

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044125.D
 Acq On : 08 Jun 2021 20:04
 Operator : SY/MD
 Sample : M2612-36
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:15:31 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)

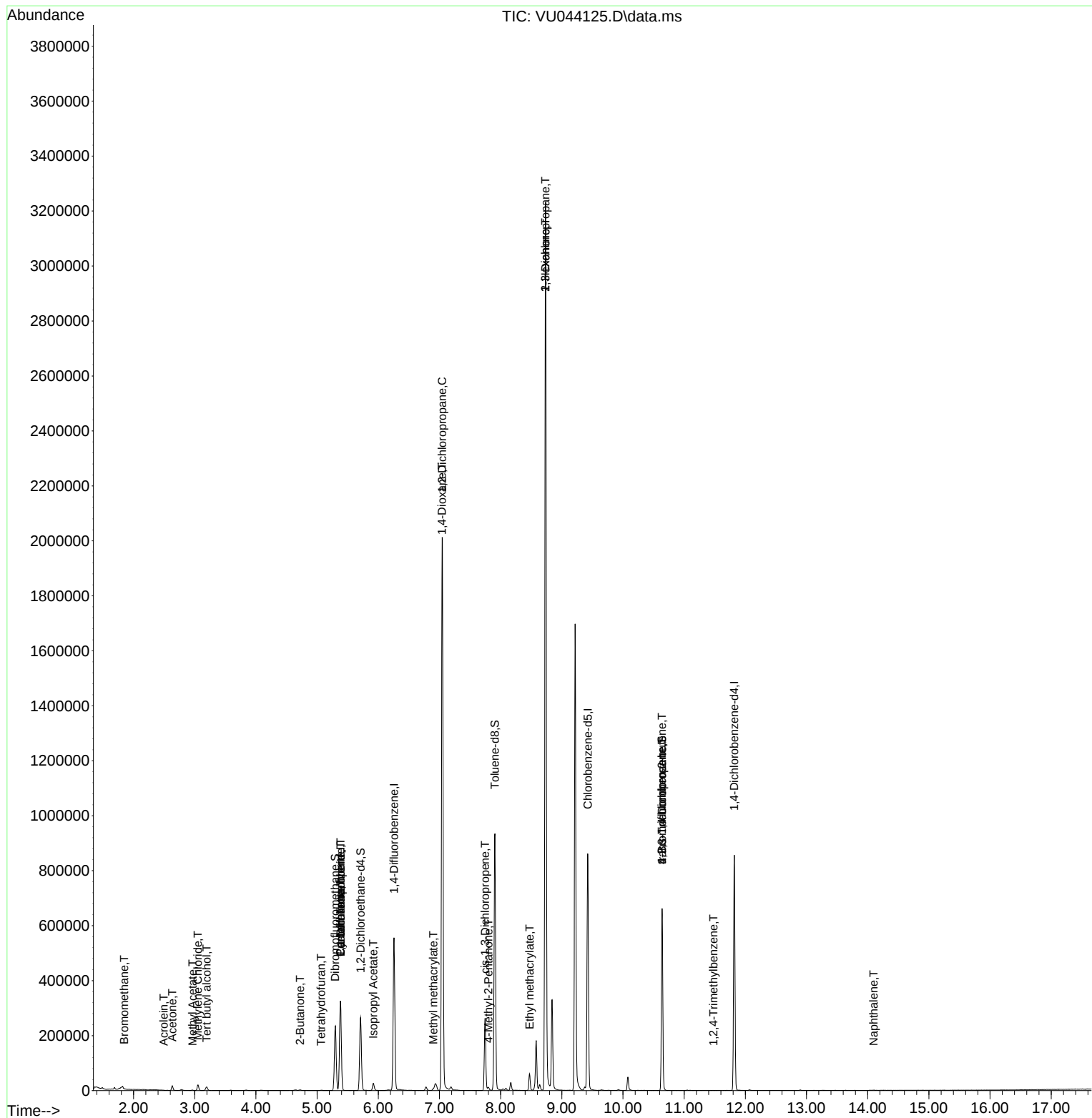
Internal Standards						
1) Pentafluorobenzene	5.382	168	214902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.257	114	425991	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	457858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	213164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195572	52.255	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.500%	
35) Dibromofluoromethane	5.295	113	150717	49.579	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.160%	
50) Toluene-d8	7.906	98	598793	51.066	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.140%	
62) 4-Bromofluorobenzene	10.639	95	223431	48.128	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.524	50	933	Below Cal	#	75
5) Bromomethane	1.845	94	479	0.290	ug/l #	78
11) Tert butyl alcohol	3.196	59	8504	9.165	ug/l #	72
13) Acrolein	2.495	56	425	0.583	ug/l #	80
16) Acetone	2.633	43	19173	8.876	ug/l	97
18) Methyl Acetate	2.964	43	2321	0.487	ug/l #	87
20) Methylene Chloride	3.051	84	9871	1.396	ug/l	97
25) 2-Butanone	4.723	43	3860	1.252	ug/l	95
29) Tetrahydrofuran	5.067	42	636	0.372	ug/l	92
31) Cyclohexane	5.382	56	5125	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19606	4.085	ug/l #	50
38) Carbon Tetrachloride	5.382	117	23890	5.509	ug/l #	17
43) Isopropyl Acetate	5.919	43	27078	3.167	ug/l	98
45) 1,2-Dichloropropane	7.044	63	2445	0.619	ug/l #	42
48) Methyl methacrylate	6.900	41	9862	2.339	ug/l #	14
49) 1,4-Dioxane	7.041	88	199	1.920	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6838	1.077	ug/l	98
54) cis-1,3-Dichloropropene	7.745	75	46572	7.935	ug/l #	64
56) Ethyl methacrylate	8.472	69	403	3.445	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32514	5.031	ug/l #	42
59) 2-Hexanone	8.732	43	428439	86.837	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	114157	19.144	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	114157	55.900	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	319	0.972	ug/l #	32
95) Naphthalene	14.099	128	1164	2.921	ug/l #	69

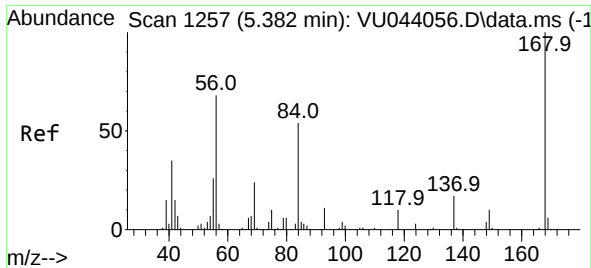
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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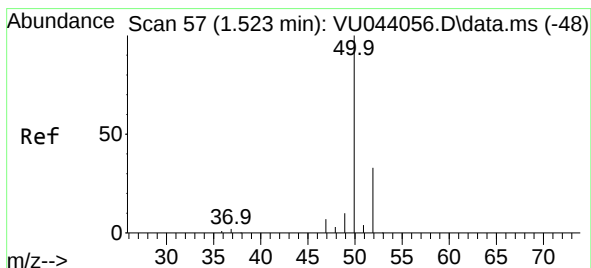
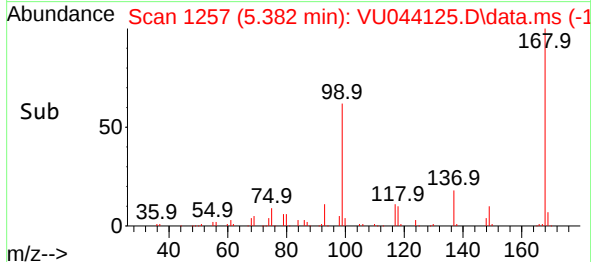
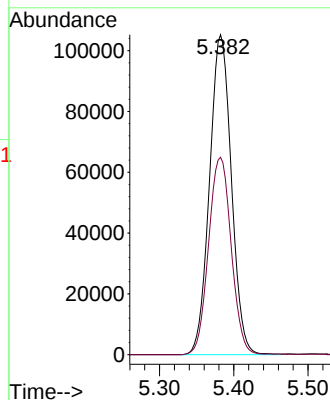
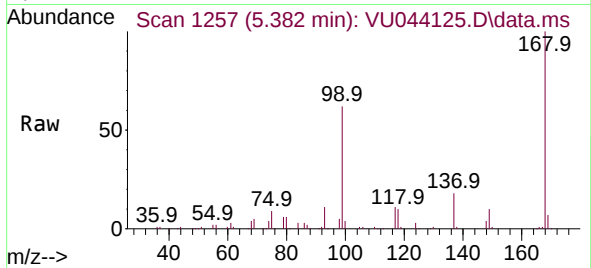




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

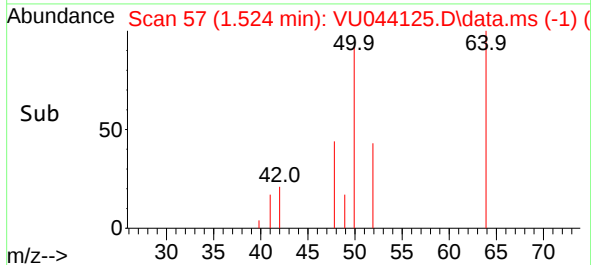
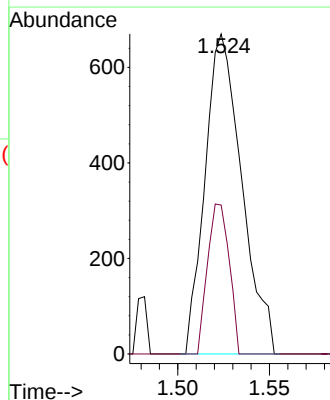
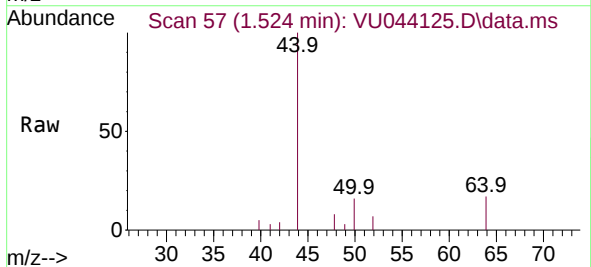
Instrument :
MSVOA_U
ClientSampleId :

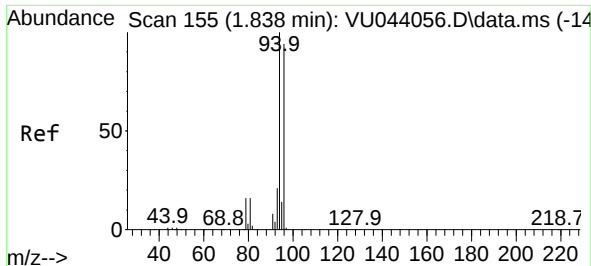
Tgt Ion:168 Resp: 214902
Ion Ratio Lower Upper
168 100
99 61.7 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.001 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 50 Resp: 933
Ion Ratio Lower Upper
50 100
52 46.6 26.2 39.2#

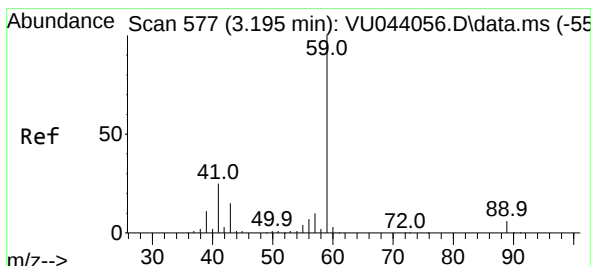
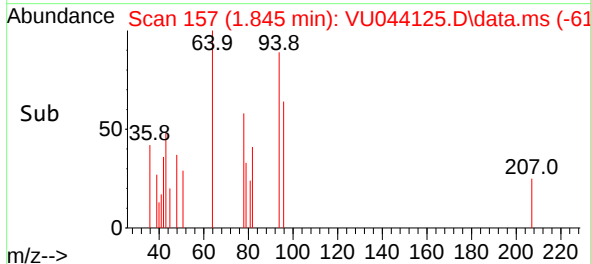
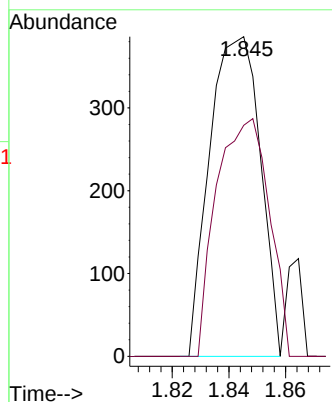
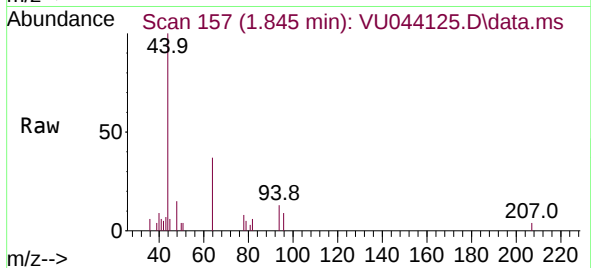




#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.007 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

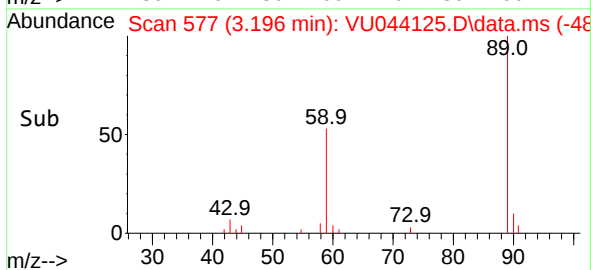
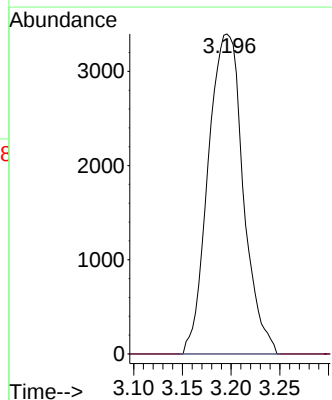
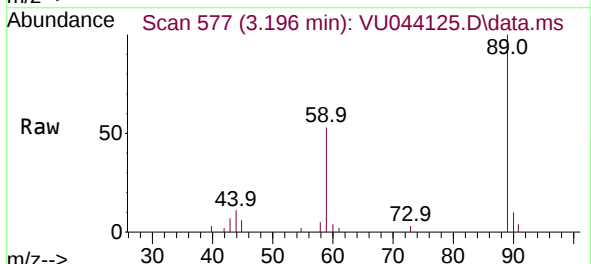
Instrument :
MSVOA_U
ClientSampleId :

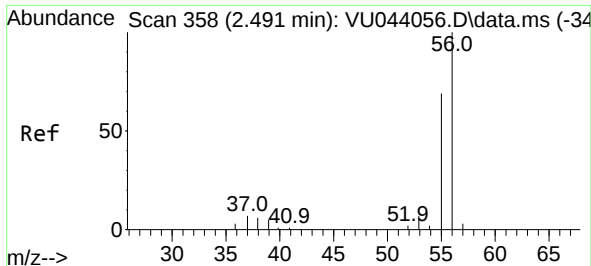
Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 72.3 74.8 112.2#



#11
Tert butyl alcohol
Concen: 9.165 ug/l
RT: 3.196 min Scan# 577
Delta R.T. 0.001 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 59 Resp: 8504
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

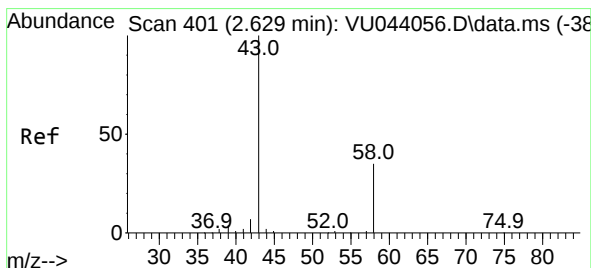
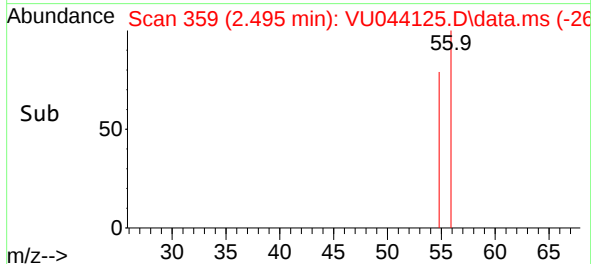
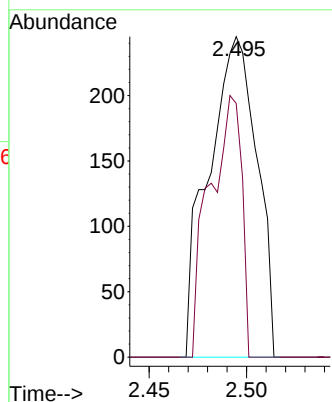
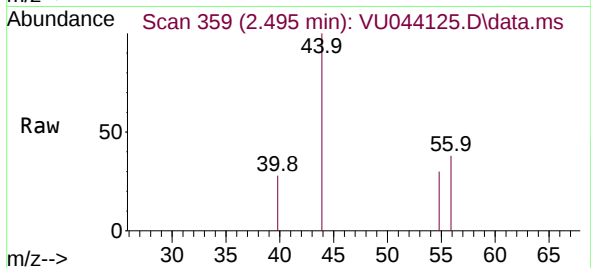




#13
Acrolein
Concen: 0.583 ug/l
RT: 2.495 min Scan# 359
Delta R.T. 0.004 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

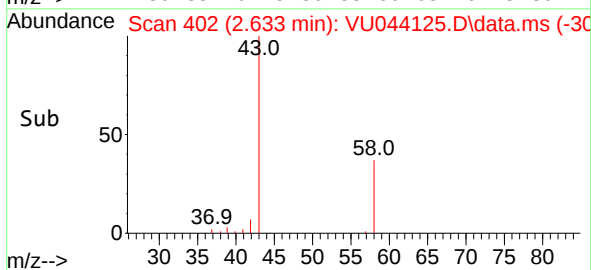
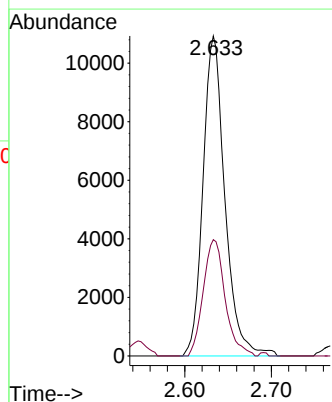
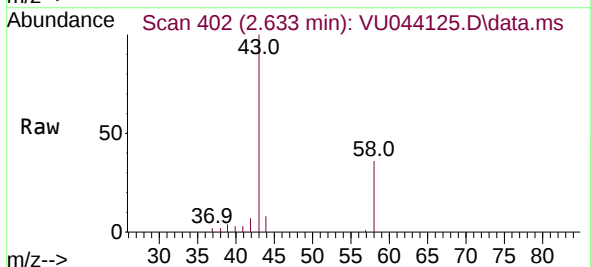
Instrument :
MSVOA_U
ClientSampled :

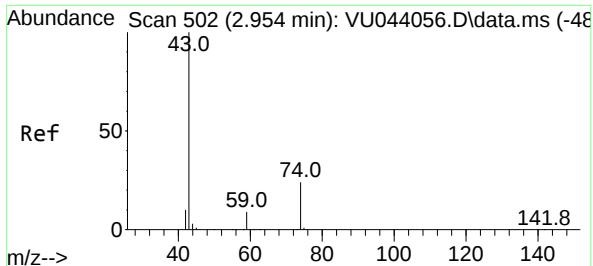
Tgt Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 53.6 56.1 84.1#



#16
Acetone
Concen: 8.876 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 43 Resp: 19173
Ion Ratio Lower Upper
43 100
58 36.4 27.7 41.5

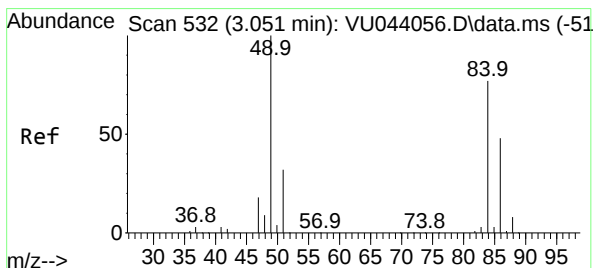
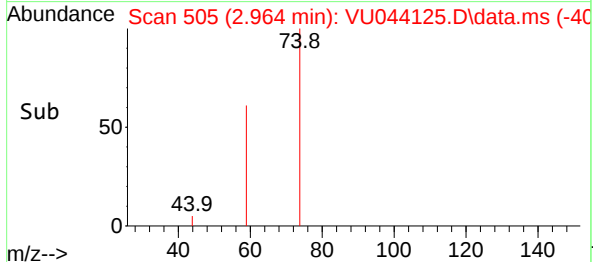
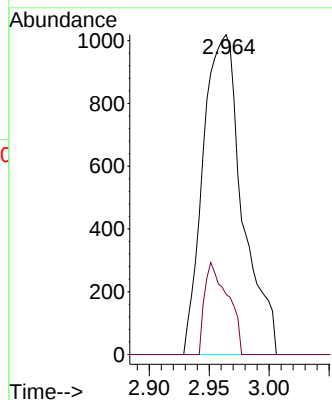
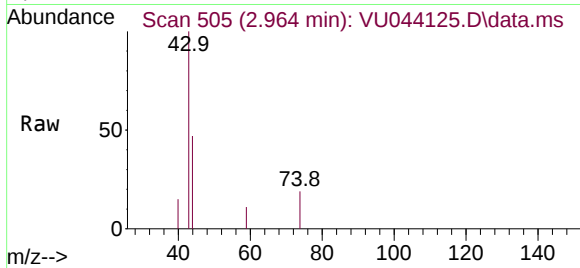




#18
Methyl Acetate
Concen: 0.487 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

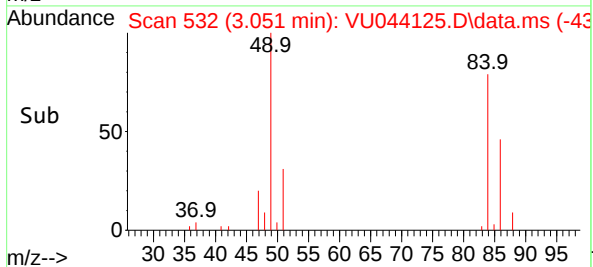
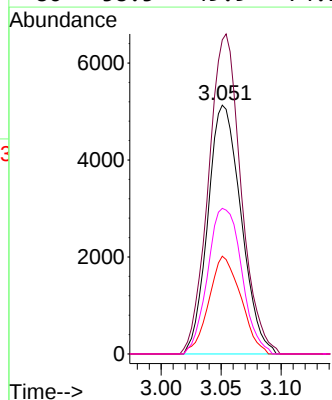
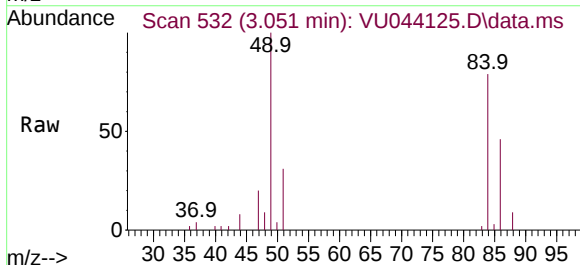
Instrument :
MSVOA_U
ClientSampled :

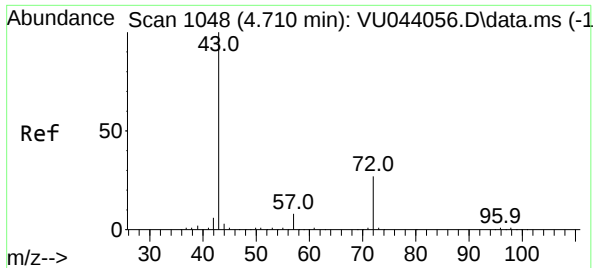
Tgt Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
74 17.0 18.7 28.1#



#20
Methylene Chloride
Concen: 1.396 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 84 Resp: 9871
Ion Ratio Lower Upper
84 100
49 126.2 103.6 155.4
51 39.3 32.8 49.2
86 58.5 49.9 74.9

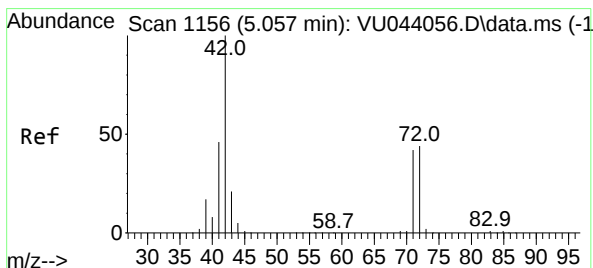
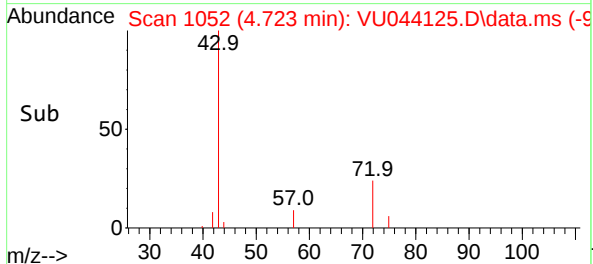
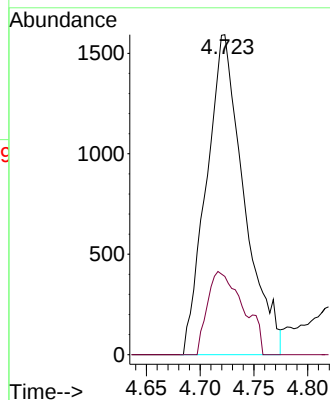
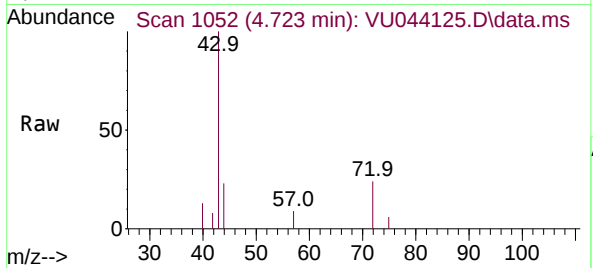




#25
2-Butanone
Concen: 1.252 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

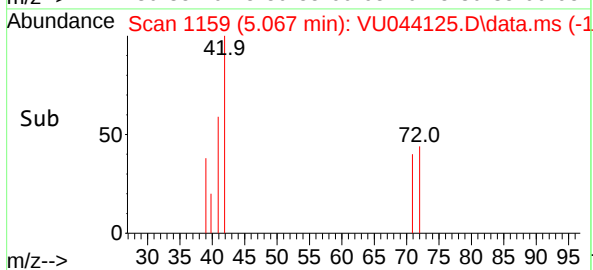
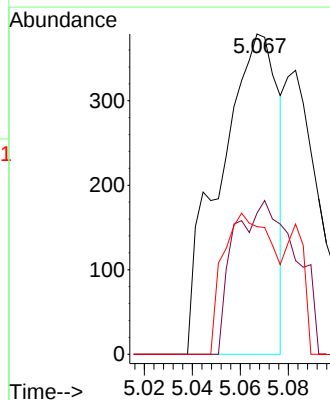
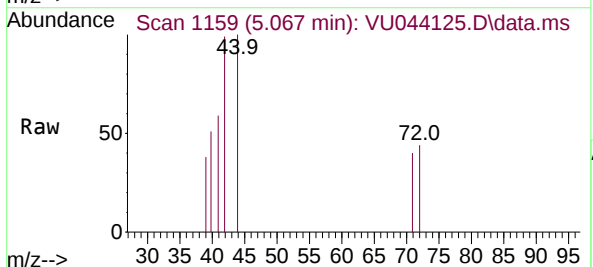
Instrument :
MSVOA_U
ClientSampled :

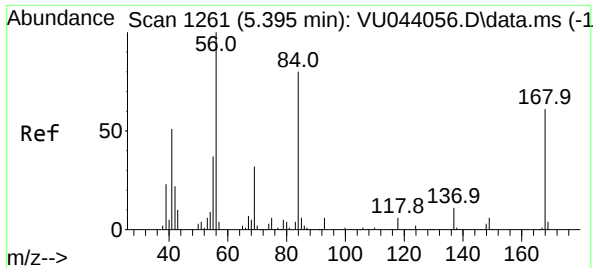
Tgt Ion: 43 Resp: 3860
Ion Ratio Lower Upper
43 100
72 24.4 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 42 Resp: 636
Ion Ratio Lower Upper
42 100
72 51.1 35.6 53.4
71 37.7 33.3 49.9

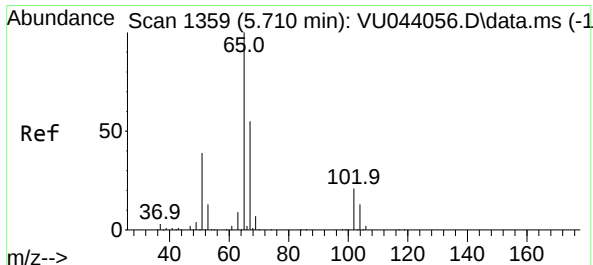
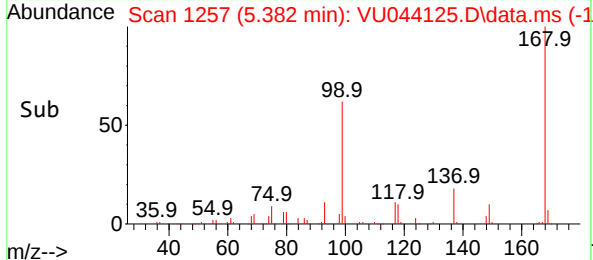
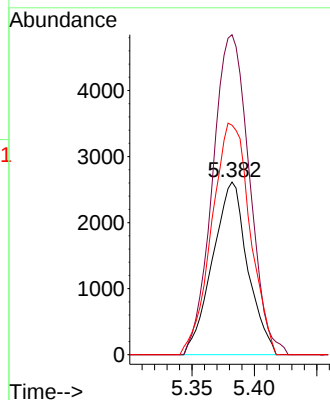
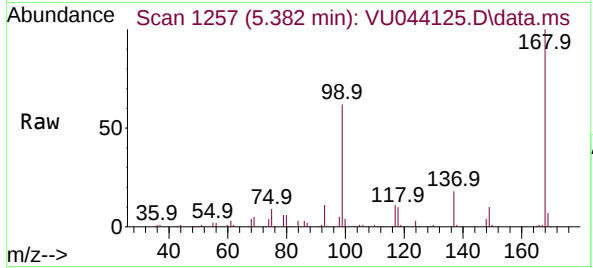




#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

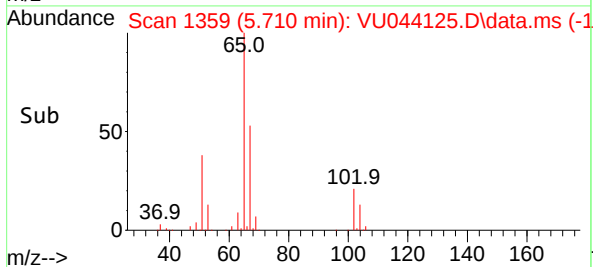
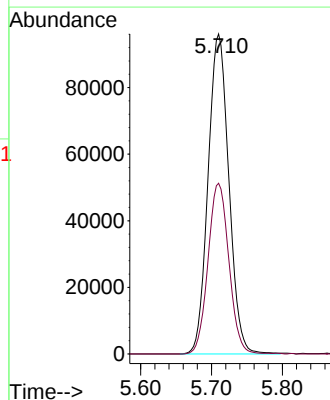
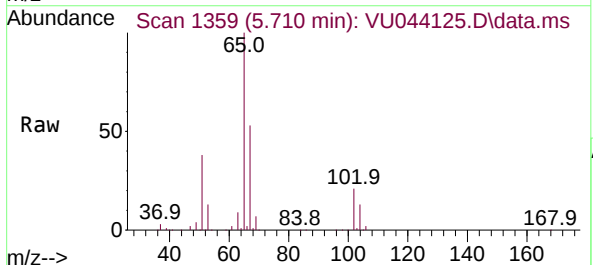
Instrument :
MSVOA_U
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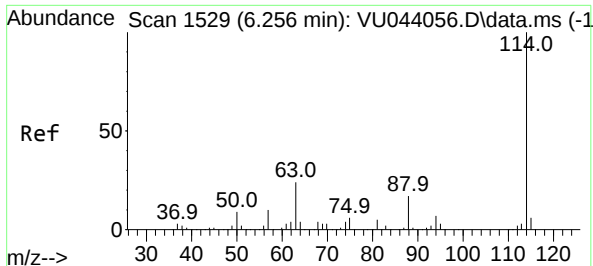
Tgt Ion: 56 Resp: 5125
Ion Ratio Lower Upper
56 100
69 185.4 25.4 38.2#
84 132.9 64.2 96.2#



#33
1,2-Dichloroethane-d4
Concen: 52.255 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 65 Resp: 195572
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.2

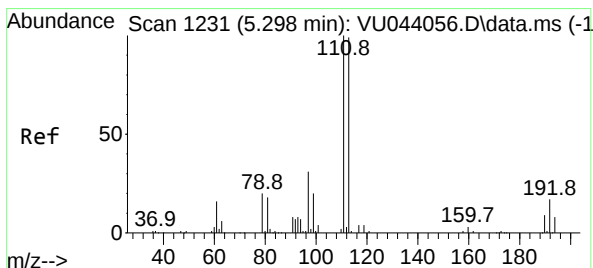
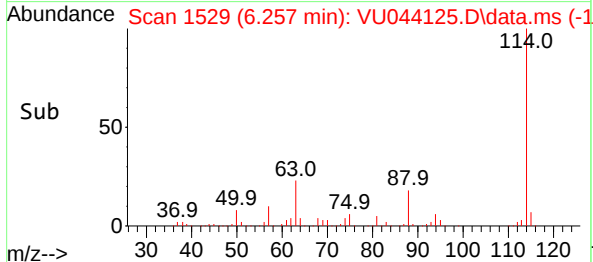
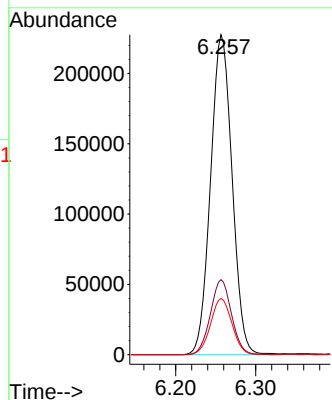
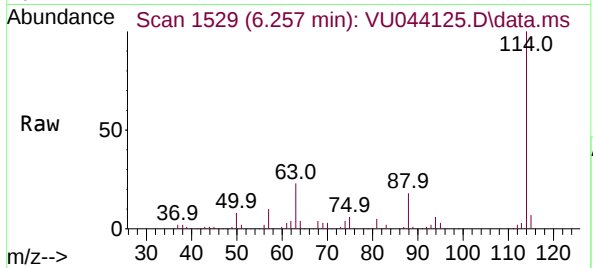




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.257 min Scan# 1529
Delta R.T. 0.001 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

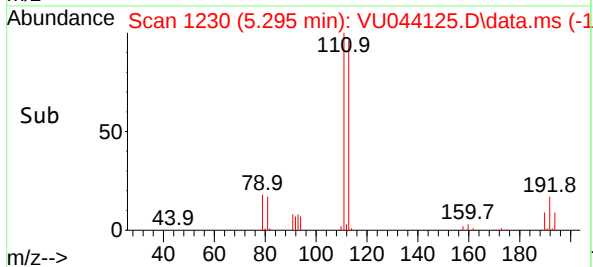
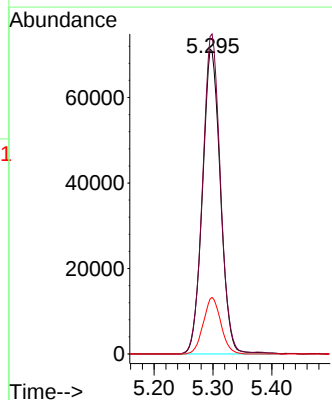
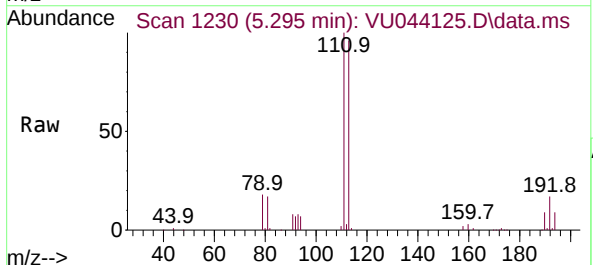
Instrument :
MSVOA_U
ClientSampleId :

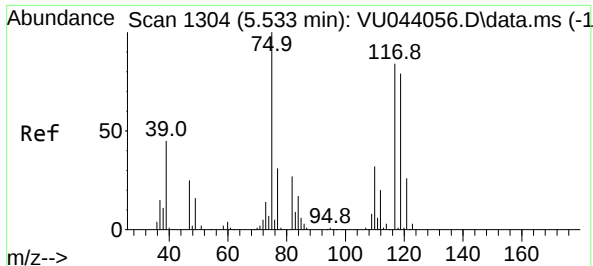
Tgt Ion:114 Resp: 425991
Ion Ratio Lower Upper
114 100
63 23.4 0.0 48.4
88 17.6 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.579 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.003 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion:113 Resp: 150717
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 18.2 13.8 20.8

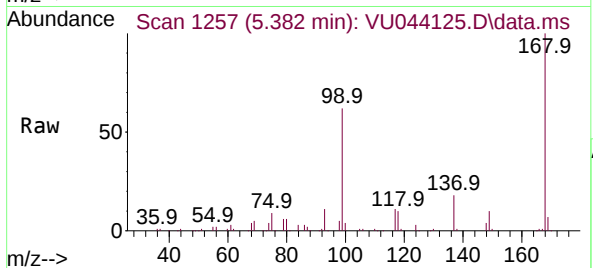




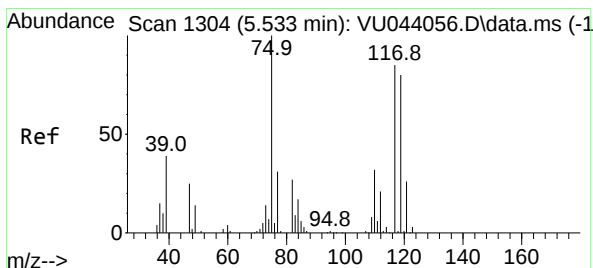
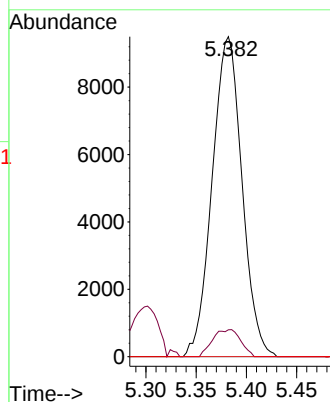
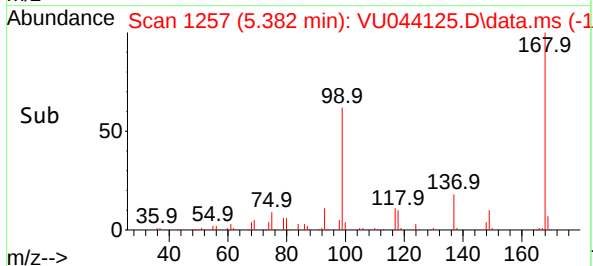
#36

1,1-Dichloropropene
Concen: 4.085 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Instrument :
MSVOA_U
ClientSampled :

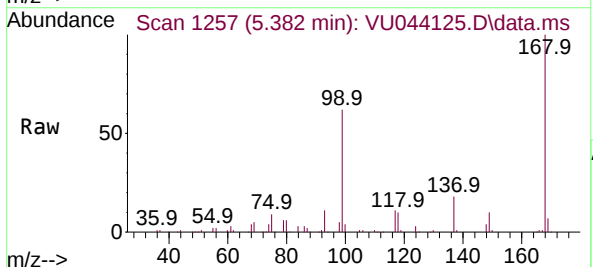


Tgt Ion:	75	Resp:	19606
Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.9	47.7#
77	0.0	25.0	37.4#

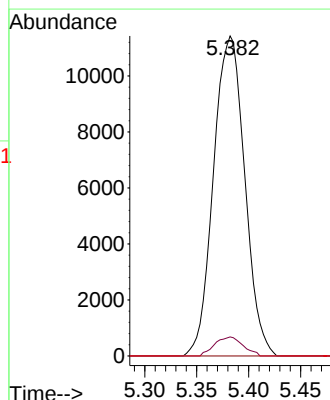
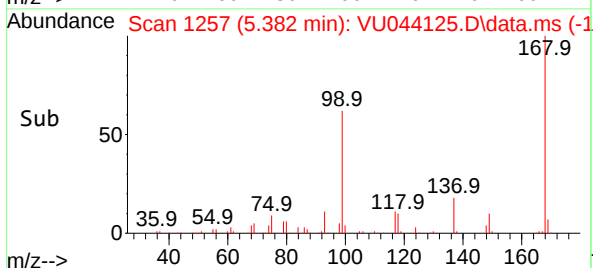


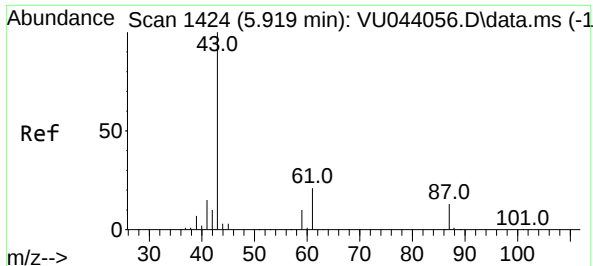
#38

Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04



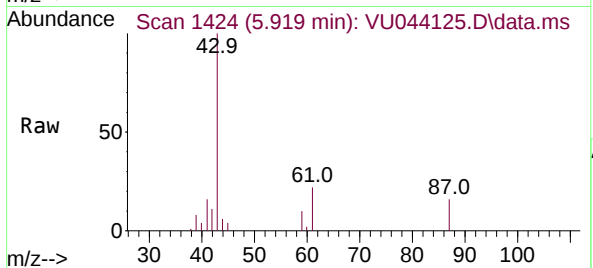
Tgt Ion:	117	Resp:	23890
Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.4	113.2#
121	0.0	24.5	36.7#



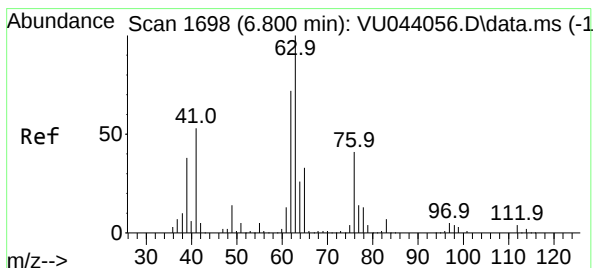
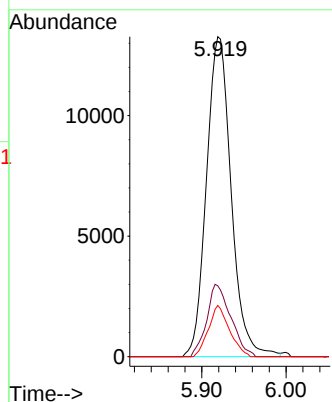
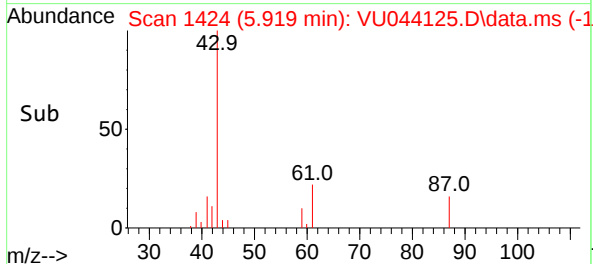


#43
Isopropyl Acetate
Concen: 3.167 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

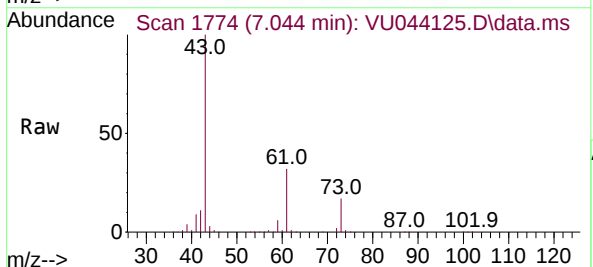
Instrument :
MSVOA_U
ClientSampled :



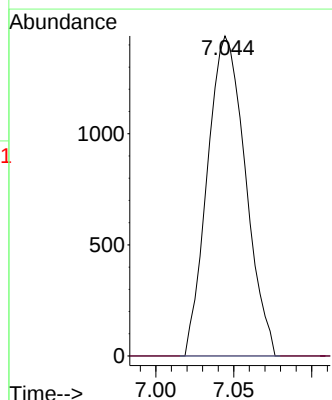
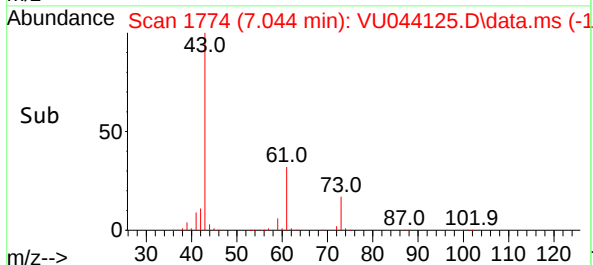
Tgt Ion:	43	Resp:	27078
Ion Ratio	Lower	Upper	
43	100		
61	21.9	16.8	25.2
87	13.6	10.2	15.2

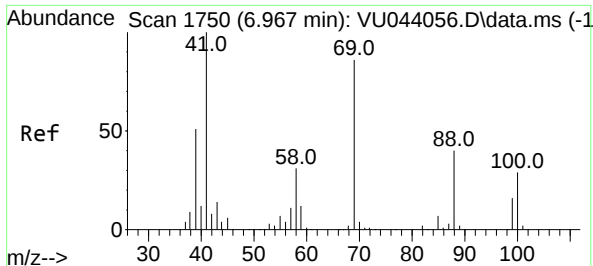


#45
1,2-Dichloropropane
Concen: 0.619 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04



Tgt Ion:	63	Resp:	2445
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5#

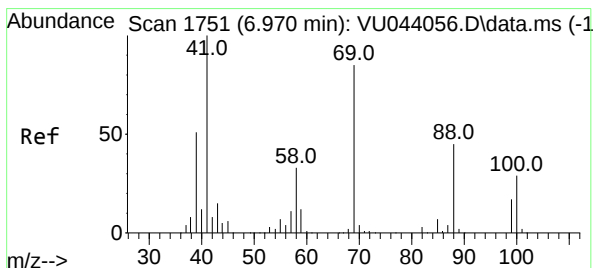
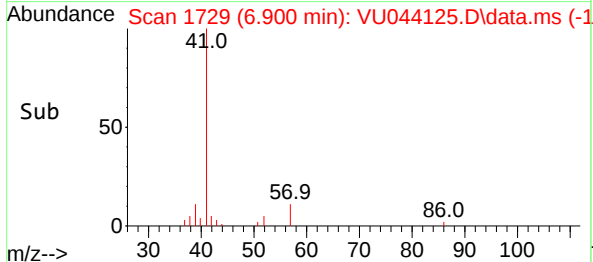
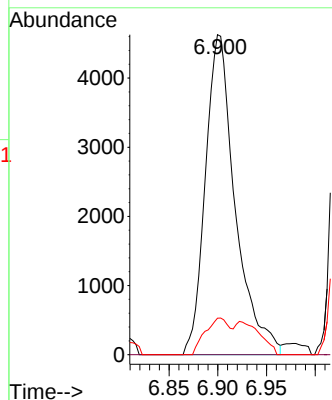
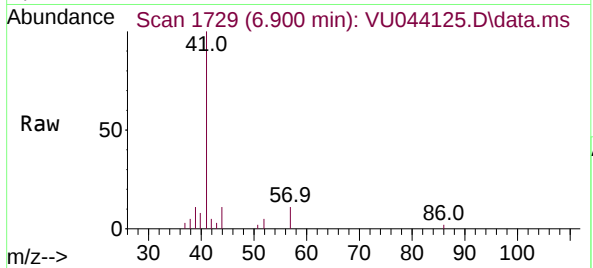




#48
Methyl methacrylate
Concen: 2.339 ug/l
RT: 6.900 min Scan# 1729
Delta R.T. -0.067 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

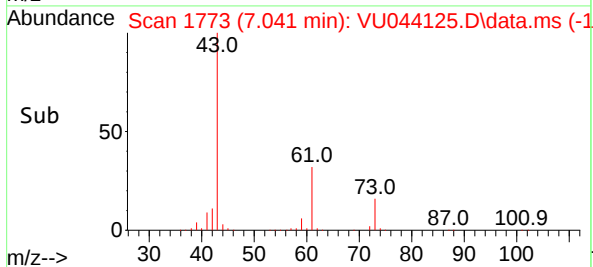
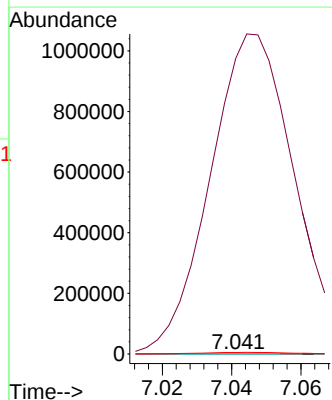
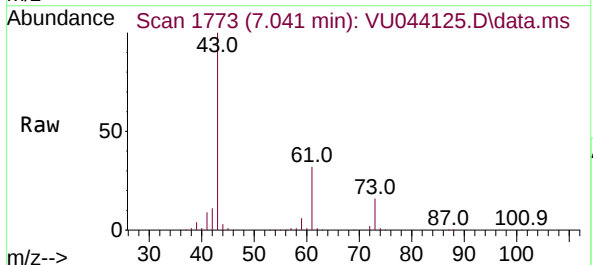
Instrument :
MSVOA_U
ClientSampled :

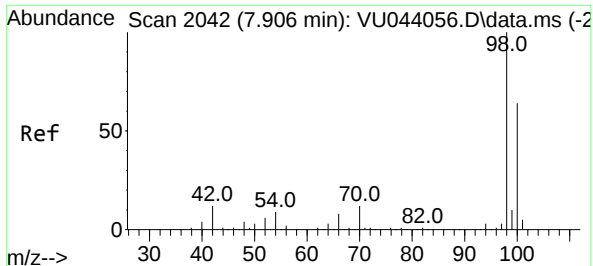
Tgt Ion: 41 Resp: 9862
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 1.920 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.071 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 916595.0 25.0 37.4#
58 4922.1 60.0 90.0#

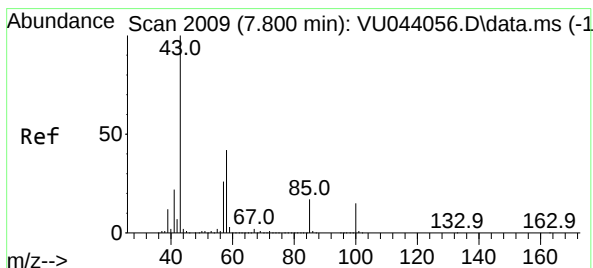
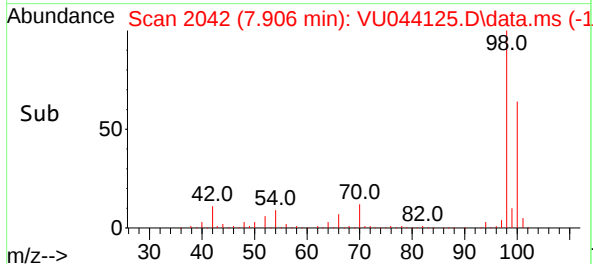
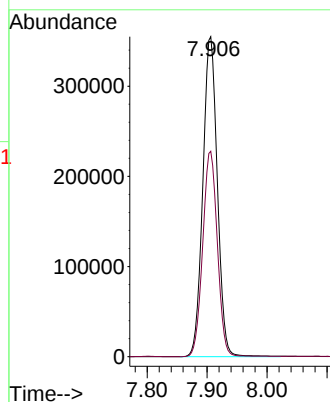
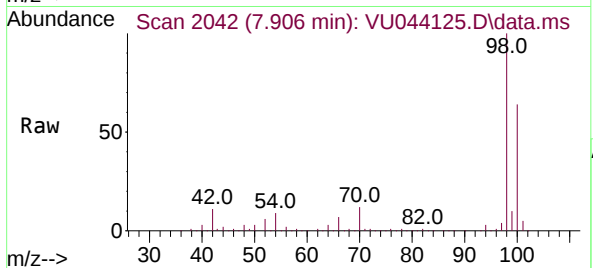




#50
Toluene-d8
Concen: 51.066 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

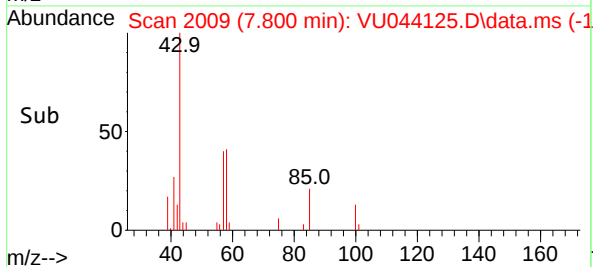
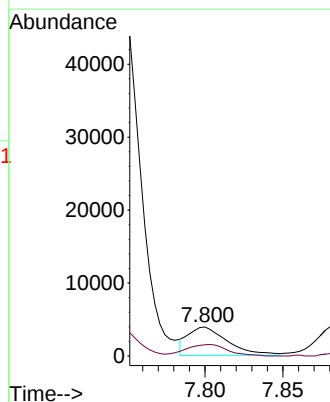
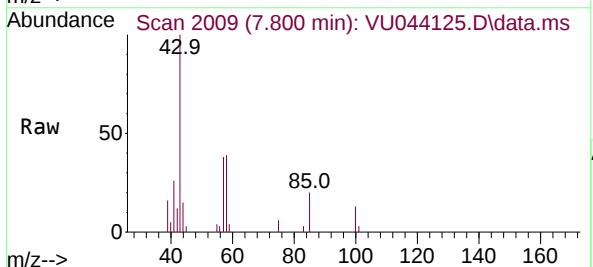
Instrument :
MSVOA_U
ClientSampled :

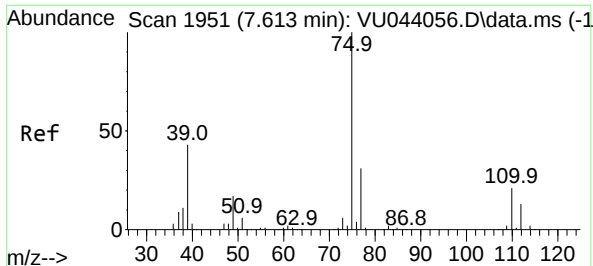
Tgt Ion: 98 Resp: 598793
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.077 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 43 Resp: 6838
Ion Ratio Lower Upper
43 100
58 42.6 33.3 49.9

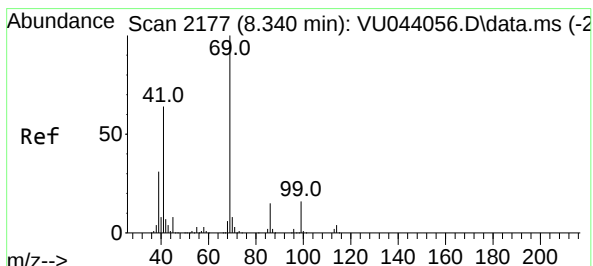
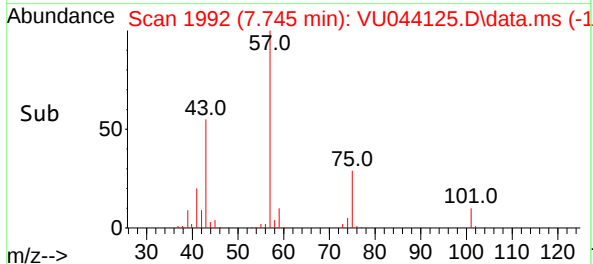
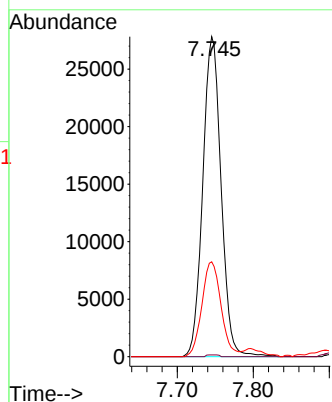
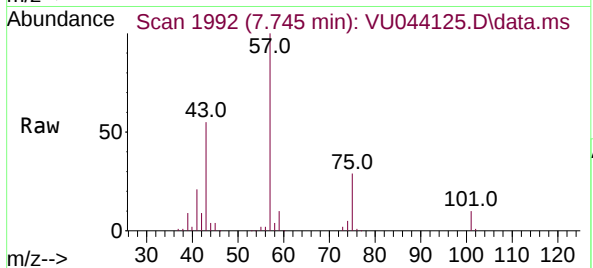




#54
 cis-1,3-Dichloropropene
 Concen: 7.935 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044125.D
 Acq: 08 Jun 2021 20:04

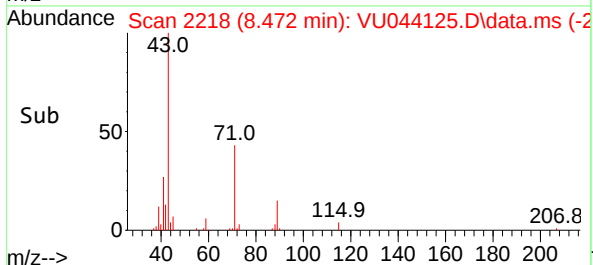
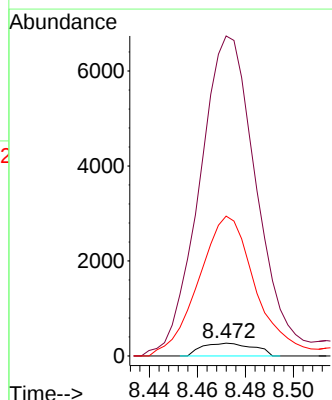
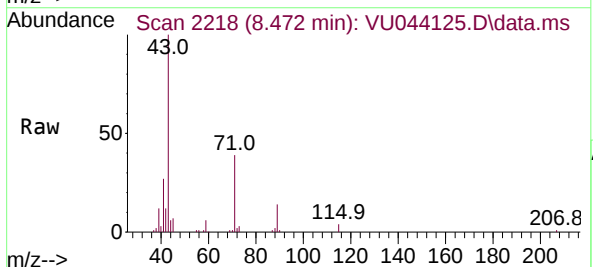
Instrument :
 MSVOA_U
 ClientSampleId :

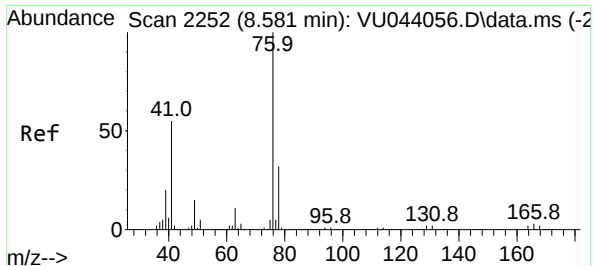
Tgt Ion: 75 Resp: 46572
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 29.7 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.445 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044125.D
 Acq: 08 Jun 2021 20:04

Tgt Ion: 69 Resp: 403
 Ion Ratio Lower Upper
 69 100
 41 2763.5 51.4 77.0#
 39 1213.2 24.9 37.3#



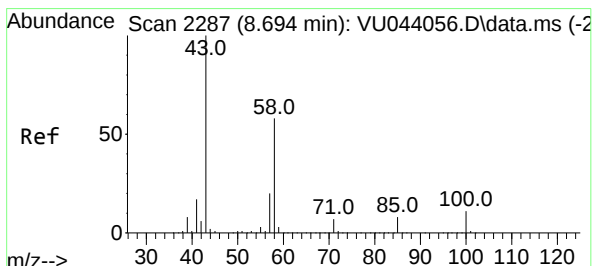
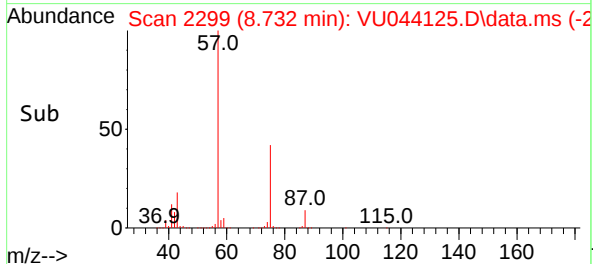
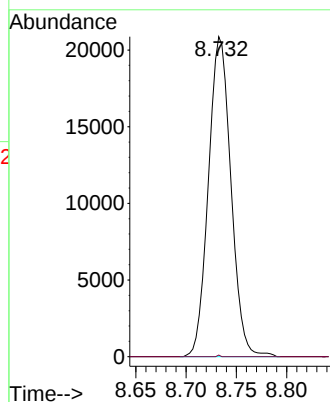
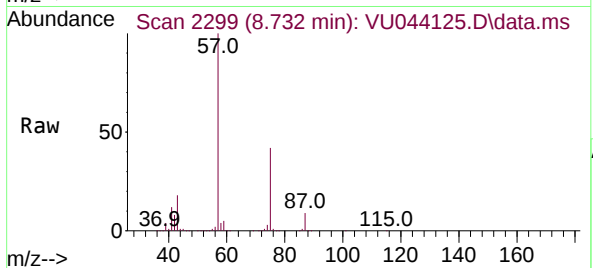


#57

1,3-Dichloropropane
Concen: 5.031 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Instrument :
MSVOA_U
ClientSampled :

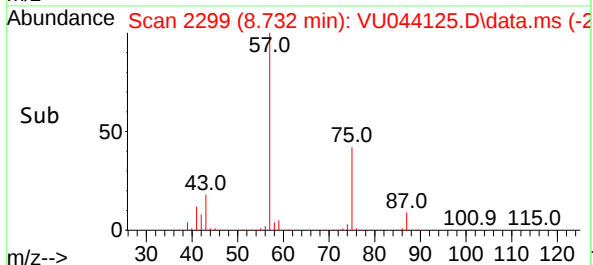
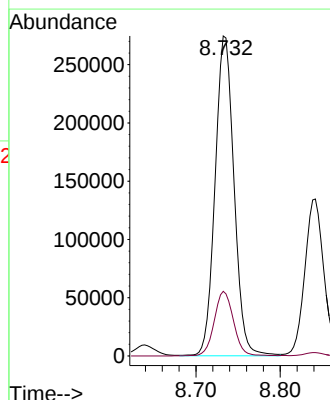
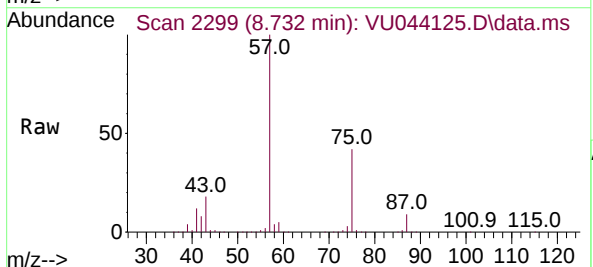
Tgt Ion: 76 Resp: 32514
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

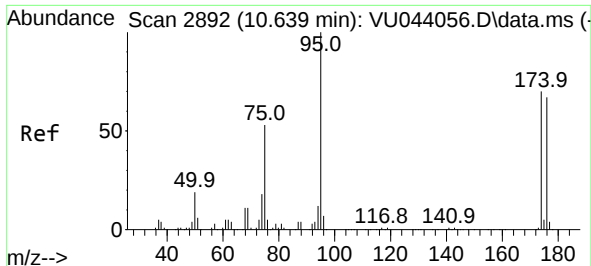


#59

2-Hexanone
Concen: 86.837 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 43 Resp: 428439
Ion Ratio Lower Upper
43 100
58 20.6 29.0 87.1#

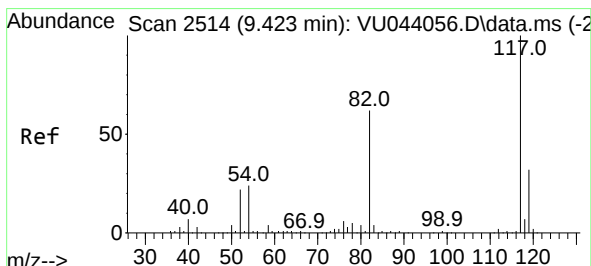
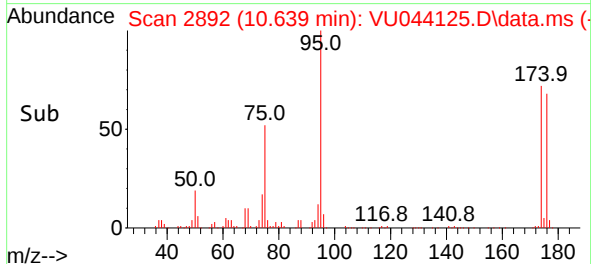
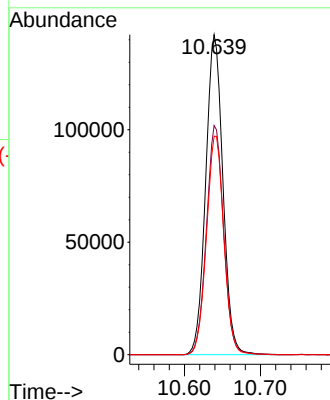
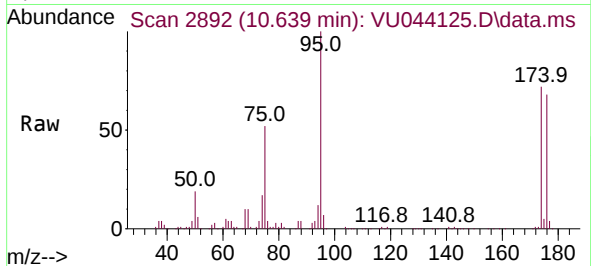




#62
4-Bromofluorobenzene
Concen: 48.128 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

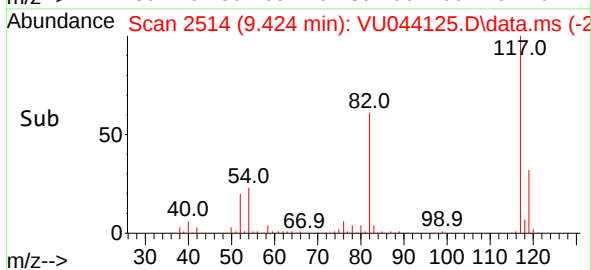
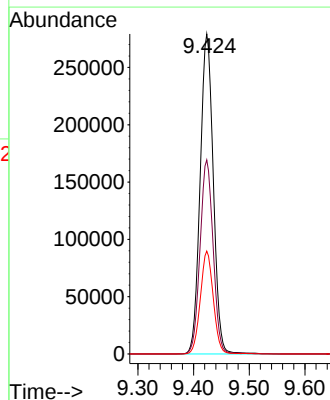
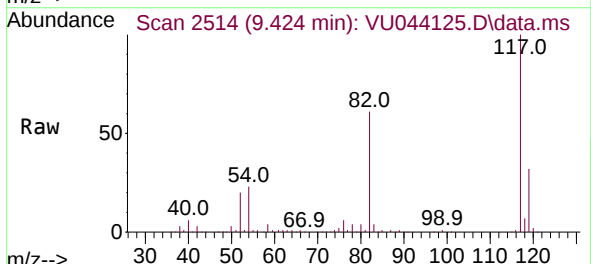
Instrument :
MSVOA_U
ClientSampleId :

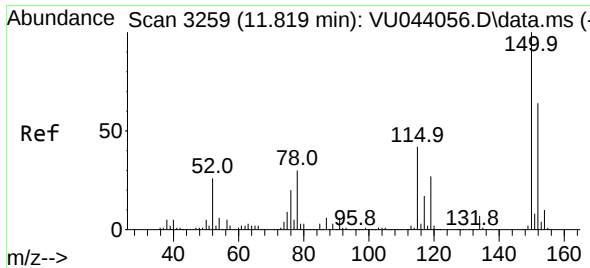
Tgt Ion: 95 Resp: 223431
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.0
176 68.9 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.001 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Tgt Ion: 117 Resp: 457858
Ion Ratio Lower Upper
117 100
82 60.7 50.0 75.0
119 32.1 25.9 38.9

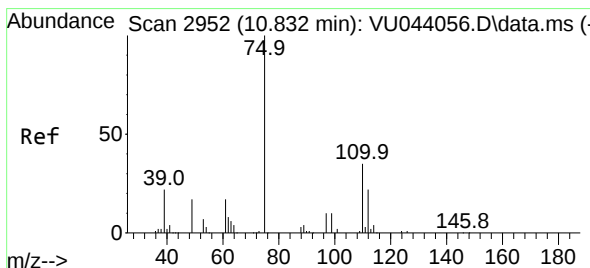
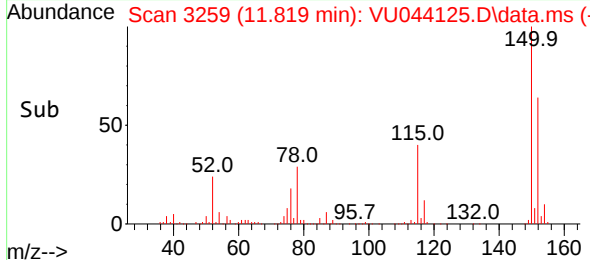
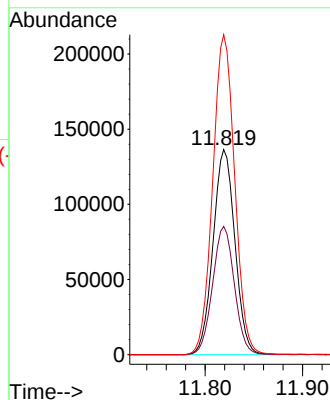
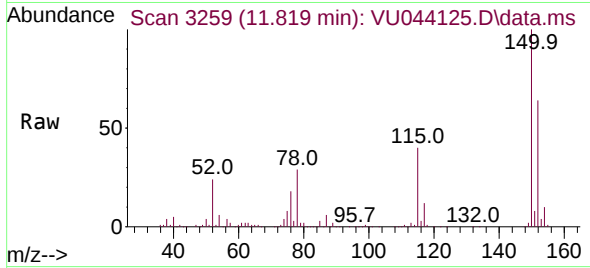




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044125.D
 Acq: 08 Jun 2021 20:04

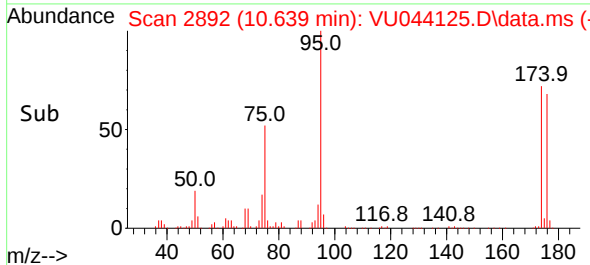
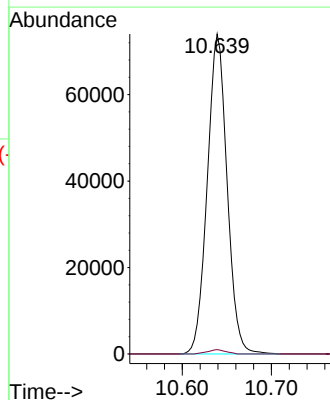
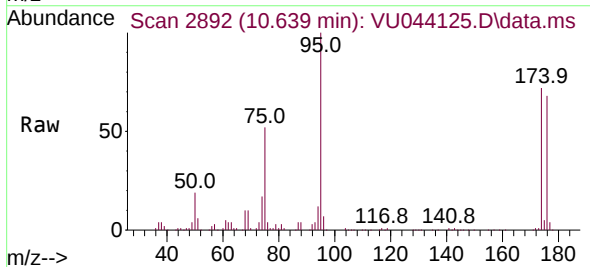
Instrument :
 MSVOA_U
 ClientSampleId :

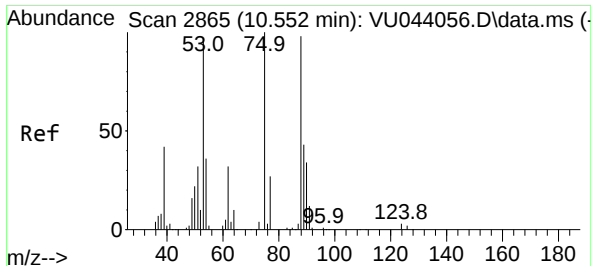
Tgt Ion:152 Resp: 213164
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.6 134.0
 150 156.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.144 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044125.D
 Acq: 08 Jun 2021 20:04

Tgt Ion: 75 Resp: 114157
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

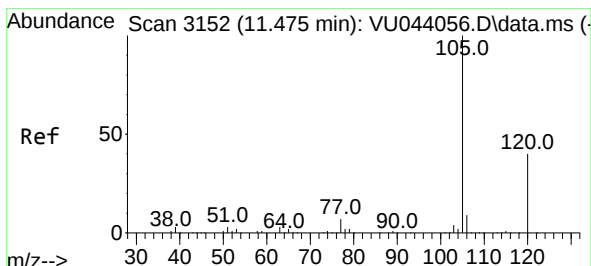
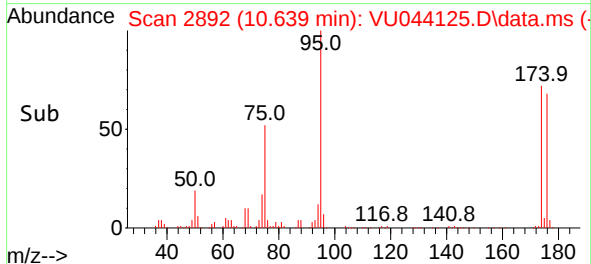
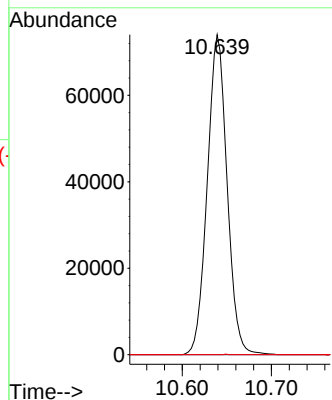
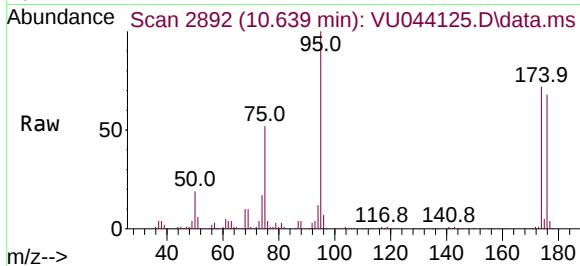




#81
trans-1,4-Dichloro-2-butene
Concen: 55.900 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

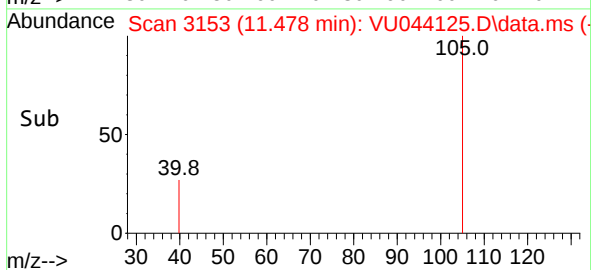
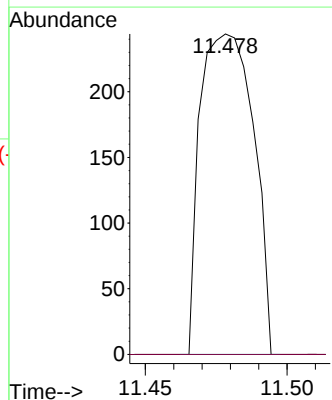
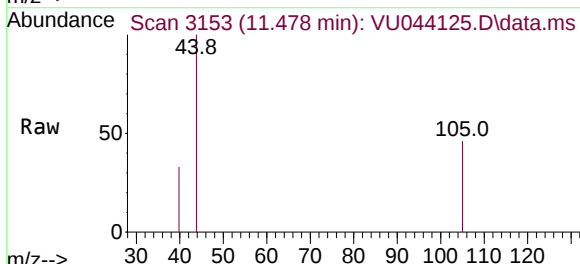
Instrument :
MSVOA_U
ClientSampleId :

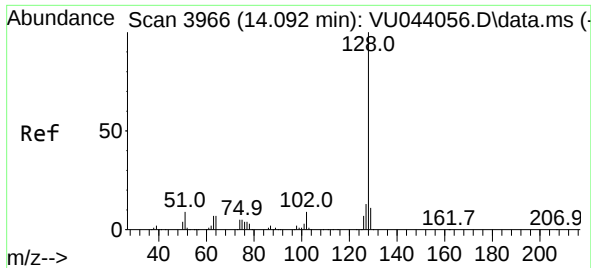
Tgt Ion: 75 Resp: 114157
Ion Ratio Lower Upper
75 100
53 0.0 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.972 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

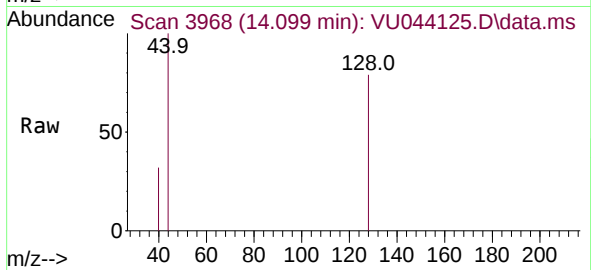
Tgt Ion: 105 Resp: 319
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.921 ug/l
RT: 14.099 min Scan# 3968
Delta R.T. 0.007 min
Lab File: VU044125.D
Acq: 08 Jun 2021 20:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1164
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

