

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044099.D
 Acq On : 08 Jun 2021 08:47
 Operator : SY/MD
 Sample : M2613-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:10:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 17:38:51 2021
 Response via : Initial Calibration

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

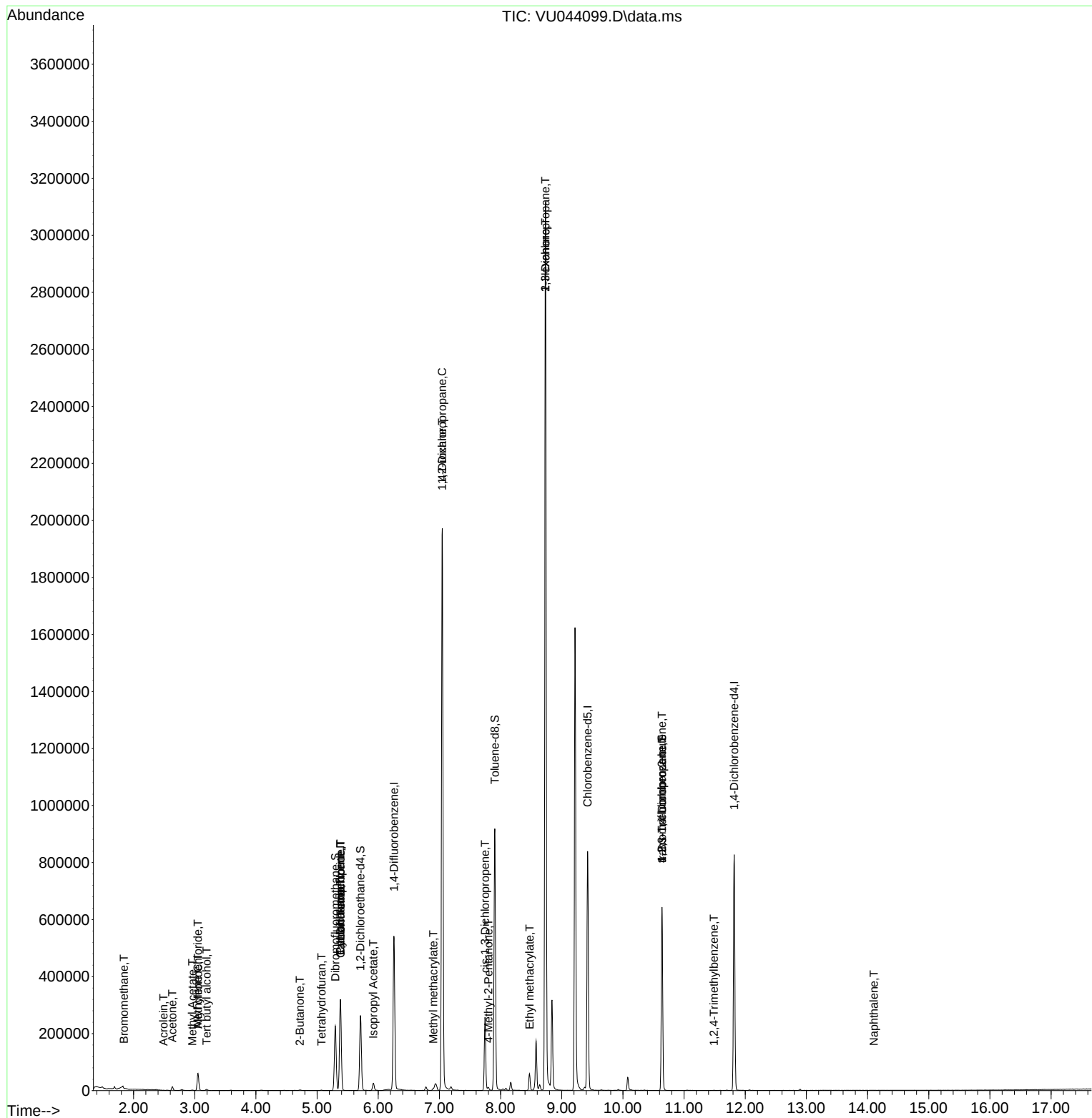
Internal Standards						
1) Pentafluorobenzene	5.382	168	205796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	414323	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	442369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	206824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	190579	53.174	ug/l	0.00
Spiked Amount	50.000		Recovery	= 106.340%		
35) Dibromofluoromethane	5.298	113	146235	49.459	ug/l	0.00
Spiked Amount	50.000		Recovery	= 98.920%		
50) Toluene-d8	7.906	98	581735	51.009	ug/l	0.00
Spiked Amount	50.000		Recovery	= 102.020%		
62) 4-Bromofluorobenzene	10.639	95	217743	48.224	ug/l	0.00
Spiked Amount	50.000		Recovery	= 96.440%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	758	Below Cal	#	68
5) Bromomethane	1.842	94	430	0.272	ug/l	95
11) Tert butyl alcohol	3.195	59	3072	3.457	ug/l #	72
13) Acrolein	2.491	56	277	0.397	ug/l	85
14) Allyl chloride	3.054	41	1154	0.223	ug/l #	30
16) Acetone	2.633	43	15430	7.459	ug/l	100
18) Methyl Acetate	2.961	43	2130	0.467	ug/l	92
20) Methylene Chloride	3.051	84	29251	8.002	ug/l	98
25) 2-Butanone	4.719	43	3723	1.261	ug/l	91
29) Tetrahydrofuran	5.073	42	810	0.494	ug/l	92
31) Cyclohexane	5.382	56	4967	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	18778	4.023	ug/l #	51
38) Carbon Tetrachloride	5.385	117	22371	5.304	ug/l #	17
43) Isopropyl Acetate	5.919	43	26404	3.175	ug/l	96
45) 1,2-Dichloropropane	7.047	63	2443	0.636	ug/l #	42
48) Methyl methacrylate	6.899	41	9465	2.308	ug/l #	14
49) 1,4-Dioxane	7.044	88	162	1.607	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6963	1.128	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	44585	7.811	ug/l #	65
56) Ethyl methacrylate	8.475	69	318	3.433	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	31904	5.075	ug/l #	43
59) 2-Hexanone	8.732	43	410538	85.552	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	111824	19.327	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	111824	56.436	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.488	105	289	0.970	ug/l #	32
95) Naphthalene	14.102	128	564	2.883	ug/l #	69

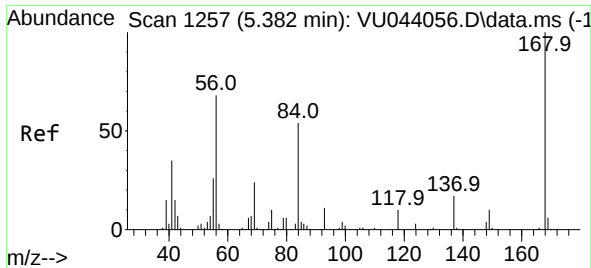
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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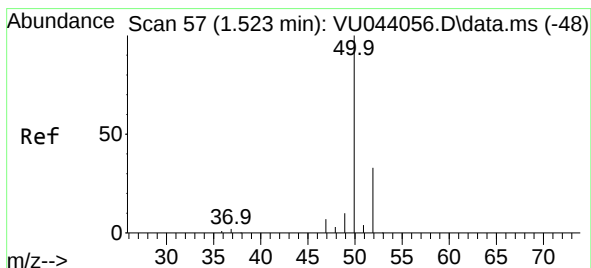
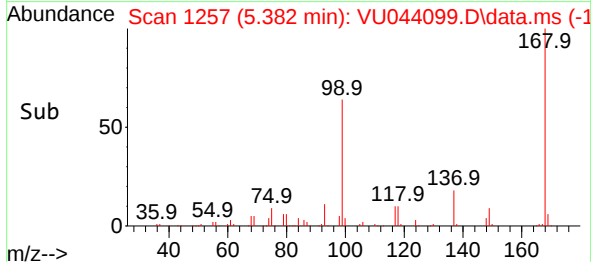
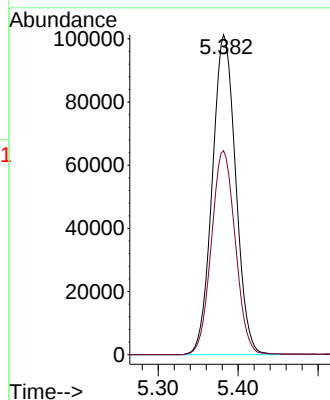
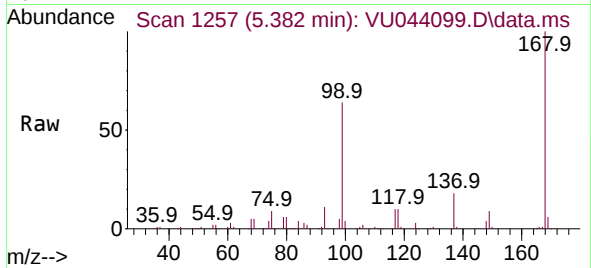




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

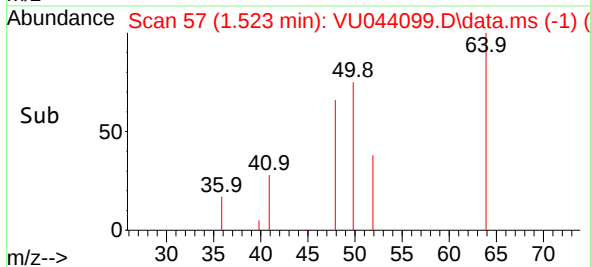
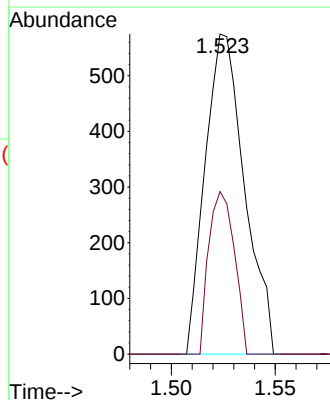
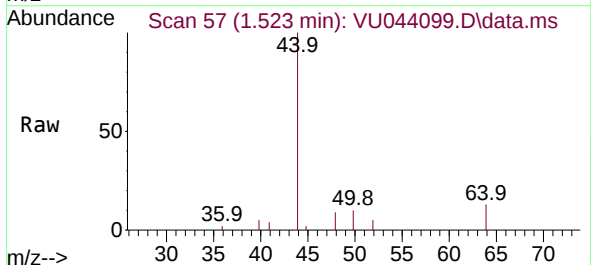
Instrument :
MSVOA_U
ClientSampled :

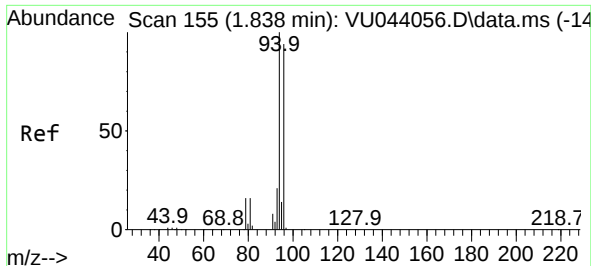
Tgt Ion:168 Resp: 205796
Ion Ratio Lower Upper
168 100
99 63.8 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 50 Resp: 758
Ion Ratio Lower Upper
50 100
52 50.8 26.2 39.2#

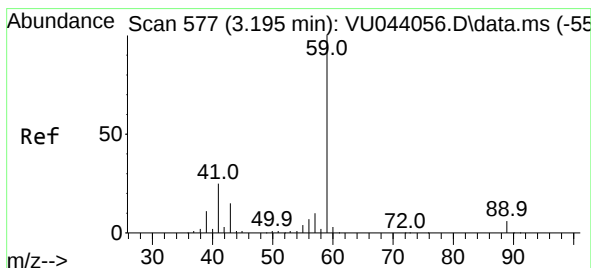
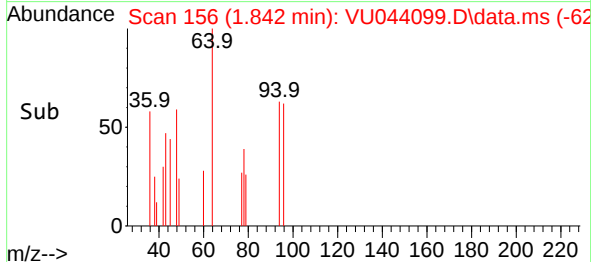
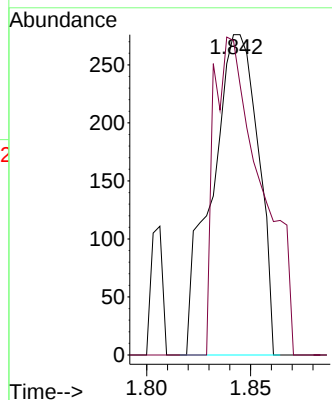
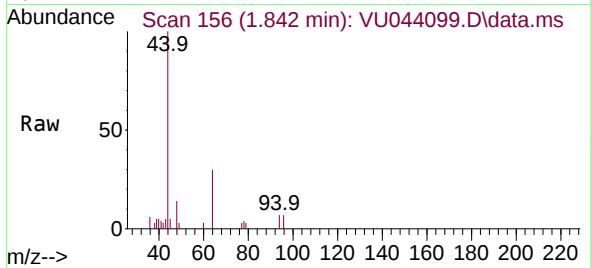




#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

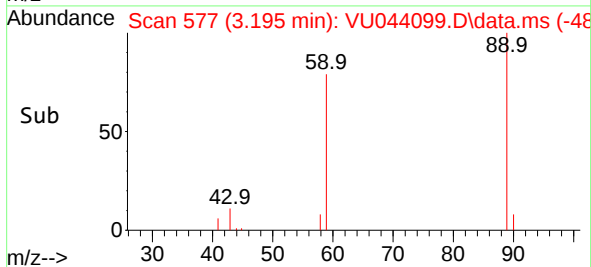
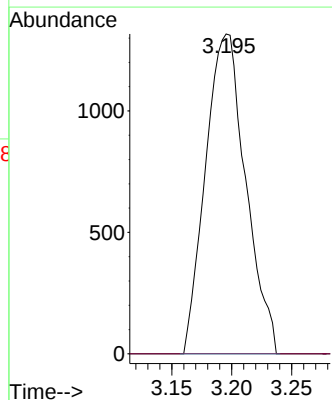
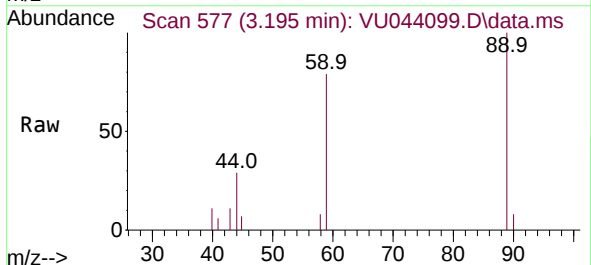
Instrument :
MSVOA_U
ClientSampled :

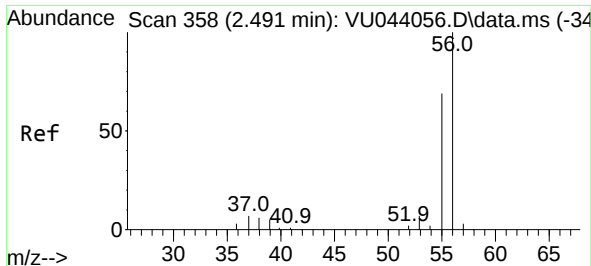
Tgt Ion: 94 Resp: 430
Ion Ratio Lower Upper
94 100
96 98.2 74.8 112.2



#11
Tert butyl alcohol
Concen: 3.457 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 59 Resp: 3072
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

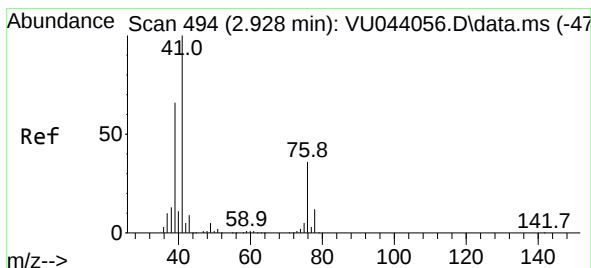
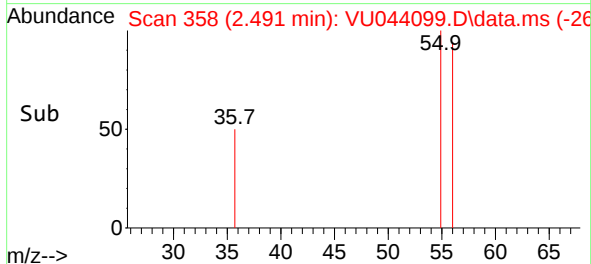
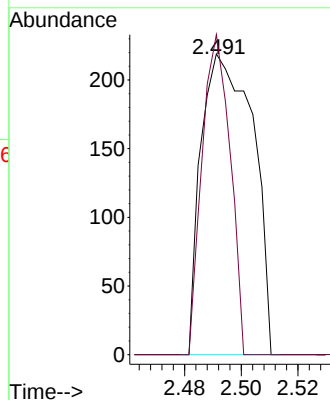
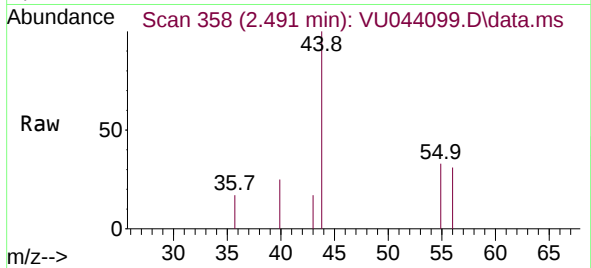




#13
Acrolein
Concen: 0.397 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

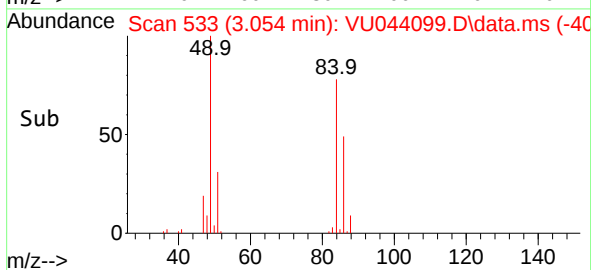
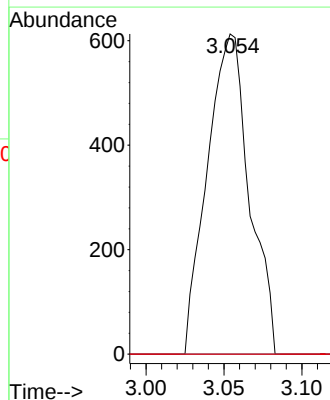
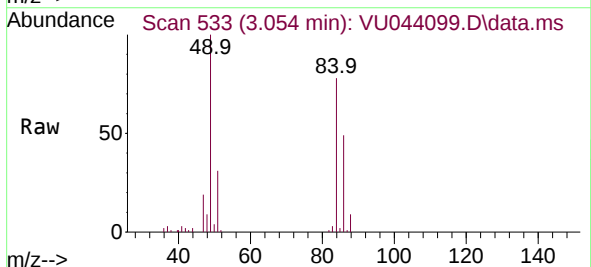
Instrument :
MSVOA_U
ClientSampled :

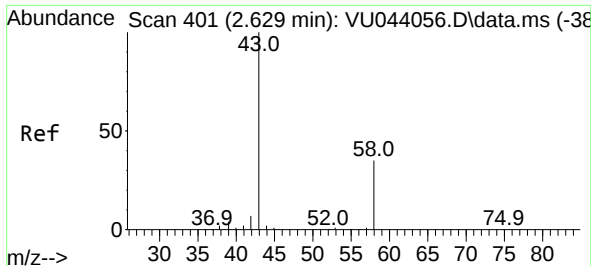
Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 57.8 56.1 84.1



#14
Allyl chloride
Concen: 0.223 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.126 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 41 Resp: 1154
Ion Ratio Lower Upper
41 100
39 0.0 45.7 68.5#
76 0.0 25.0 37.6#

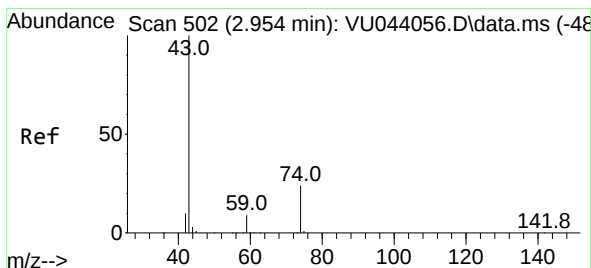
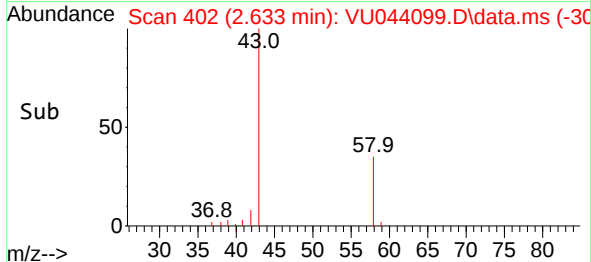
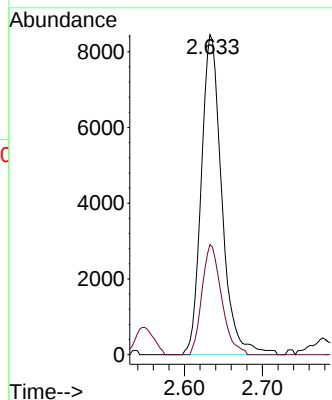
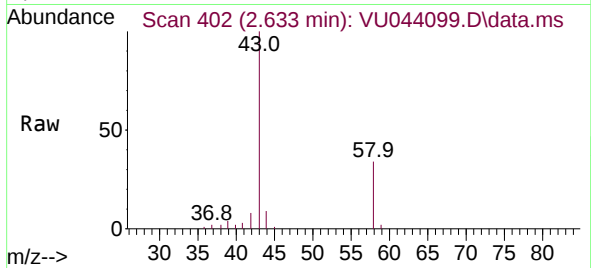




#16
Acetone
Concen: 7.459 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

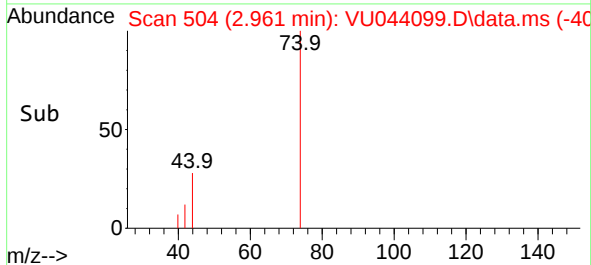
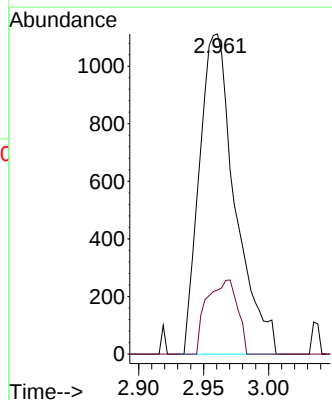
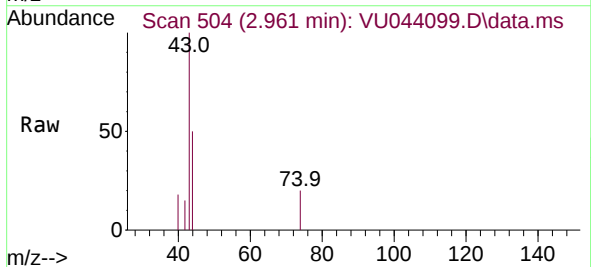
Instrument :
MSVOA_U
ClientSampled :

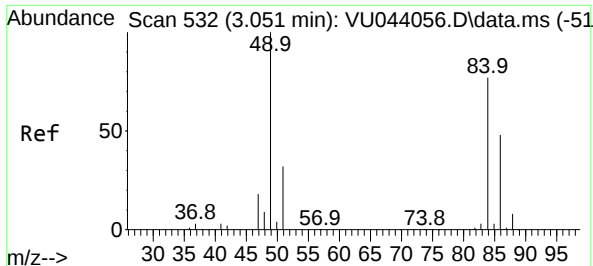
Tgt Ion: 43 Resp: 15430
Ion Ratio Lower Upper
43 100
58 34.4 27.7 41.5



#18
Methyl Acetate
Concen: 0.467 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

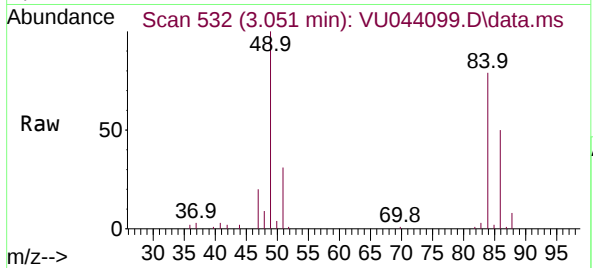
Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
74 19.7 18.7 28.1



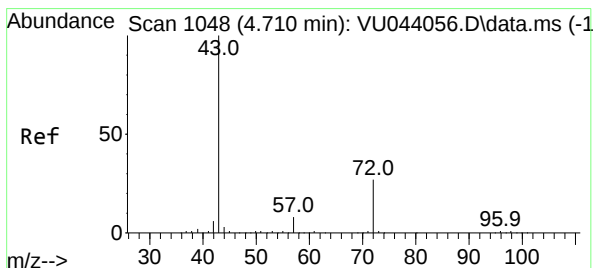
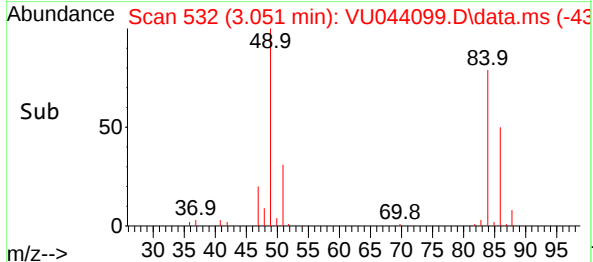
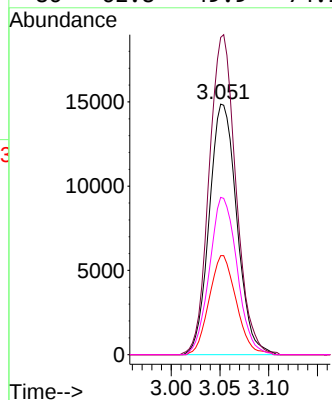


#20
Methylene Chloride
Concen: 8.002 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Instrument :
MSVOA_U
ClientSampled :

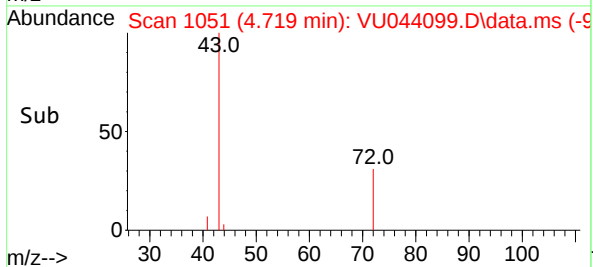
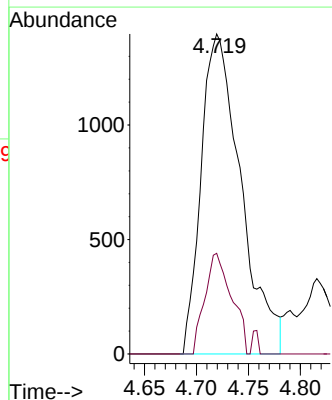
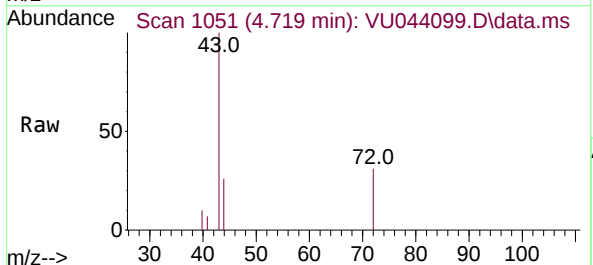


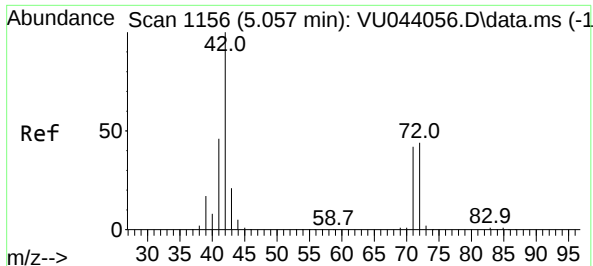
Tgt Ion:	84	Resp:	29251
Ion	Ratio	Lower	Upper
84	100		
49	126.6	103.6	155.4
51	39.5	32.8	49.2
86	62.8	49.9	74.9



#25
2-Butanone
Concen: 1.261 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion:	43	Resp:	3723
Ion	Ratio	Lower	Upper
43	100		
72	31.5	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.494 ug/l

RT: 5.073 min Scan# 1161

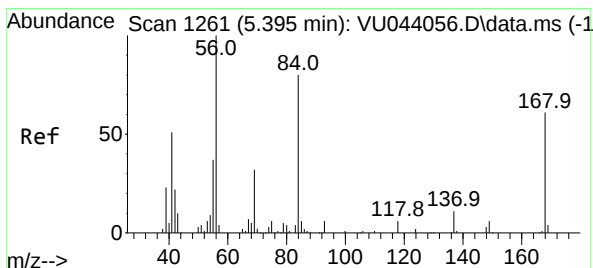
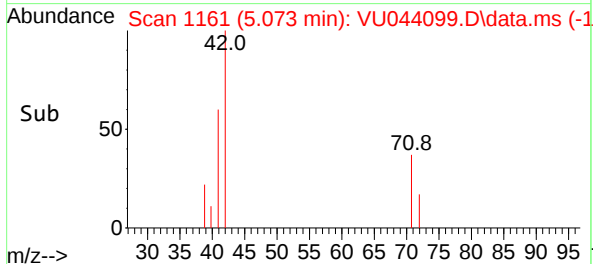
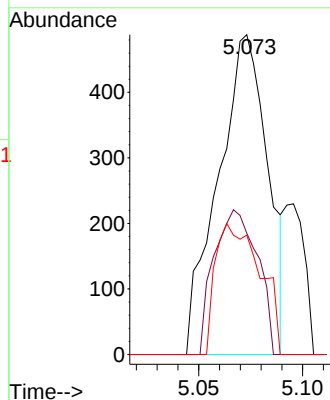
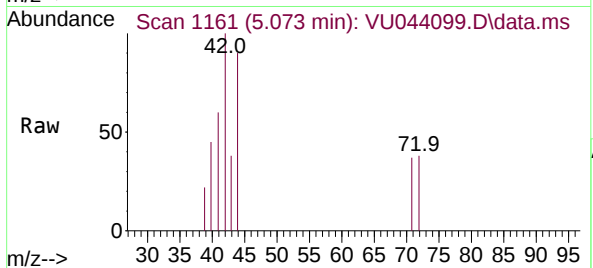
Delta R.T. 0.016 min

Lab File: VU044099.D

Acq: 08 Jun 2021 08:47

Tgt Ion:	42	Resp:	810
Ion	Ratio	Lower	Upper
42	100		
72	39.6	35.6	53.4
71	36.8	33.3	49.9

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.004 ug/l

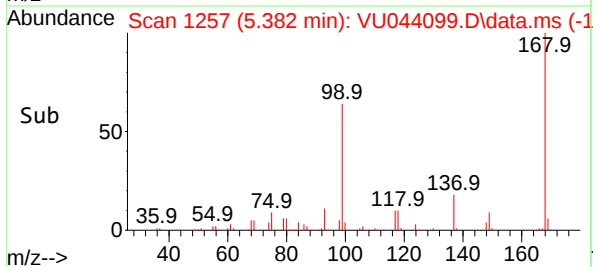
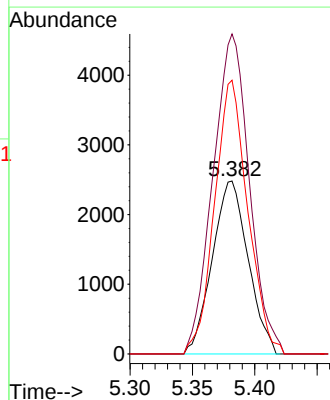
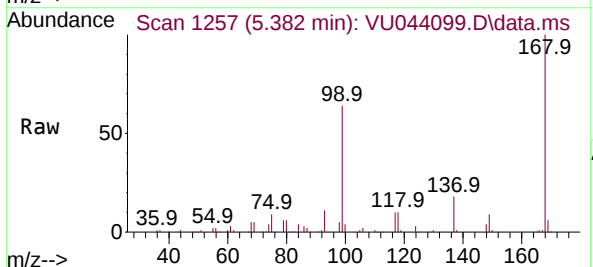
RT: 5.382 min Scan# 1257

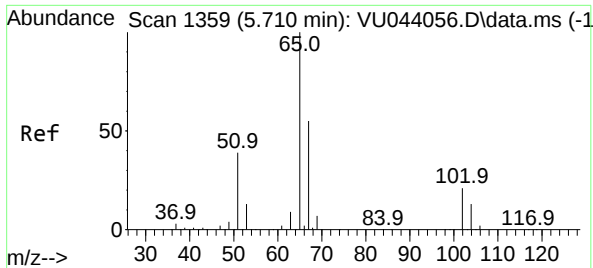
Delta R.T. -0.013 min

Lab File: VU044099.D

Acq: 08 Jun 2021 08:47

Tgt Ion:	56	Resp:	4967
Ion	Ratio	Lower	Upper
56	100		
69	185.0	25.4	38.2#
84	158.3	64.2	96.2#

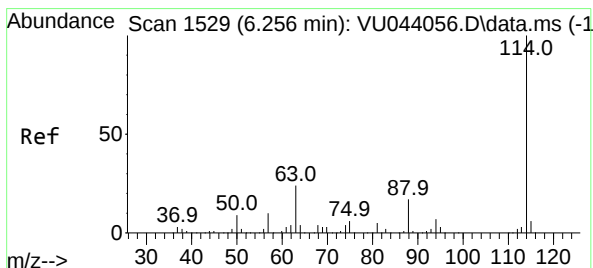
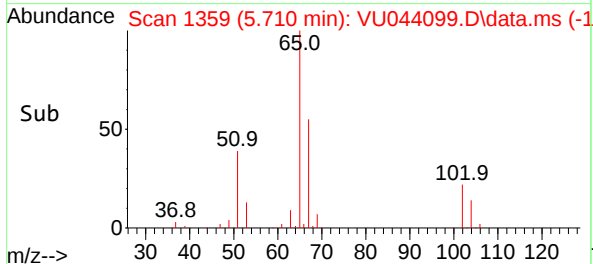
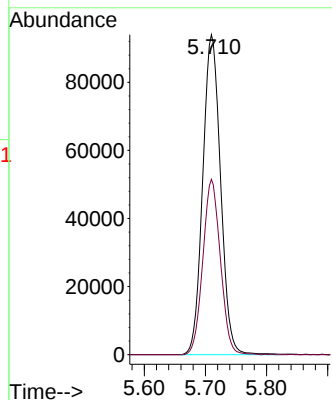
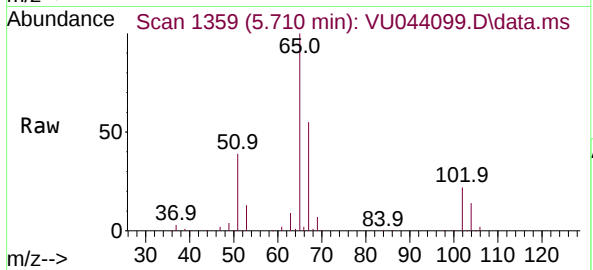




#33
1,2-Dichloroethane-d4
Concen: 53.174 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

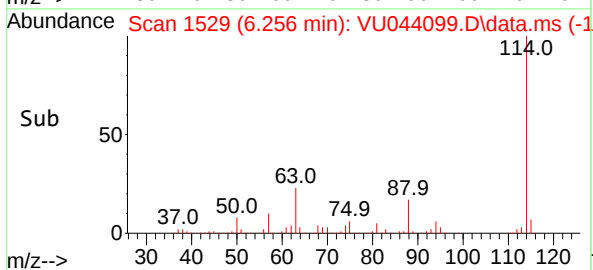
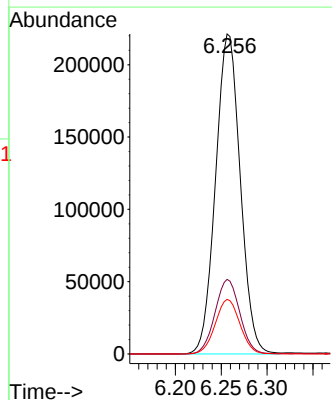
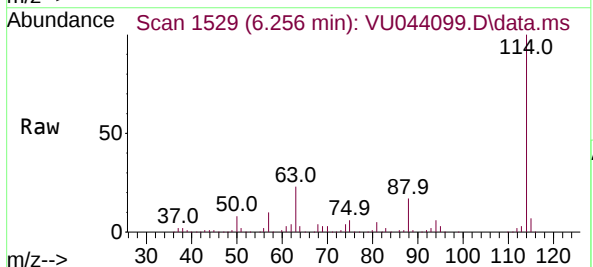
Instrument :
MSVOA_U
ClientSampled :

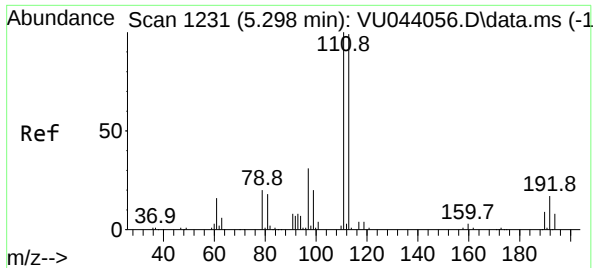
Tgt Ion: 65 Resp: 190579
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

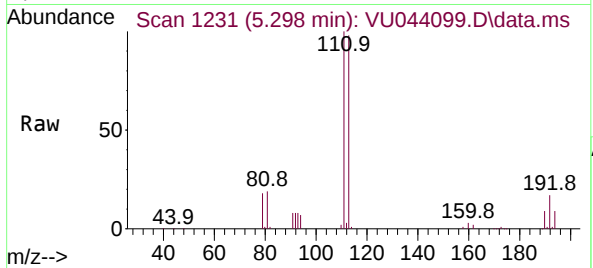
Tgt Ion: 114 Resp: 414323
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 17.1 0.0 34.4



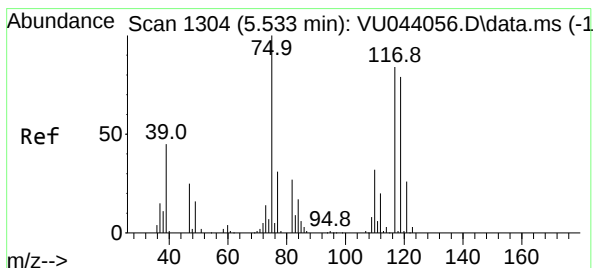
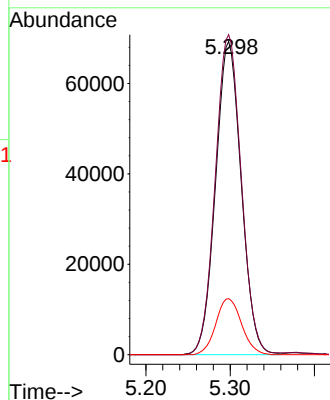
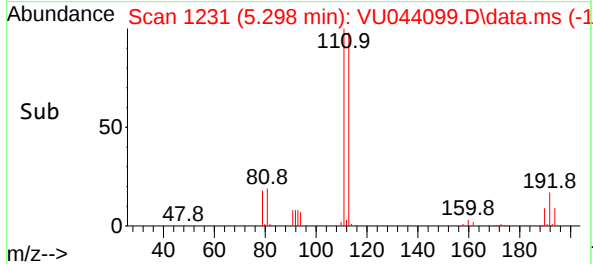


#35
Dibromofluoromethane
Concen: 49.459 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

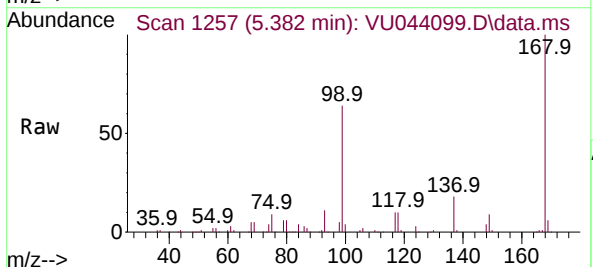
Instrument :
MSVOA_U
ClientSampled :



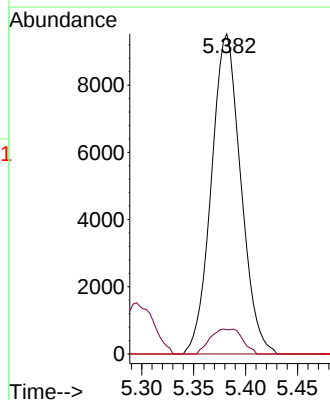
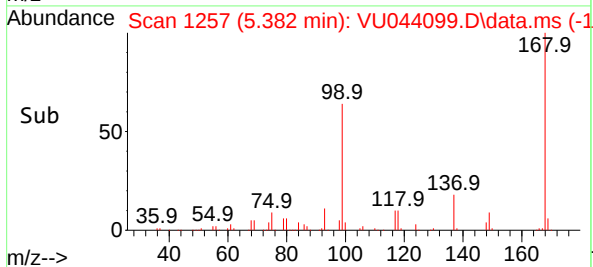
Tgt Ion:113 Resp: 146235
Ion Ratio Lower Upper
113 100
111 103.6 82.1 123.1
192 18.0 13.8 20.8

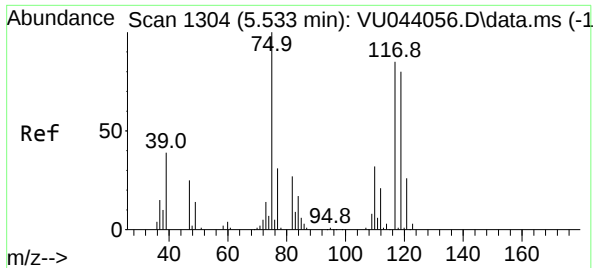


#36
1,1-Dichloropropene
Concen: 4.023 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47



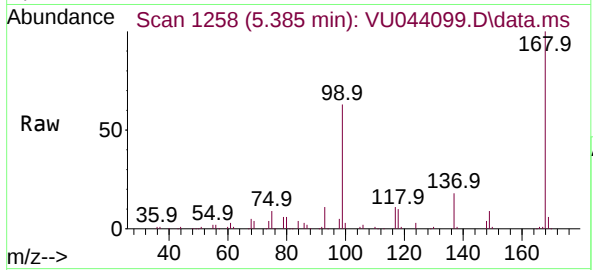
Tgt Ion: 75 Resp: 18778
Ion Ratio Lower Upper
75 100
110 8.4 15.9 47.7#
77 0.0 25.0 37.4#



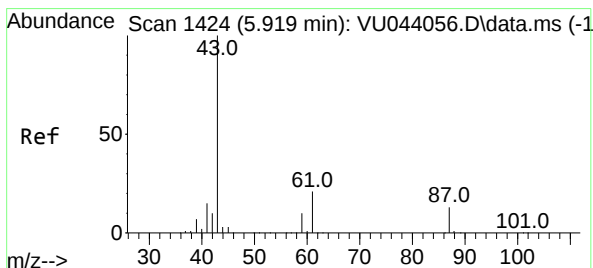
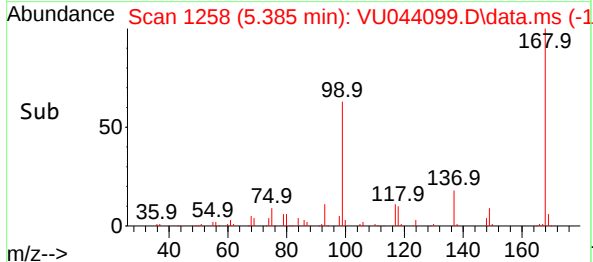
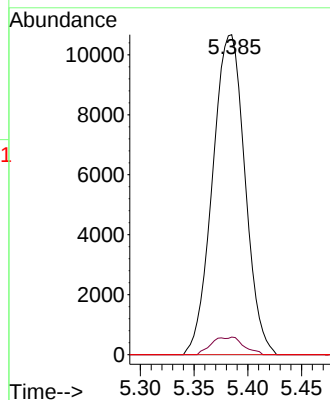


#38
Carbon Tetrachloride
Concen: 5.304 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Instrument :
MSVOA_U
ClientSampled :

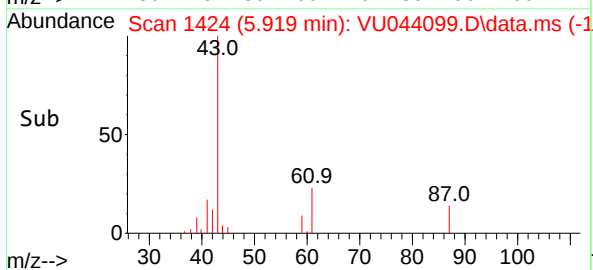
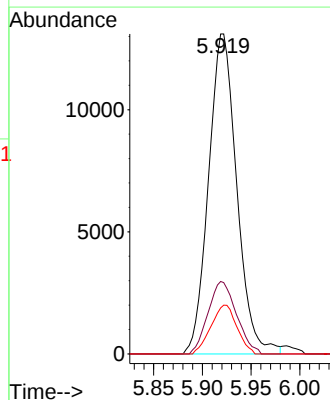
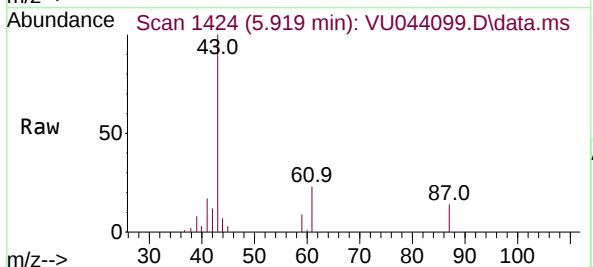


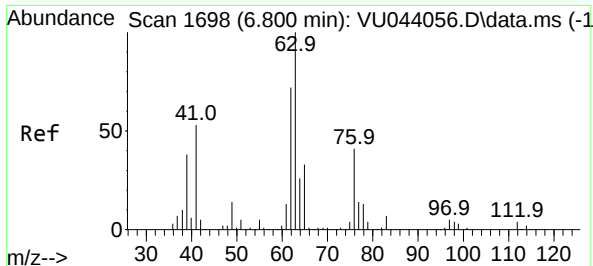
Tgt Ion:117 Resp: 22371
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.175 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 43 Resp: 26404
Ion Ratio Lower Upper
43 100
61 22.8 16.8 25.2
87 14.0 10.2 15.2



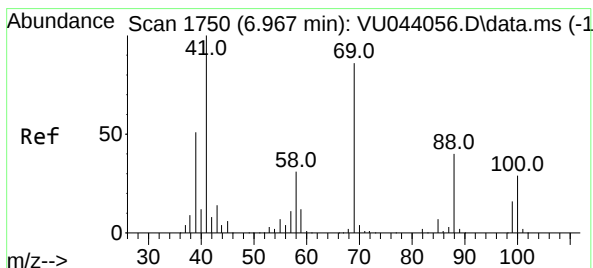
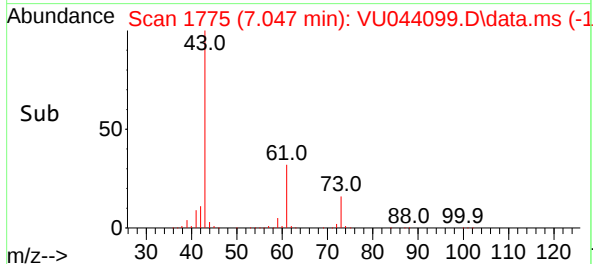
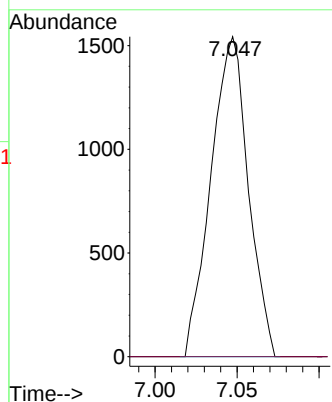
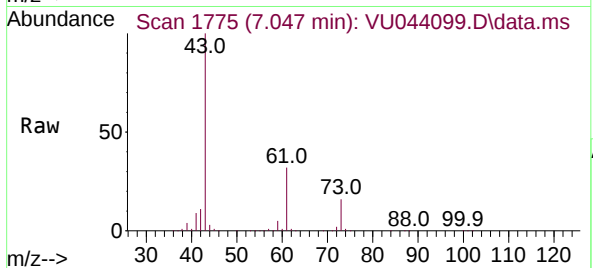


#45

1,2-Dichloropropane
Concen: 0.636 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Instrument :
MSVOA_U
ClientSampled :

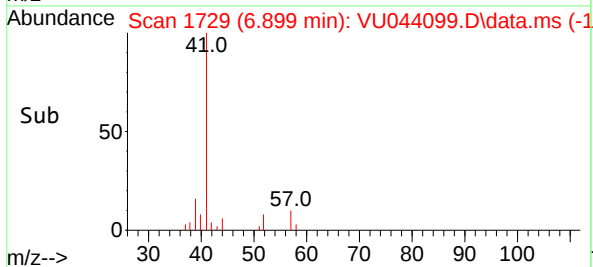
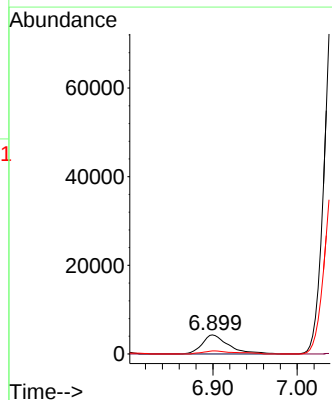
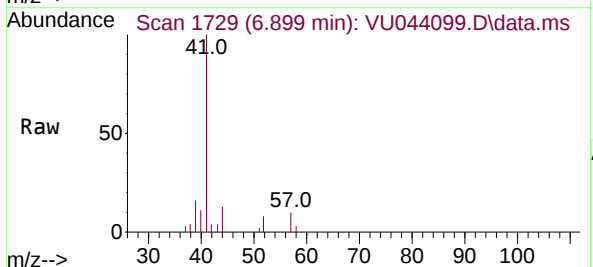
Tgt Ion: 63 Resp: 2443
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

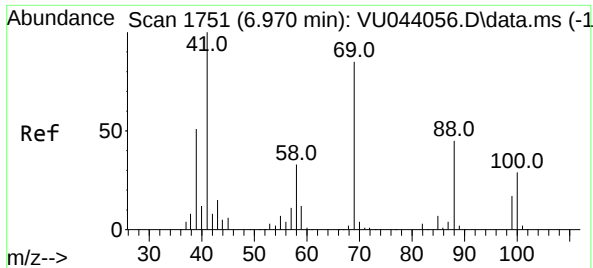


#48

Methyl methacrylate
Concen: 2.308 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 41 Resp: 9465
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#





#49

1,4-Dioxane

Concen: 1.607 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044099.D

Acq: 08 Jun 2021 08:47

Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

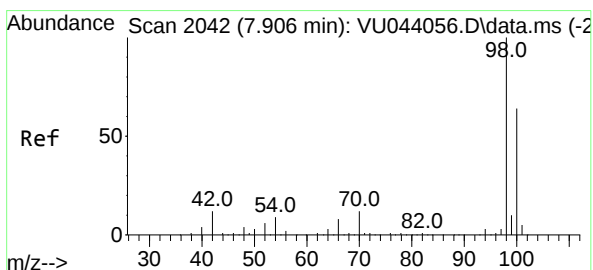
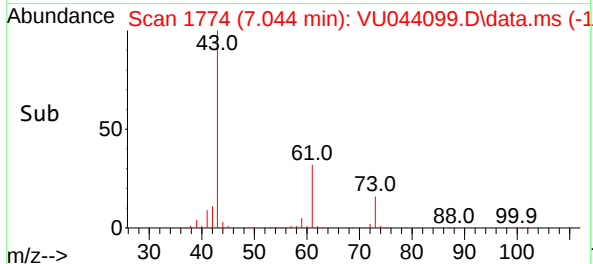
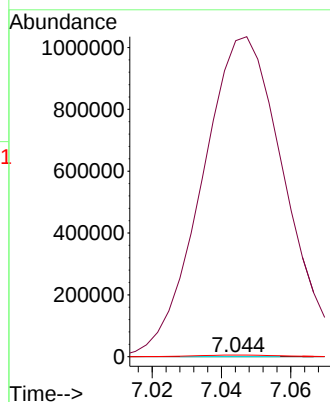
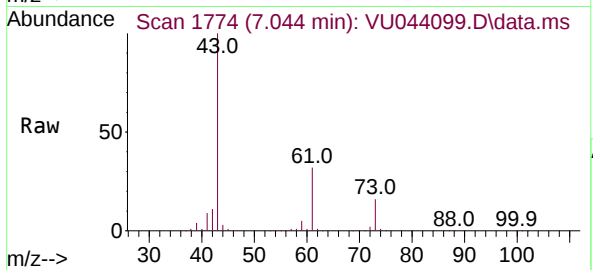
43 1083185.8 25.0 37.4#

58 5839.5 60.0 90.0#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 51.009 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044099.D

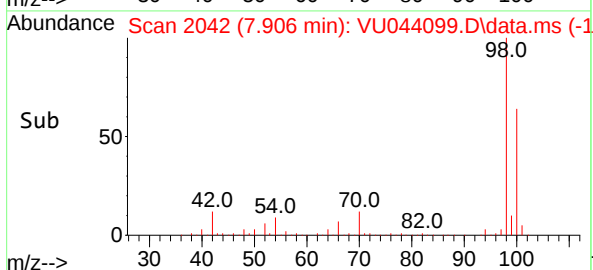
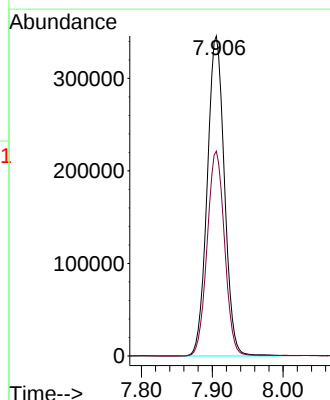
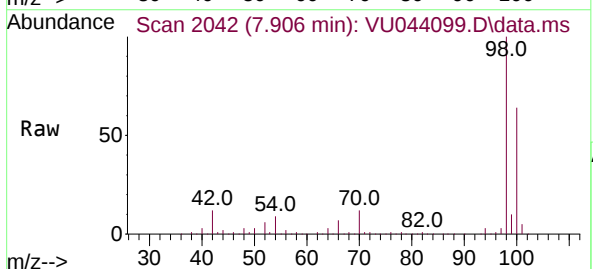
Acq: 08 Jun 2021 08:47

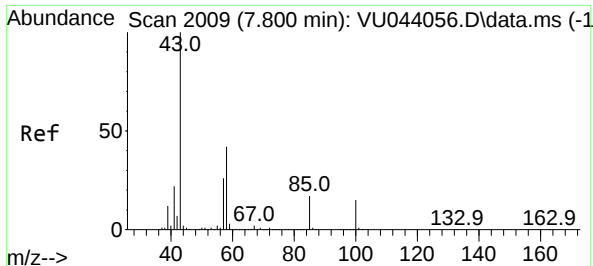
Tgt Ion: 98 Resp: 581735

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4

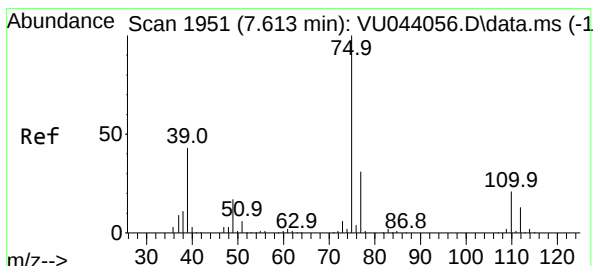
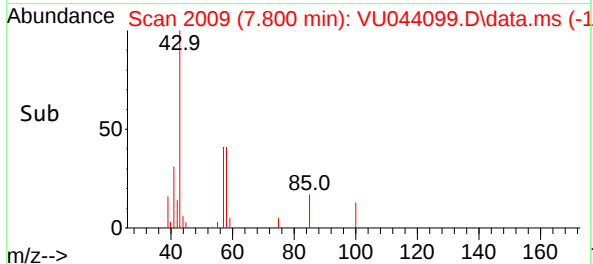
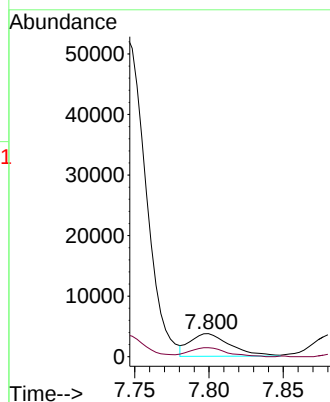
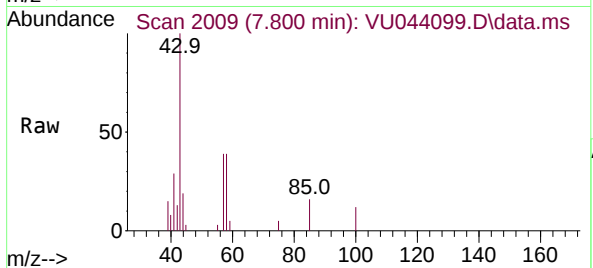




#51
4-Methyl-2-Pentanone
Concen: 1.128 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

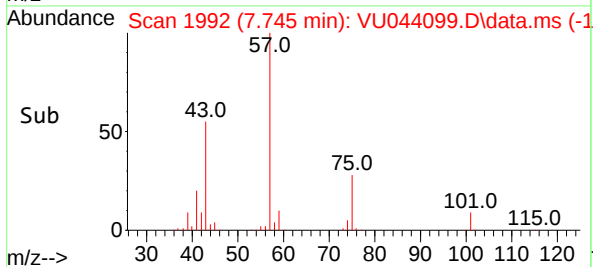
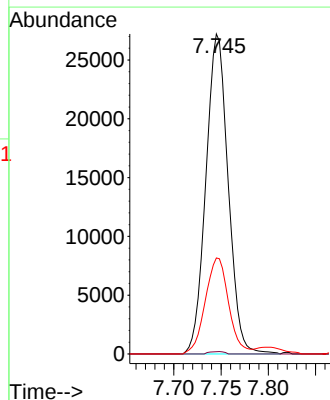
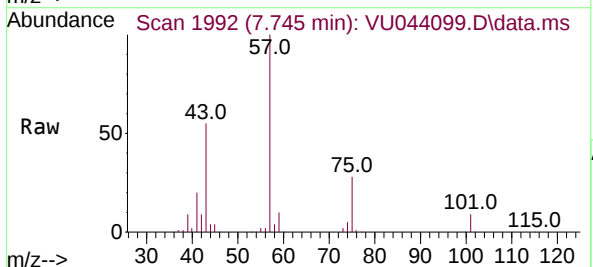
Instrument :
MSVOA_U
ClientSampled :

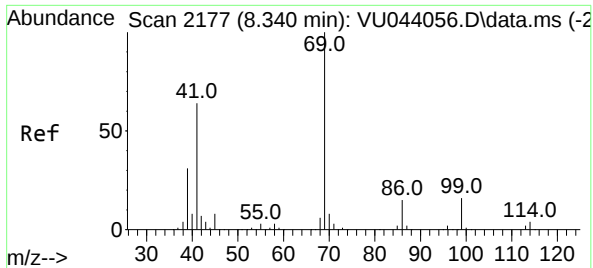
Tgt Ion: 43 Resp: 6963
Ion Ratio Lower Upper
43 100
58 37.1 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.811 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 75 Resp: 44585
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 30.0 34.7 52.1#

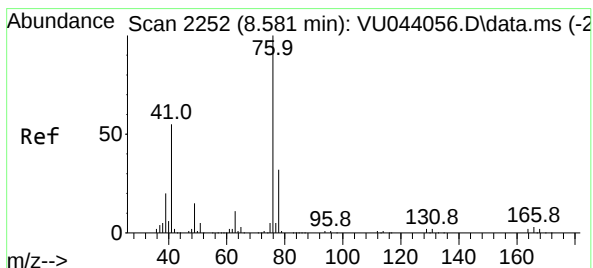
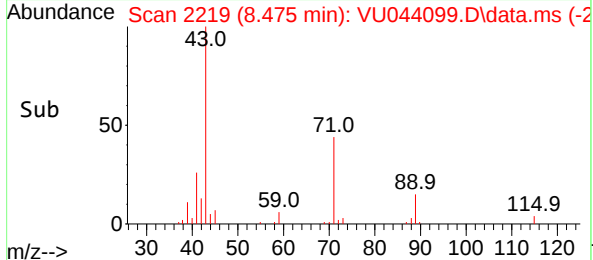
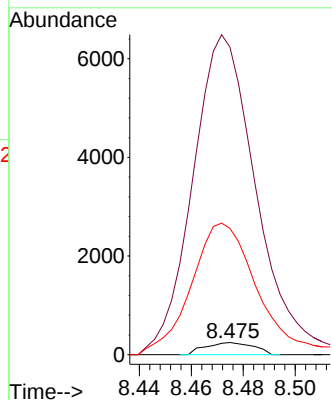
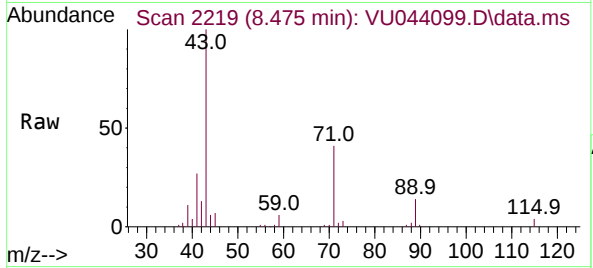




#56
Ethyl methacrylate
Concen: 3.433 ug/l
RT: 8.475 min Scan# 2219
Delta R.T. 0.135 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

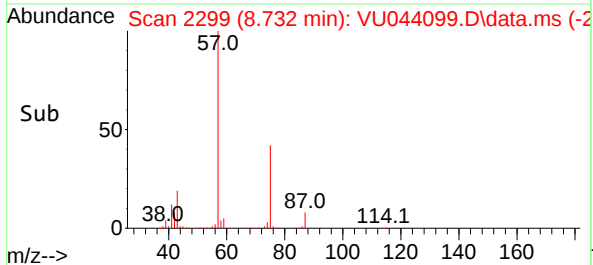
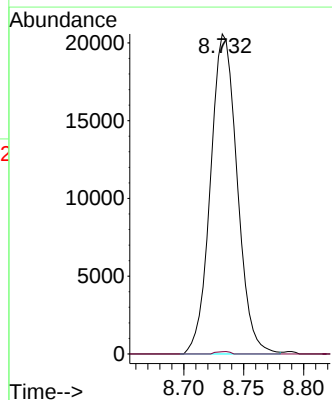
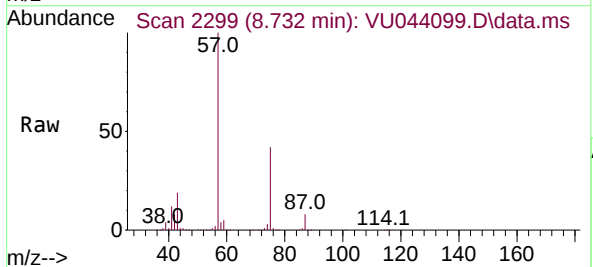
Instrument :
MSVOA_U
ClientSampled :

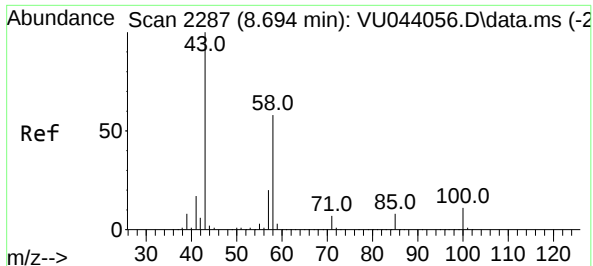
Tgt Ion: 69 Resp: 318
Ion Ratio Lower Upper
69 100
41 3468.2 51.4 77.0#
39 1493.1 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 5.075 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 76 Resp: 31904
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#

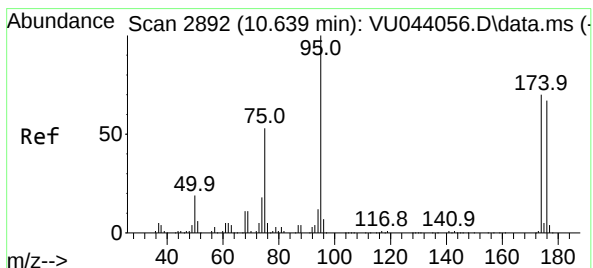
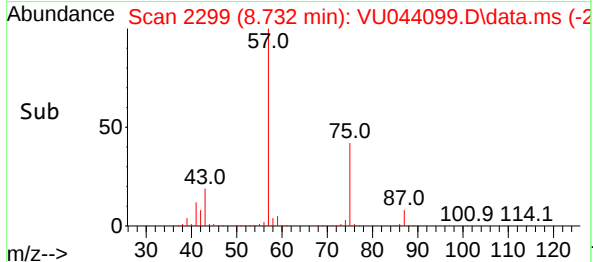
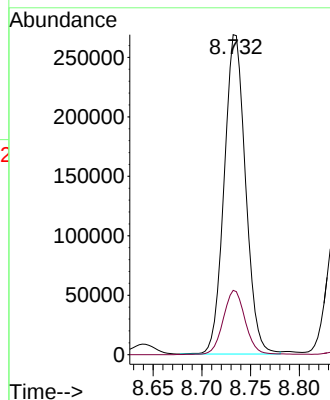
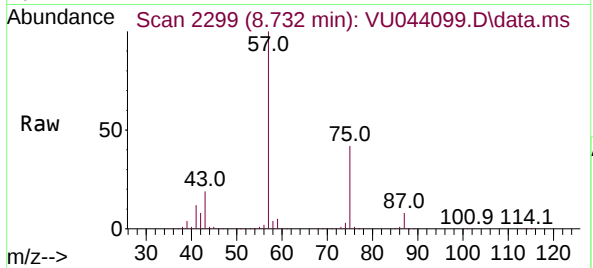




#59
2-Hexanone
Concen: 85.552 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

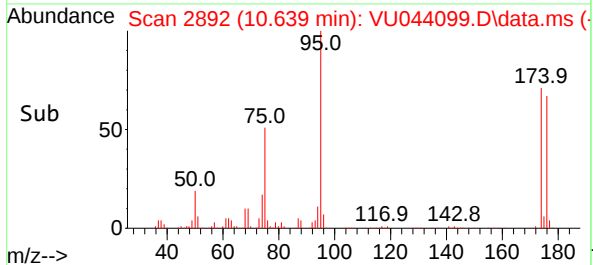
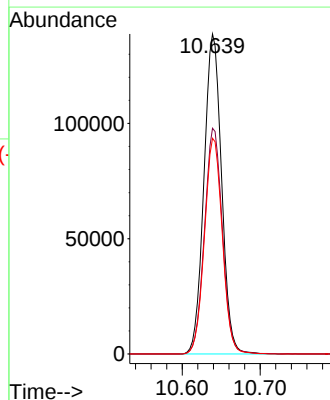
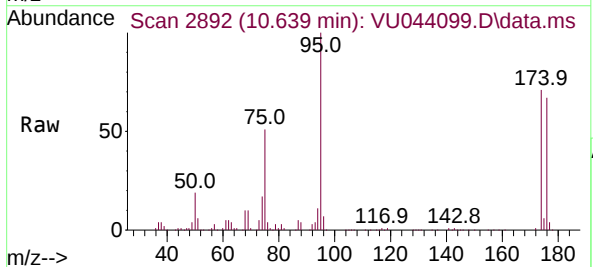
Instrument :
MSVOA_U
ClientSampled :

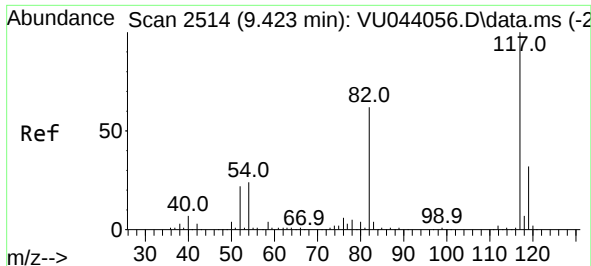
Tgt Ion: 43 Resp: 410538
Ion Ratio Lower Upper
43 100
58 20.9 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 48.224 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 95 Resp: 217743
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.0
176 68.3 0.0 135.2

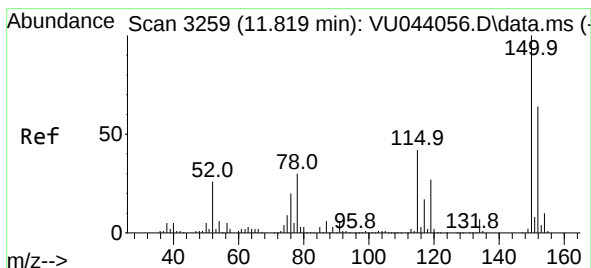
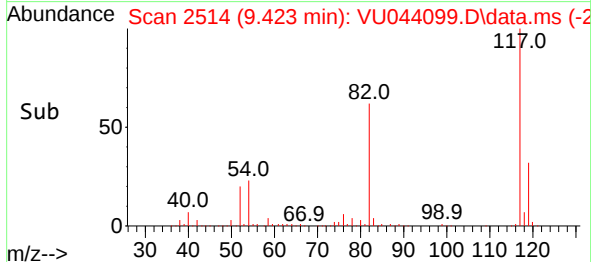
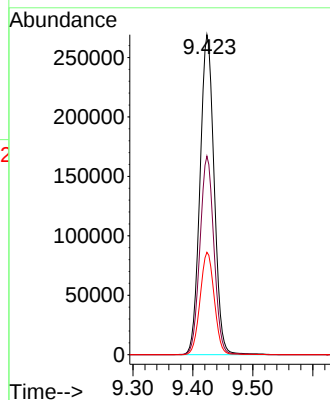
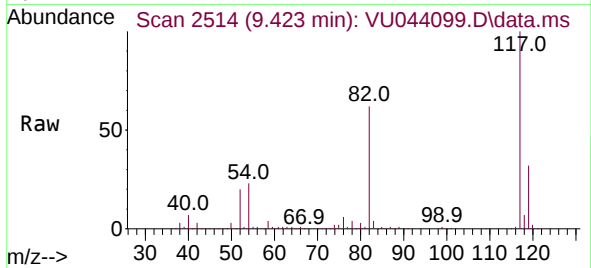




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

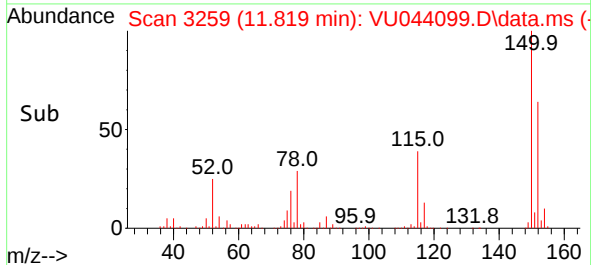
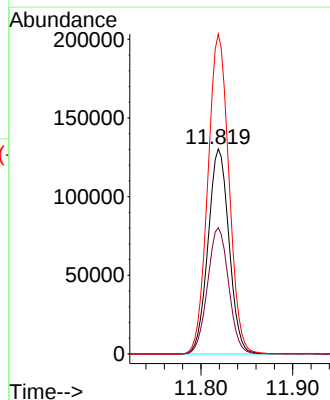
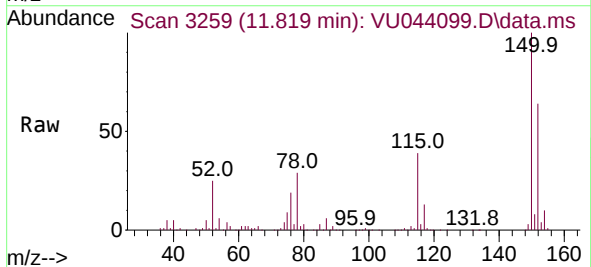
Instrument :
MSVOA_U
ClientSampled :

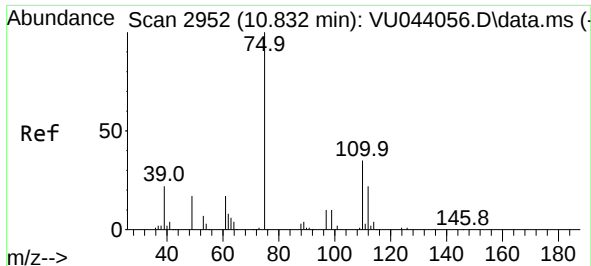
Tgt Ion:117 Resp: 442369
Ion Ratio Lower Upper
117 100
82 62.1 50.0 75.0
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion:152 Resp: 206824
Ion Ratio Lower Upper
152 100
115 62.1 44.6 134.0
150 157.0 0.0 347.8

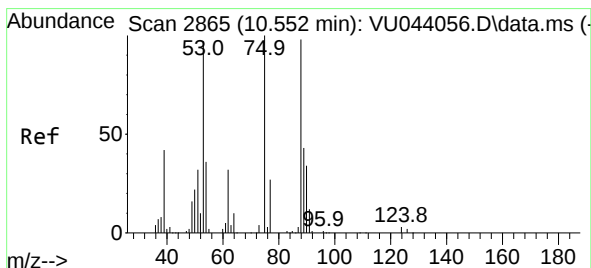
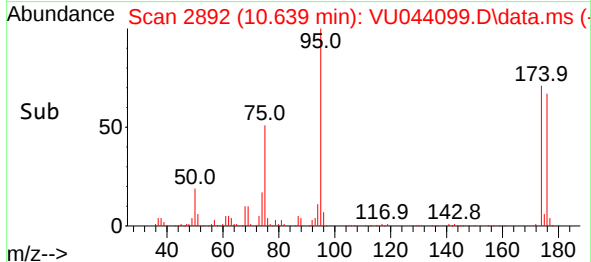
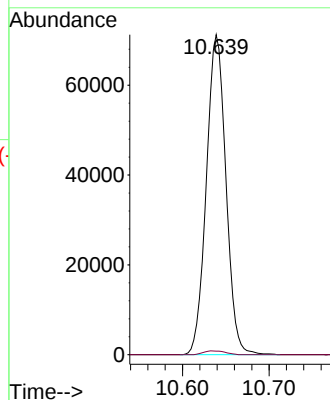
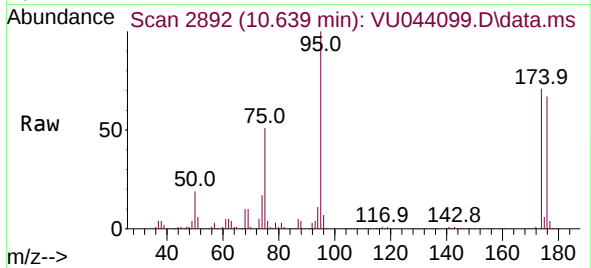




#76
1,2,3-Trichloropropane
Concen: 19.327 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

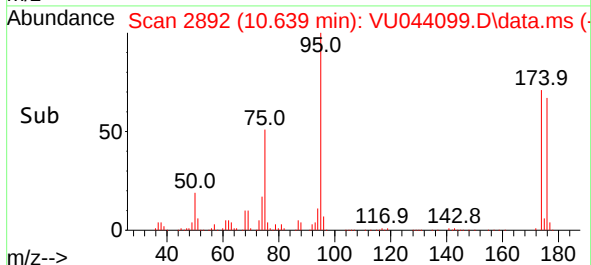
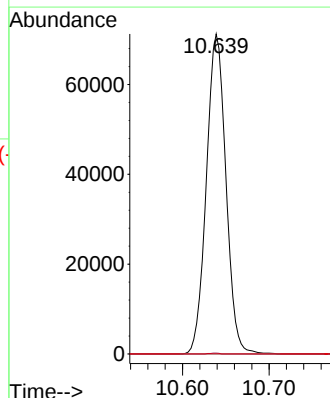
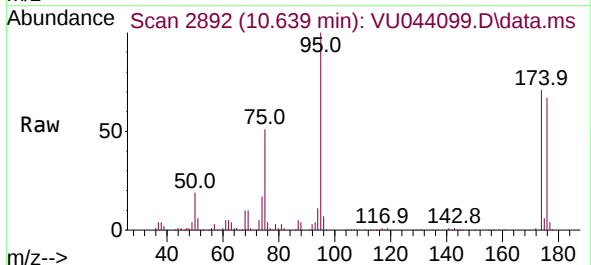
Instrument :
MSVOA_U
ClientSampled :

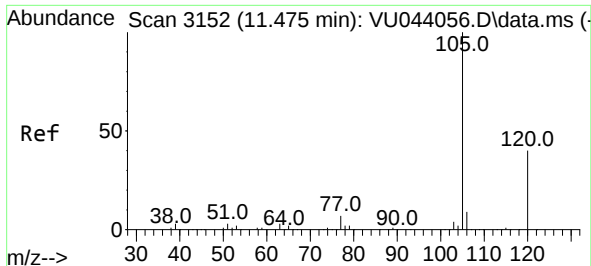
Tgt Ion: 75 Resp: 111824
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.436 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion: 75 Resp: 111824
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

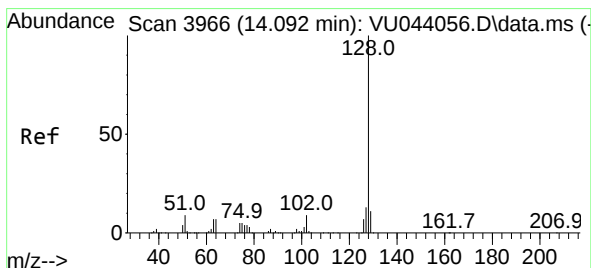
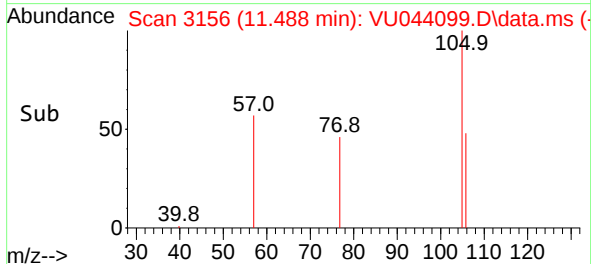
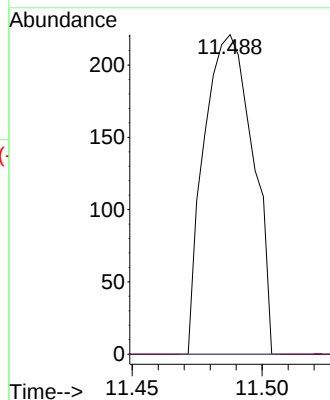
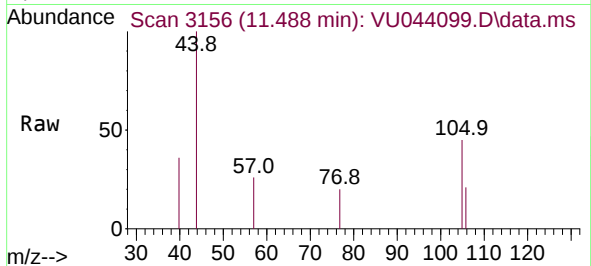




#84
1,2,4-Trimethylbenzene
Concen: 0.970 ug/l
RT: 11.488 min Scan# 3156
Delta R.T. 0.013 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 289
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.883 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.010 min
Lab File: VU044099.D
Acq: 08 Jun 2021 08:47

Tgt Ion:128 Resp: 564
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

