

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110421\
 Data File : VU045542.D
 Acq On : 03 Nov 2021 23:59
 Operator : SY/MD
 Sample : M4470-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 13:57:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

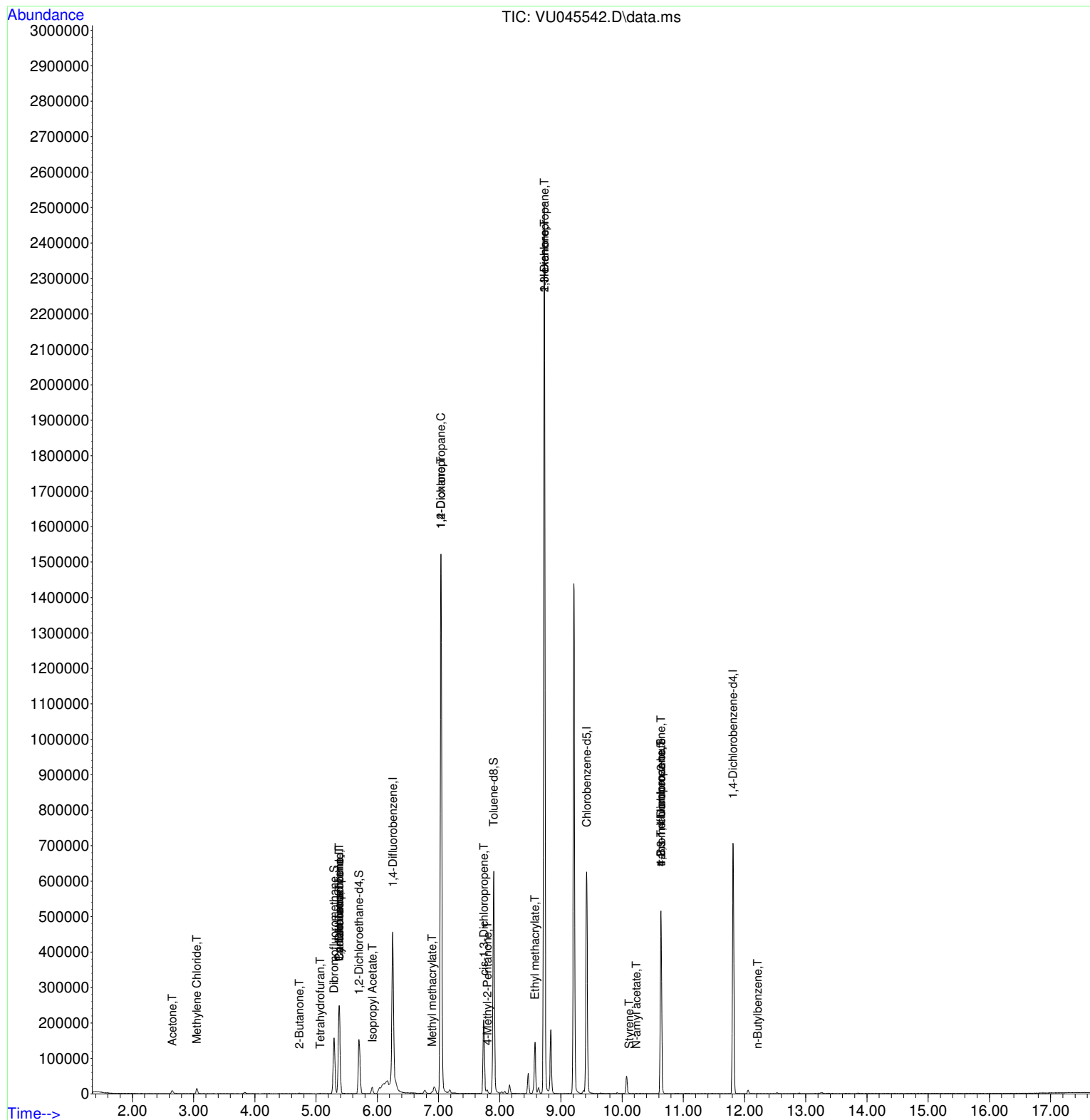
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	174699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	345160	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	352936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	177087	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	112588	39.59	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 79.18%			
35) Dibromofluoromethane	5.295	113	102217	46.57	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.14%			
50) Toluene-d8	7.902	98	418178	48.59	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.18%			
62) 4-Bromofluorobenzene	10.635	95	181613	55.38	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.76%			
Target Compounds						
					Qvalue	
16) Acetone	2.649	43	14529	11.25	ug/l #	83
20) Methylene Chloride	3.051	84	8094	3.15	ug/l	91
25) 2-Butanone	4.723	43	3984	2.04	ug/l	95
29) Tetrahydrofuran	5.067	42	888	0.70	ug/l #	55
31) Cyclohexane	5.378	56	3332	0.79	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	13438	4.09	ug/l #	50
38) Carbon Tetrachloride	5.375	117	16364	5.71	ug/l #	15
43) Isopropyl Acetate	5.919	43	19526	3.26	ug/l	96
45) 1,2-Dichloropropane	7.038	63	1916	0.74	ug/l #	43
48) Methyl methacrylate	6.896	41	6776	2.38	ug/l #	13
49) 1,4-Dioxane	7.038	88	173	2.39	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	6659	1.72	ug/l	100
54) cis-1,3-Dichloropropene	7.738	75	42693	10.49	ug/l #	56
56) Ethyl methacrylate	8.574	69	789	1.81	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	26105	5.99	ug/l #	43
59) 2-Hexanone	8.729	43	318084	105.92	ug/l #	49
70) Styrene	10.111	104	91	0.99	ug/l #	74
74) N-amyl acetate	10.234	43	566	1.24	ug/l #	40
76) 1,2,3-Trichloropropane	10.635	75	89371	18.94	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	89371	52.76	ug/l #	12
89) n-Butylbenzene	12.214	91	292	0.96	ug/l #	47

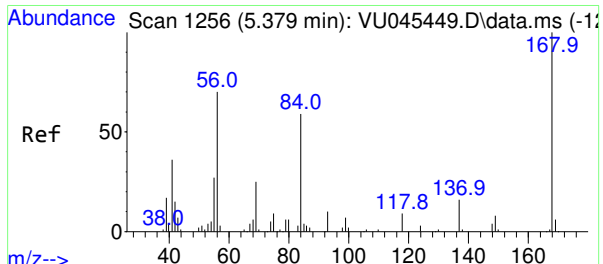
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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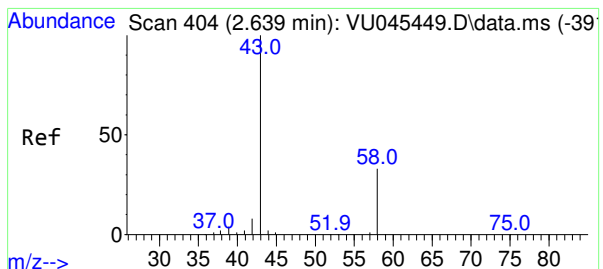
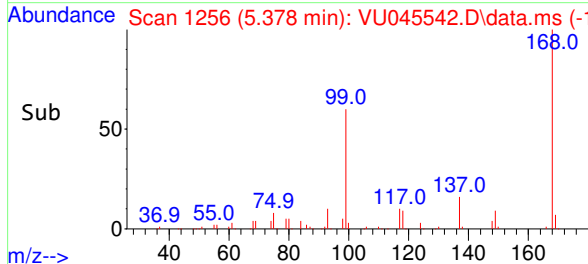
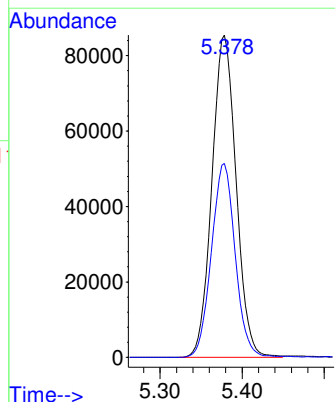
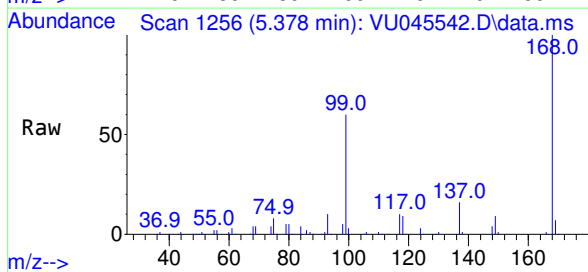




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.378 min Scan# 1
Delta R.T. -0.001 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

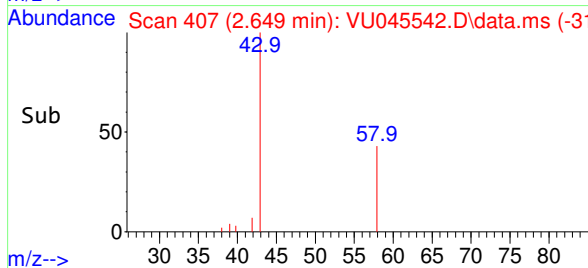
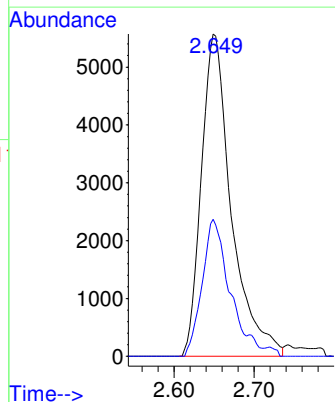
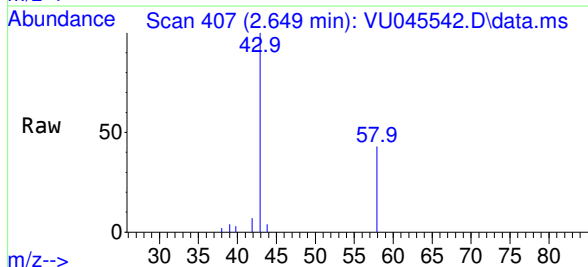
Instrument :
MSVOA_U
ClientSampleId :

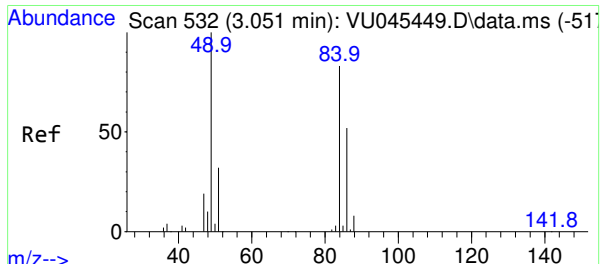
Tgt Ion:168 Resp: 174699
Ion Ratio Lower Upper
168 100
99 60.2 51.0 76.6



#16
Acetone
Concen: 11.25 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.010 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

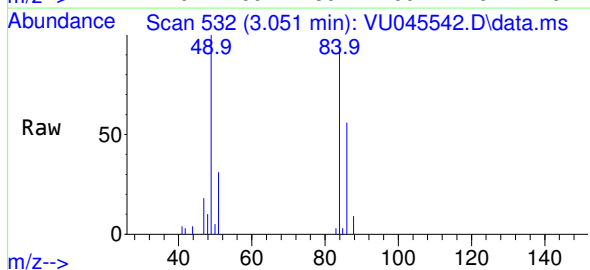
Tgt Ion: 43 Resp: 14529
Ion Ratio Lower Upper
43 100
58 42.5 26.2 39.2#





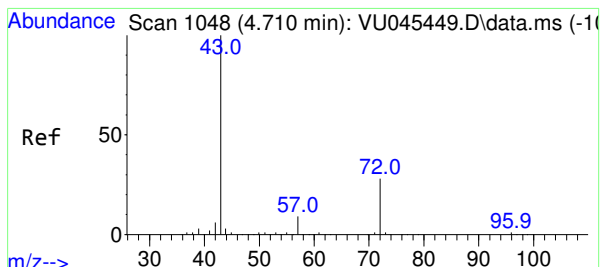
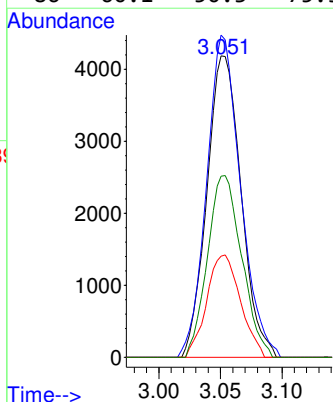
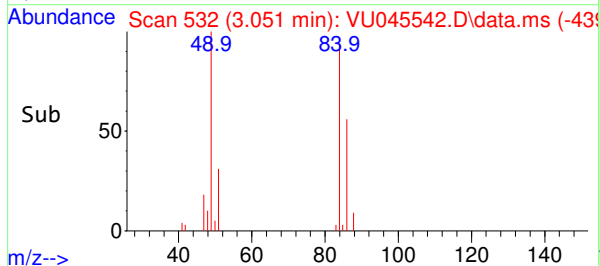
#20
Methylene Chloride
Concen: 3.15 ug/l
RT: 3.051 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 8094

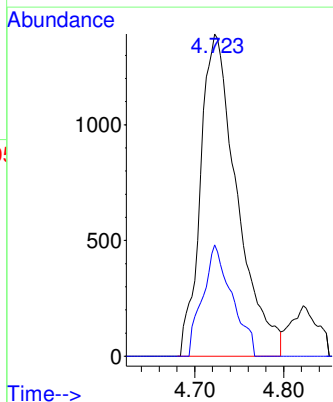
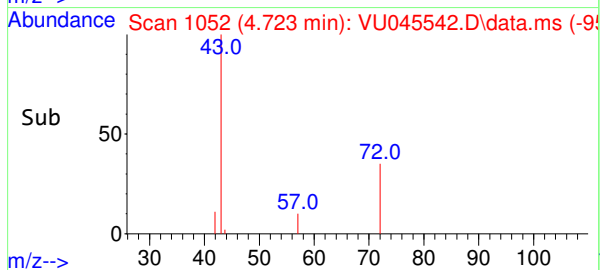
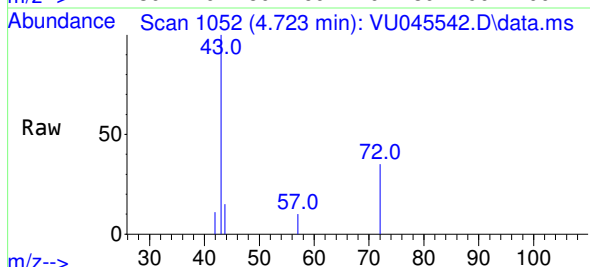
Ion	Ratio	Lower	Upper
84	100		
49	106.9	96.4	144.6
51	33.6	30.5	45.7
86	60.1	50.3	75.5

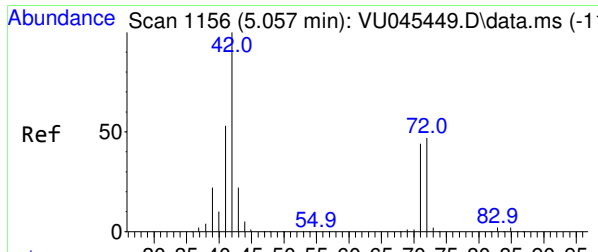


#25
2-Butanone
Concen: 2.04 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 43 Resp: 3984

Ion	Ratio	Lower	Upper
43	100		
72	30.1	22.0	33.0

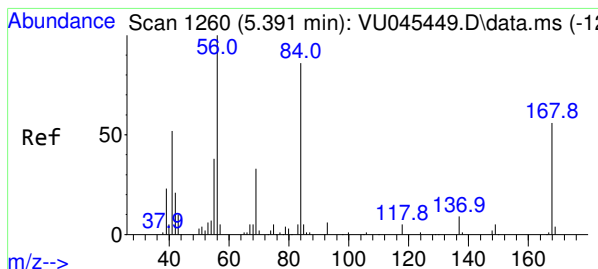
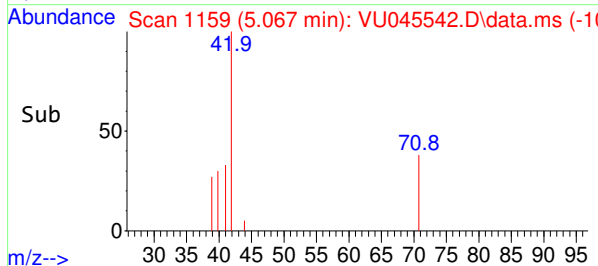
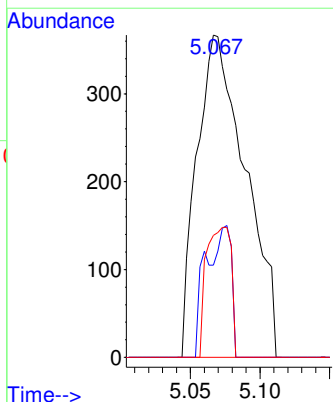
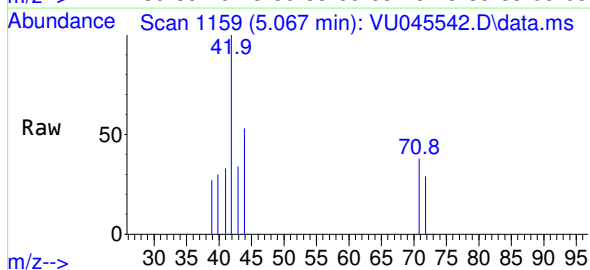




#29
Tetrahydrofuran
Concen: 0.70 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

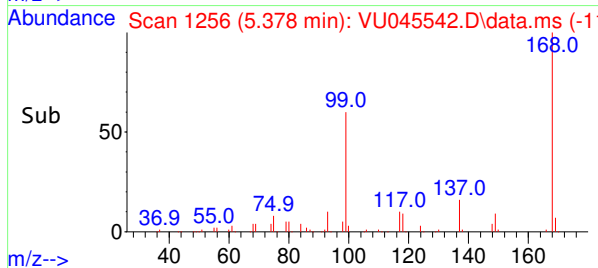
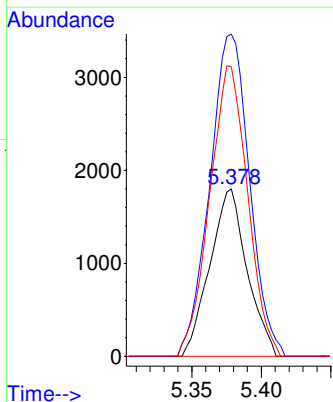
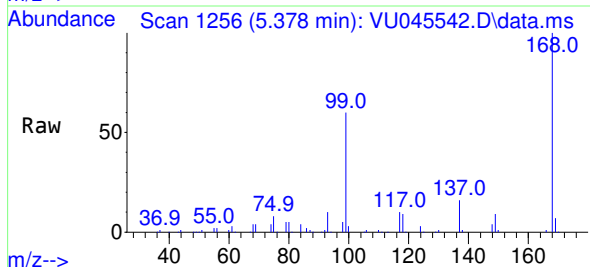
Instrument :
MSVOA_U
ClientSampleId :

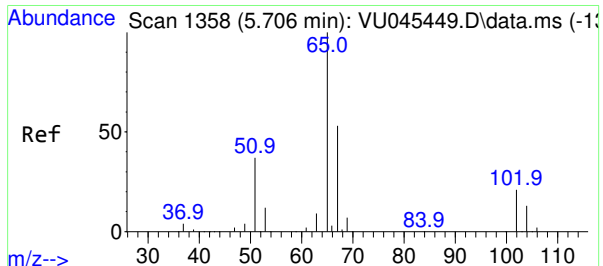
Tgt Ion:	42	Resp:	888
Ion	Ratio	Lower	Upper
42	100		
72	11.8	38.2	57.4#
71	20.5	35.4	53.2#



#31
Cyclohexane
Concen: 0.79 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion:	56	Resp:	3332
Ion	Ratio	Lower	Upper
56	100		
69	192.6	26.4	39.6#
84	173.0	68.4	102.6#

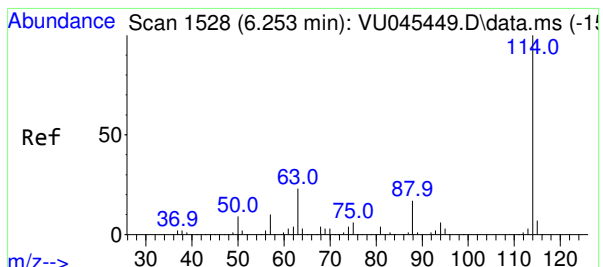
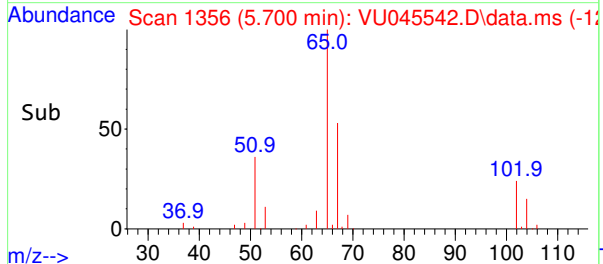
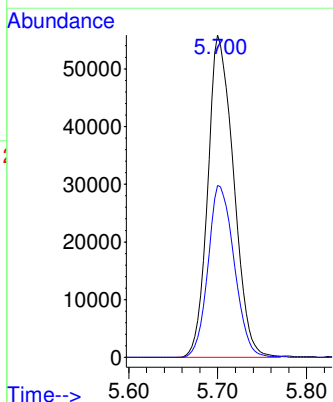
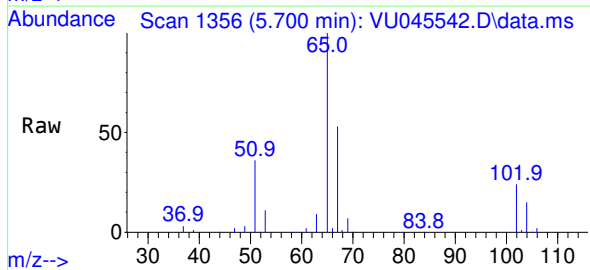




#33
1,2-Dichloroethane-d4
Concen: 39.59 ug/l
RT: 5.700 min Scan# 1
Delta R.T. -0.007 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

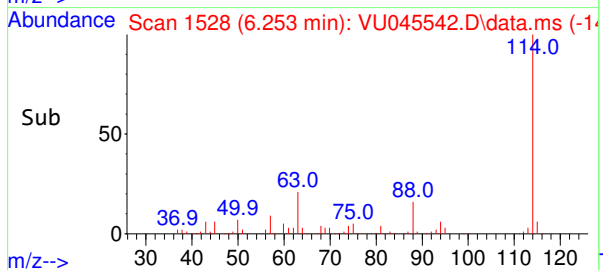
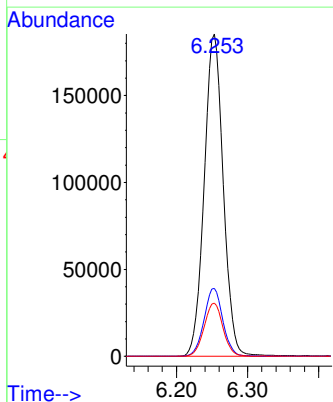
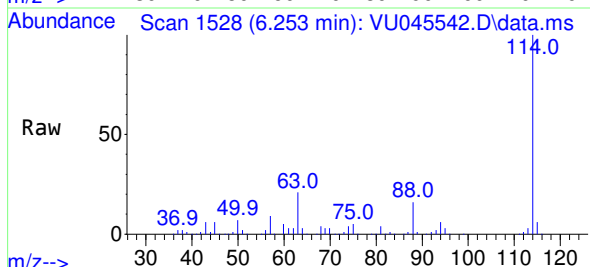
Instrument :
MSVOA_U
ClientSampleId :

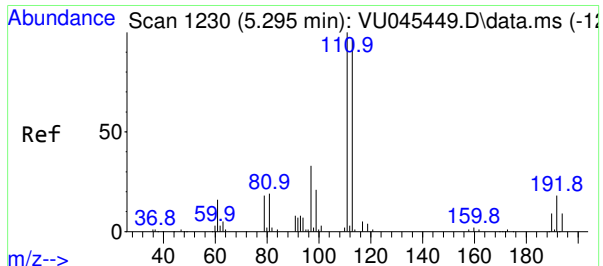
Tgt Ion: 65 Resp: 112588
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 114 Resp: 345160
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.6
88 16.5 0.0 33.8

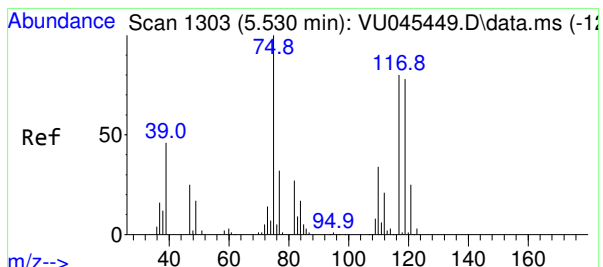
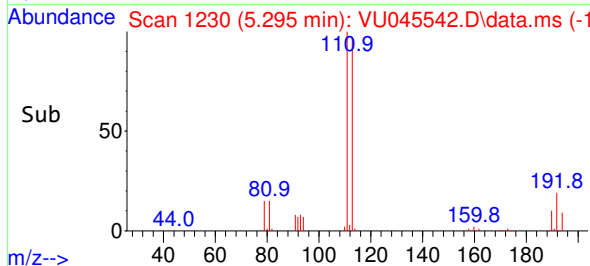
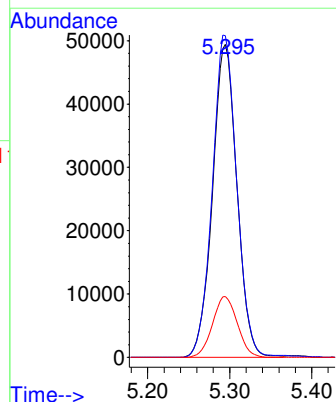
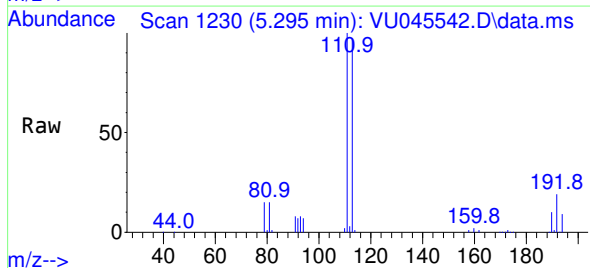




#35
Dibromofluoromethane
Concen: 46.57 ug/l
RT: 5.295 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

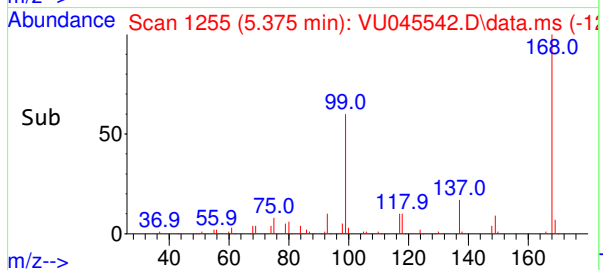
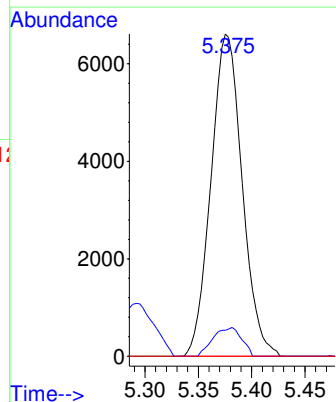
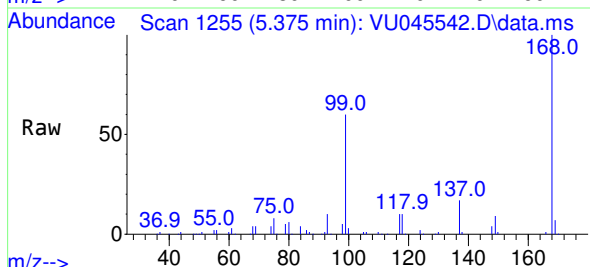
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ClientSampleId :

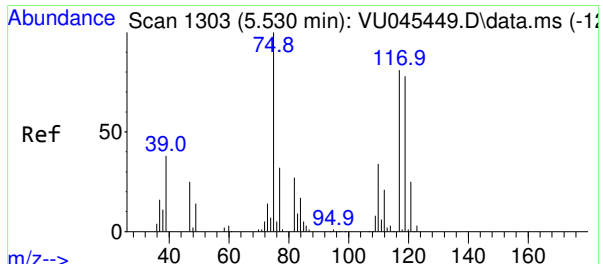
Tgt Ion:113 Resp: 102217
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 19.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.09 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 75 Resp: 13438
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.0#
77 0.0 25.0 37.4#

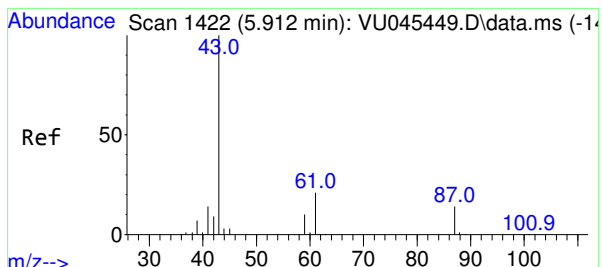
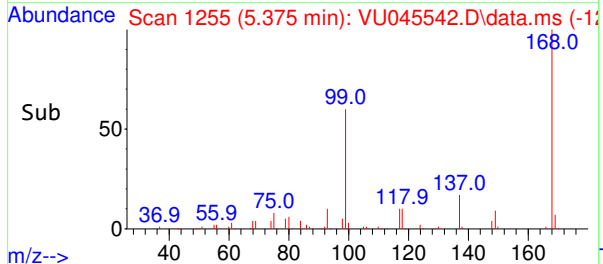
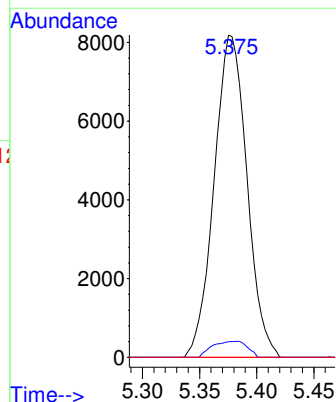
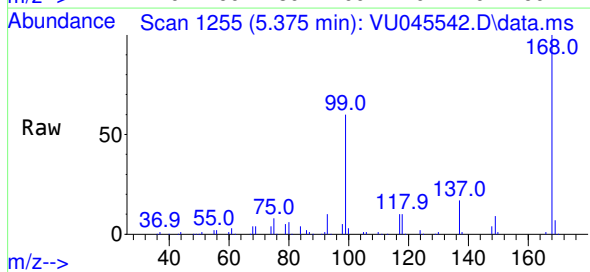




#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 5.375 min Scan# 1
Delta R.T. -0.154 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

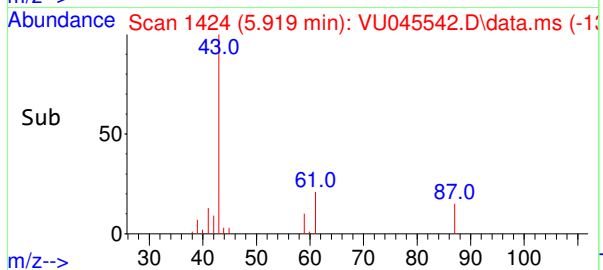
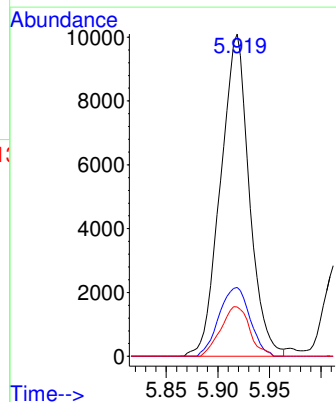
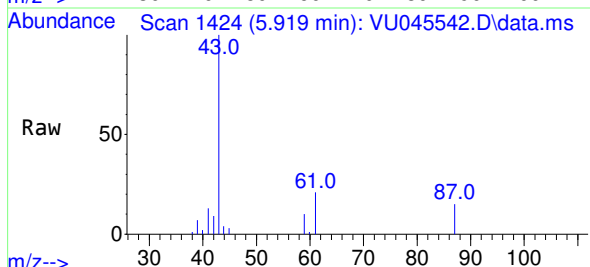
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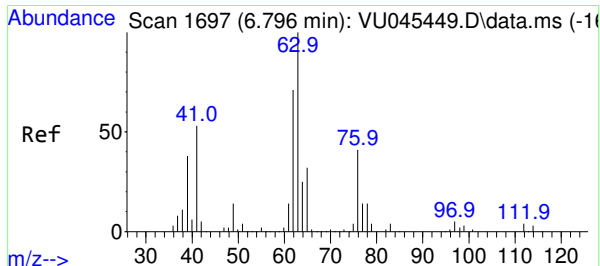
Tgt Ion:117 Resp: 16364
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.26 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 43 Resp: 19526
Ion Ratio Lower Upper
43 100
61 23.0 16.9 25.3
87 15.5 11.0 16.4

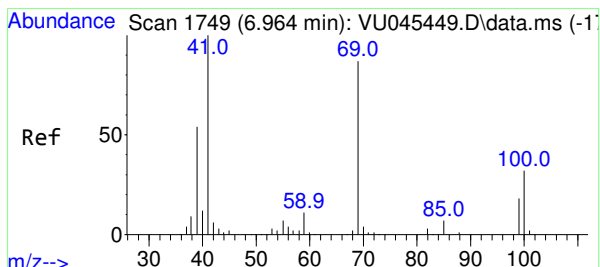
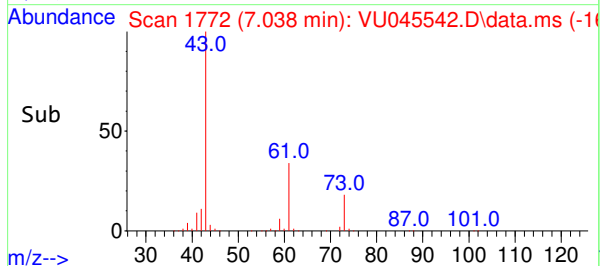
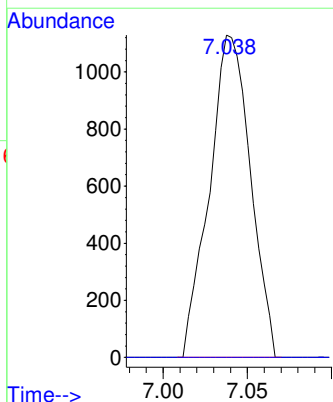
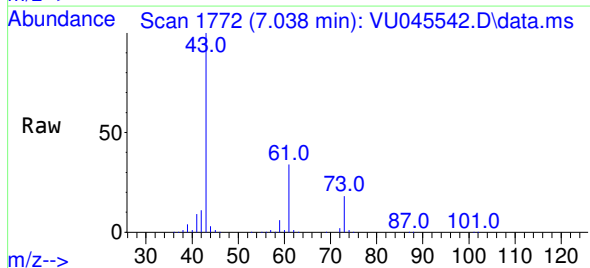




#45
1,2-Dichloropropane
Concen: 0.74 ug/l
RT: 7.038 min Scan# 1
Delta R.T. 0.241 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

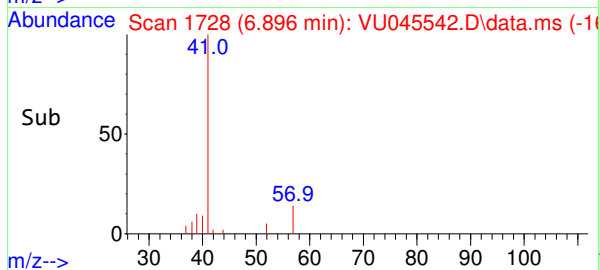
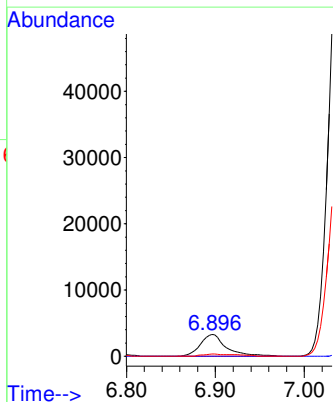
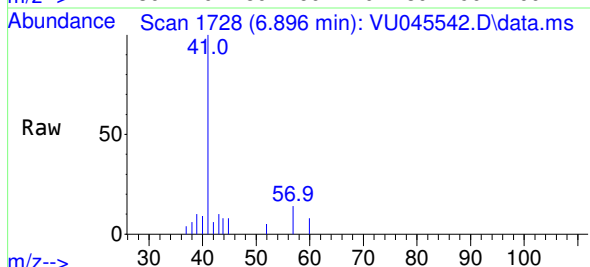
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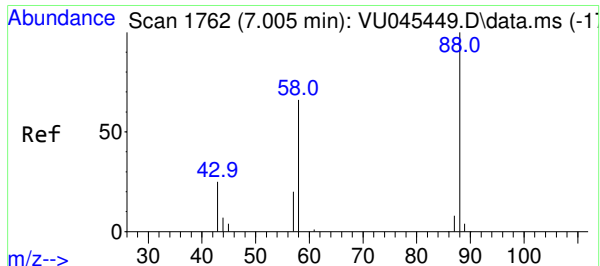
Tgt Ion: 63 Resp: 1916
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 2.38 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.068 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 41 Resp: 6776
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#

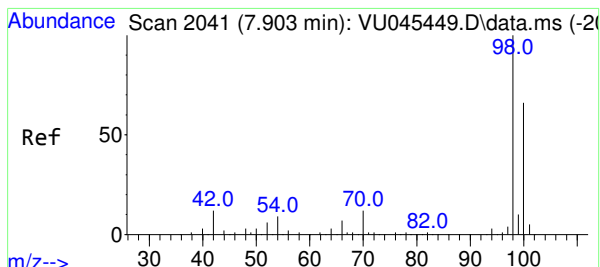
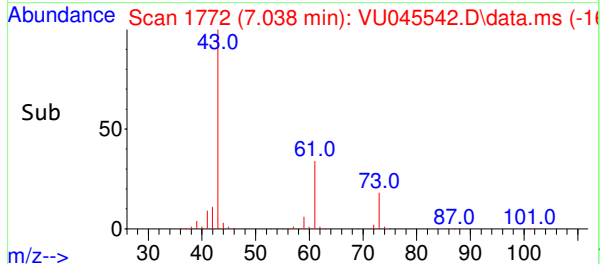
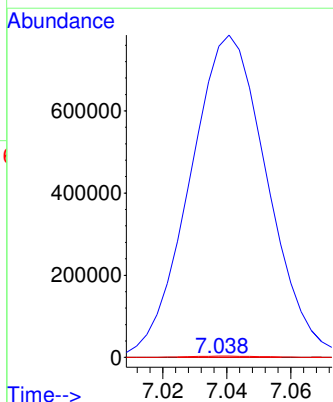
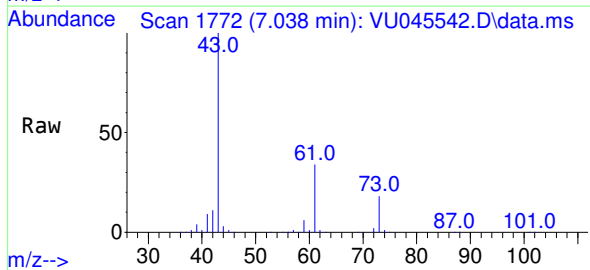




#49
1,4-Dioxane
Concen: 2.39 ug/l
RT: 7.038 min Scan# 1
Delta R.T. 0.032 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

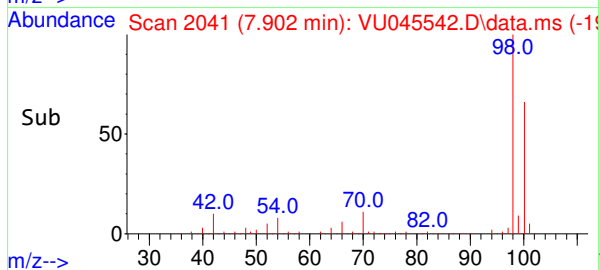
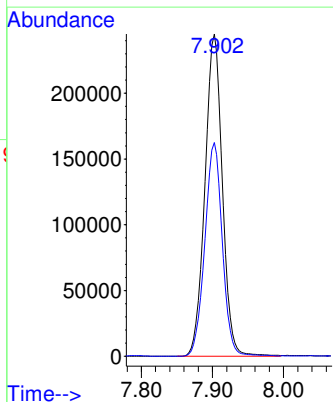
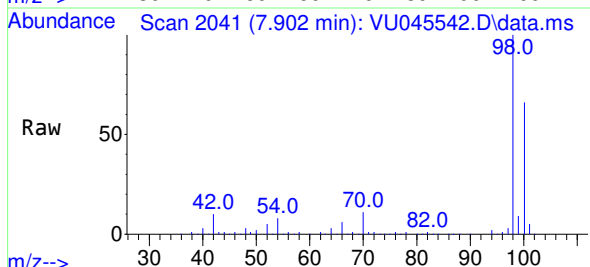
Instrument :
MSVOA_U
ClientSampleId :

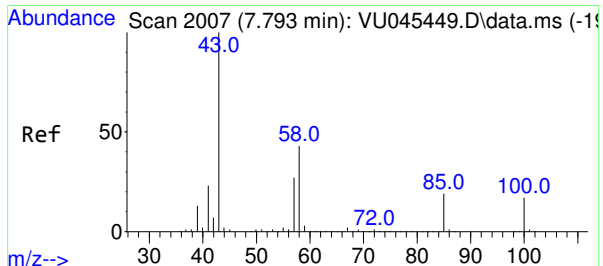
Tgt Ion: 88 Resp: 173
Ion Ratio Lower Upper
88 100
43 775028.9 0.0 0.0#
58 3319.7 58.7 88.1#



#50
Toluene-d8
Concen: 48.59 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 98 Resp: 418178
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7

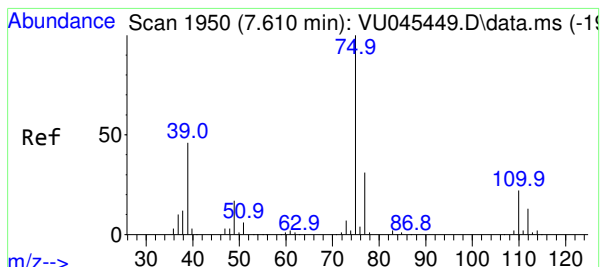
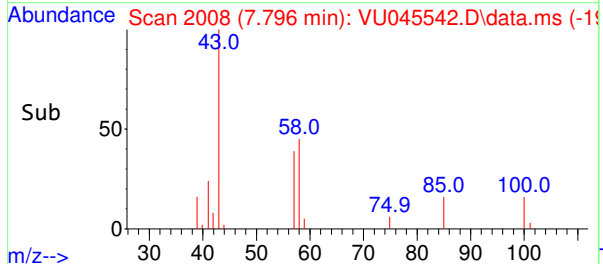
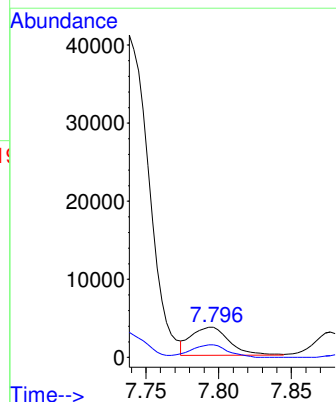
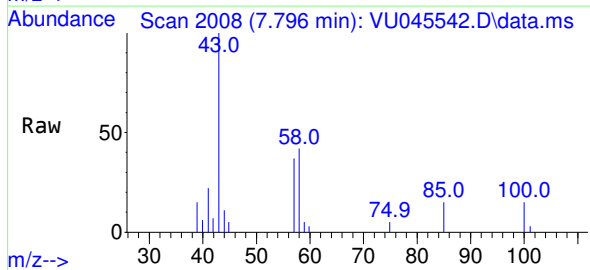




#51
4-Methyl-2-Pentanone
Concen: 1.72 ug/l
RT: 7.796 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

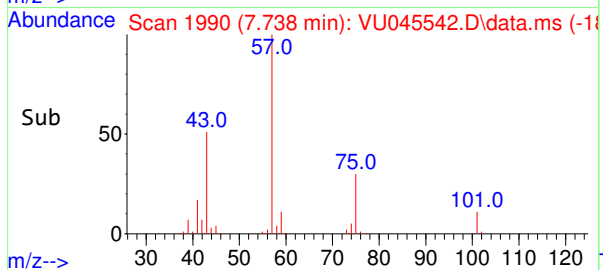
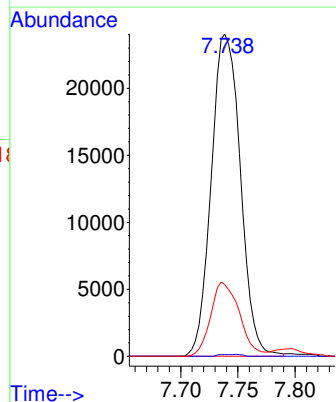
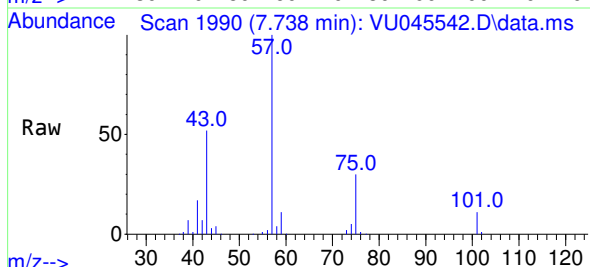
Instrument :
MSVOA_U
ClientSampleId :

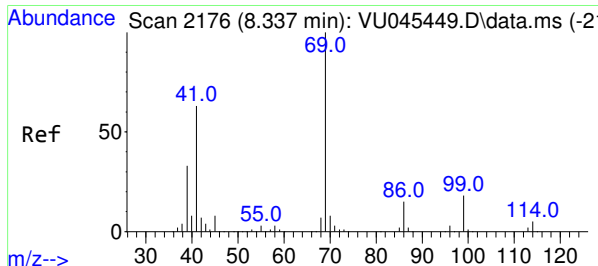
Tgt Ion: 43 Resp: 6659
Ion Ratio Lower Upper
43 100
58 42.6 33.8 50.8



#54
cis-1,3-Dichloropropene
Concen: 10.49 ug/l
RT: 7.738 min Scan# 1990
Delta R.T. 0.128 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 75 Resp: 42693
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 22.3 37.1 55.7#

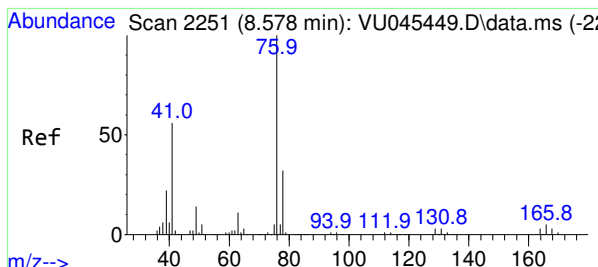
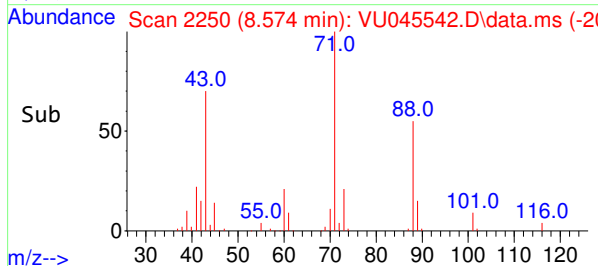
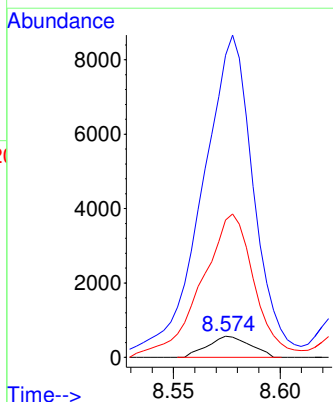
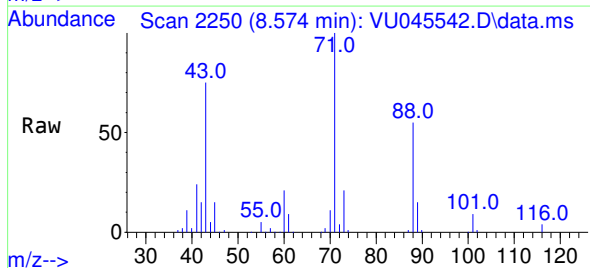




#56
Ethyl methacrylate
Concen: 1.81 ug/l
RT: 8.574 min Scan# 2176
Delta R.T. 0.237 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

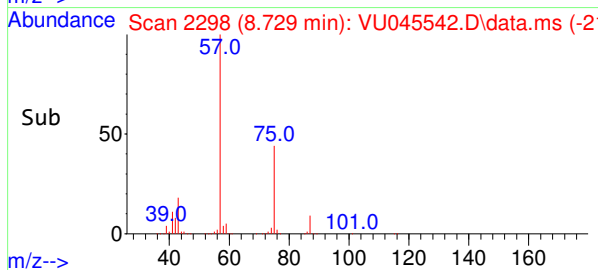
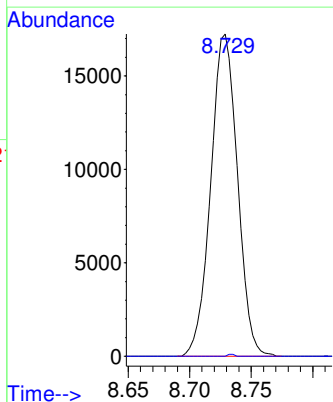
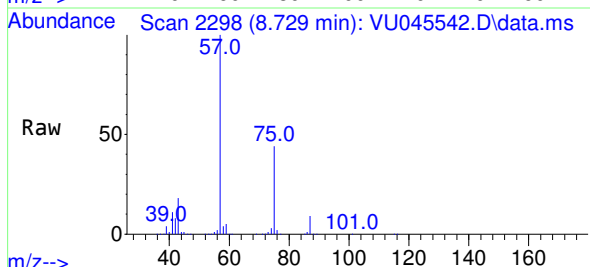
Instrument :
MSVOA_U
ClientSampleId :

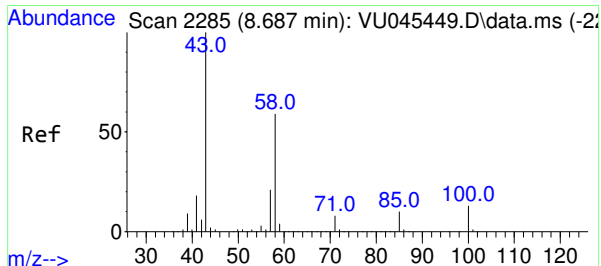
Tgt Ion: 69 Resp: 789
Ion Ratio Lower Upper
69 100
41 1864.4 51.0 76.4#
39 844.7 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.99 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 76 Resp: 26105
Ion Ratio Lower Upper
76 100
78 0.2 25.8 38.8#

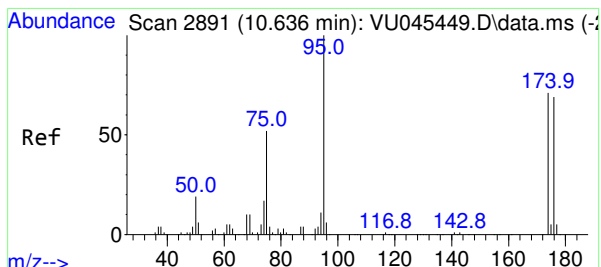
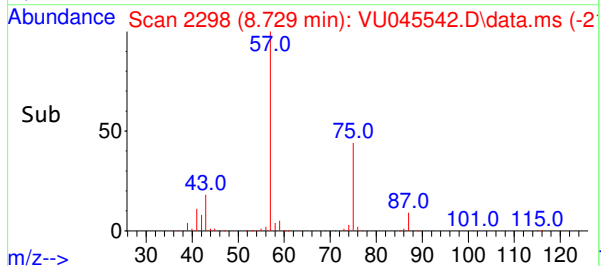
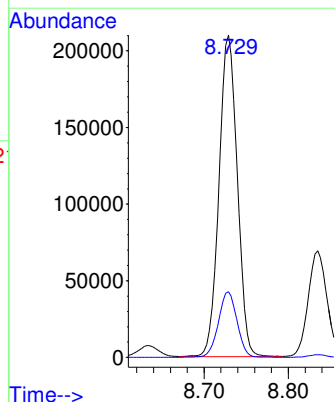
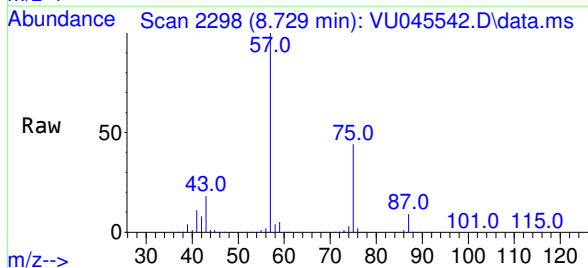




#59
2-Hexanone
Concen: 105.92 ug/l
RT: 8.729 min Scan# 2
Delta R.T. 0.042 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

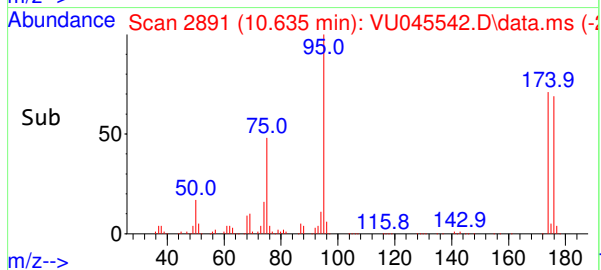
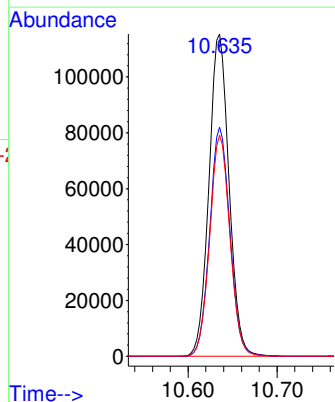
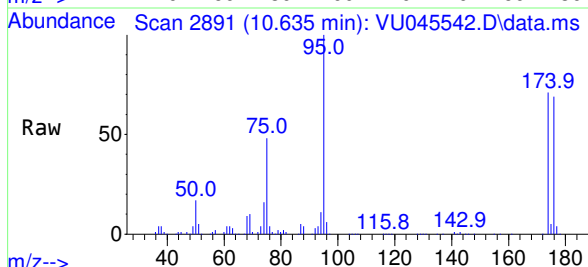
Instrument :
MSVOA_U
ClientSampleId :

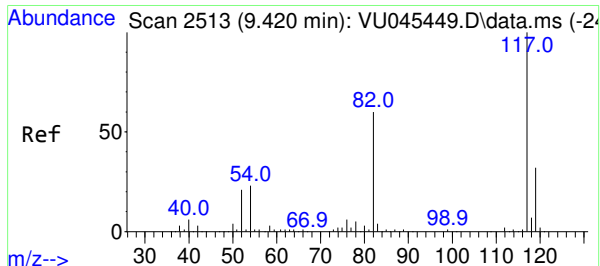
Tgt Ion: 43 Resp: 318084
Ion Ratio Lower Upper
43 100
58 20.9 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 55.38 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion: 95 Resp: 181613
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.8
176 68.7 0.0 138.2

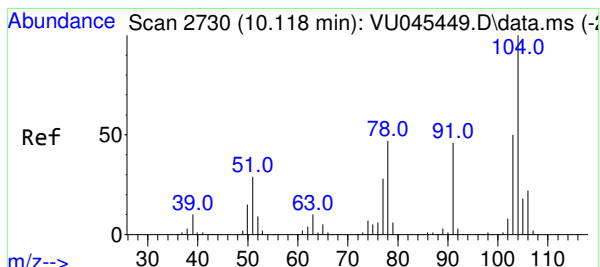
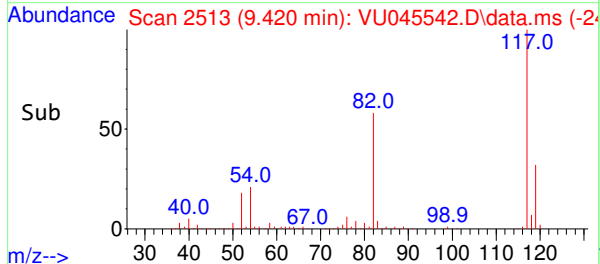
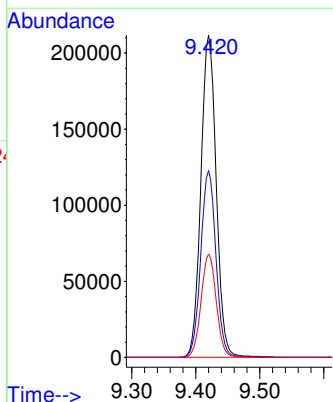
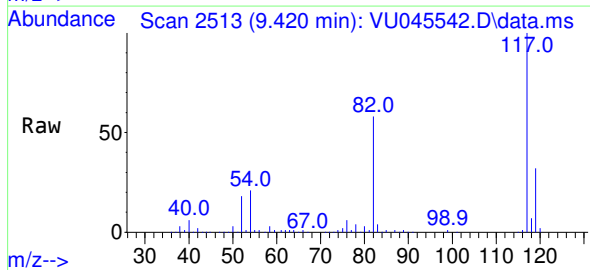




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.420 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

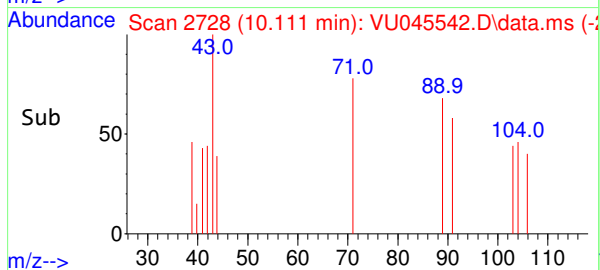
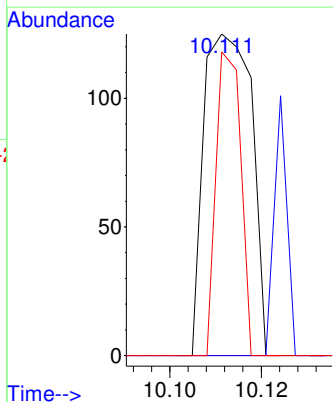
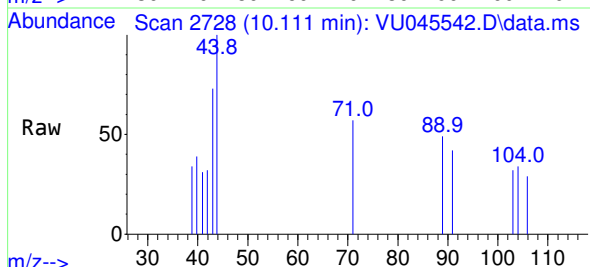
Instrument :
MSVOA_U
ClientSampleId :

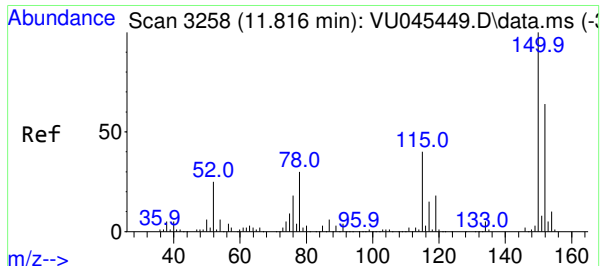
Tgt Ion:117 Resp: 352936
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.8
119 32.1 25.8 38.8



#70
Styrene
Concen: 0.99 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. -0.007 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion:104 Resp: 91
Ion Ratio Lower Upper
104 100
78 20.9 41.8 62.6#
103 48.4 43.8 65.6

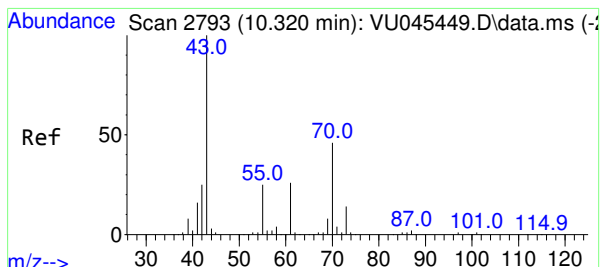
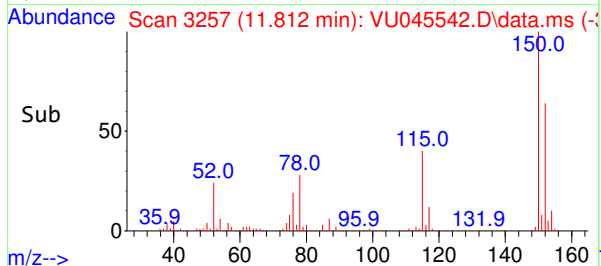
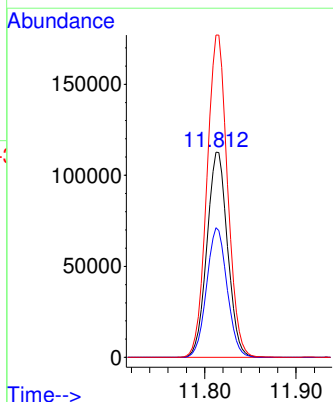
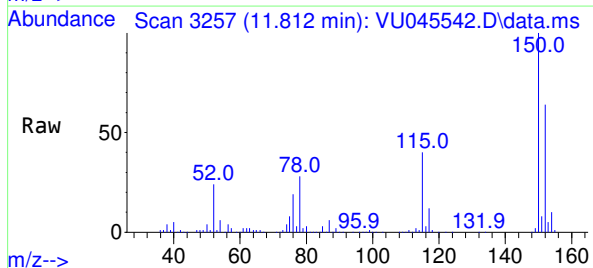




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.812 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

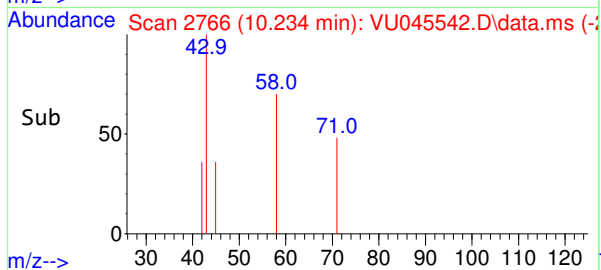
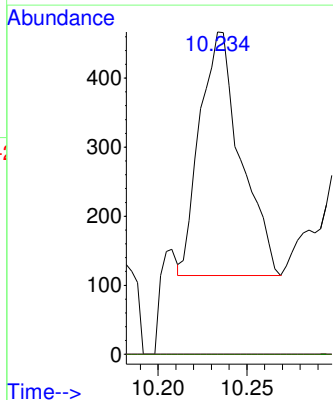
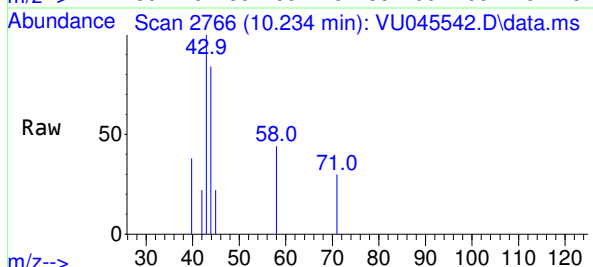
Instrument :
MSVOA_U
ClientSampleId :

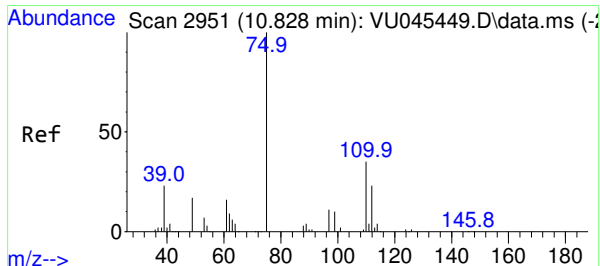
Tgt Ion:	152	Resp:	177087
Ion	Ratio	Lower	Upper
152	100		
115	62.7	42.7	128.1
150	157.0	0.0	346.8



#74
N-ethyl acetate
Concen: 1.24 ug/l
RT: 10.234 min Scan# 2766
Delta R.T. -0.086 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

Tgt Ion:	43	Resp:	566
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.9	55.3#
55	0.0	20.6	31.0#
61	0.0	20.5	30.7#

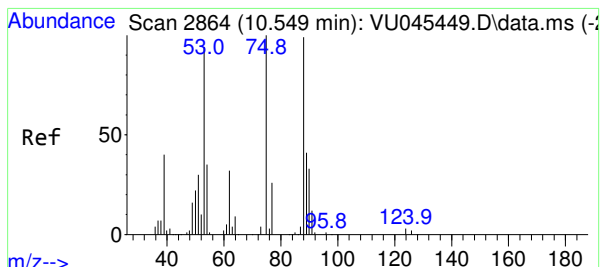
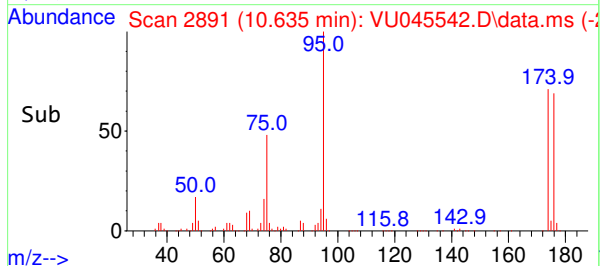
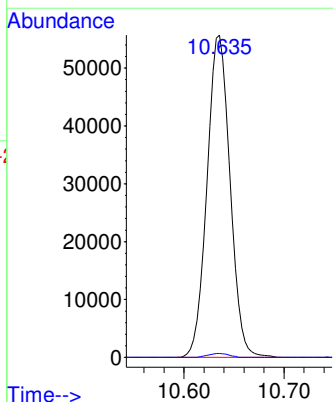
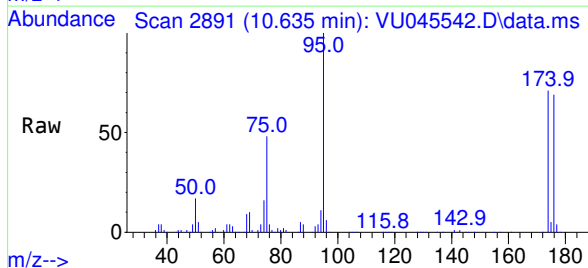




#76
1,2,3-Trichloropropane
Concen: 18.94 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

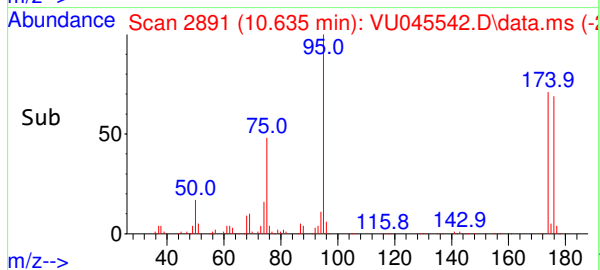
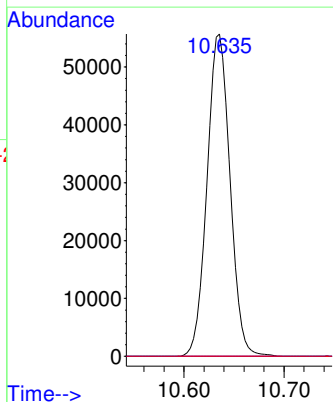
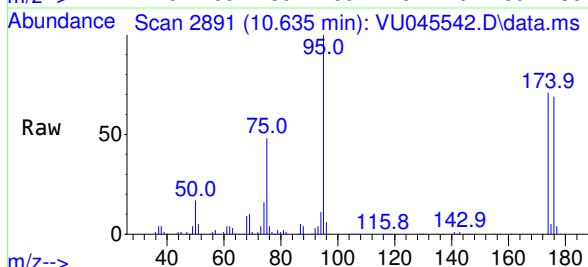
Instrument :
MSVOA_U
ClientSampleId :

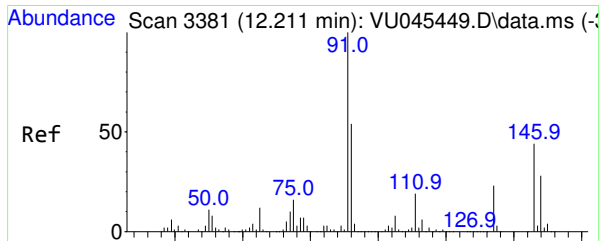
Tgt Ion: 75 Resp: 89371
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.76 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045542.D
Acq: 03 Nov 2021 23:59

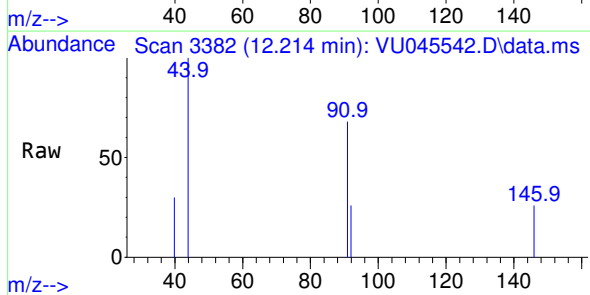
Tgt Ion: 75 Resp: 89371
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#89
 n-Butylbenzene
 Concen: 0.96 ug/l
 RT: 12.214 min Scan# 3
 Delta R.T. 0.003 min
 Lab File: VU045542.D
 Acq: 03 Nov 2021 23:59

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	91	Resp:	292
Ion	Ratio	Lower	Upper
91	100		
92	15.1	27.1	81.2#
134	0.0	11.8	35.4#

