

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044124.D
 Acq On : 08 Jun 2021 19:40
 Operator : SY/MD
 Sample : M2612-35
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:15:21 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)

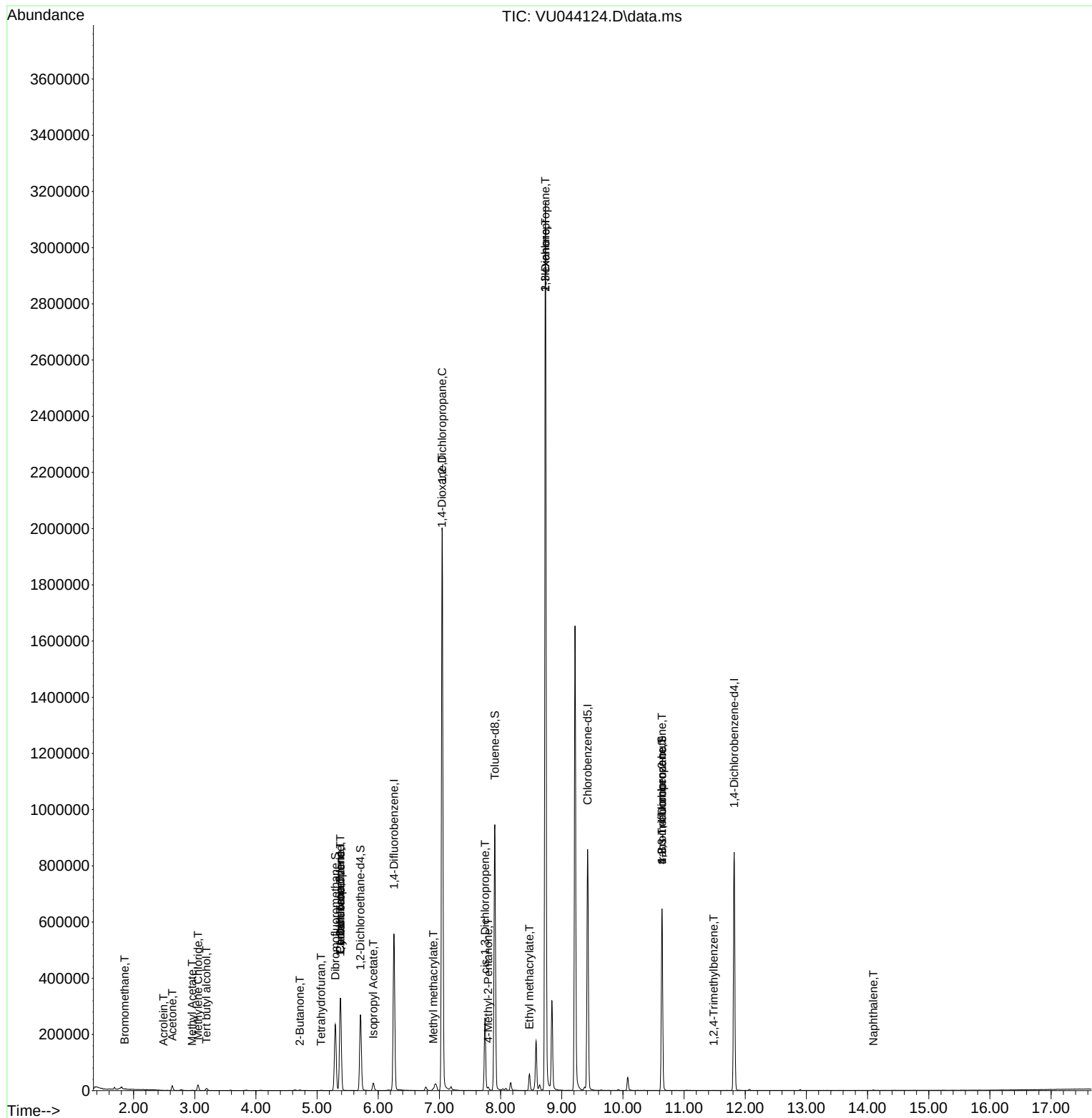
Internal Standards						
1) Pentafluorobenzene	5.382	168	217198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	431821	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	460682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	212111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195971	51.808	ug/l	0.00
Spiked Amount	50.000		Recovery	= 103.620%		
35) Dibromofluoromethane	5.298	113	152779	49.579	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.160%		
50) Toluene-d8	7.906	98	606653	51.038	ug/l	0.00
Spiked Amount	50.000		Recovery	= 102.080%		
62) 4-Bromofluorobenzene	10.639	95	219747	46.695	ug/l	0.00
Spiked Amount	50.000		Recovery	= 93.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	760	Below Cal		94
5) Bromomethane	1.855	94	485	0.291 ug/l	#	52
11) Tert butyl alcohol	3.192	59	5122	5.462 ug/l	#	72
13) Acrolein	2.491	56	349	0.473 ug/l	#	78
16) Acetone	2.633	43	18924	8.668 ug/l		97
18) Methyl Acetate	2.957	43	1848	0.384 ug/l	#	89
20) Methylene Chloride	3.054	84	9367	1.203 ug/l		96
25) 2-Butanone	4.719	43	3369	1.082 ug/l		90
29) Tetrahydrofuran	5.067	42	789	0.456 ug/l	#	85
31) Cyclohexane	5.382	56	5089	0.975 ug/l	#	1
36) 1,1-Dichloropropene	5.379	75	19730	4.056 ug/l	#	50
38) Carbon Tetrachloride	5.382	117	23224	5.283 ug/l	#	17
43) Isopropyl Acetate	5.919	43	27243	3.144 ug/l		96
45) 1,2-Dichloropropane	7.044	63	2561	0.640 ug/l	#	42
48) Methyl methacrylate	6.899	41	8777	2.054 ug/l	#	14
49) 1,4-Dioxane	7.041	88	137	1.304 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.797	43	7246	1.126 ug/l		93
54) cis-1,3-Dichloropropene	7.745	75	46761	7.860 ug/l	#	66
56) Ethyl methacrylate	8.472	69	320	3.432 ug/l	#	1
57) 1,3-Dichloropropane	8.732	76	32223	4.918 ug/l	#	43
59) 2-Hexanone	8.732	43	411746	82.327 ug/l	#	50
76) 1,2,3-Trichloropropane	10.639	75	112744	19.001 ug/l	#	43
81) trans-1,4-Dichloro-2-b...	10.639	75	112744	55.482 ug/l	#	11
84) 1,2,4-Trimethylbenzene	11.484	105	215	0.964 ug/l	#	32
95) Naphthalene	14.095	128	1973	2.974 ug/l	#	86

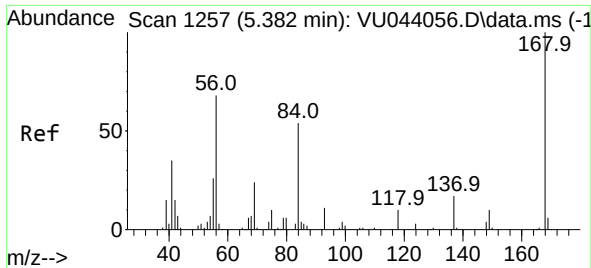
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

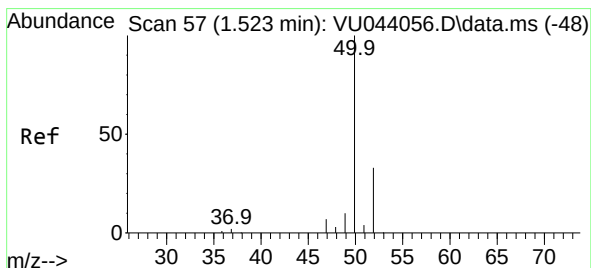
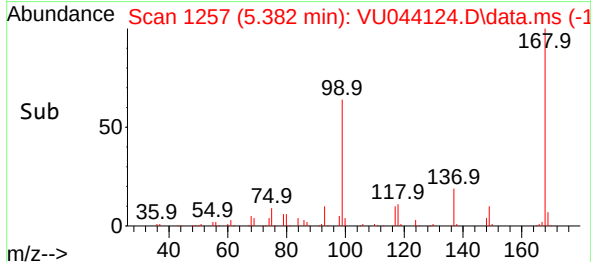
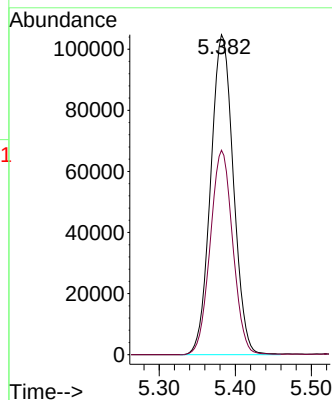
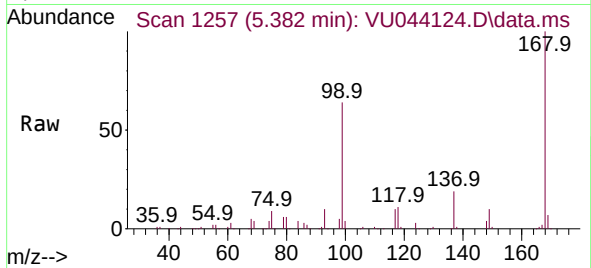




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

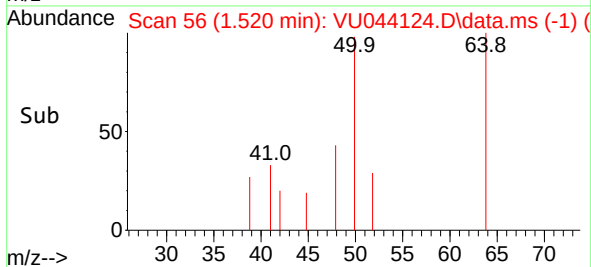
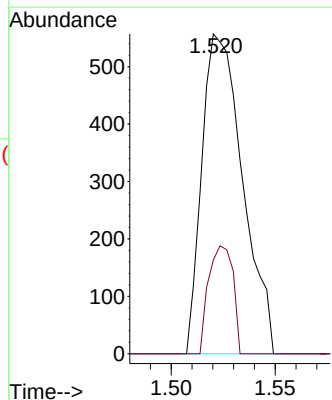
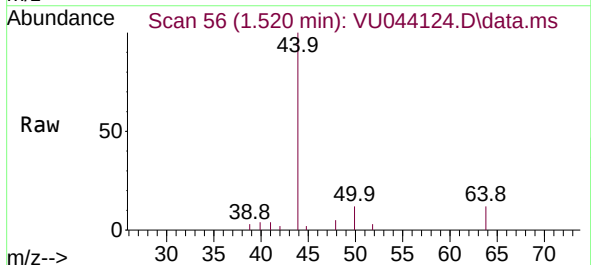
Instrument :
MSVOA_U
ClientSampled :

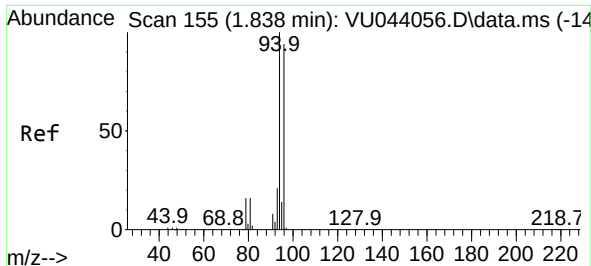
Tgt Ion:168 Resp: 217198
Ion Ratio Lower Upper
168 100
99 63.9 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 50 Resp: 760
Ion Ratio Lower Upper
50 100
52 29.3 26.2 39.2

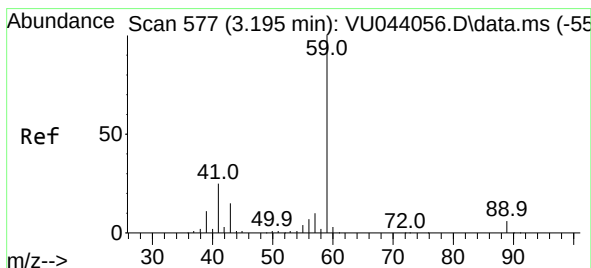
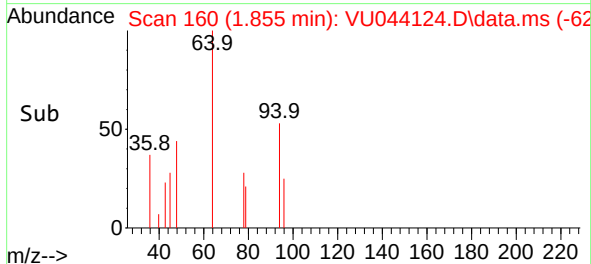
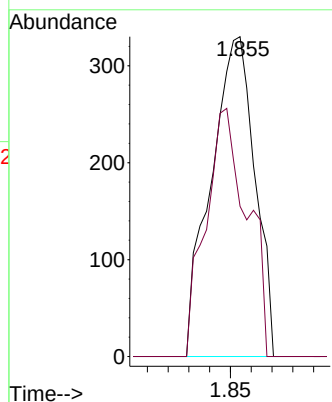
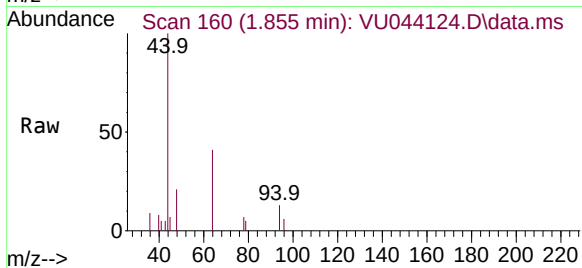




#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.855 min Scan# 160
Delta R.T. 0.017 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

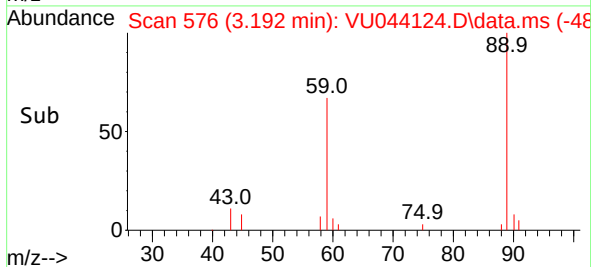
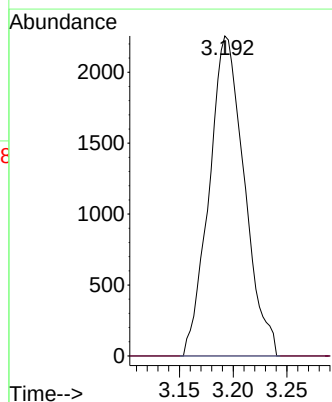
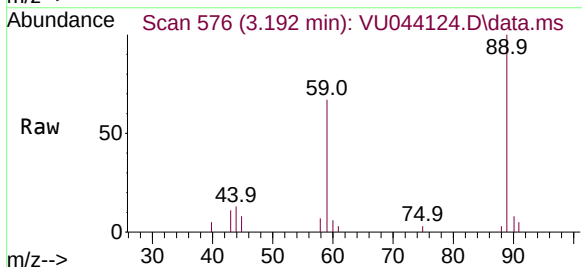
Instrument :
MSVOA_U
ClientSampleId :

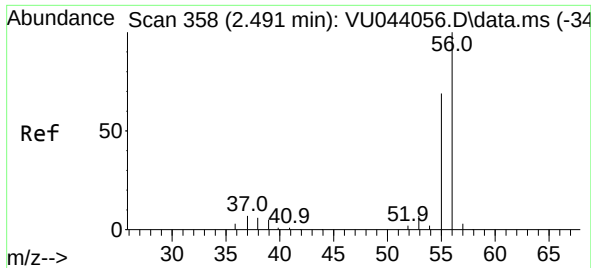
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 47.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 5.462 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 59 Resp: 5122
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

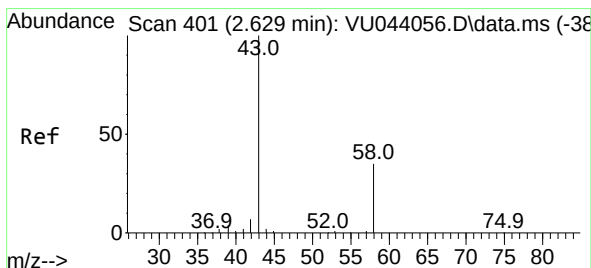
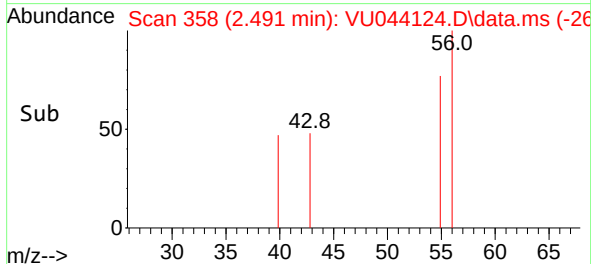
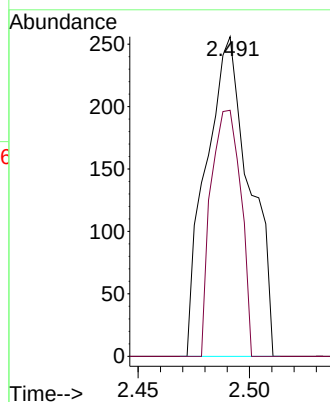
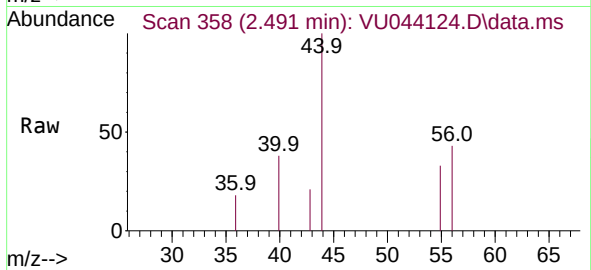




#13
Acrolein
Concen: 0.473 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

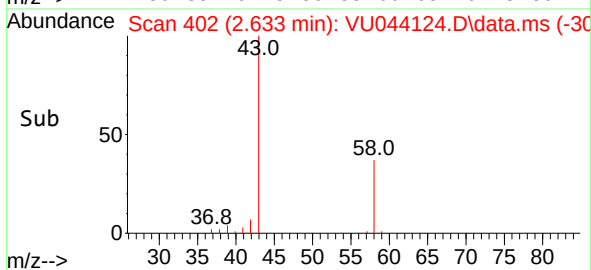
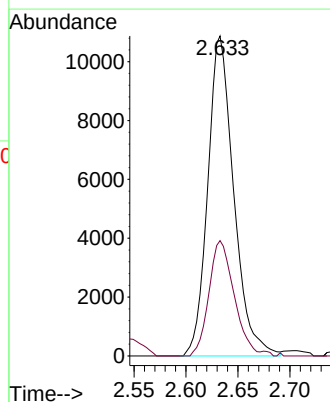
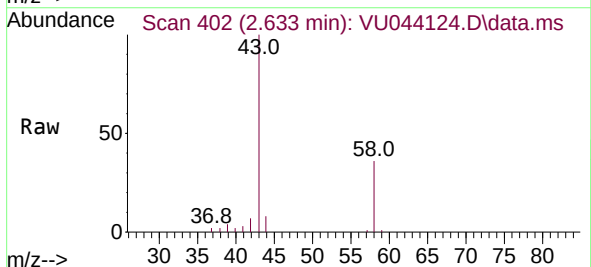
Instrument :
MSVOA_U
ClientSampled :

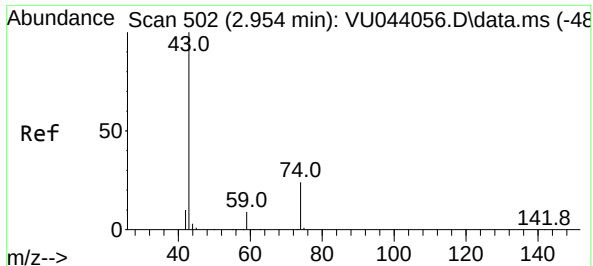
Tgt Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
55 52.4 56.1 84.1#



#16
Acetone
Concen: 8.668 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 43 Resp: 18924
Ion Ratio Lower Upper
43 100
58 36.0 27.7 41.5

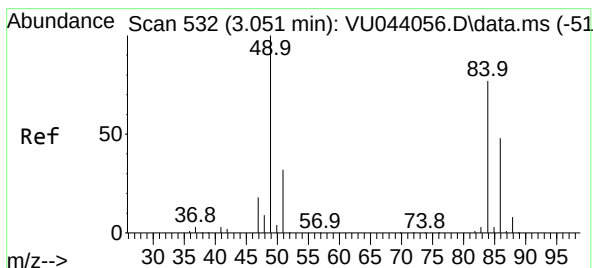
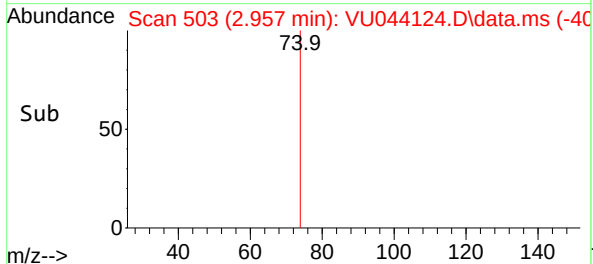
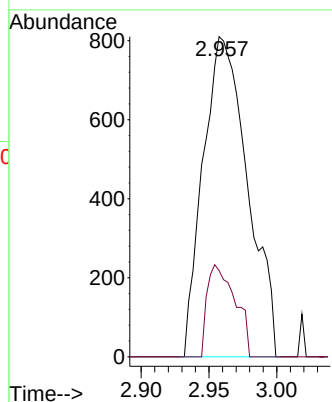
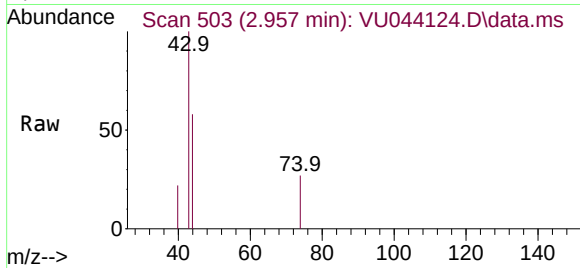




#18
Methyl Acetate
Concen: 0.384 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

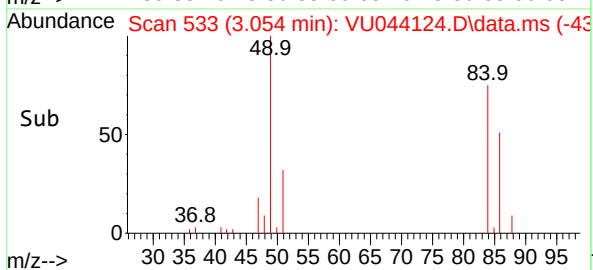
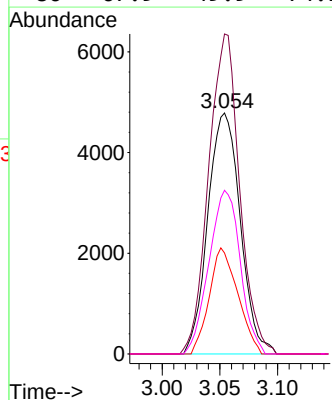
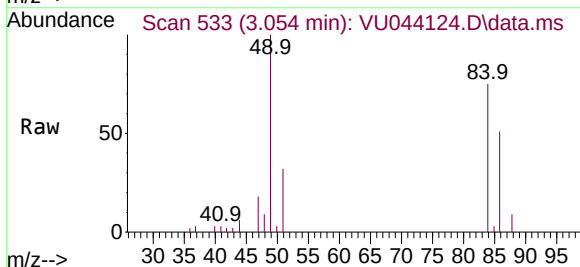
Instrument :
MSVOA_U
ClientSampled :

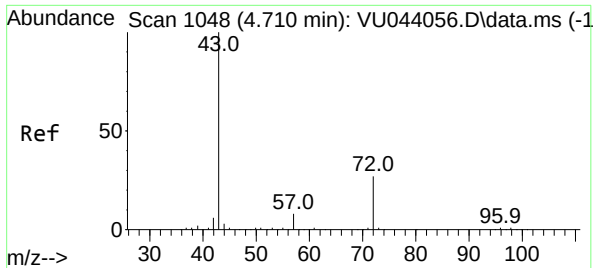
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
74 18.0 18.7 28.1#



#20
Methylene Chloride
Concen: 1.203 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 84 Resp: 9367
Ion Ratio Lower Upper
84 100
49 132.8 103.6 155.4
51 41.9 32.8 49.2
86 67.9 49.9 74.9

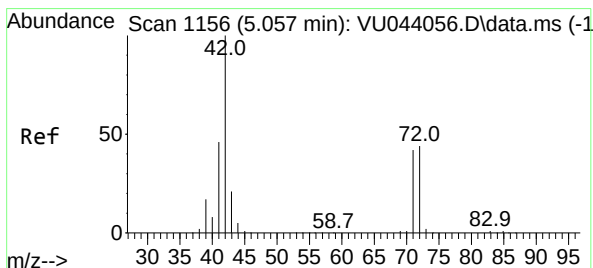
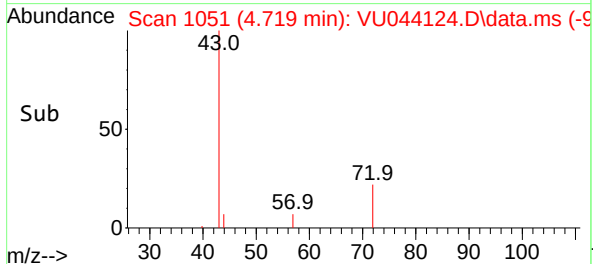
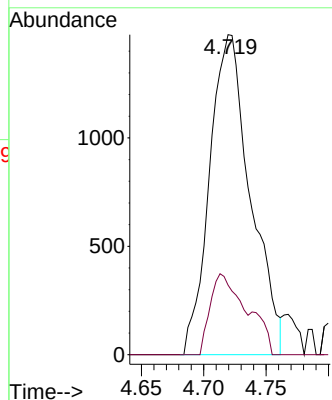
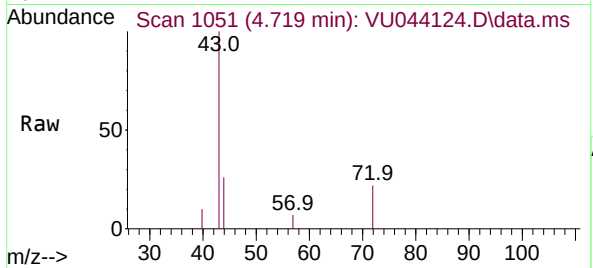




#25
2-Butanone
Concen: 1.082 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

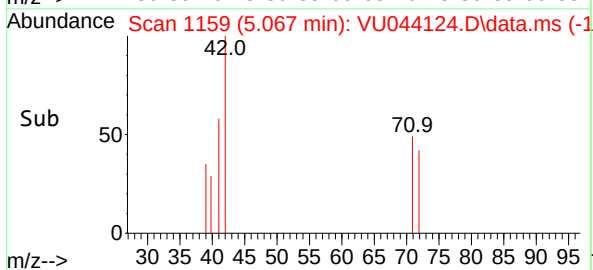
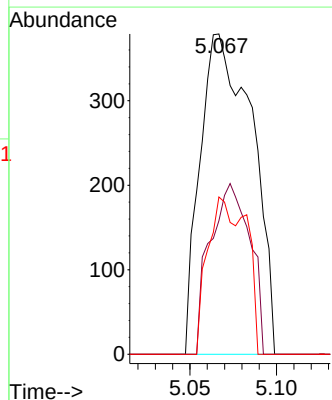
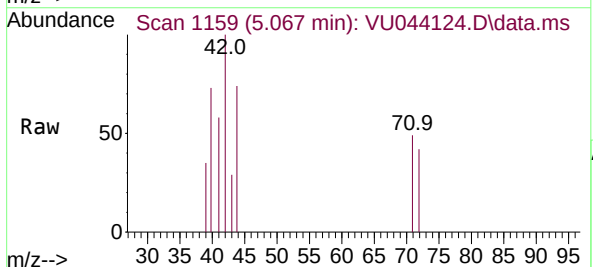
Instrument :
MSVOA_U
ClientSampled :

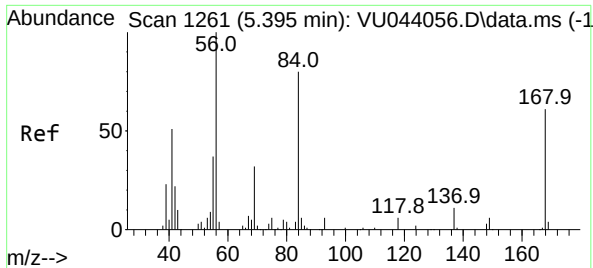
Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
72 21.7 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.456 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

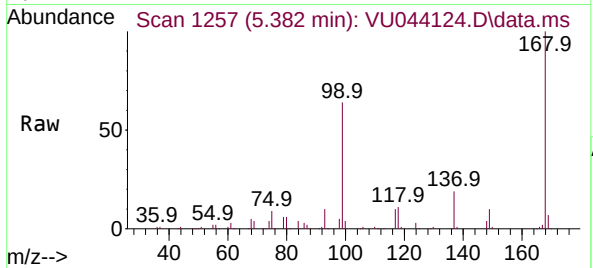
Tgt Ion: 42 Resp: 789
Ion Ratio Lower Upper
42 100
72 40.9 35.6 53.4
71 25.5 33.3 49.9#



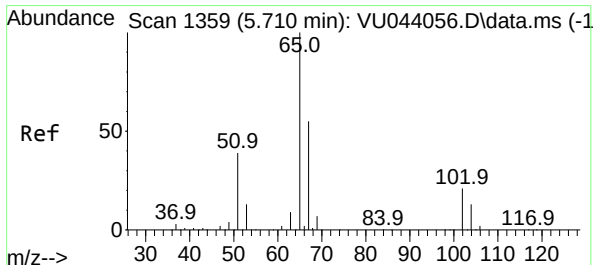
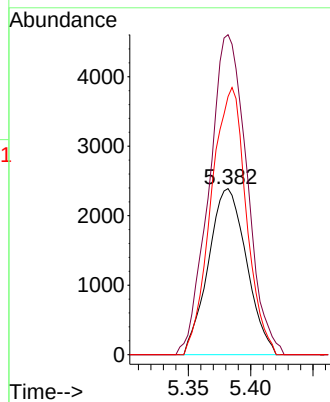
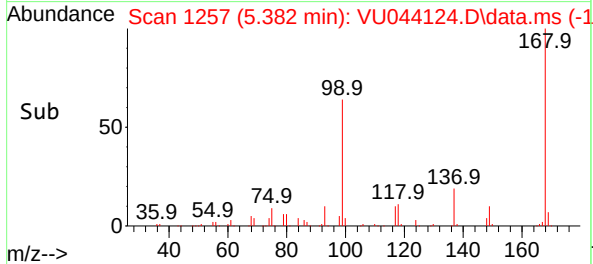


#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

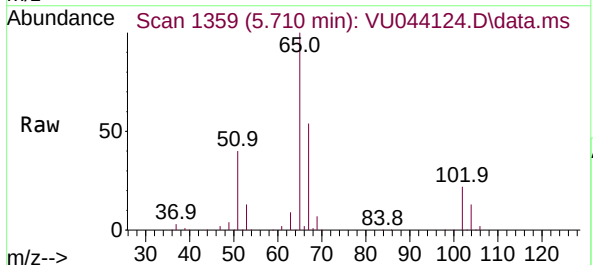
Instrument :
MSVOA_U
ClientSampled :



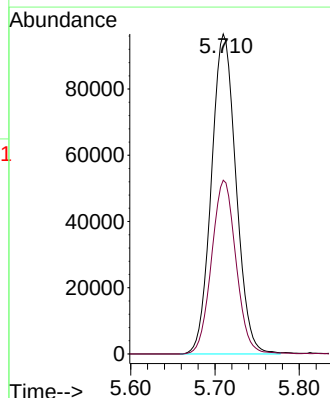
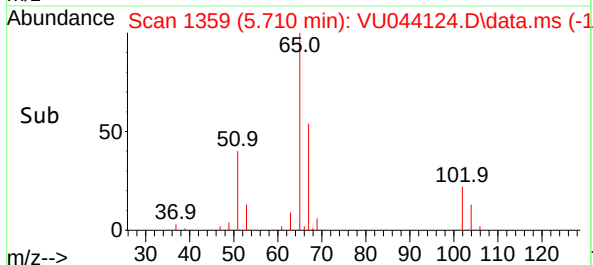
Tgt Ion: 56 Resp: 5089
Ion Ratio Lower Upper
56 100
69 188.0 25.4 38.2#
84 155.4 64.2 96.2#

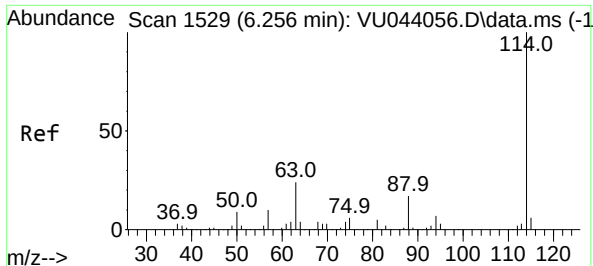


#33
1,2-Dichloroethane-d4
Concen: 51.808 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40



Tgt Ion: 65 Resp: 195971
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2

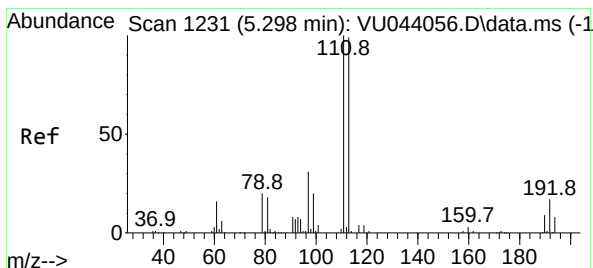
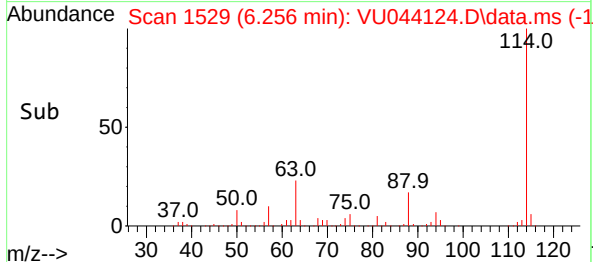
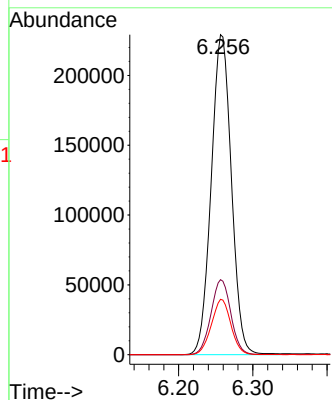
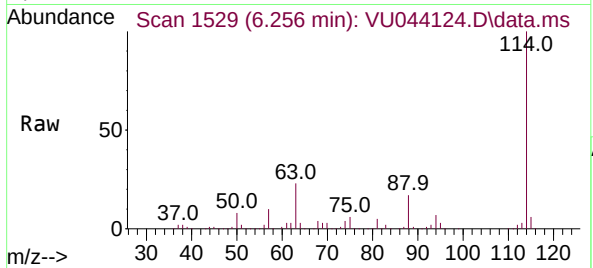




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

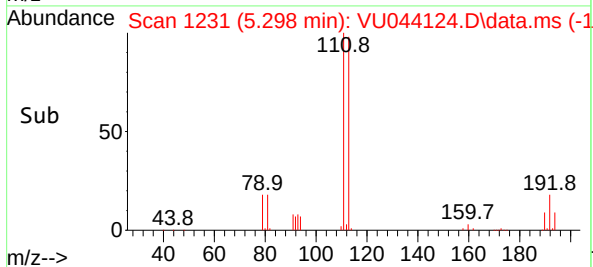
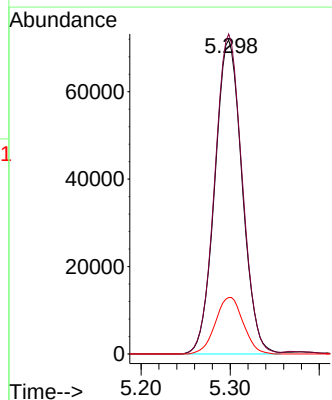
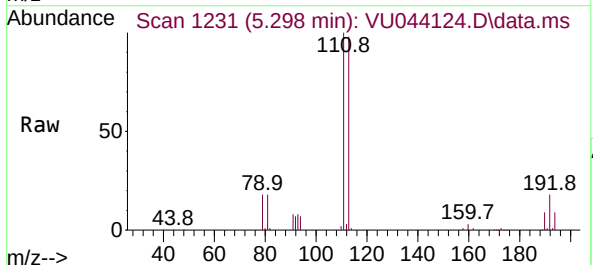
Instrument :
MSVOA_U
ClientSampled :

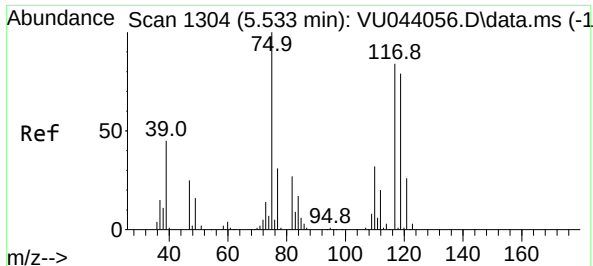
Tgt Ion:114 Resp: 431821
Ion Ratio Lower Upper
114 100
63 23.4 0.0 48.4
88 17.3 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.579 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion:113 Resp: 152779
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 18.4 13.8 20.8



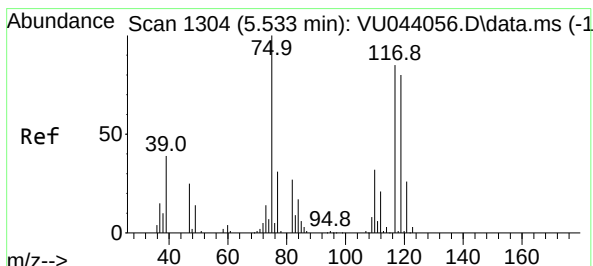
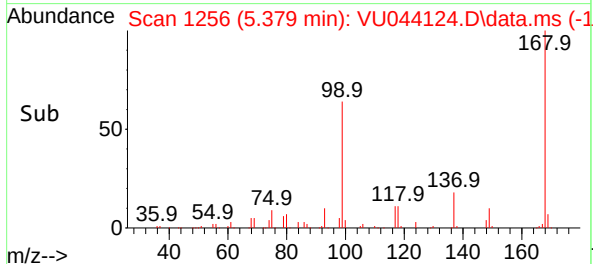
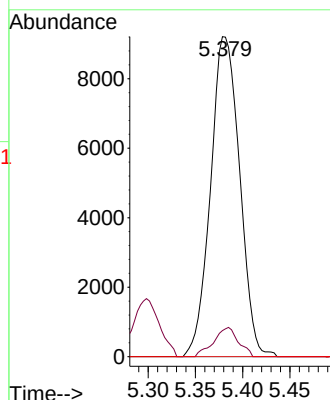
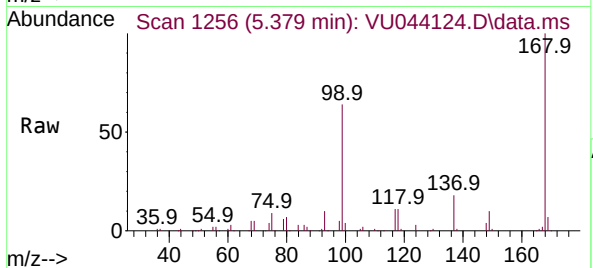


#36

1,1-Dichloropropene
Concen: 4.056 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Instrument :
MSVOA_U
ClientSampled :

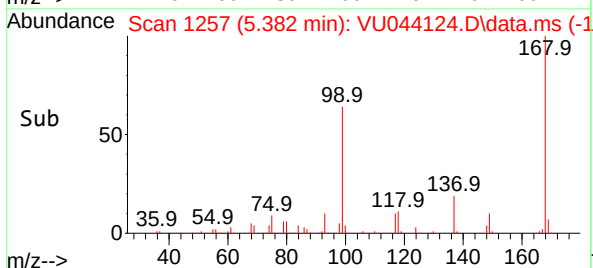
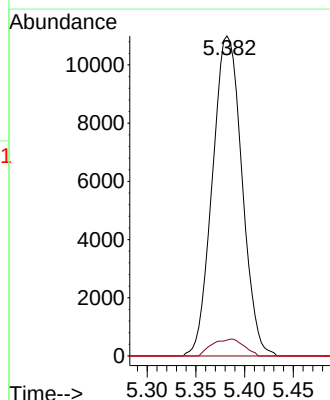
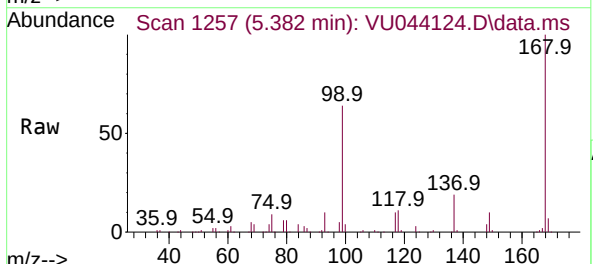
Tgt Ion: 75 Resp: 19730
Ion Ratio Lower Upper
75 100
110 7.7 15.9 47.7#
77 0.0 25.0 37.4#

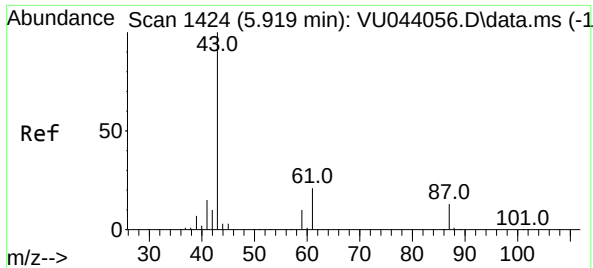


#38

Carbon Tetrachloride
Concen: 5.283 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion:117 Resp: 23224
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 24.5 36.7#

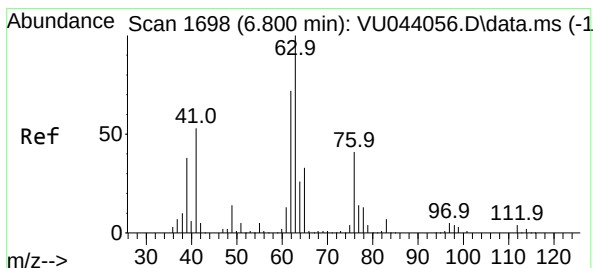
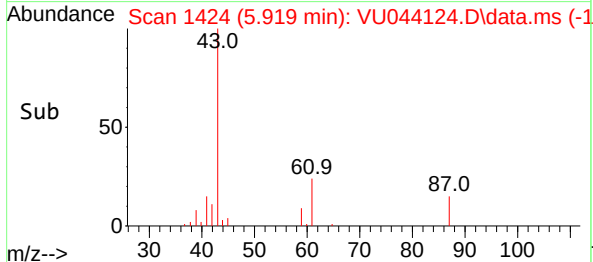
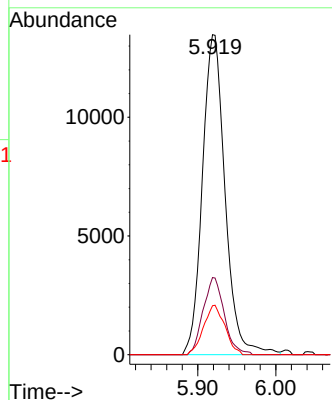
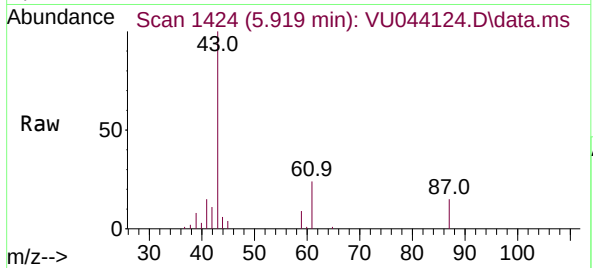




#43
Isopropyl Acetate
Concen: 3.144 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

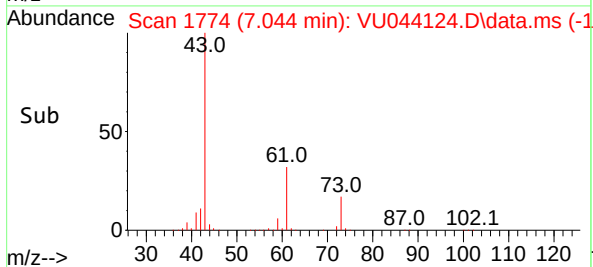
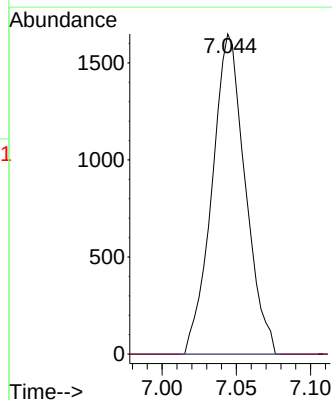
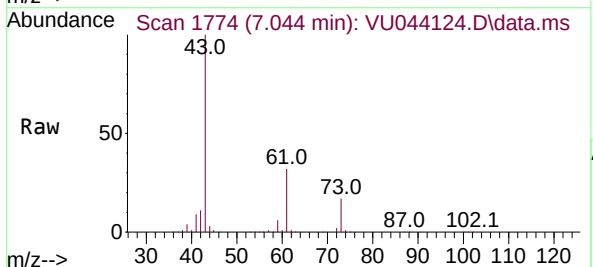
Instrument :
MSVOA_U
ClientSampled :

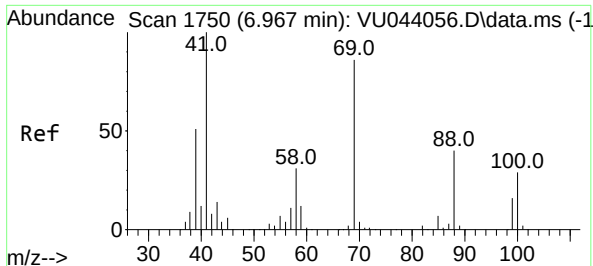
Tgt Ion:	43	Resp:	27243
Ion Ratio	Lower	Upper	
43	100		
61	22.4	16.8	25.2
87	14.5	10.2	15.2



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion:	63	Resp:	2561
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5#





#48

Methyl methacrylate

Concen: 2.054 ug/l

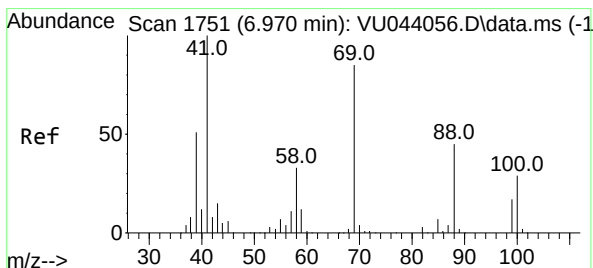
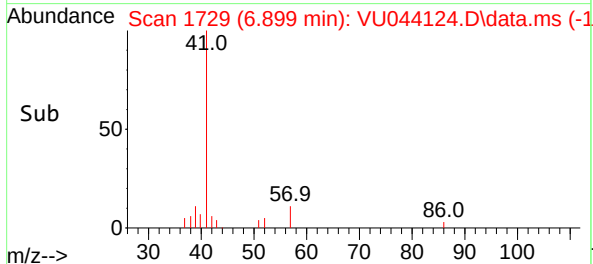
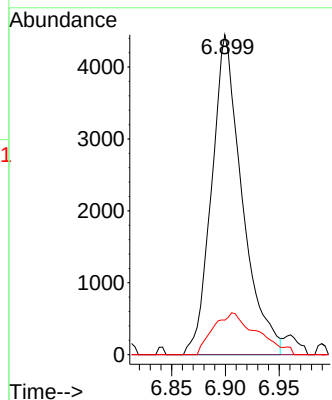
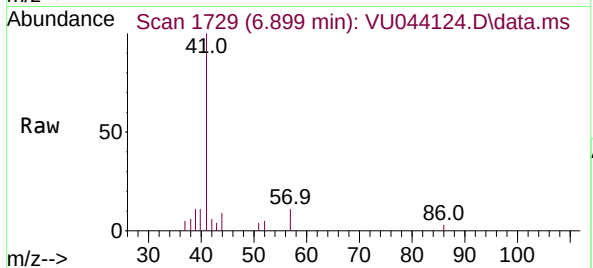
RT: 6.899 min Scan# 1729

Delta R.T. -0.068 min

Lab File: VU044124.D

Acq: 08 Jun 2021 19:40

Tgt Ion:	41	Resp:	8777
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: 1.304 ug/l

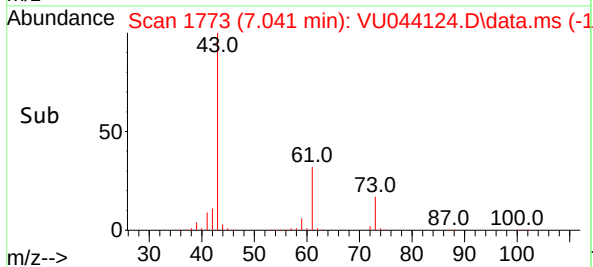
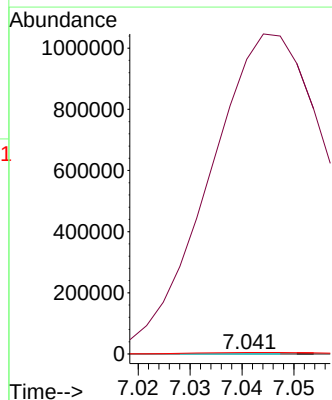
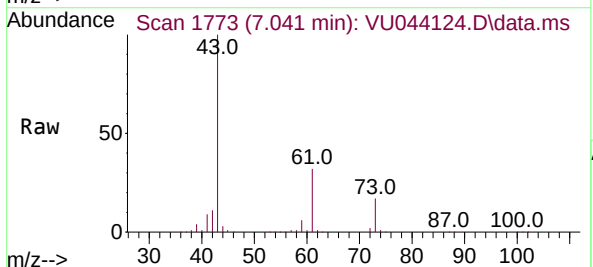
RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

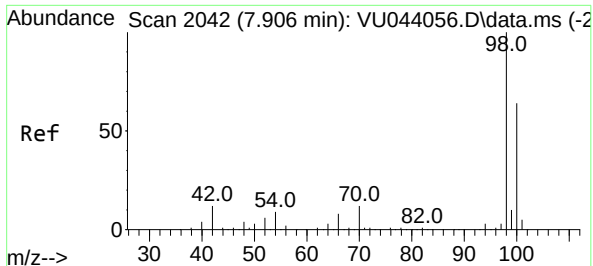
Lab File: VU044124.D

Acq: 08 Jun 2021 19:40

Tgt Ion:	88	Resp:	137
Ion	Ratio	Lower	Upper
88	100		
43	1304280.3	25.0	37.4#
58	6821.9	60.0	90.0#



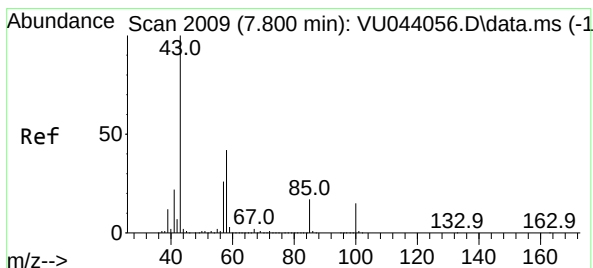
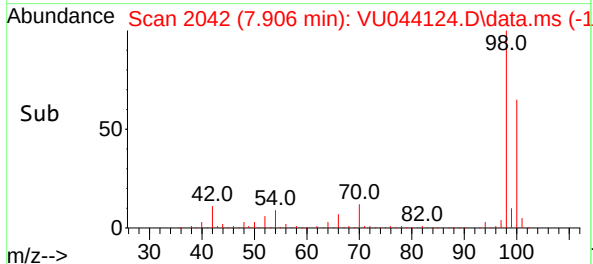
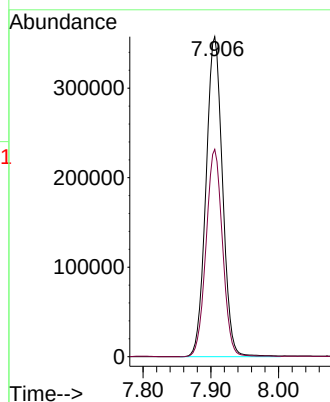
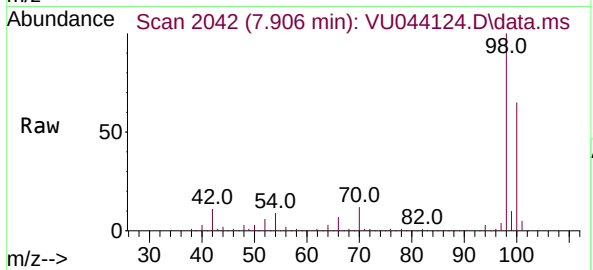
Instrument :
MSVOA_U
ClientSampled :



#50
Toluene-d8
Concen: 51.038 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

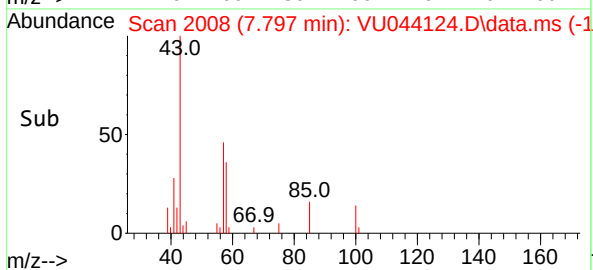
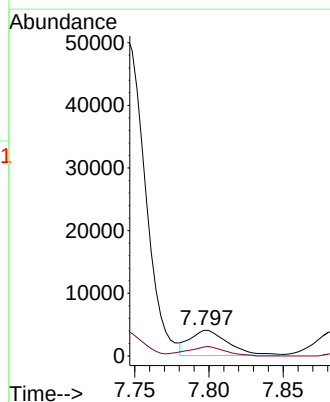
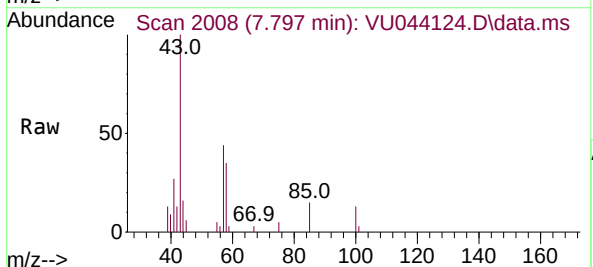
Instrument :
MSVOA_U
ClientSampleId :

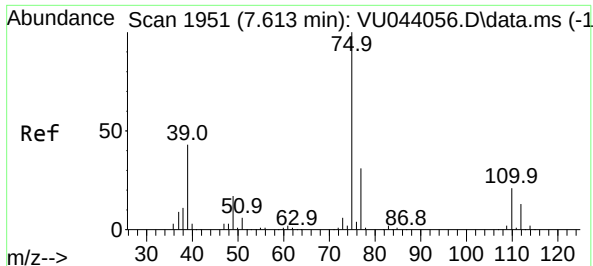
Tgt Ion: 98 Resp: 606653
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.126 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 43 Resp: 7246
Ion Ratio Lower Upper
43 100
58 37.0 33.3 49.9

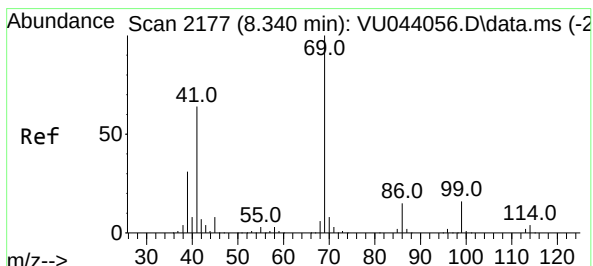
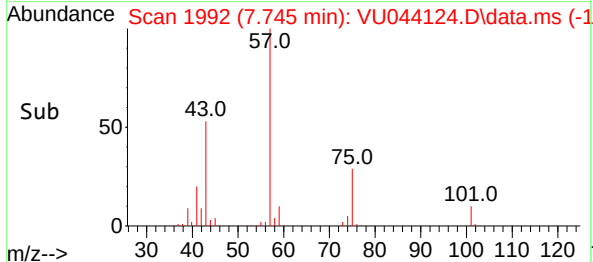
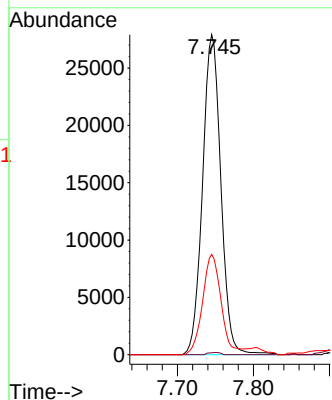
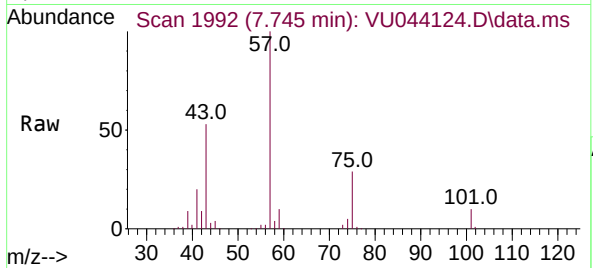




#54
 cis-1,3-Dichloropropene
 Concen: 7.860 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044124.D
 Acq: 08 Jun 2021 19:40

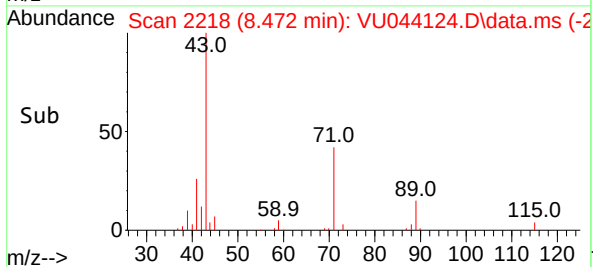
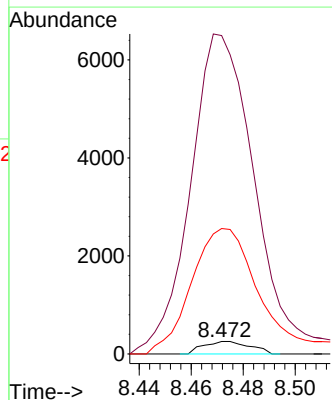
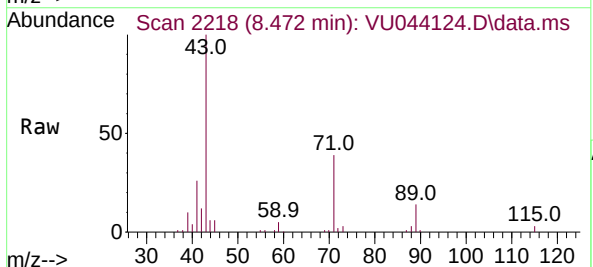
Instrument :
 MSVOA_U
 ClientSampled :

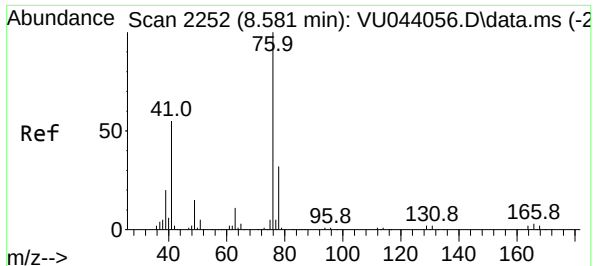
Tgt Ion: 75 Resp: 46761
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 31.3 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.432 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044124.D
 Acq: 08 Jun 2021 19:40

Tgt Ion: 69 Resp: 320
 Ion Ratio Lower Upper
 69 100
 41 3540.6 51.4 77.0#
 39 1493.8 24.9 37.3#



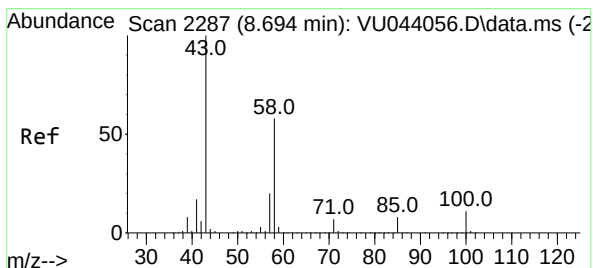
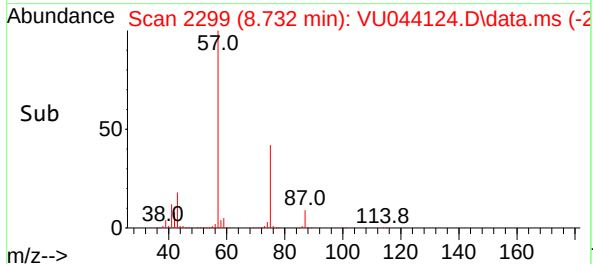
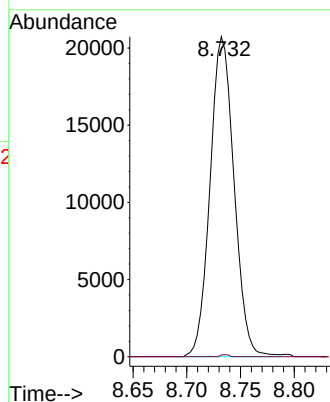
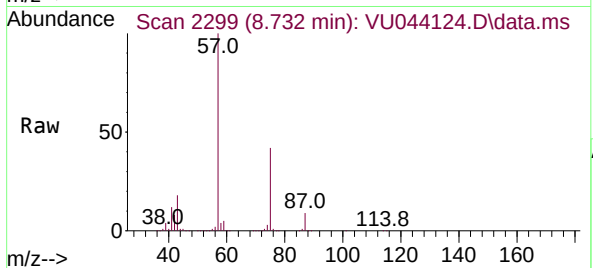


#57

1,3-Dichloropropane
Concen: 4.918 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Instrument :
MSVOA_U
ClientSampled :

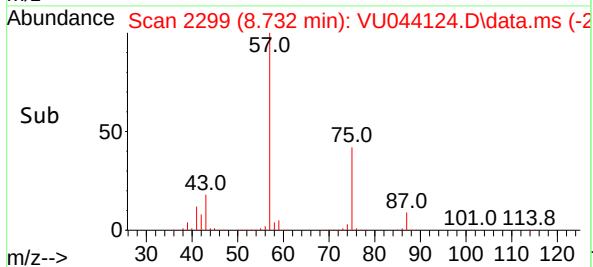
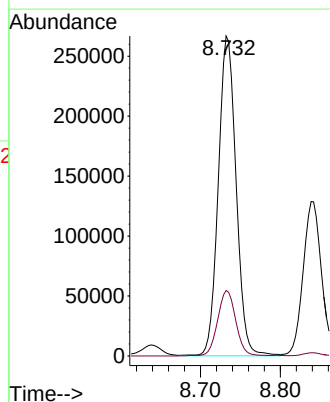
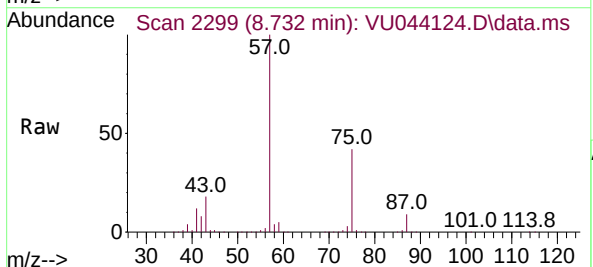
Tgt Ion: 76 Resp: 32223
Ion Ratio Lower Upper
76 100
78 0.2 25.9 38.9#

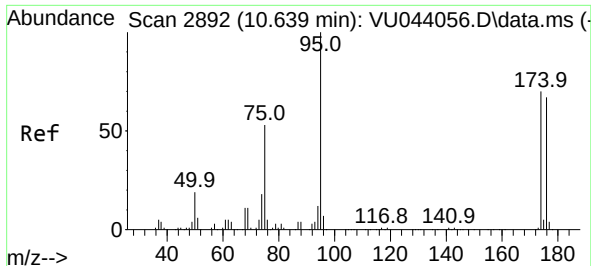


#59

2-Hexanone
Concen: 82.327 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 43 Resp: 411746
Ion Ratio Lower Upper
43 100
58 20.9 29.0 87.1#

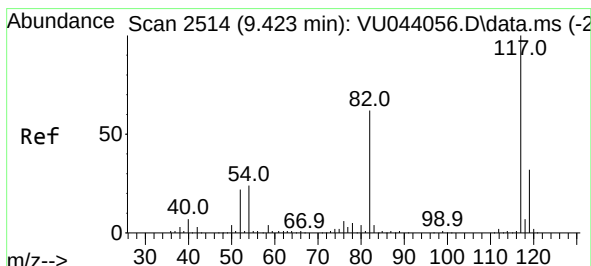
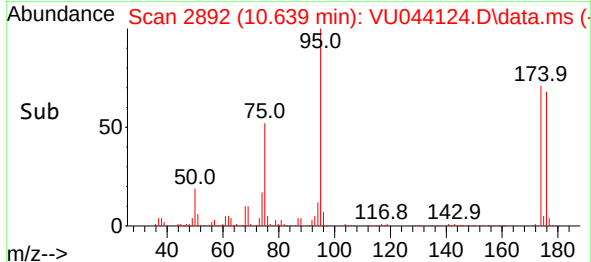
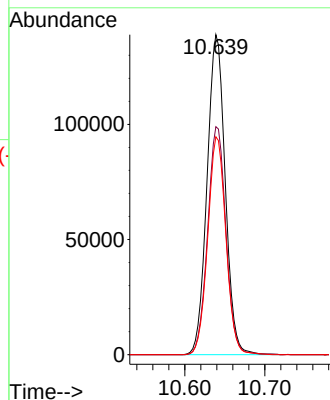
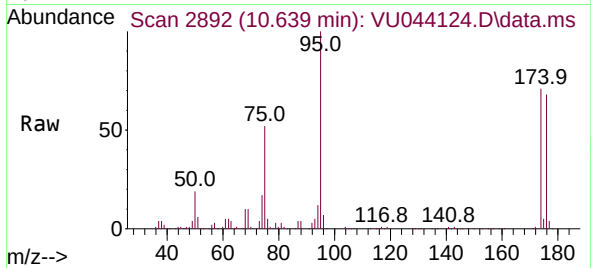




#62
4-Bromofluorobenzene
Concen: 46.695 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

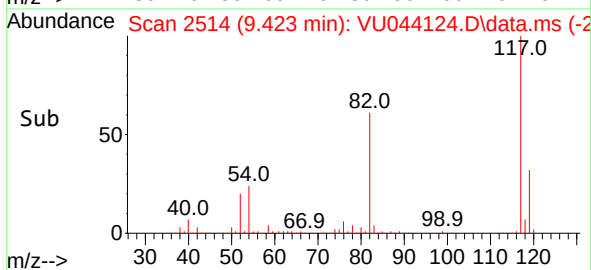
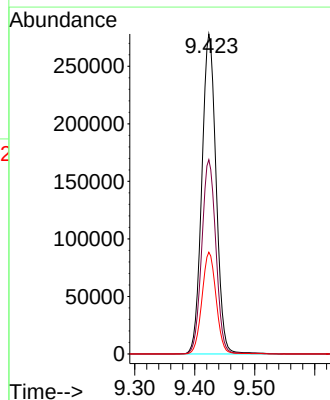
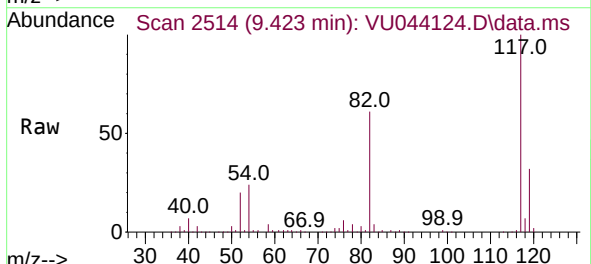
Instrument :
MSVOA_U
ClientSampleId :

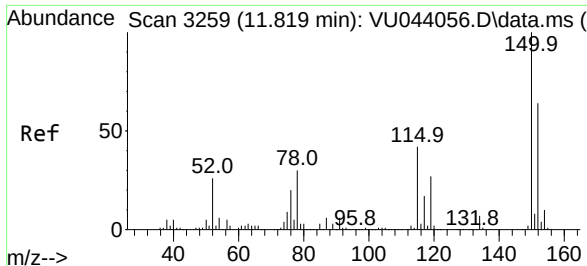
Tgt Ion: 95 Resp: 219747
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.0
176 68.0 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Tgt Ion: 117 Resp: 460682
Ion Ratio Lower Upper
117 100
82 60.7 50.0 75.0
119 31.8 25.9 38.9

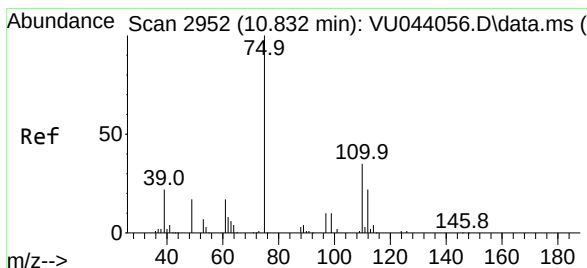
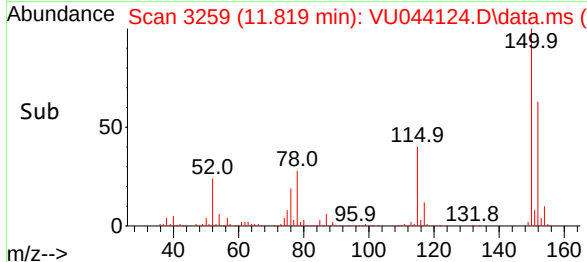
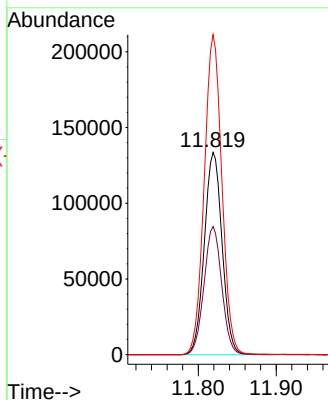
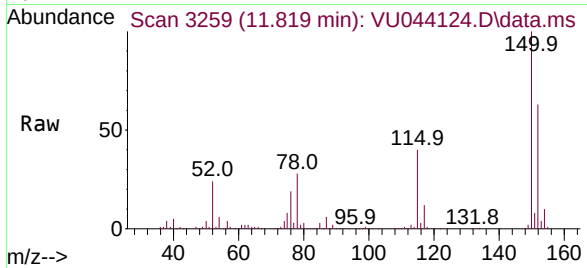




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044124.D
 Acq: 08 Jun 2021 19:40

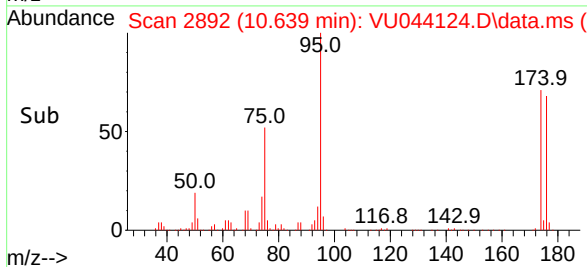
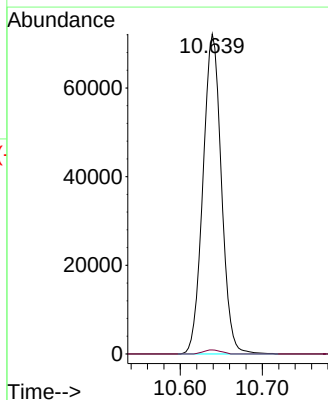
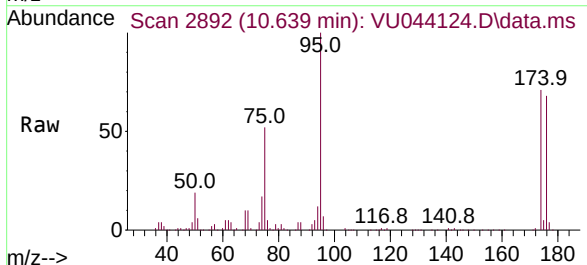
Instrument :
 MSVOA_U
 ClientSampleId :

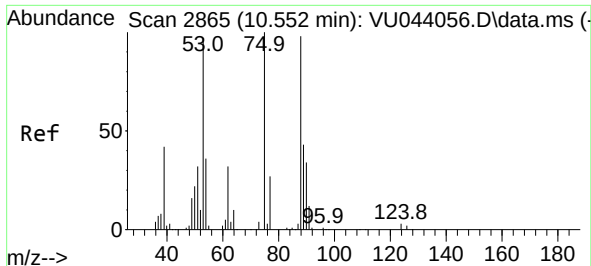
Tgt Ion:152 Resp: 212111
 Ion Ratio Lower Upper
 152 100
 115 63.2 44.6 134.0
 150 156.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.001 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044124.D
 Acq: 08 Jun 2021 19:40

Tgt Ion: 75 Resp: 112744
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

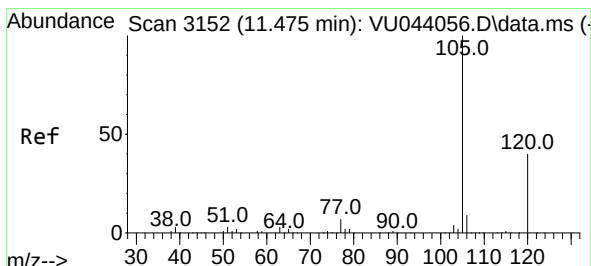
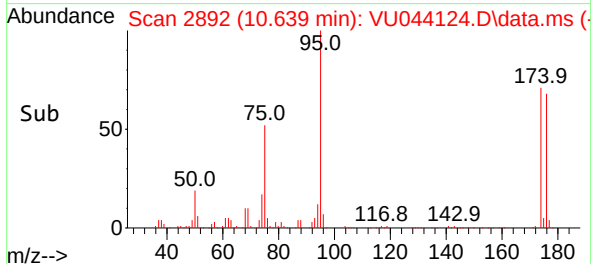
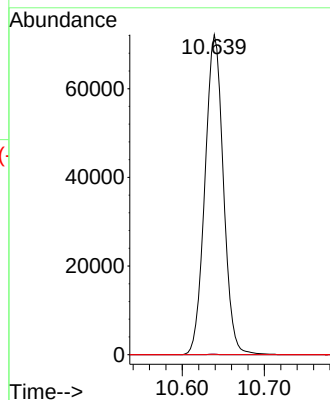
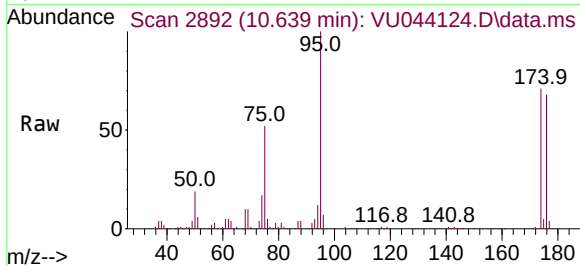




#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.482 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044124.D
 Acq: 08 Jun 2021 19:40

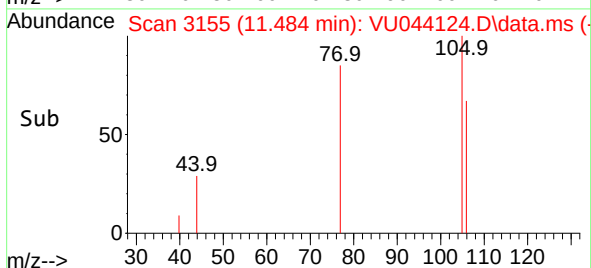
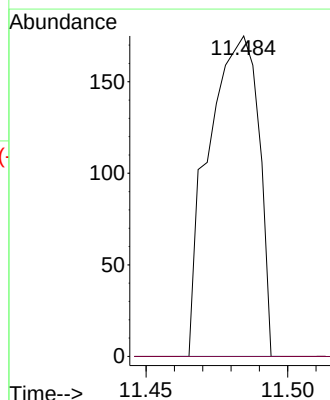
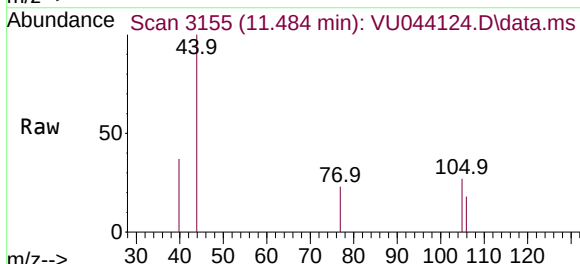
Instrument :
 MSVOA_U
 ClientSampleId :

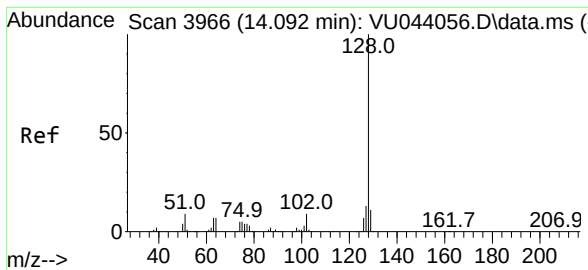
Tgt Ion: 75 Resp: 112744
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.9 115.3#
 89 0.0 33.8 50.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.964 ug/l
 RT: 11.484 min Scan# 3155
 Delta R.T. 0.009 min
 Lab File: VU044124.D
 Acq: 08 Jun 2021 19:40

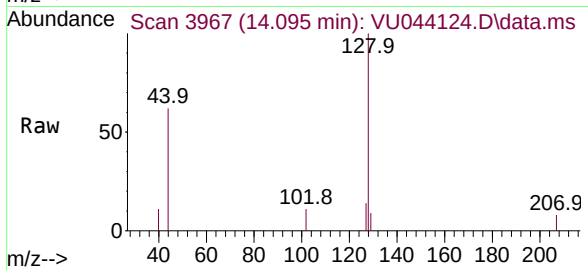
Tgt Ion: 105 Resp: 215
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.974 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044124.D
Acq: 08 Jun 2021 19:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	1973
Ion Ratio	100	Lower	Upper
128	100		
127	7.9	10.2	15.4#
129	5.3	8.7	13.1#

