

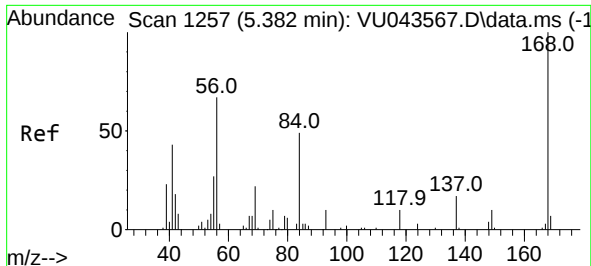
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043685.D
 Acq On : 12 May 2021 18:11
 Operator : SY/MD
 Sample : M2365-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:34:57 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	115762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	214547	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	205041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	92262	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	124196	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
35) Dibromofluoromethane	5.298	113	86648	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
50) Toluene-d8	7.906	98	299982	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	10.639	95	102339	44.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	777	0.68	ug/l #	85
11) Tert butyl alcohol	3.199	59	175	0.28	ug/l #	73
14) Allyl chloride	2.774	41	1567	0.47	ug/l #	78
16) Acetone	2.639	43	4479	3.44	ug/l	99
18) Methyl Acetate	2.781	43	3780	1.27	ug/l #	58
20) Methylene Chloride	3.057	84	424	0.23	ug/l	93
25) 2-Butanone	4.723	43	816	0.41	ug/l	95
31) Cyclohexane	5.379	56	3382	1.21	ug/l #	15
36) 1,1-Dichloropropene	5.382	75	10714	4.40	ug/l #	51
38) Carbon Tetrachloride	5.385	117	12914	5.23	ug/l #	17
51) 4-Methyl-2-Pentanone	7.903	43	1816	19.52	ug/l #	1
59) 2-Hexanone	8.697	43	44	20.72	ug/l #	30
67) Ethyl Benzene	9.423	91	372	1.49	ug/l #	45
73) Isopropylbenzene	10.494	105	2303	0.35	ug/l	99
76) 1,2,3-Trichloropropane	10.639	75	58450	19.92	ug/l #	42
78) n-propylbenzene	10.912	91	3626	0.45	ug/l	94
79) 2-Chlorotoluene	10.912	91	3626	0.72	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	58450	64.89	ug/l #	3
82) 4-Chlorotoluene	10.912	91	3626	0.63	ug/l #	48
84) 1,2,4-Trimethylbenzene	11.648	105	1082	1.28	ug/l #	33
85) sec-Butylbenzene	11.648	105	1082	1.48	ug/l	87
86) p-Isopropyltoluene	12.009	119	129	1.49	ug/l #	71
89) n-Butylbenzene	12.214	91	331	2.58	ug/l #	54
90) Hexachloroethane	12.581	117	294	0.32	ug/l #	11
95) Naphthalene	14.095	128	547	1.59	ug/l #	69

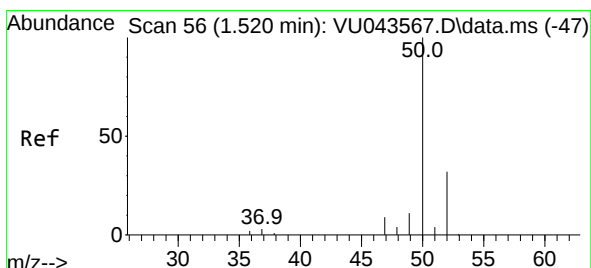
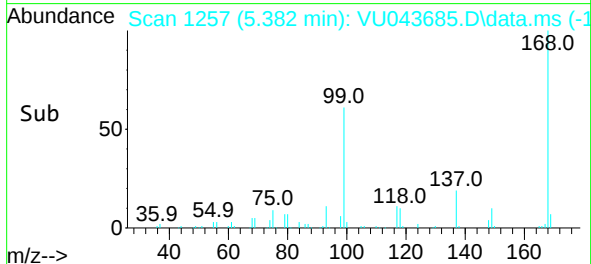
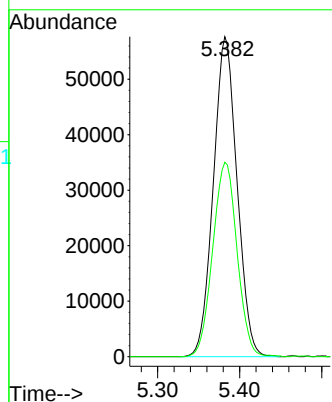
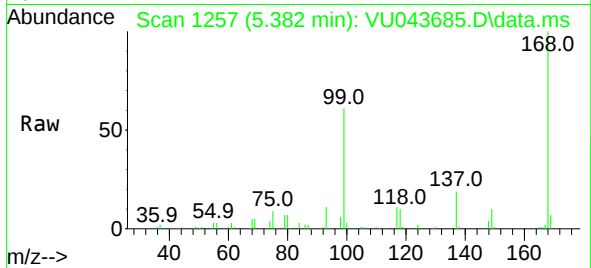
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

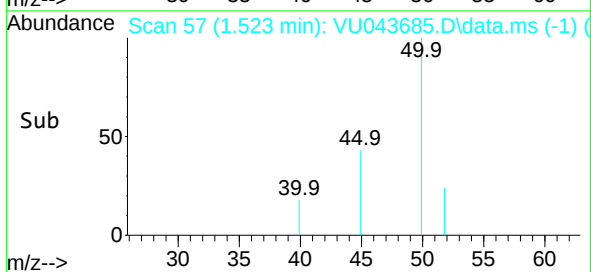
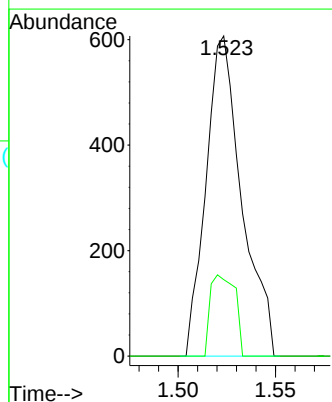
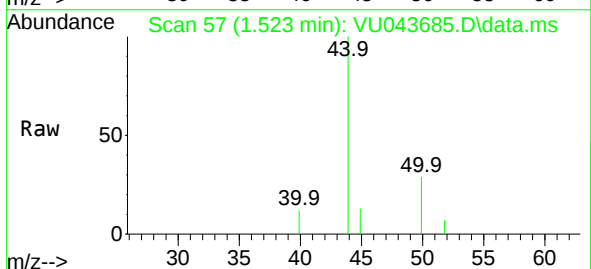
Instrument :
MSVOA_U
ClientSampleId :

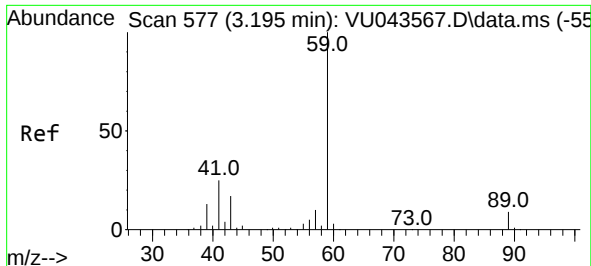
Tgt Ion:168 Resp: 115762
Ion Ratio Lower Upper
168 100
99 60.7 49.0 73.6



#3
Chloromethane
Concen: 0.68 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

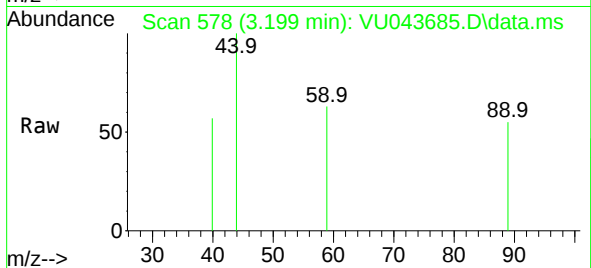
Tgt Ion: 50 Resp: 777
Ion Ratio Lower Upper
50 100
52 23.9 25.9 38.9#



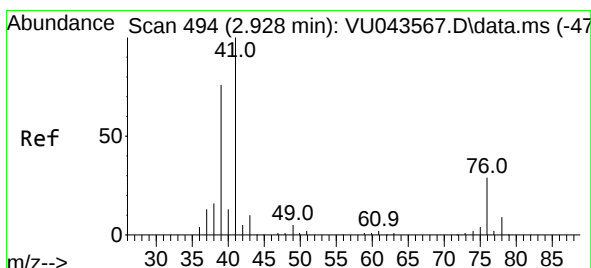
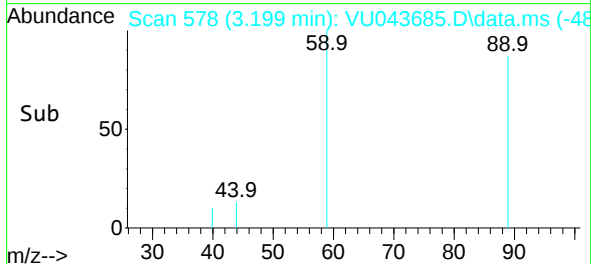
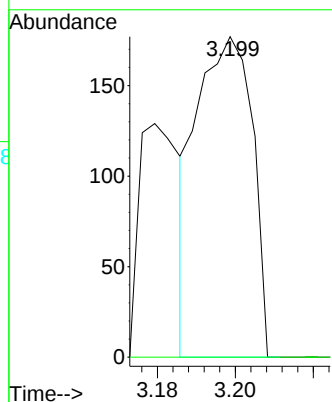


#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.199 min Scan# 578
Delta R.T. 0.003 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Instrument :
MSVOA_U
ClientSampled :

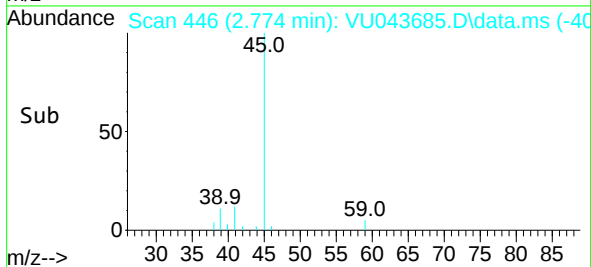
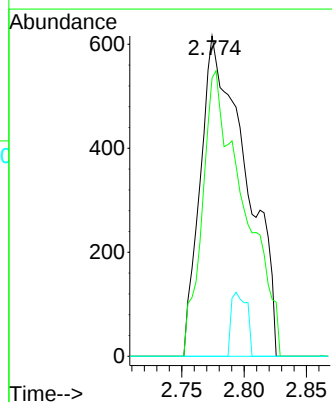
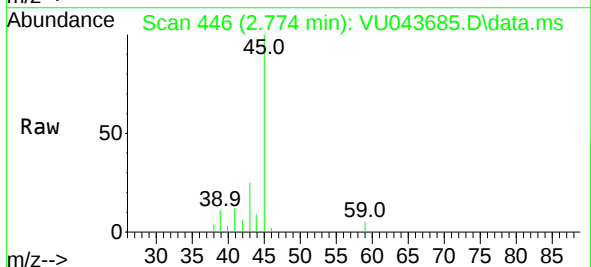


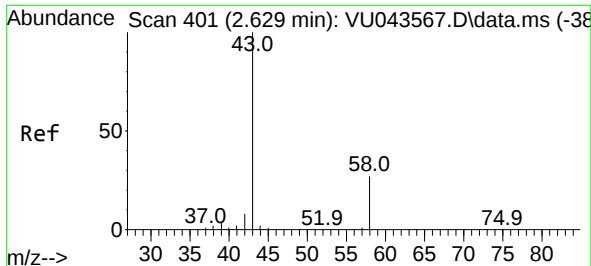
Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#14
Allyl chloride
Concen: 0.47 ug/l
RT: 2.774 min Scan# 446
Delta R.T. -0.154 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion: 41 Resp: 1567
Ion Ratio Lower Upper
41 100
39 81.4 54.5 81.7
76 6.8 19.9 29.9#

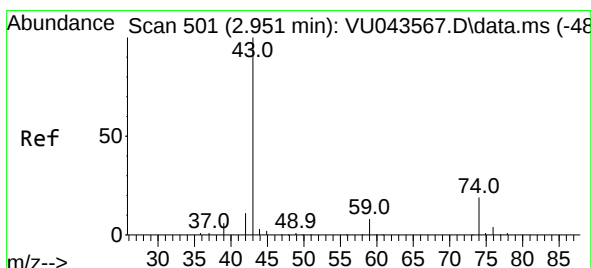
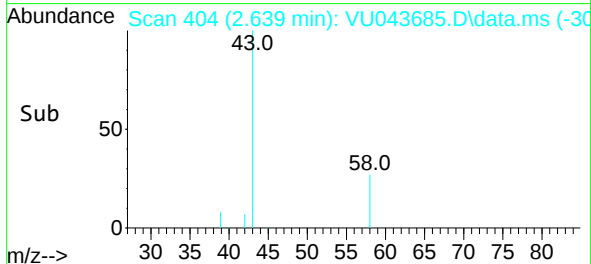
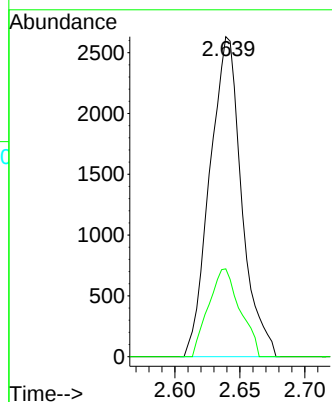
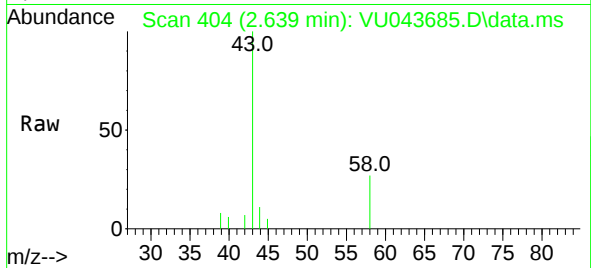




#16
Acetone
Concen: 3.44 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

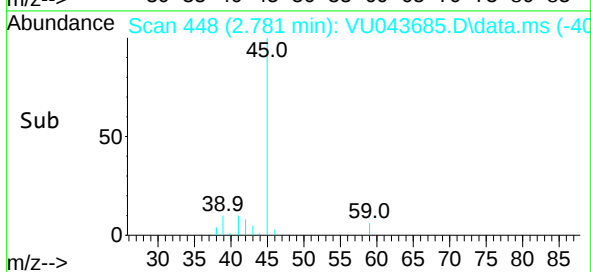
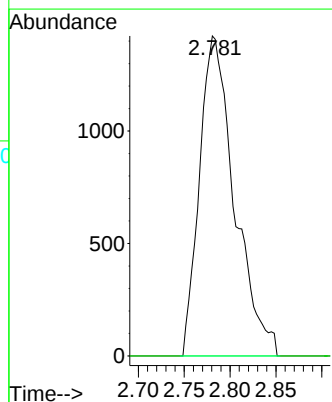
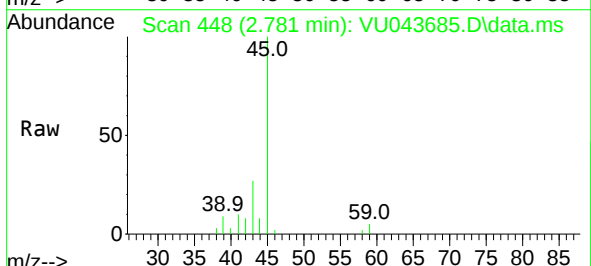
Instrument :
MSVOA_U
ClientSampled :

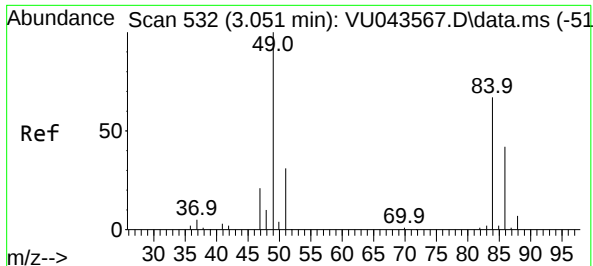
Tgt Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
58 27.5 21.7 32.5



#18
Methyl Acetate
Concen: 1.27 ug/l
RT: 2.781 min Scan# 448
Delta R.T. -0.170 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

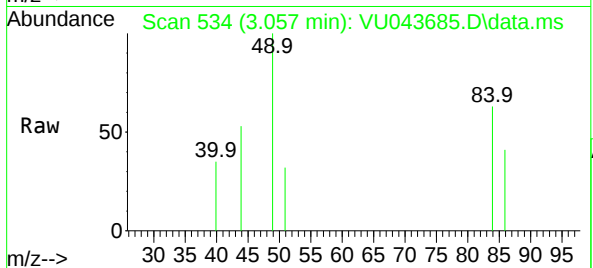
Tgt Ion: 43 Resp: 3780
Ion Ratio Lower Upper
43 100
74 0.0 15.3 22.9#





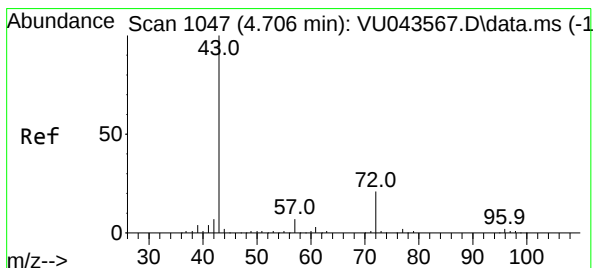
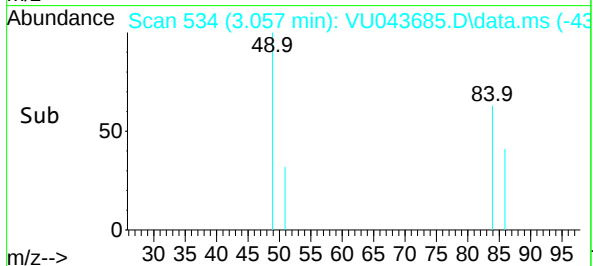
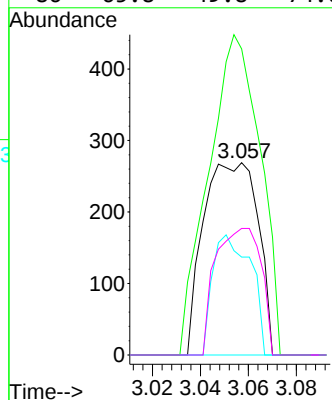
#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.007 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Instrument :
MSVOA_U
ClientSampleId :

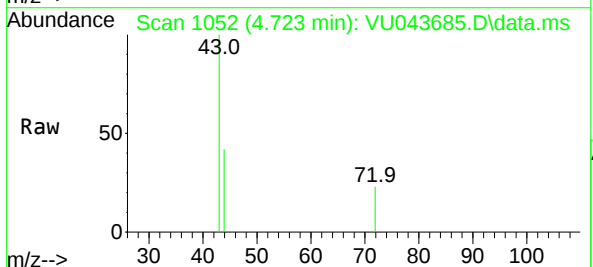


Tgt Ion: 84 Resp: 424

Ion	Ratio	Lower	Upper
84	100		
49	159.1	119.0	178.4
51	50.9	36.8	55.2
86	65.8	49.8	74.6

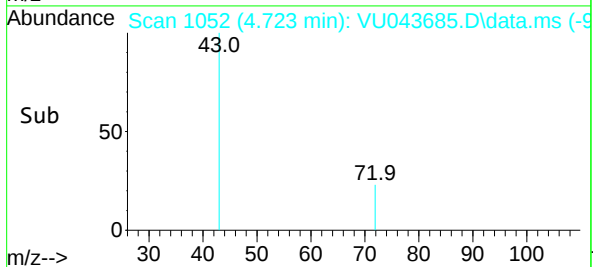
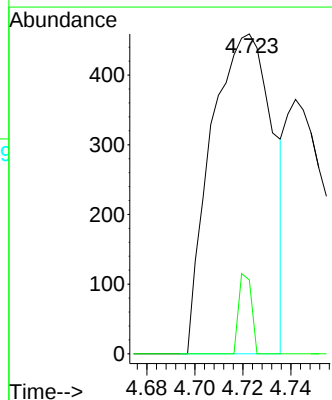


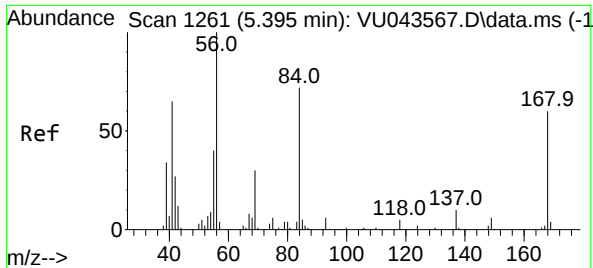
#25
2-Butanone
Concen: 0.41 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11



Tgt Ion: 43 Resp: 816

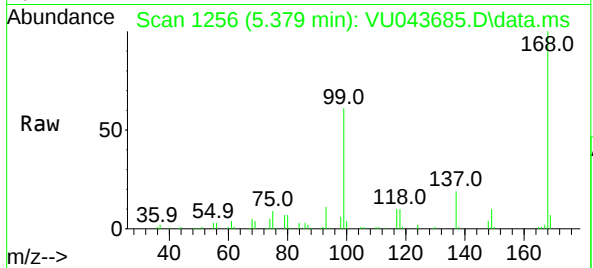
Ion	Ratio	Lower	Upper
43	100		
72	23.1	16.5	24.7



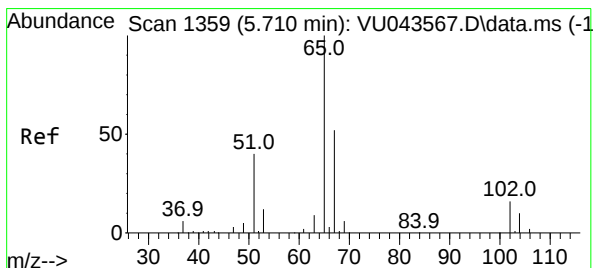
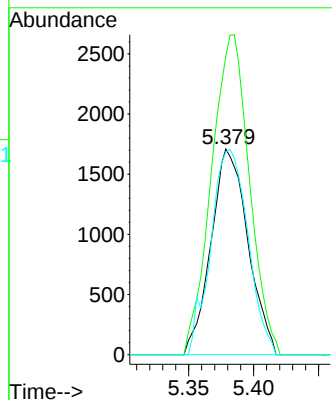
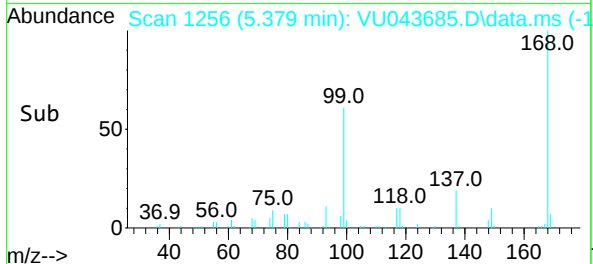


#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

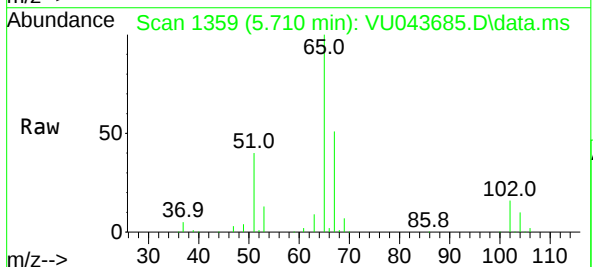
Instrument :
MSVOA_U
ClientSampleId :



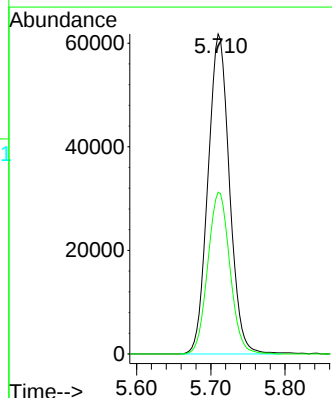
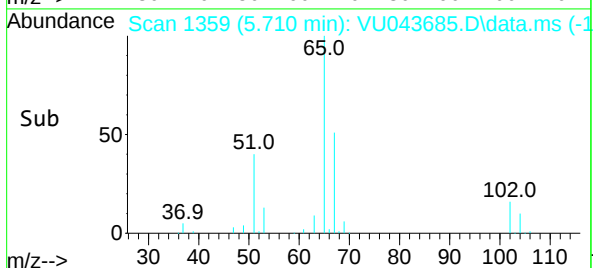
Tgt Ion: 56 Resp: 3382
Ion Ratio Lower Upper
56 100
69 145.1 23.9 35.9#
84 98.6 57.7 86.5#

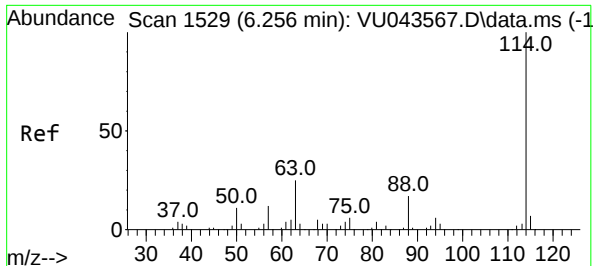


#33
1,2-Dichloroethane-d4
Concen: 51.87 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11



Tgt Ion: 65 Resp: 124196
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6

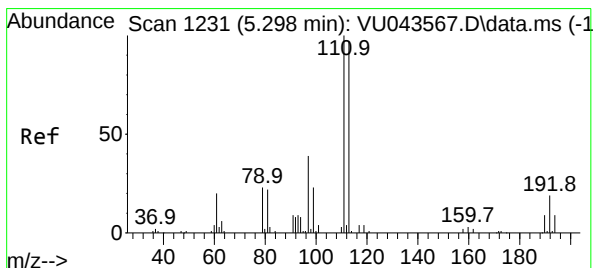
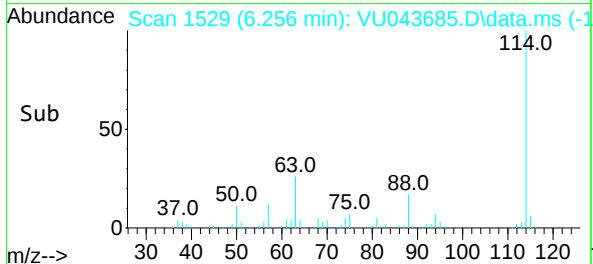
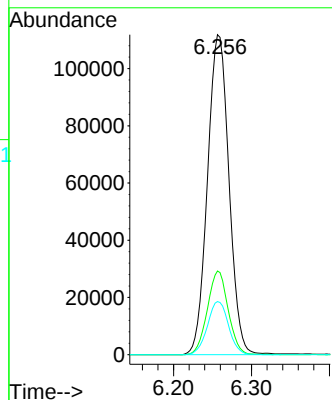
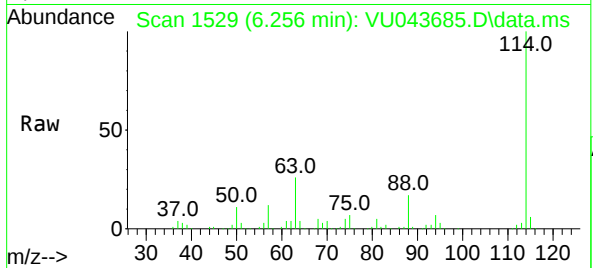




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

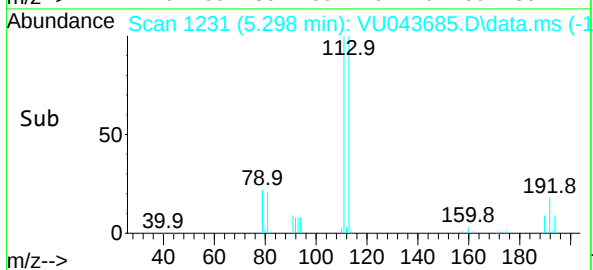
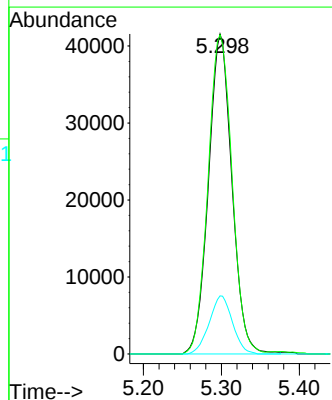
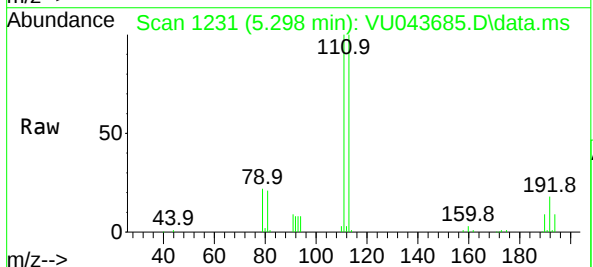
Instrument :
MSVOA_U
ClientSampled :

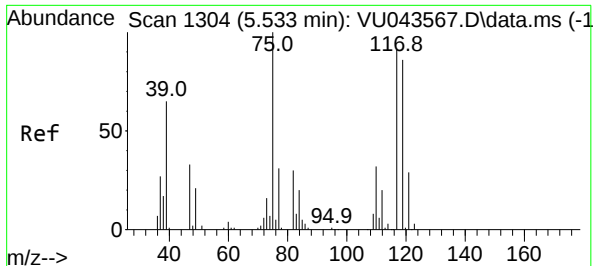
Tgt Ion:114 Resp: 214547
Ion Ratio Lower Upper
114 100
63 26.2 0.0 50.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.94 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

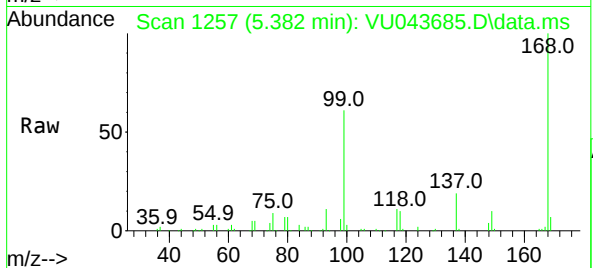
Tgt Ion:113 Resp: 86648
Ion Ratio Lower Upper
113 100
111 102.3 82.3 123.5
192 18.0 15.8 23.6



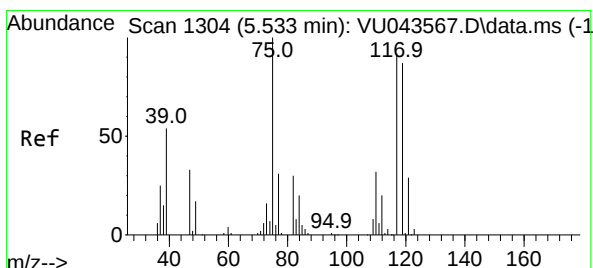
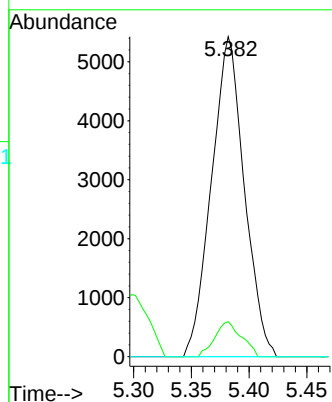
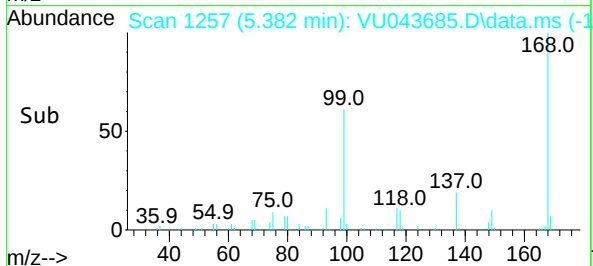


#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

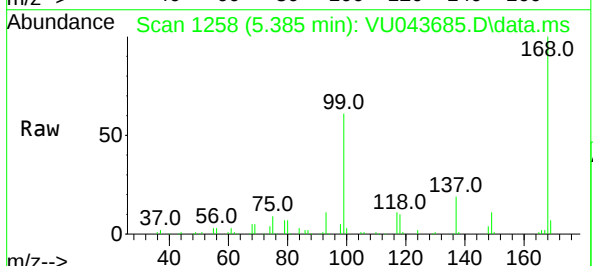
Instrument :
MSVOA_U
ClientSampleId :



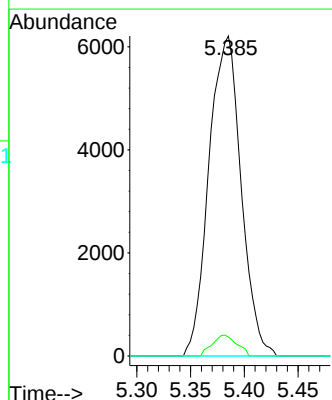
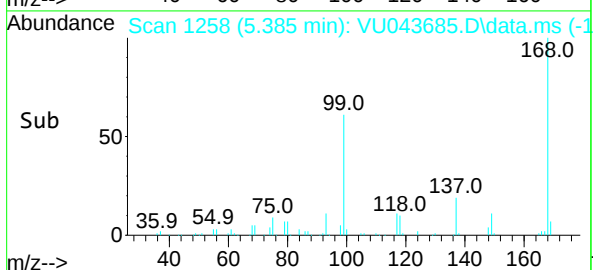
Tgt Ion: 75 Resp: 10714
Ion Ratio Lower Upper
75 100
110 8.9 16.2 48.5#
77 0.0 24.4 36.6#

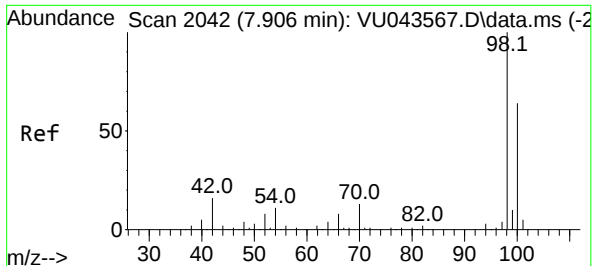


#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11



Tgt Ion: 117 Resp: 12914
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.0#
121 0.0 25.2 37.8#

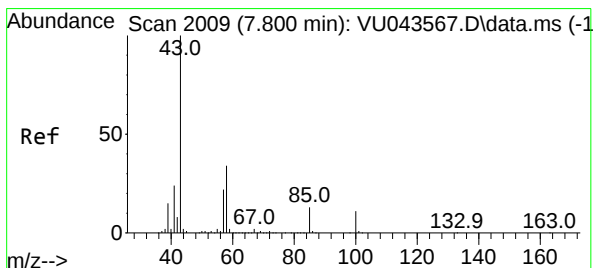
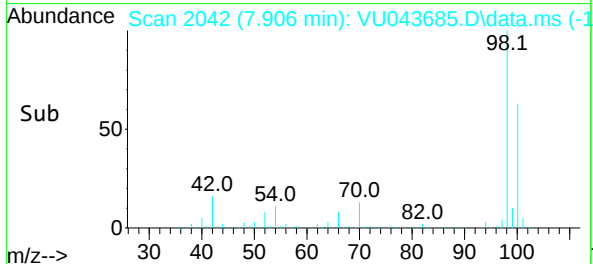
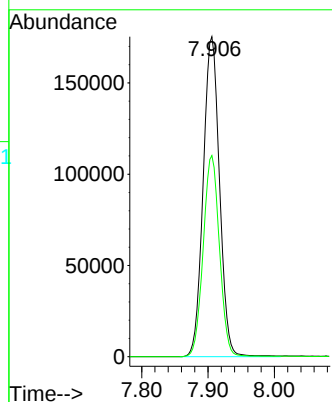
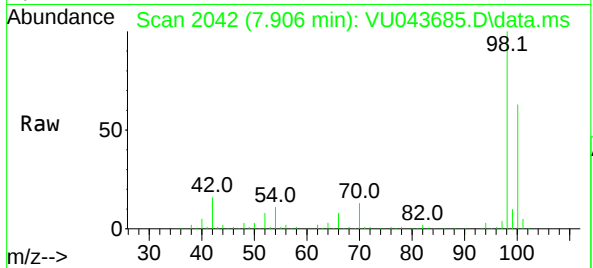




#50
Toluene-d8
Concen: 50.35 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

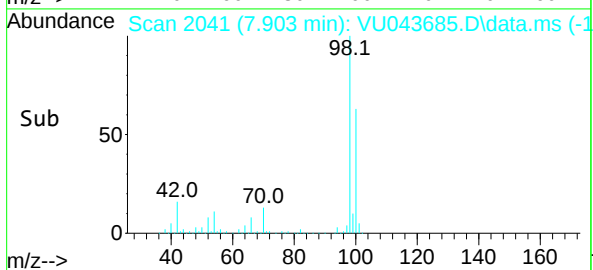
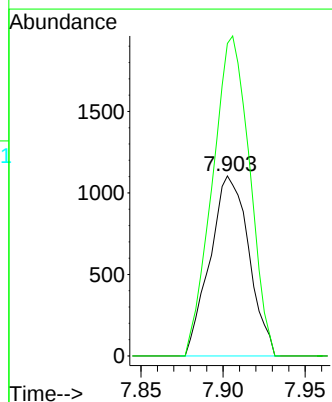
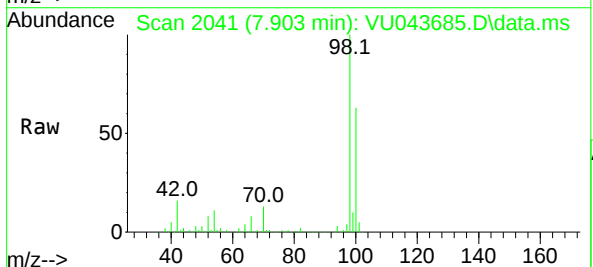
Instrument :
MSVOA_U
ClientSampled :

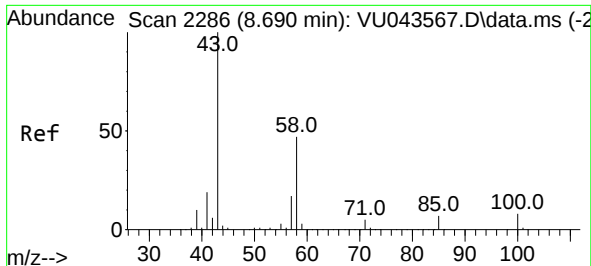
Tgt Ion: 98 Resp: 299982
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.52 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
58 169.8 27.2 40.8#

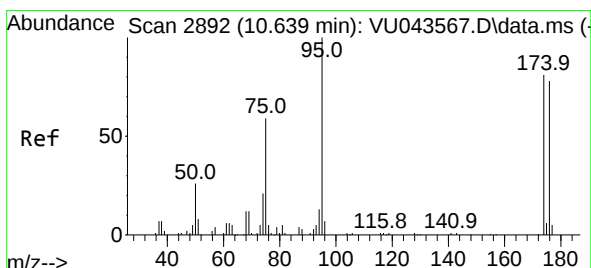
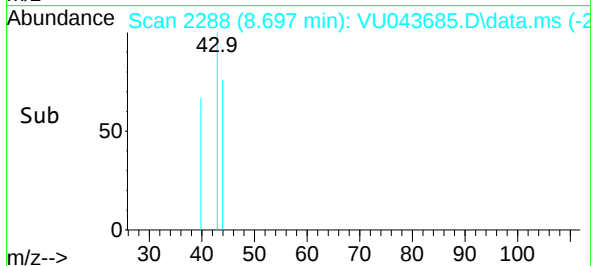
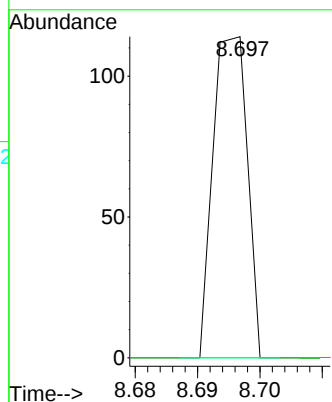
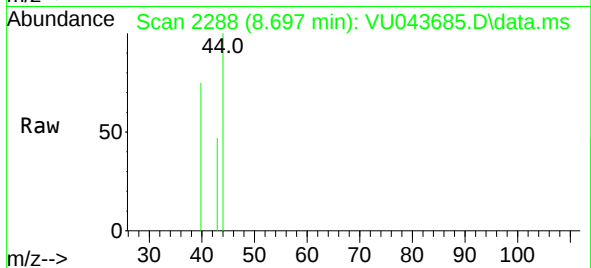




#59
2-Hexanone
Concen: 20.72 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.007 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

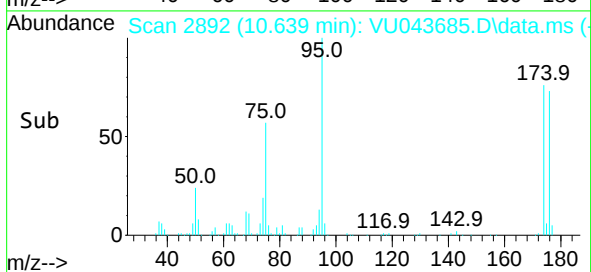
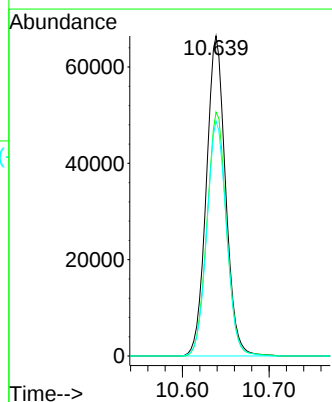
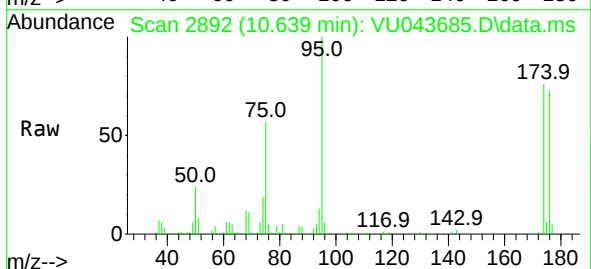
Instrument :
MSVOA_U
ClientSampled :

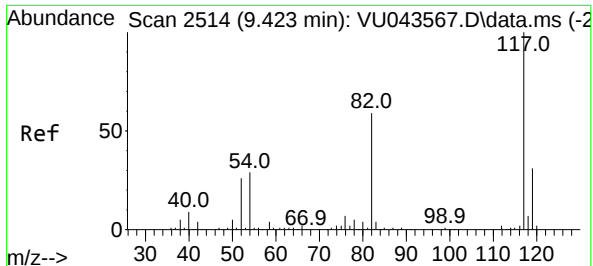
Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: 44.08 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion: 95 Resp: 102339
Ion Ratio Lower Upper
95 100
174 77.4 0.0 158.8
176 75.0 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: VU043685.D

Acq: 12 May 2021 18:11

Tgt Ion:117 Resp: 205041

Ion Ratio Lower Upper

117 100

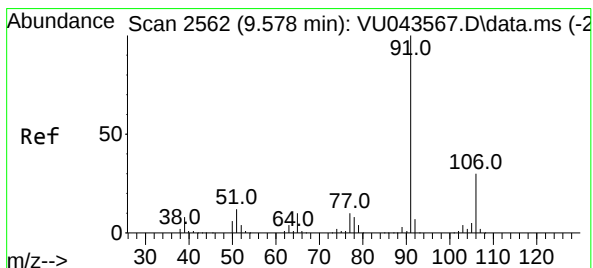
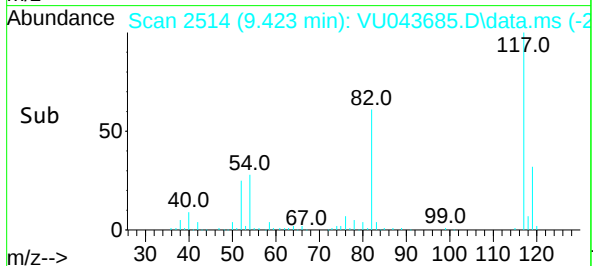
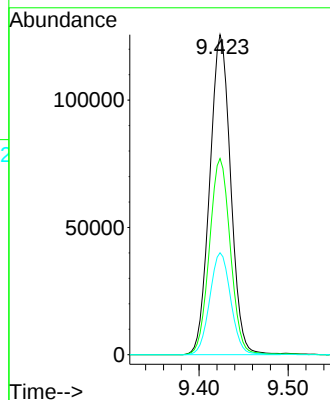
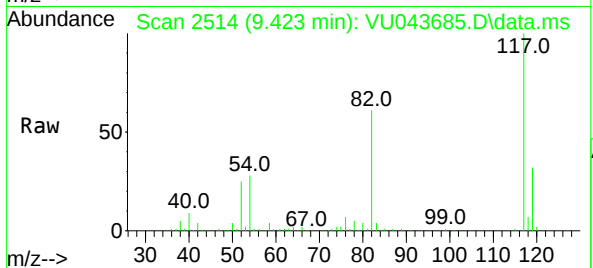
82 61.3 47.5 71.3

119 31.8 24.7 37.1

Instrument :

MSVOA_U

ClientSampleId :



#67

Ethyl Benzene

Concen: 1.49 ug/l

RT: 9.423 min Scan# 2514

Delta R.T. -0.155 min

Lab File: VU043685.D

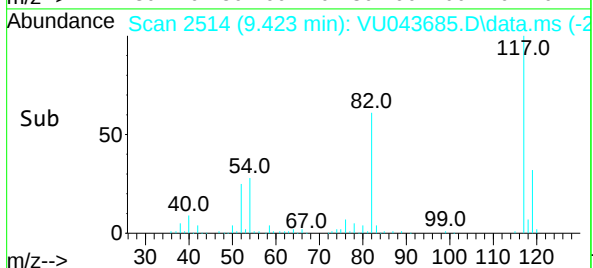
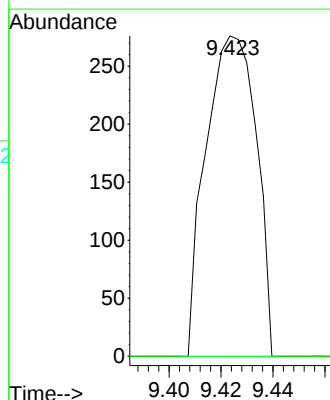
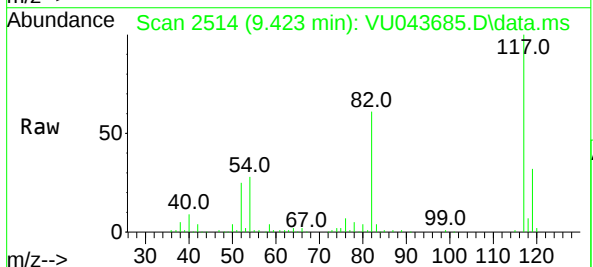
Acq: 12 May 2021 18:11

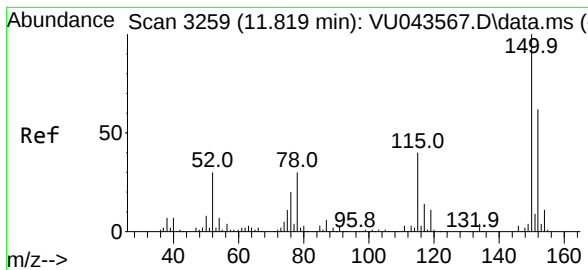
Tgt Ion: 91 Resp: 372

Ion Ratio Lower Upper

91 100

106 0.0 24.0 36.0#

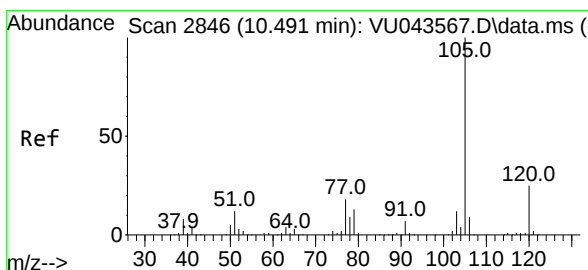
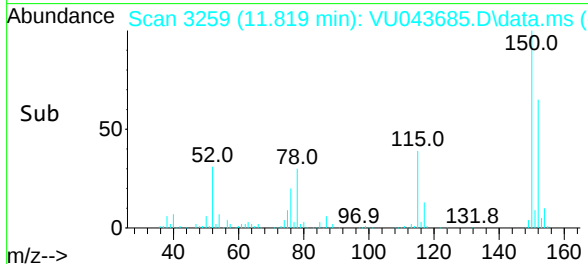
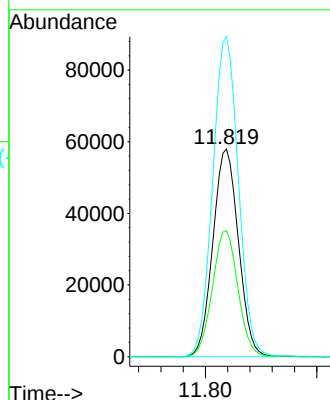
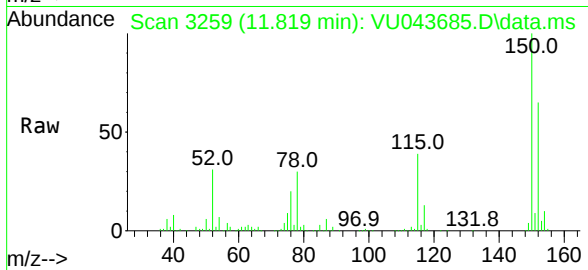




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

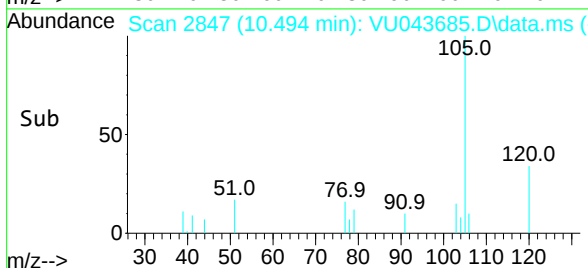
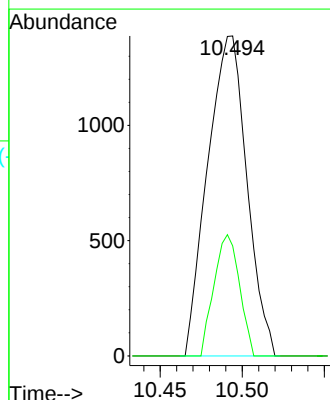
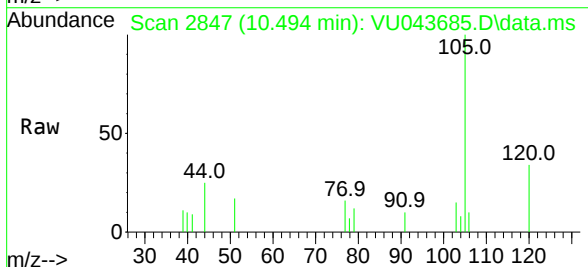
Instrument :
MSVOA_U
ClientSampleId :

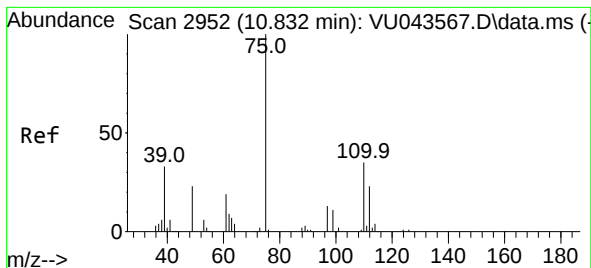
Tgt Ion:152 Resp: 92262
Ion Ratio Lower Upper
152 100
115 60.8 46.1 138.3
150 155.4 0.0 361.0



#73
Isopropylbenzene
Concen: 0.35 ug/l
RT: 10.494 min Scan# 2847
Delta R.T. 0.003 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion:105 Resp: 2303
Ion Ratio Lower Upper
105 100
120 24.5 12.6 37.6

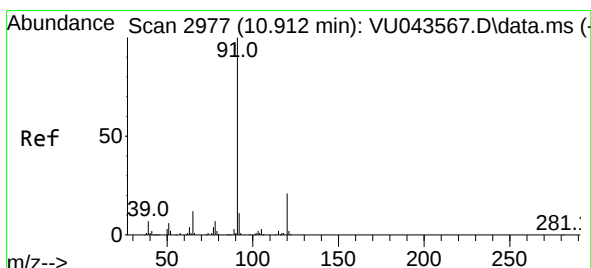
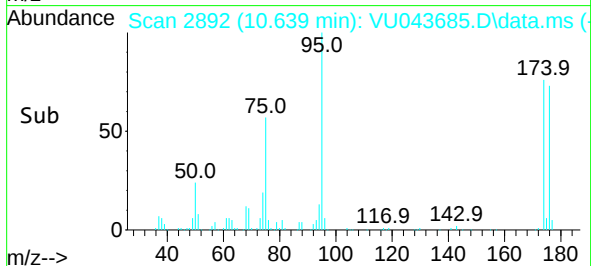
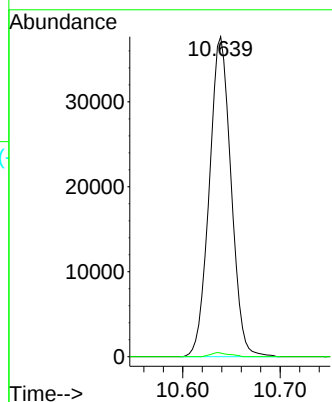
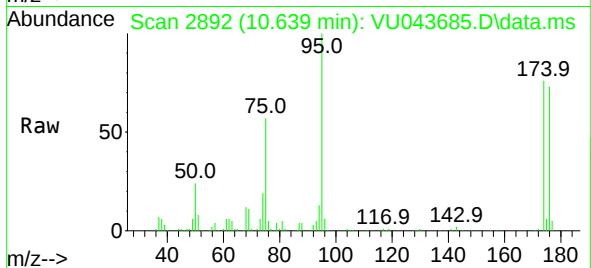




#76
1,2,3-Trichloropropane
Concen: 19.92 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

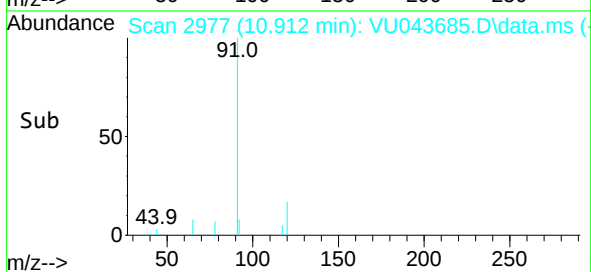
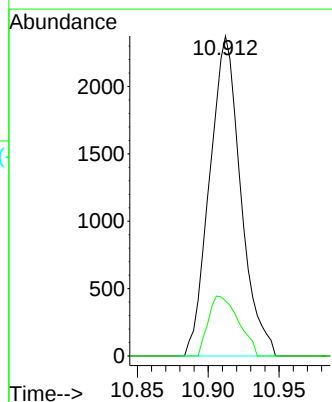
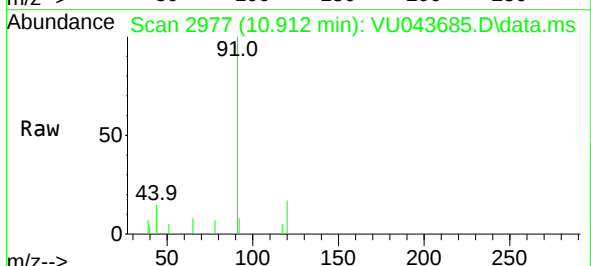
Instrument :
MSVOA_U
ClientSampleId :

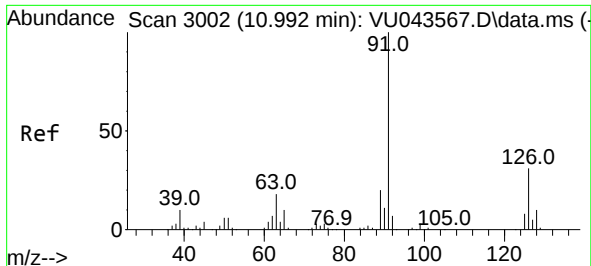
Tgt Ion: 75 Resp: 58450
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#78
n-propylbenzene
Concen: 0.45 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion: 91 Resp: 3626
Ion Ratio Lower Upper
91 100
120 18.1 10.4 31.2

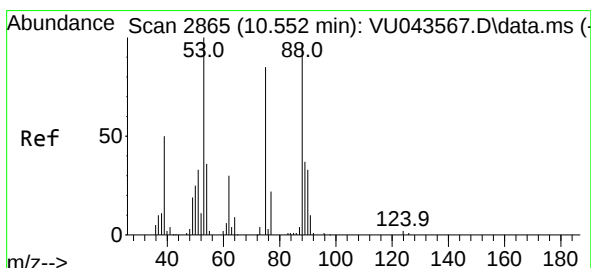
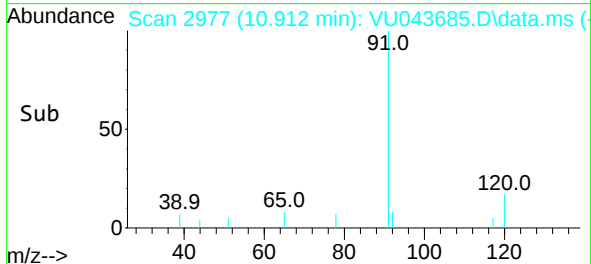
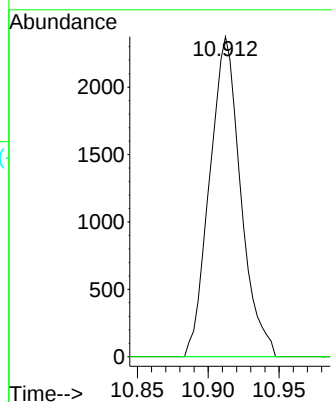
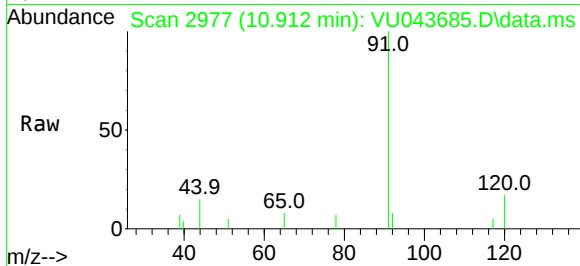




#79
2-Chlorotoluene
Concen: 0.72 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.080 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

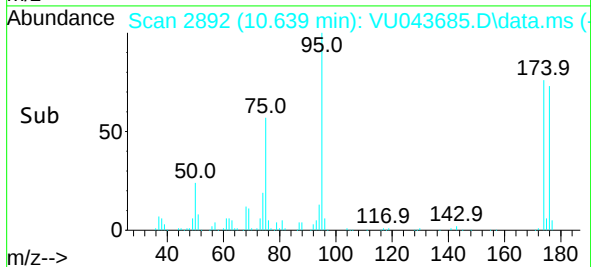
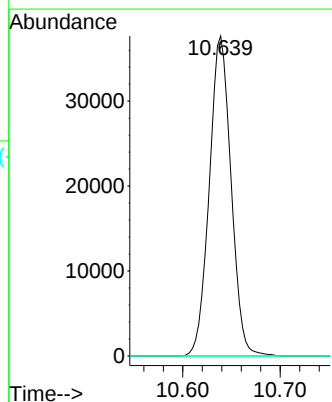
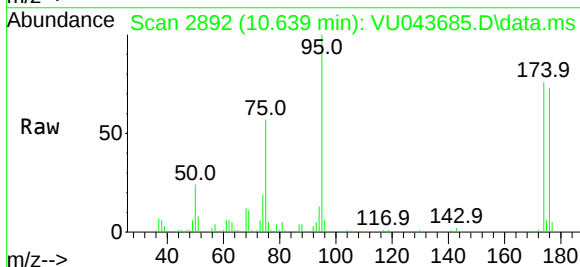
Instrument :
MSVOA_U
ClientSampled :

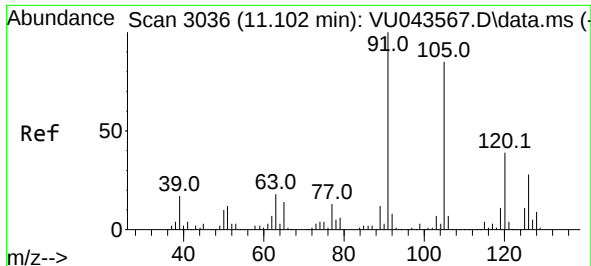
Tgt Ion: 91 Resp: 3626
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.89 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion: 75 Resp: 58450
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

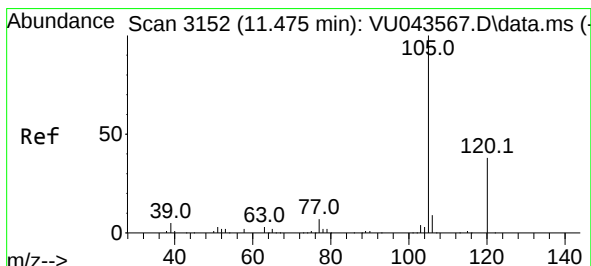
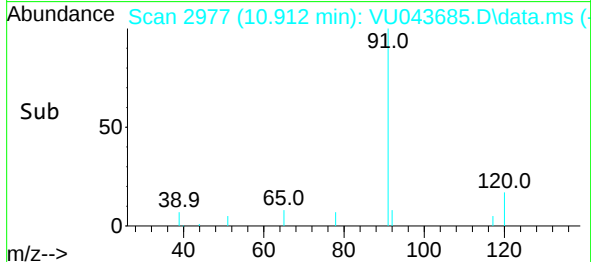
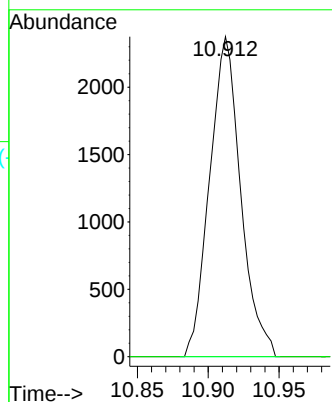
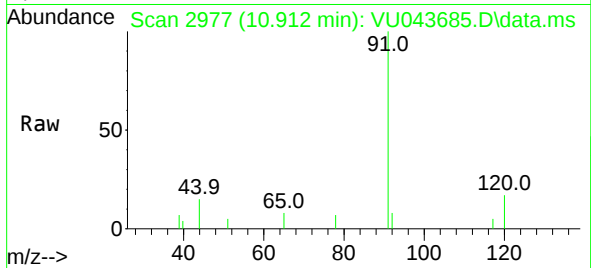




#82
4-Chlorotoluene
Concen: 0.63 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.190 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

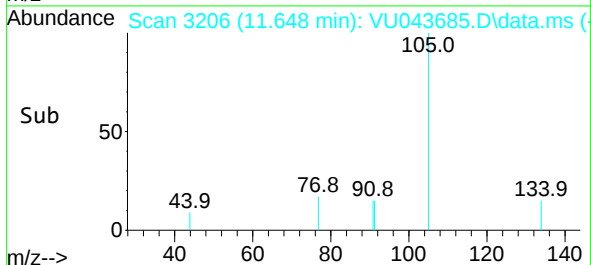
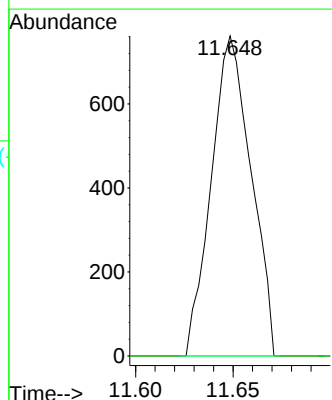
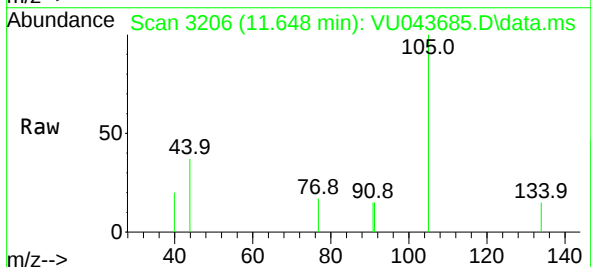
Instrument :
MSVOA_U
ClientSampled :

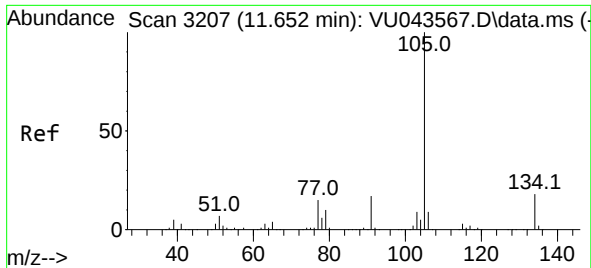
Tgt Ion: 91 Resp: 3626
Ion Ratio Lower Upper
91 100
126 0.0 13.7 41.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.28 ug/l
RT: 11.648 min Scan# 3206
Delta R.T. 0.173 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Tgt Ion: 105 Resp: 1082
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#

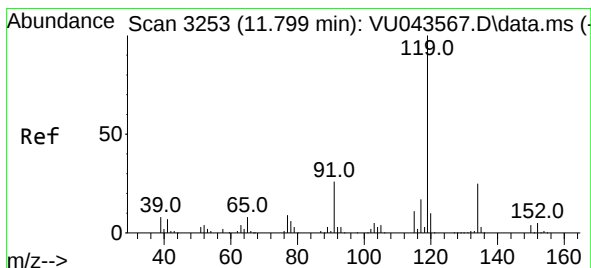
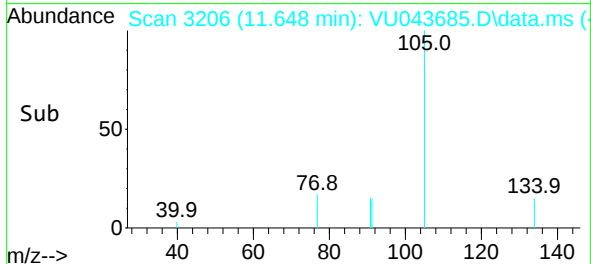
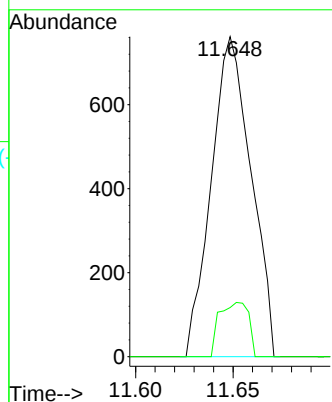
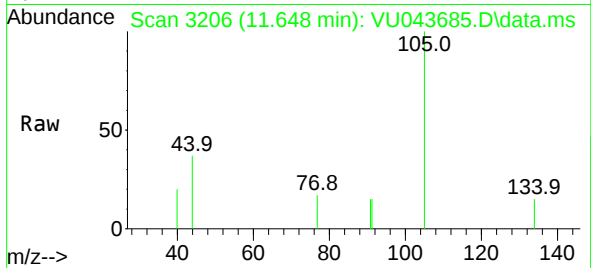




#85
 sec-Butylbenzene
 Concen: 1.48 ug/l
 RT: 11.648 min Scan# 3206
 Delta R.T. -0.004 min
 Lab File: VU043685.D
 Acq: 12 May 2021 18:11

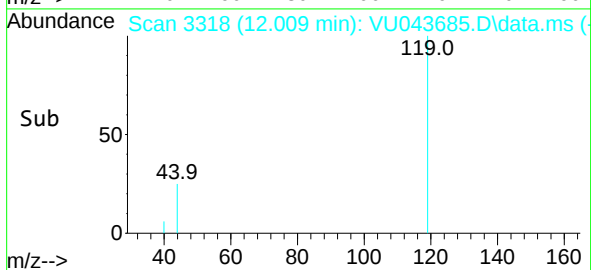
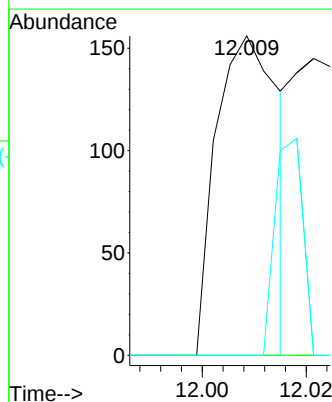
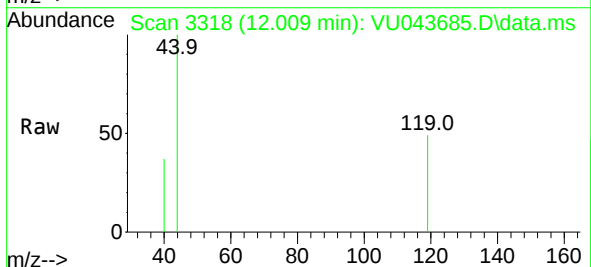
Instrument :
 MSVOA_U
 ClientSampleId :

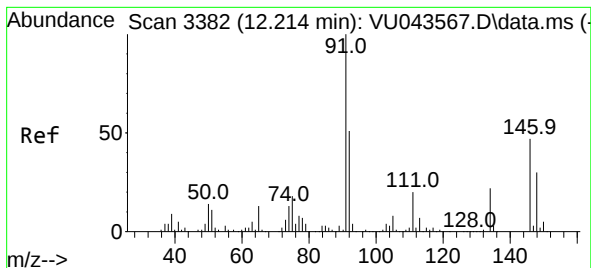
Tgt Ion:105 Resp: 1082
 Ion Ratio Lower Upper
 105 100
 134 12.4 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 1.49 ug/l
 RT: 12.009 min Scan# 3318
 Delta R.T. 0.210 min
 Lab File: VU043685.D
 Acq: 12 May 2021 18:11

Tgt Ion:119 Resp: 129
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.7 38.0#
 91 31.0 13.3 39.9

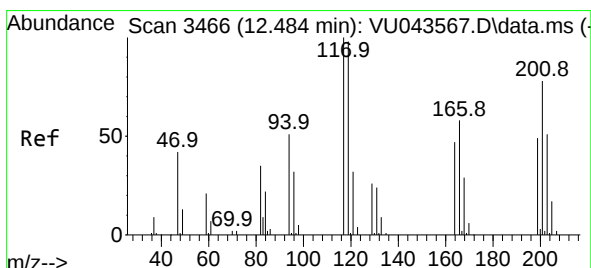
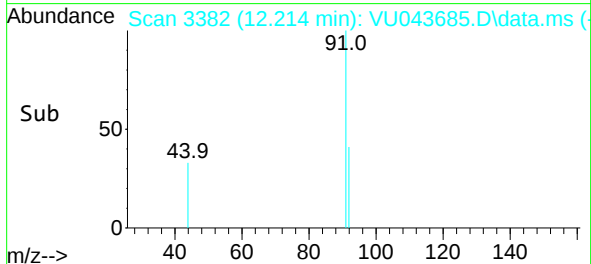
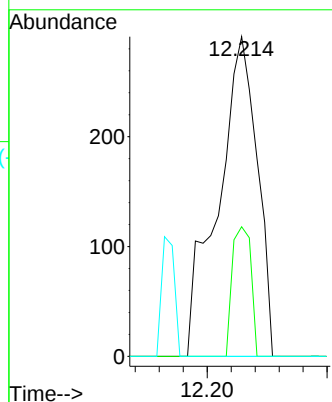
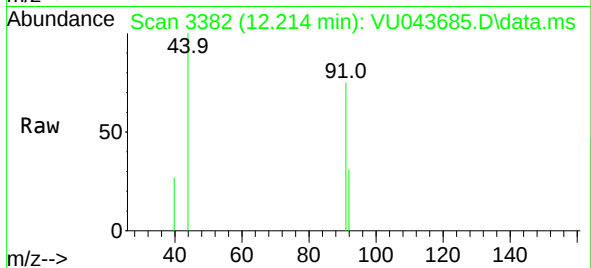




#89
n-Butylbenzene
Concen: 2.58 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

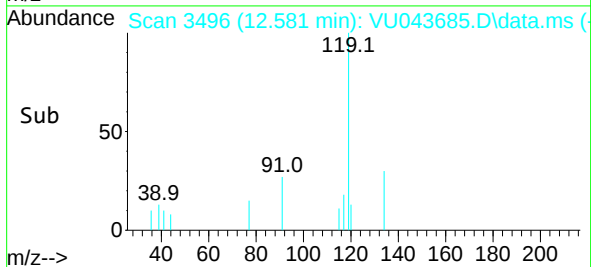
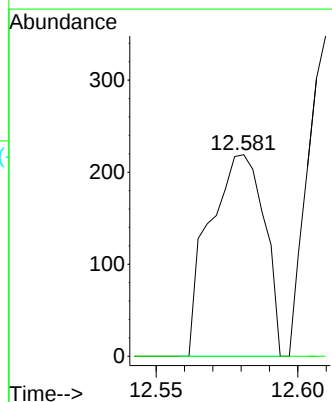
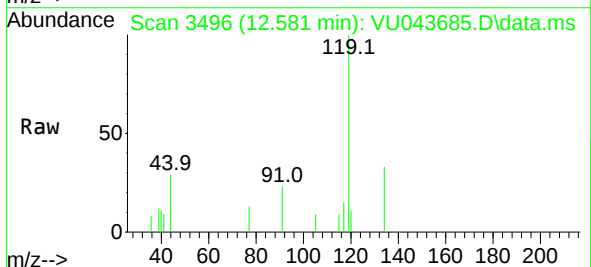
Instrument :
MSVOA_U
ClientSampled :

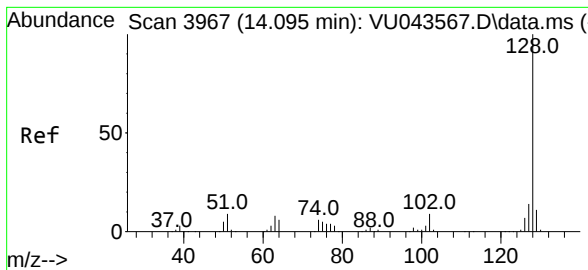
Tgt Ion: 91 Resp: 331
Ion Ratio Lower Upper
91 100
92 19.3 25.4 76.2#
134 0.0 11.3 33.9#



#90
Hexachloroethane
Concen: 0.32 ug/l
RT: 12.581 min Scan# 3496
Delta R.T. 0.097 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

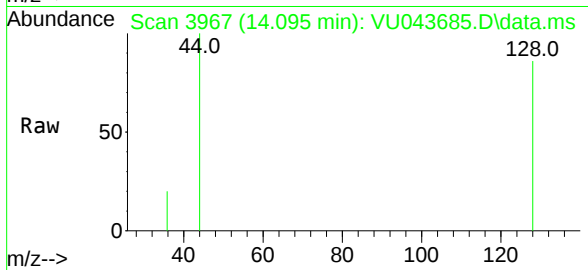
Tgt Ion: 117 Resp: 294
Ion Ratio Lower Upper
117 100
201 0.0 38.6 115.7#





#95
Naphthalene
Concen: 1.59 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU043685.D
Acq: 12 May 2021 18:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 547
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

