6

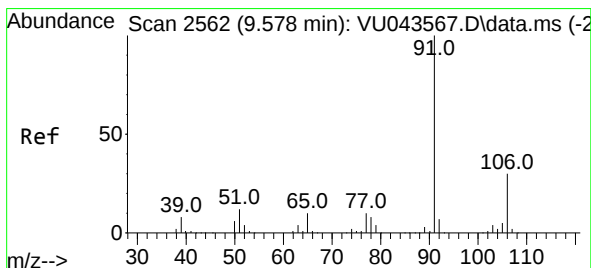
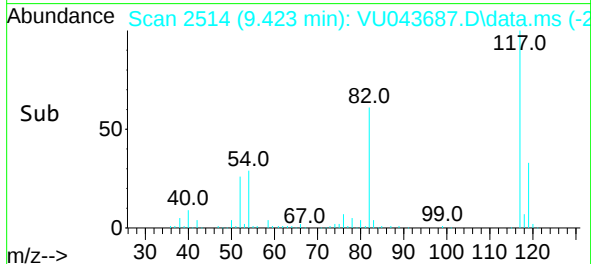
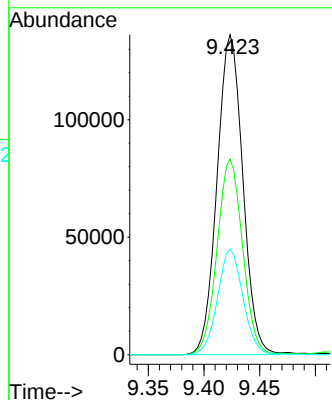
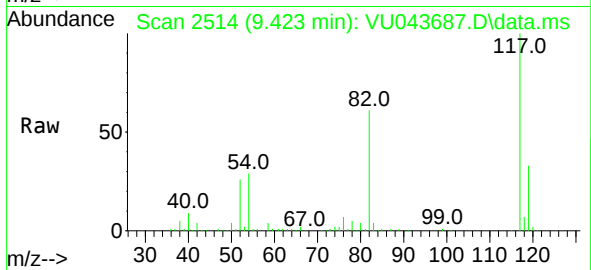




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

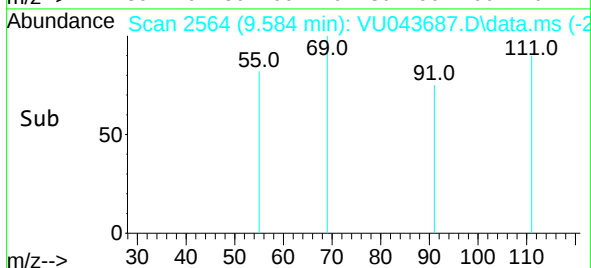
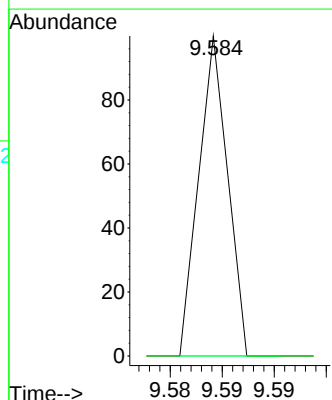
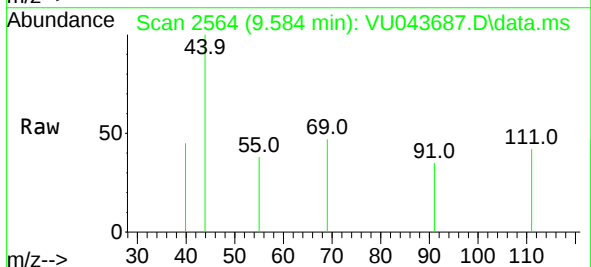
Instrument :
MSVOA_U
ClientSampleId :

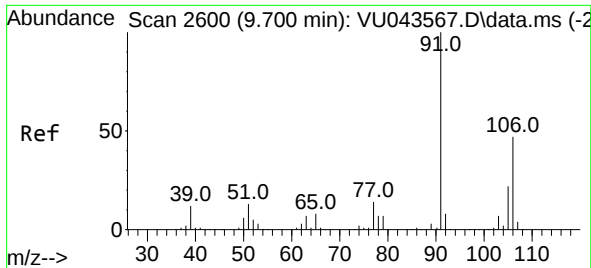
Tgt Ion:117 Resp: 219292
Ion Ratio Lower Upper
117 100
82 61.2 47.5 71.3
119 33.1 24.7 37.1



#67
Ethyl Benzene
Concen: 1.45 ug/l
RT: 9.584 min Scan# 2564
Delta R.T. 0.006 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

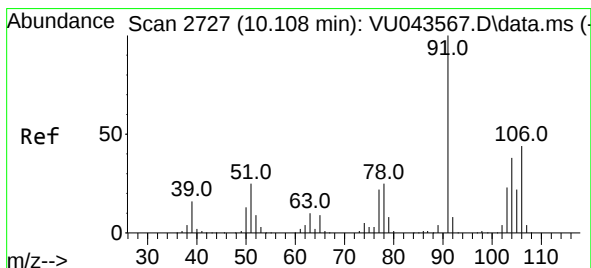
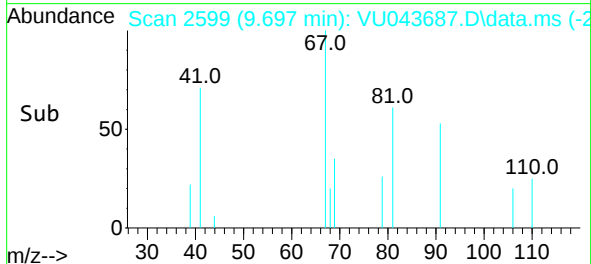
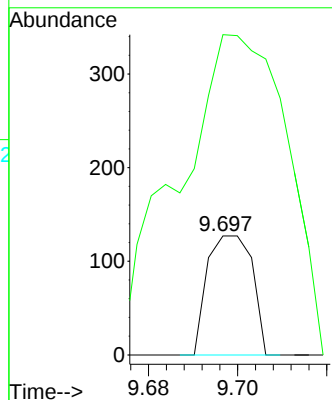
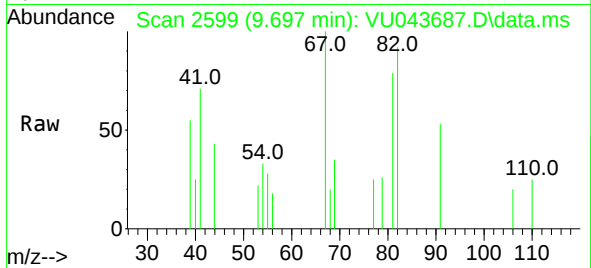




#68
m/p-Xylenes
Concen: 2.36 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

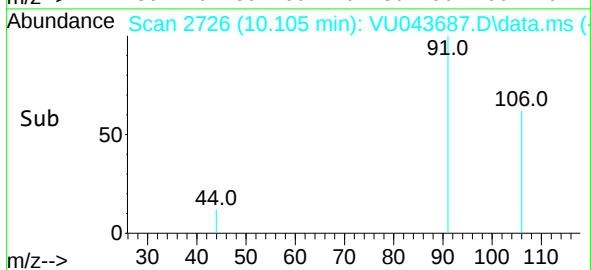
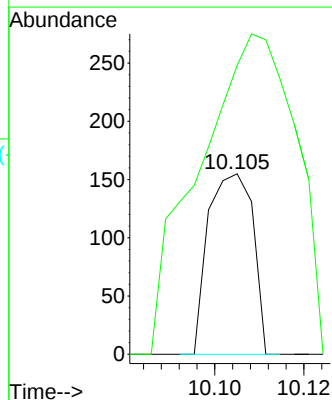
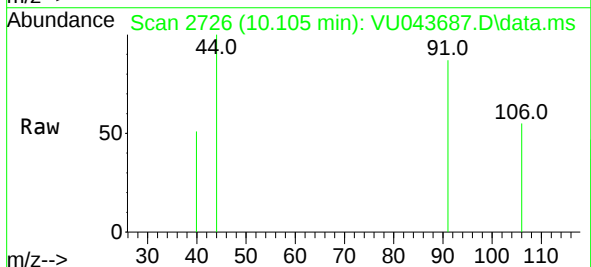
Instrument :
MSVOA_U
ClientSampleId :

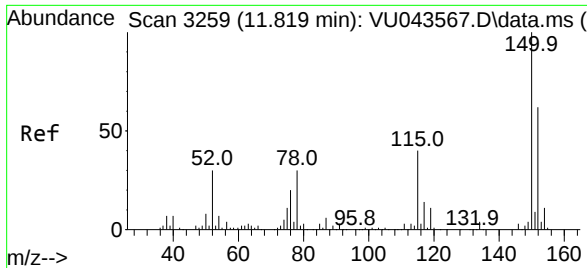
Tgt Ion:106 Resp: 89
Ion Ratio Lower Upper
106 100
91 656.2 171.7 257.5#



#69
o-Xylene
Concen: 1.90 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion:106 Resp: 108
Ion Ratio Lower Upper
106 100
91 386.1 114.5 343.5#

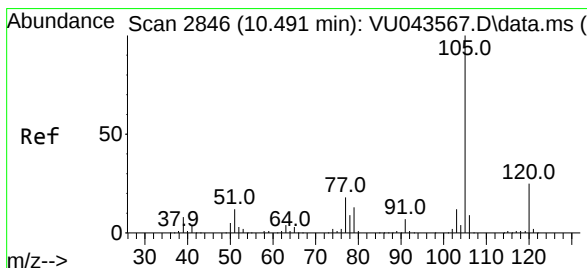
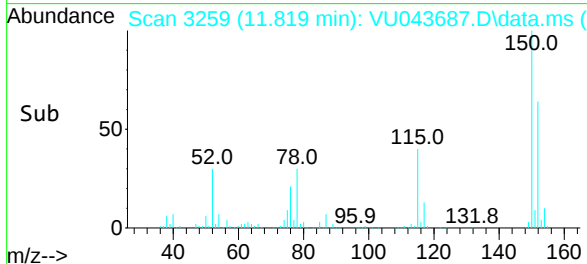
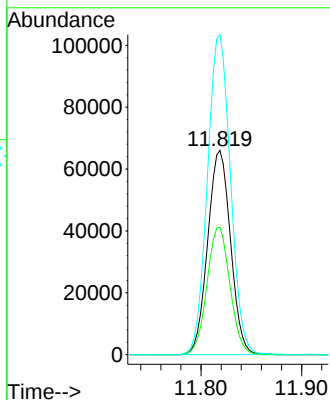
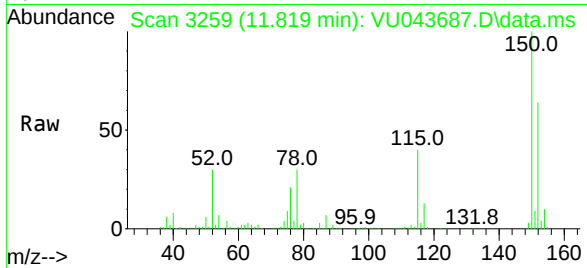




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043687.D
 Acq: 12 May 2021 18:57

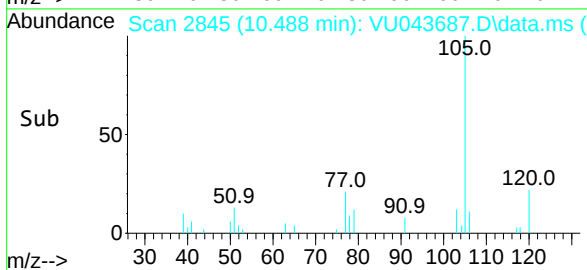
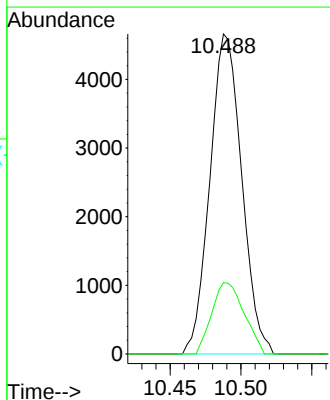
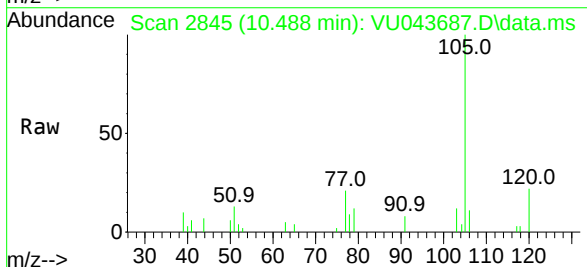
Instrument :
 MSVOA_U
 ClientSampleId :

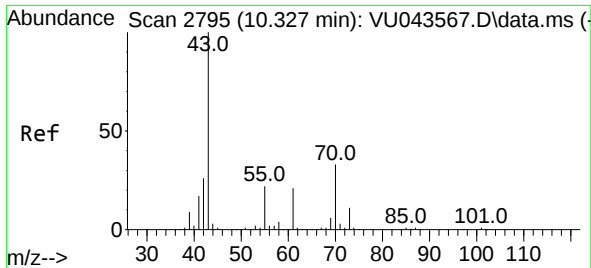
Tgt Ion:152 Resp: 104347
 Ion Ratio Lower Upper
 152 100
 115 62.7 46.1 138.3
 150 158.2 0.0 361.0



#73
 Isopropylbenzene
 Concen: 0.97 ug/l
 RT: 10.488 min Scan# 2845
 Delta R.T. -0.003 min
 Lab File: VU043687.D
 Acq: 12 May 2021 18:57

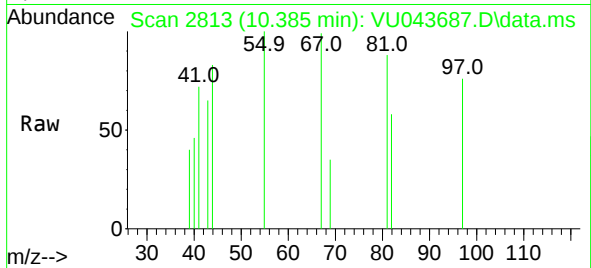
Tgt Ion:105 Resp: 7282
 Ion Ratio Lower Upper
 105 100
 120 22.5 12.6 37.6



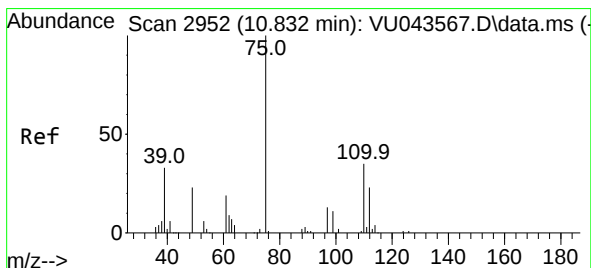
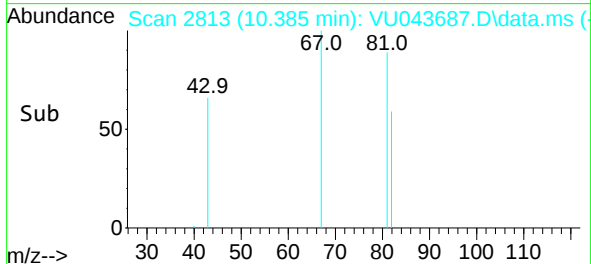
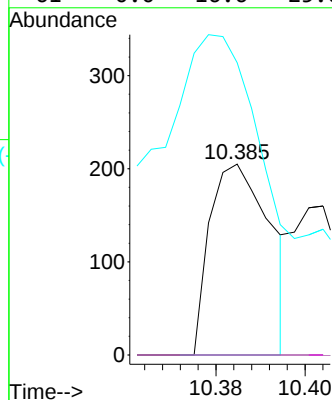


#74
N-amy1 acetate
Concen: 2.55 ug/l
RT: 10.385 min Scan# 2813
Delta R.T. 0.058 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Instrument :
MSVOA_U
ClientSampled :

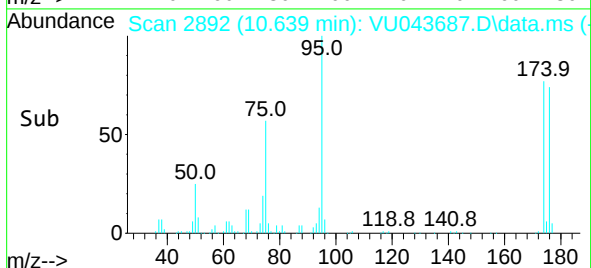
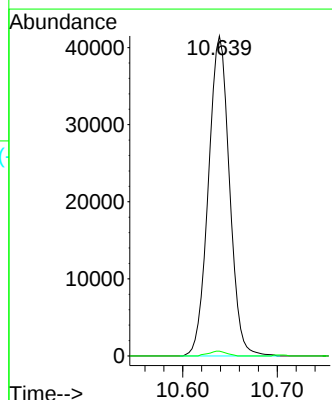
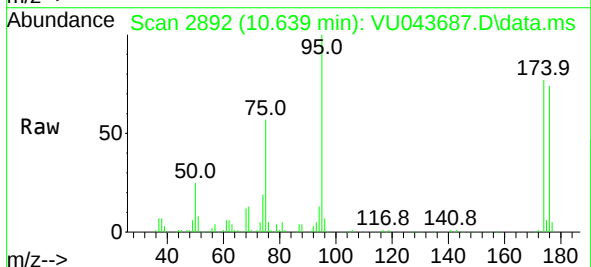


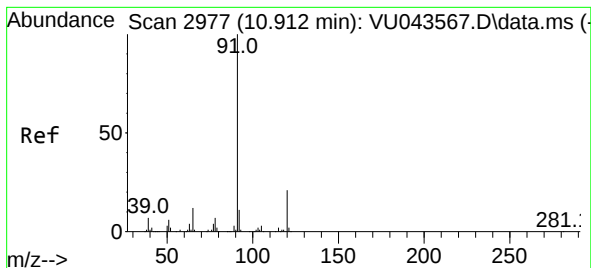
Tgt Ion:	43	Resp:	192
Ion Ratio	Lower	Upper	
43	100		
70	0.0	26.4	39.6#
55	384.4	18.0	27.0#
61	0.0	16.6	25.0#



#76
1,2,3-Trichloropropane
Concen: 19.38 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion:	75	Resp:	64307
Ion Ratio	Lower	Upper	
75	100		
77	1.3	17.1	51.3#

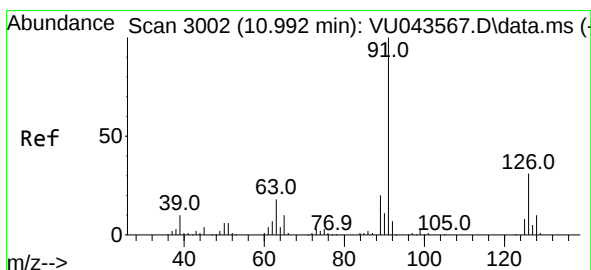
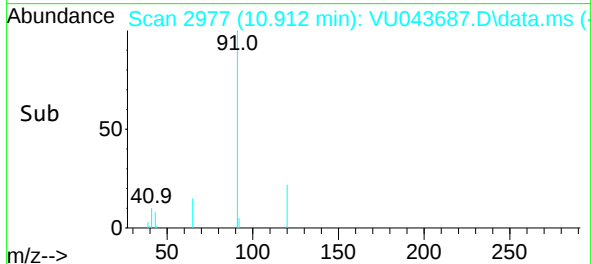
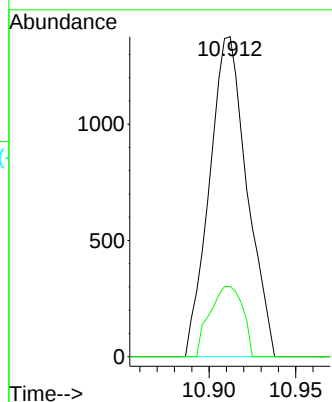
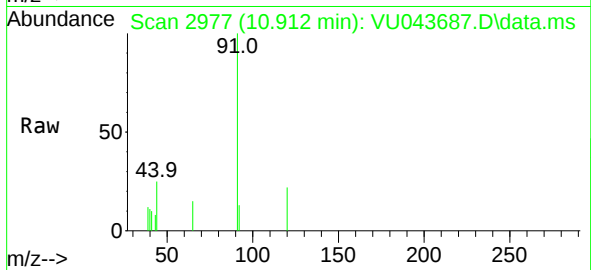




#78
n-propylbenzene
Concen: 0.23 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

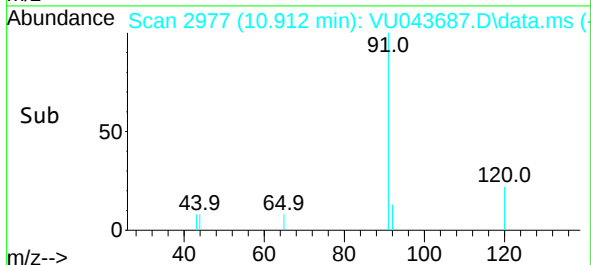
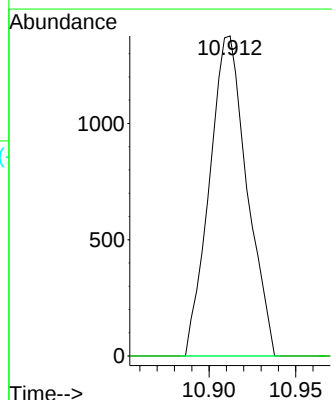
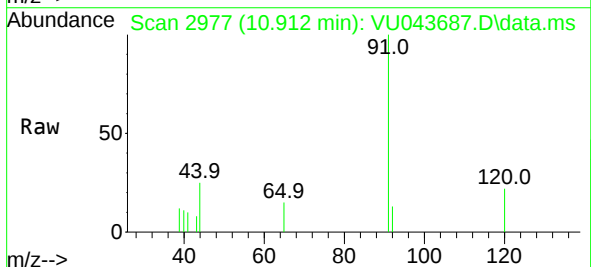
Instrument :
MSVOA_U
ClientSampled :

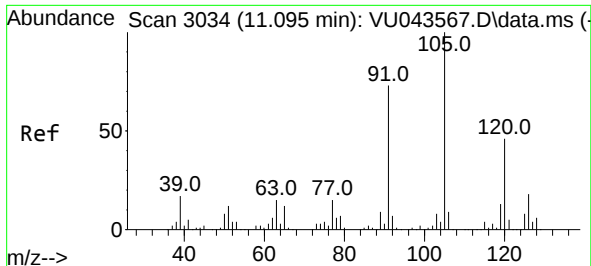
Tgt Ion: 91 Resp: 2075
Ion Ratio Lower Upper
91 100
120 19.2 10.4 31.2



#79
2-Chlorotoluene
Concen: 0.37 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.080 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 91 Resp: 2075
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.3#

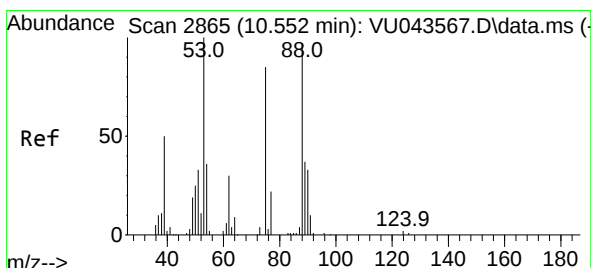
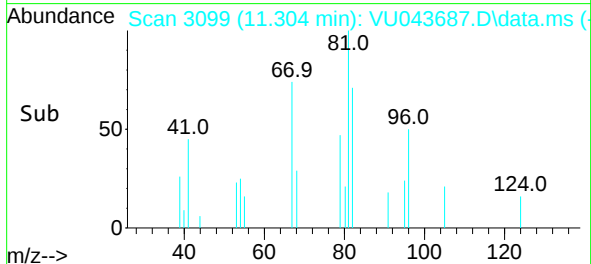
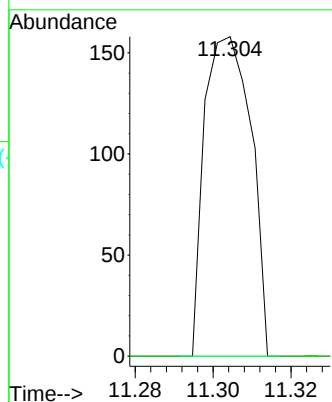
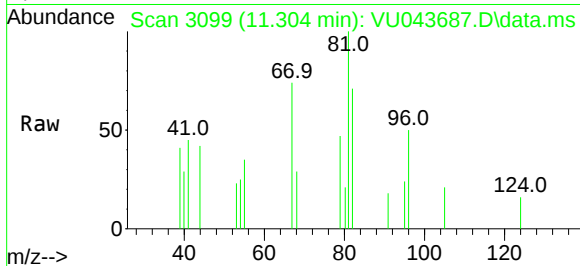




#80
1,3,5-Trimethylbenzene
Concen: 0.75 ug/l
RT: 11.304 min Scan# 3099
Delta R.T. 0.209 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

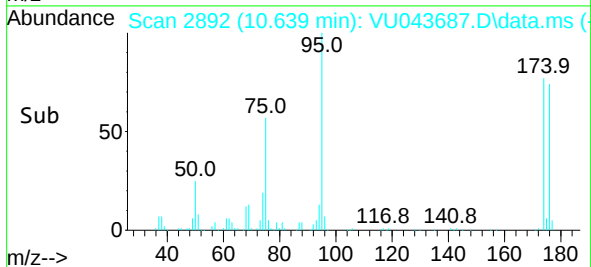
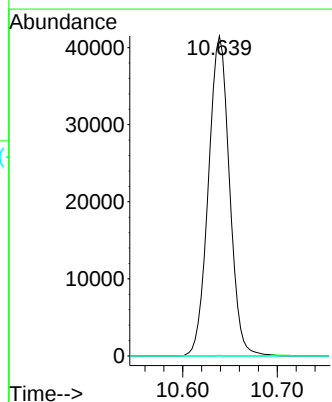
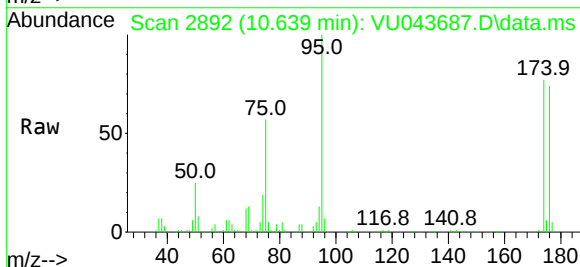
Instrument :
MSVOA_U
ClientSampled :

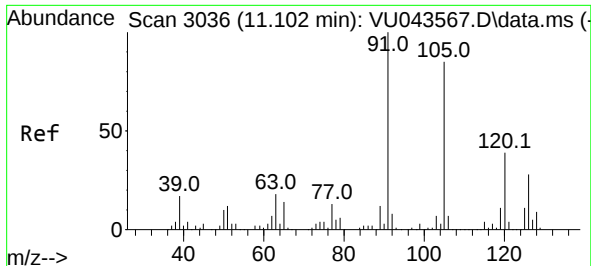
Tgt Ion:105 Resp: 131
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.12 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 75 Resp: 64307
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

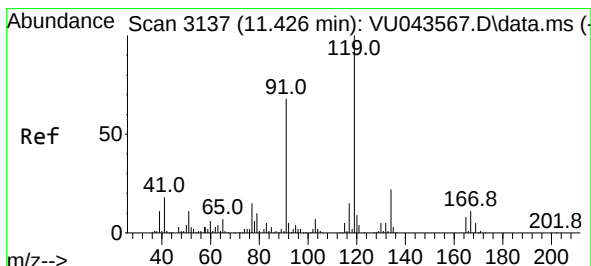
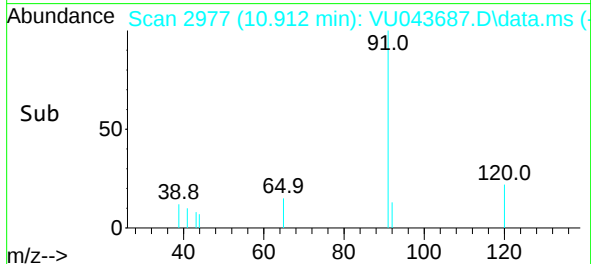
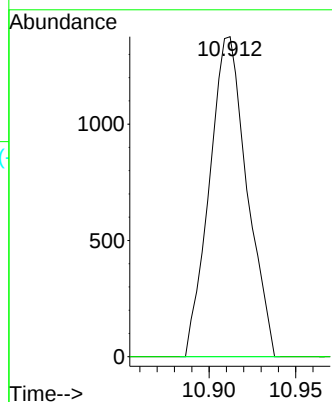
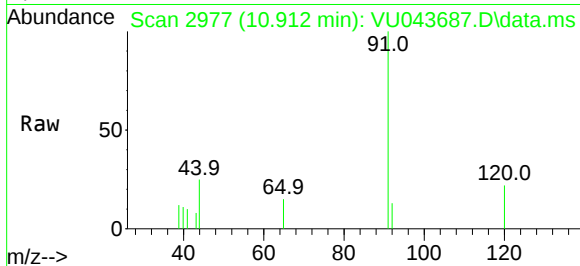




#82
4-Chlorotoluene
Concen: 0.32 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.190 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

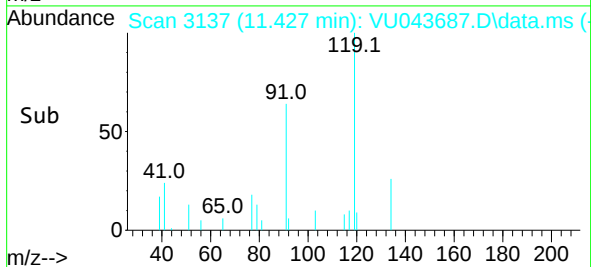
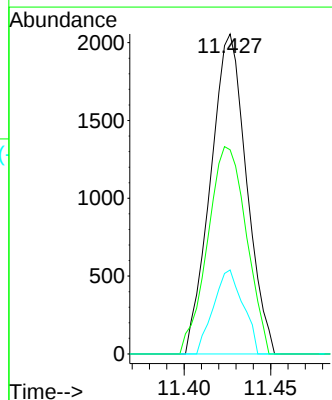
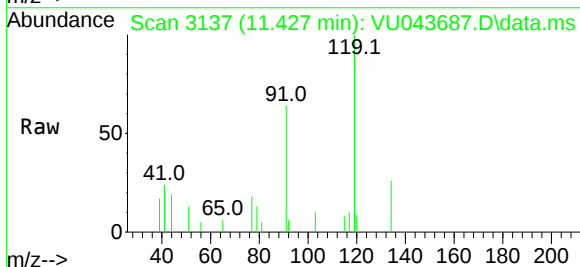
Instrument :
MSVOA_U
ClientSampled :

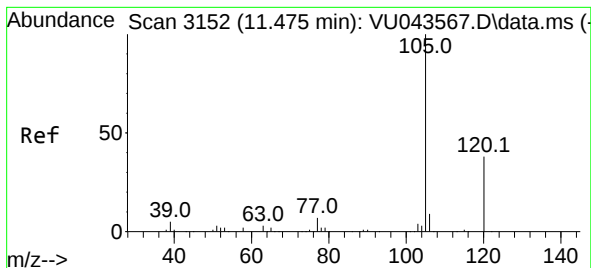
Tgt Ion: 91 Resp: 2075
Ion Ratio Lower Upper
91 100
126 0.0 13.7 41.0#



#83
tert-Butylbenzene
Concen: 0.48 ug/l
RT: 11.427 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion: 119 Resp: 2963
Ion Ratio Lower Upper
119 100
91 69.7 32.0 96.0
134 21.6 10.9 32.9





#84

1,2,4-Trimethylbenzene

Concen: 5.00 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. 0.173 min

Lab File: VU043687.D

Acq: 12 May 2021 18:57

Tgt Ion:105 Resp: 28364

Ion Ratio Lower Upper

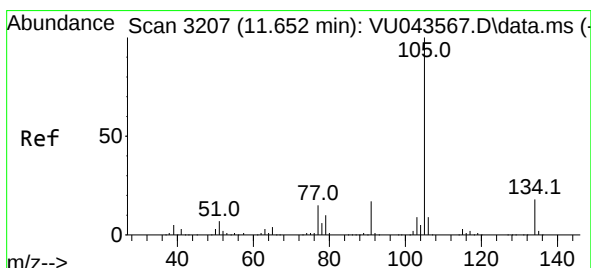
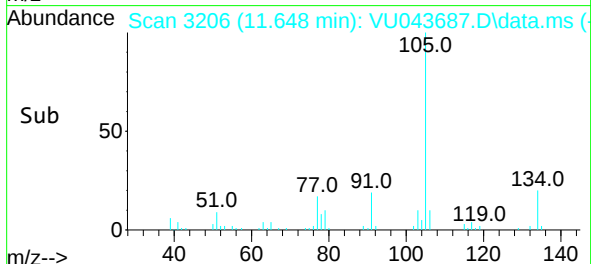
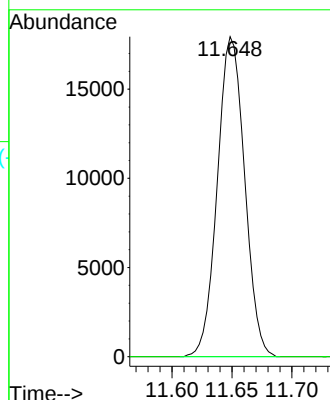
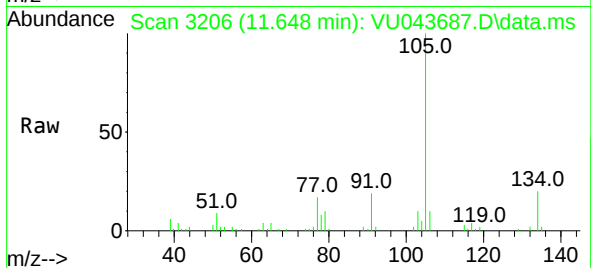
105 100

120 0.0 21.4 64.2#

Instrument :

MSVOA_U

ClientSampled :



#85

sec-Butylbenzene

Concen: 4.59 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. -0.004 min

Lab File: VU043687.D

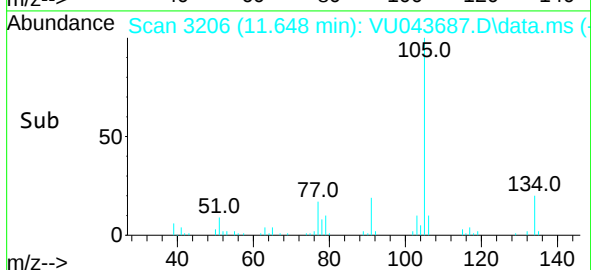
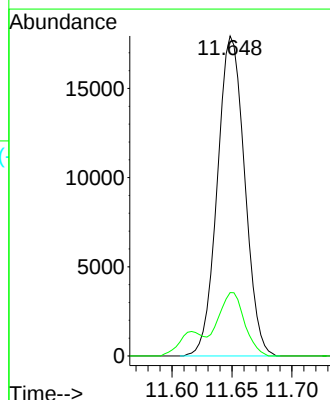
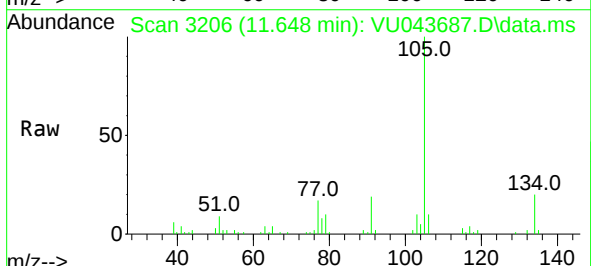
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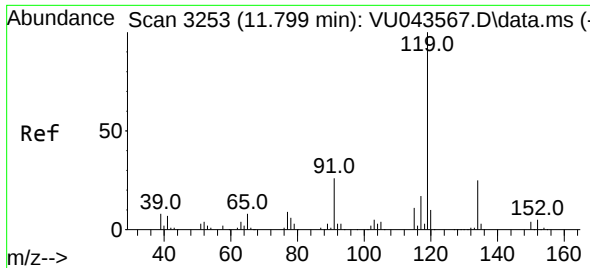
Tgt Ion:105 Resp: 28364

Ion Ratio Lower Upper

105 100

134 19.0 9.2 27.6

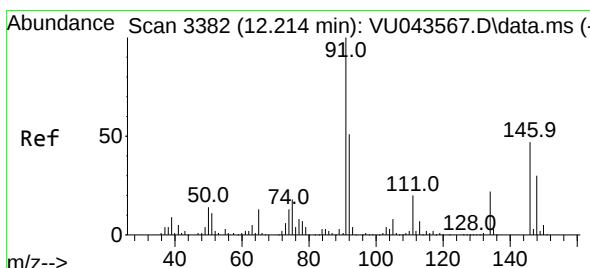
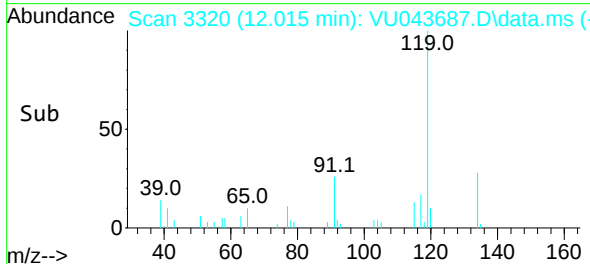
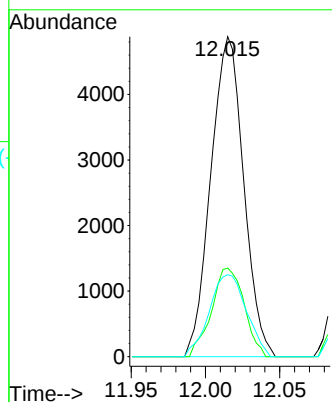
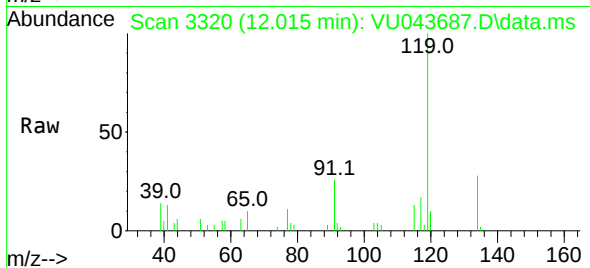




#86
p-Isopropyltoluene
Concen: 2.47 ug/l
RT: 12.015 min Scan# 3320
Delta R.T. 0.216 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

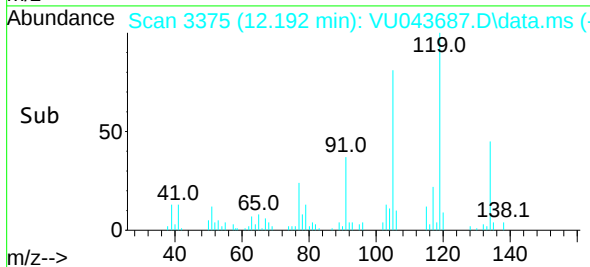
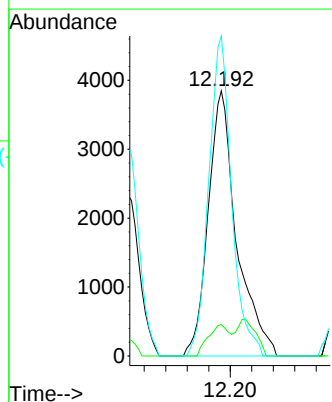
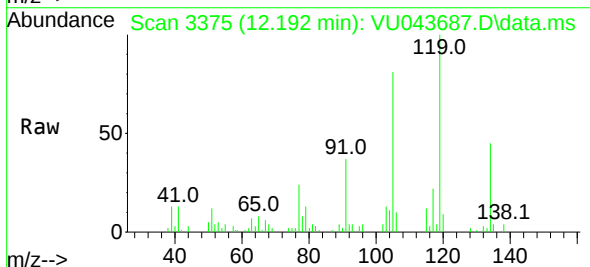
Instrument :
MSVOA_U
ClientSampleId :

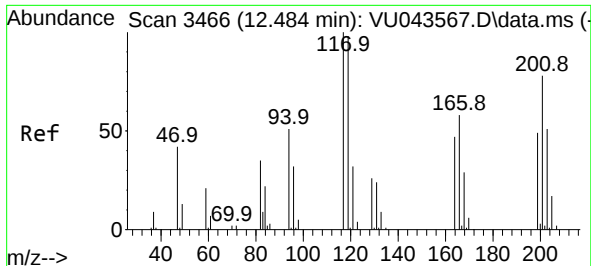
Tgt Ion:	119	Resp:	7494
Ion	Ratio	Lower	Upper
119	100		
134	27.5	12.7	38.0
91	29.0	13.3	39.9



#89
n-Butylbenzene
Concen: 3.46 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. -0.022 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion:	91	Resp:	7070
Ion	Ratio	Lower	Upper
91	100		
92	8.9	25.4	76.2#
134	96.9	11.3	33.9#

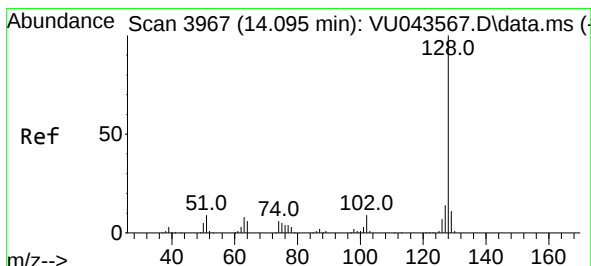
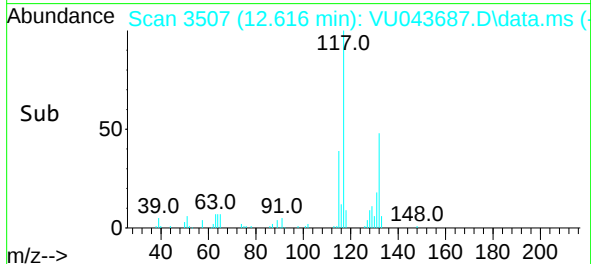
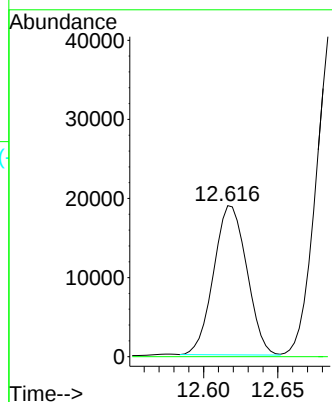
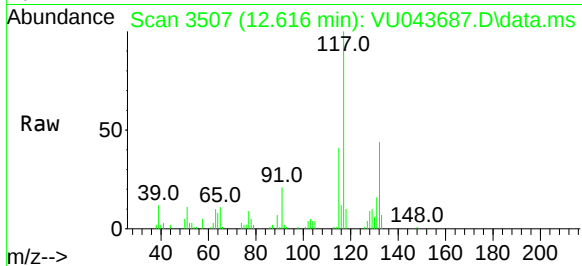




#90
Hexachloroethane
Concen: 27.98 ug/l
RT: 12.616 min Scan# 3507
Delta R.T. 0.132 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:117 Resp: 29280
Ion Ratio Lower Upper
117 100
201 0.0 38.6 115.7#



#95
Naphthalene
Concen: 1.71 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.006 min
Lab File: VU043687.D
Acq: 12 May 2021 18:57

Tgt Ion:128 Resp: 1705
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

