

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044083.D
 Acq On : 08 Jun 2021 02:08
 Operator : SY/MD
 Sample : M2580-30
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

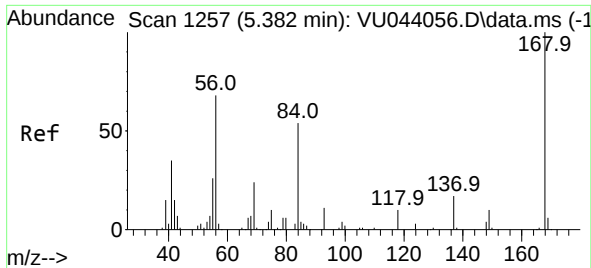
Instrument :
 MSVOA_U
 ClientSampleId :
 18-B5(0-2)

Quant Time: Jun 08 05:49:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 05:21:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.385	168	215805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	426725	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	452416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	207712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195901	52.124	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.240%	
35) Dibromofluoromethane	5.298	113	150708	49.490	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.980%	
50) Toluene-d8	7.906	98	586390	49.923	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.840%	
62) 4-Bromofluorobenzene	10.639	95	216412	46.536	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.080%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	1078	0.241	ug/l #	84
5) Bromomethane	1.851	94	364	0.220	ug/l	97
11) Tert butyl alcohol	3.195	59	7323	7.859	ug/l #	78
16) Acetone	2.633	43	34892	16.085	ug/l	100
17) Carbon Disulfide	2.800	76	3472	0.392	ug/l	98
18) Methyl Acetate	2.961	43	2118	0.443	ug/l #	88
20) Methylene Chloride	3.051	84	10202	1.488	ug/l	95
23) Vinyl Acetate	4.073	43	2386	0.274	ug/l #	73
25) 2-Butanone	4.716	43	8952	2.892	ug/l	93
29) Tetrahydrofuran	5.073	42	829	0.483	ug/l #	61
31) Cyclohexane	5.382	56	5225	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19630	4.083	ug/l #	50
37) Ethyl Acetate	4.716	43	8952	1.478	ug/l #	68
38) Carbon Tetrachloride	5.382	117	23397	5.386	ug/l #	17
40) Benzene	5.784	78	3354	0.231	ug/l	96
43) Isopropyl Acetate	5.919	43	7682	0.897	ug/l #	97
48) Methyl methacrylate	6.899	41	7595	1.799	ug/l #	21
51) 4-Methyl-2-Pentanone	7.800	43	9097	1.430	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	26037	4.429	ug/l #	68
56) Ethyl methacrylate	8.478	69	220	3.418	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	6633	1.025	ug/l #	42
59) 2-Hexanone	8.735	43	89963	18.203	ug/l #	51
76) 1,2,3-Trichloropropane	10.639	75	113361	19.509	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	113361	56.967	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	774	1.005	ug/l #	62
95) Naphthalene	14.095	128	12061	3.649	ug/l	97

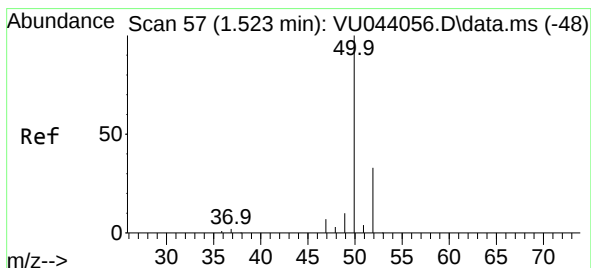
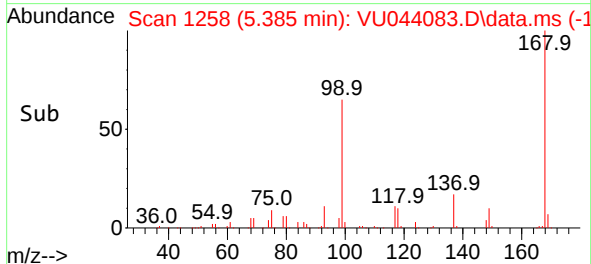
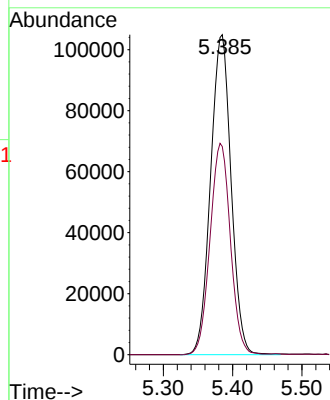
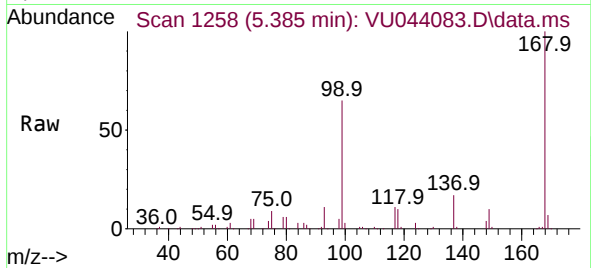
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

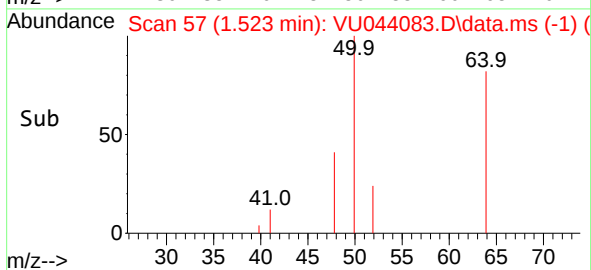
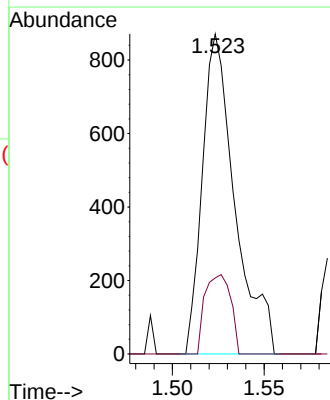
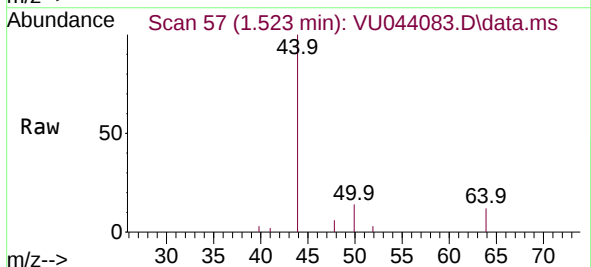
Instrument :
MSVOA_U
ClientSampleId :
18-B5(0-2)

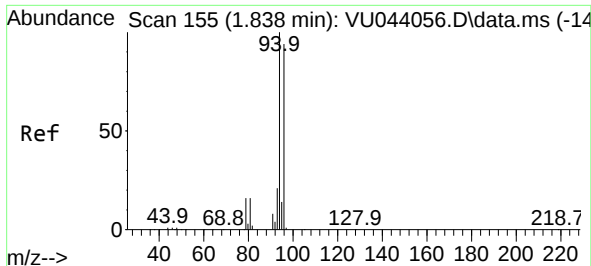
Tgt Ion:168 Resp: 215805
Ion Ratio Lower Upper
168 100
99 65.1 52.6 78.8



#3
Chloromethane
Concen: 0.241 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 50 Resp: 1078
Ion Ratio Lower Upper
50 100
52 23.8 26.2 39.2#

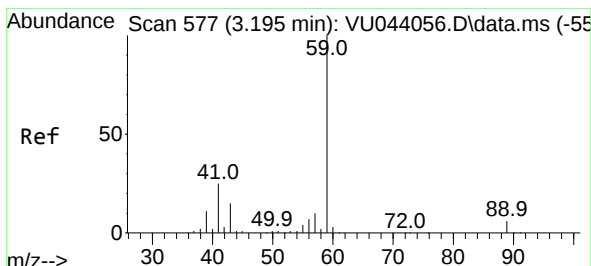
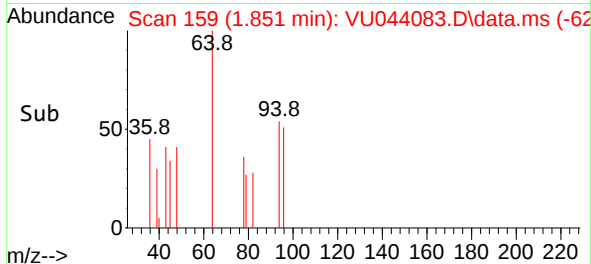
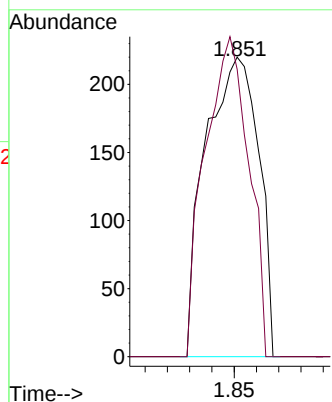
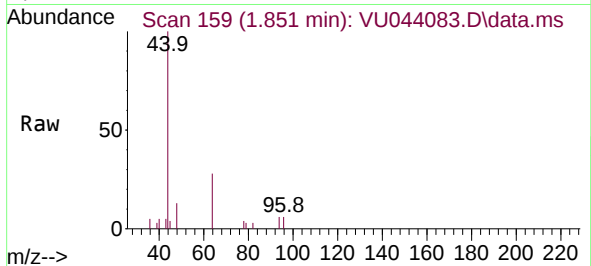




#5
Bromomethane
Concen: 0.220 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.013 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

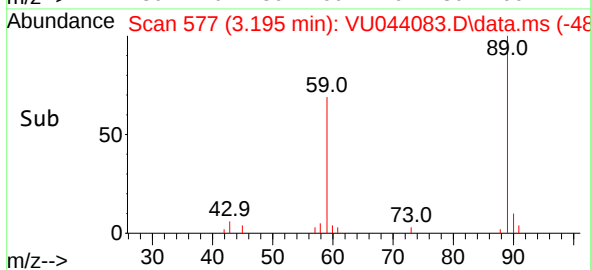
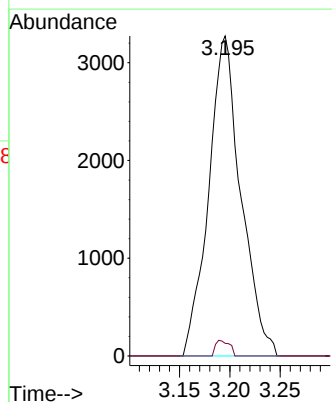
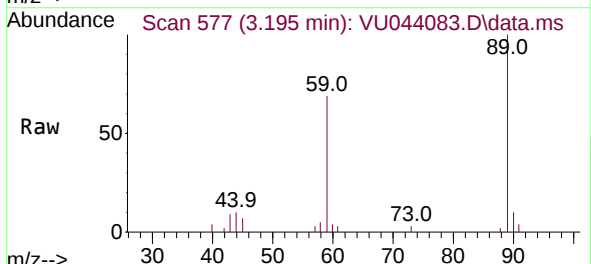
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

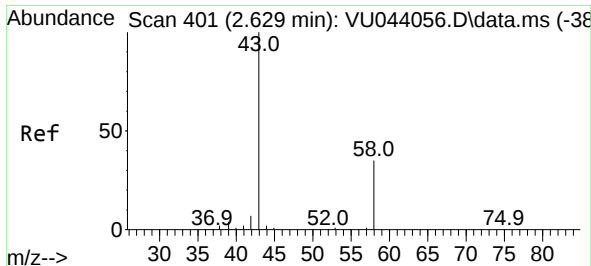
Tgt Ion: 94 Resp: 364
Ion Ratio Lower Upper
94 100
96 95.9 74.8 112.2



#11
Tert butyl alcohol
Concen: 7.859 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 59 Resp: 7323
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.4#

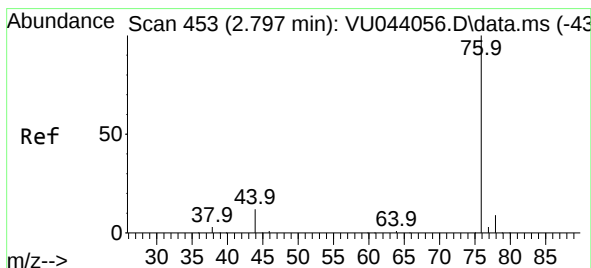
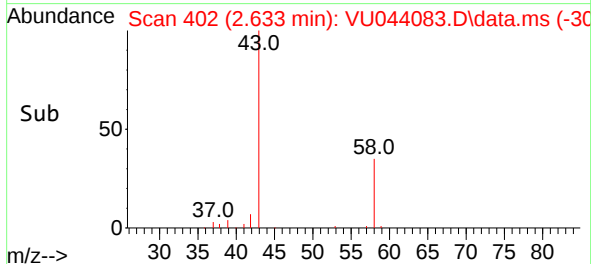
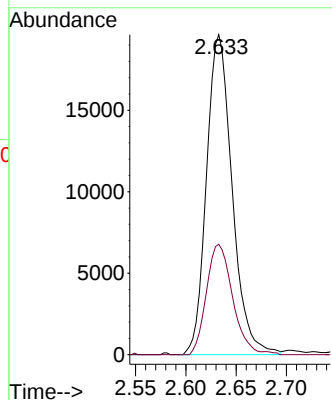
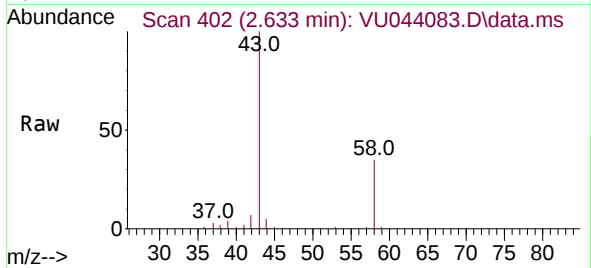




#16
Acetone
Concen: 16.085 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

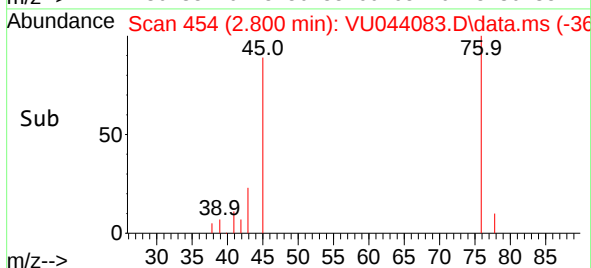
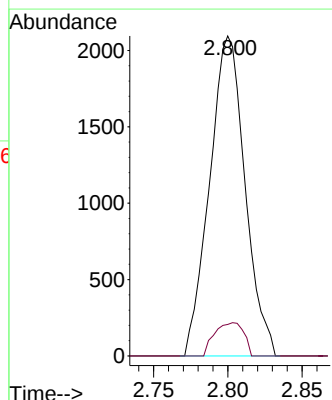
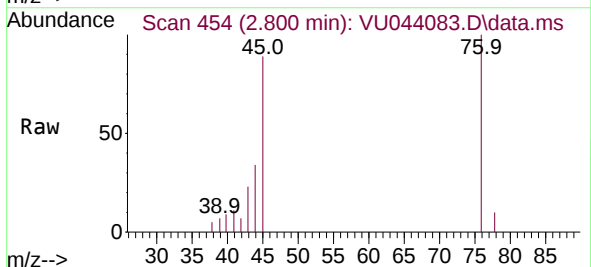
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

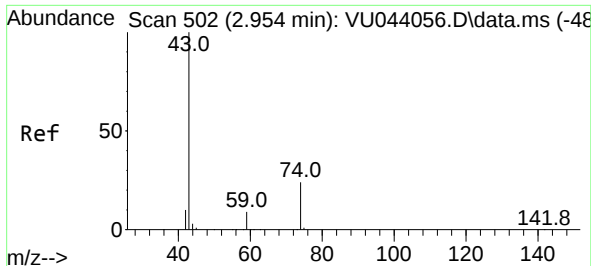
Tgt Ion: 43 Resp: 34892
Ion Ratio Lower Upper
43 100
58 34.5 27.7 41.5



#17
Carbon Disulfide
Concen: 0.392 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

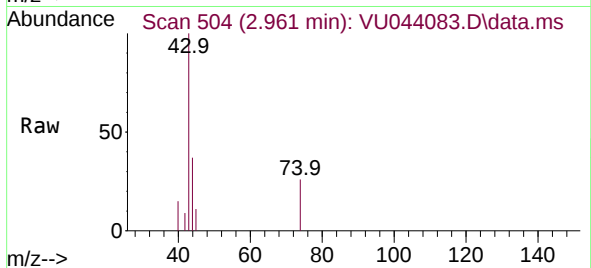
Tgt Ion: 76 Resp: 3472
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



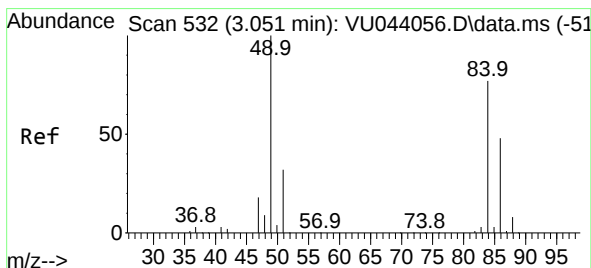
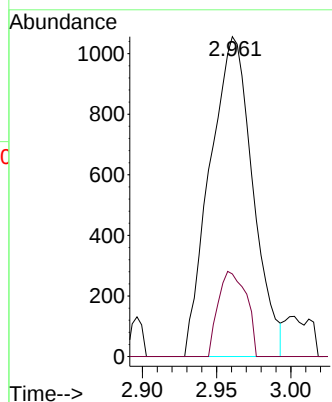
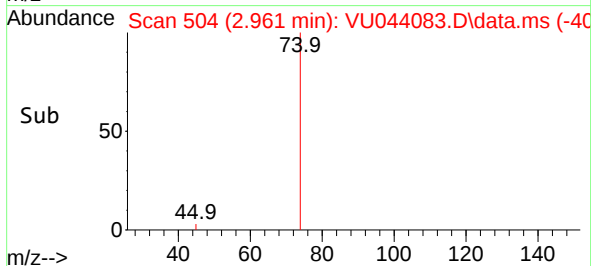


#18
Methyl Acetate
Concen: 0.443 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

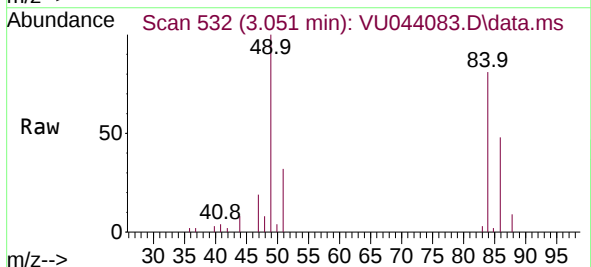
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)



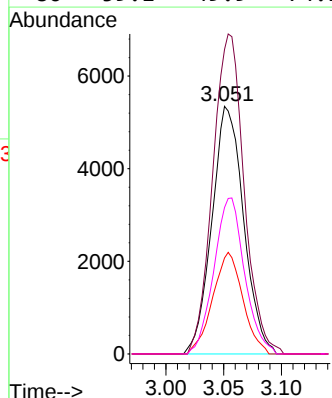
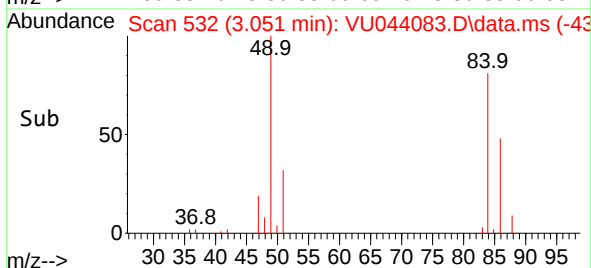
Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
74 17.4 18.7 28.1#

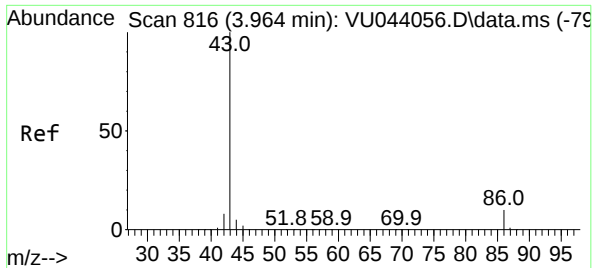


#20
Methylene Chloride
Concen: 1.488 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08



Tgt Ion: 84 Resp: 10202
Ion Ratio Lower Upper
84 100
49 123.0 103.6 155.4
51 38.8 32.8 49.2
86 59.1 49.9 74.9

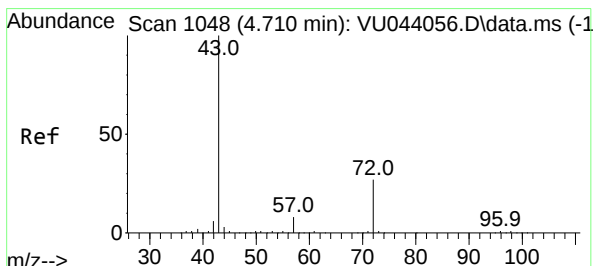
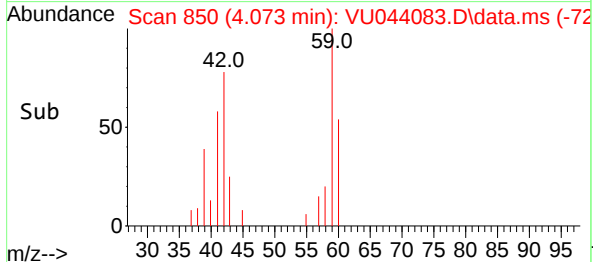
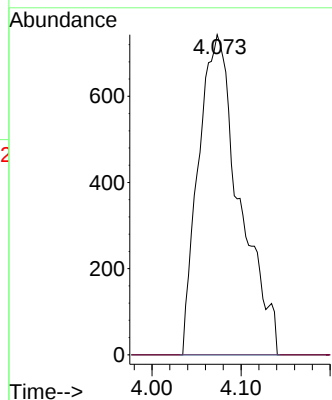
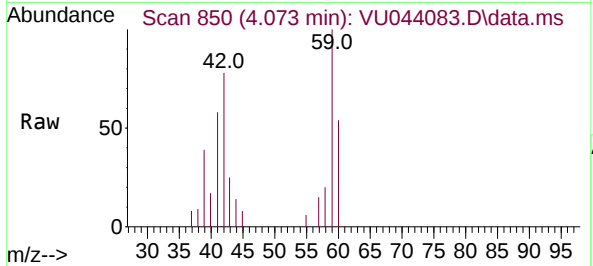




#23
 Vinyl Acetate
 Concen: 0.274 ug/l
 RT: 4.073 min Scan# 850
 Delta R.T. 0.109 min
 Lab File: VU044083.D
 Acq: 08 Jun 2021 02:08

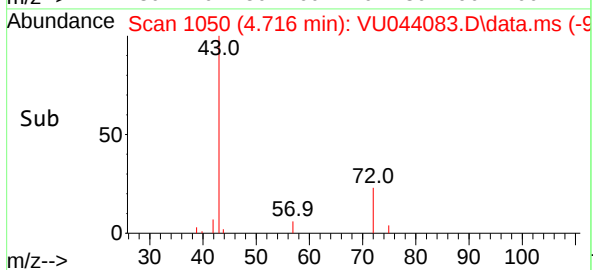
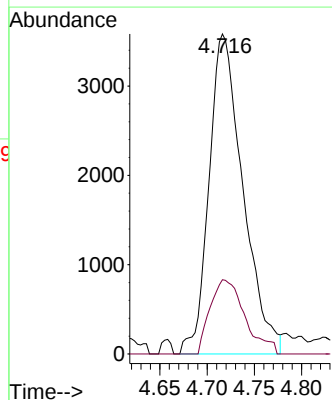
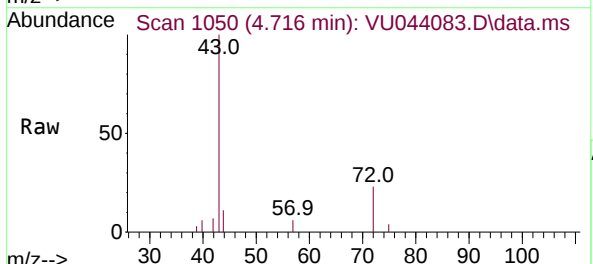
Instrument :
 MSVOA_U
 ClientSampled :
 18-B5(0-2)

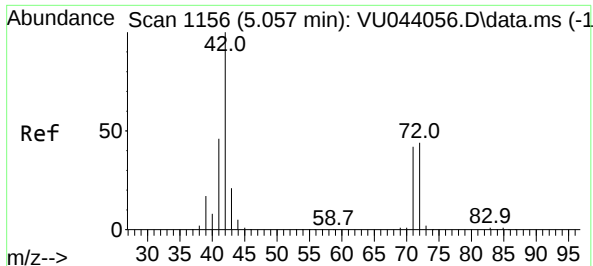
Tgt Ion: 43 Resp: 2386
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#25
 2-Butanone
 Concen: 2.892 ug/l
 RT: 4.716 min Scan# 1050
 Delta R.T. 0.006 min
 Lab File: VU044083.D
 Acq: 08 Jun 2021 02:08

Tgt Ion: 43 Resp: 8952
 Ion Ratio Lower Upper
 43 100
 72 23.2 21.4 32.2





#29

Tetrahydrofuran

Concen: 0.483 ug/l

RT: 5.073 min Scan# 1161

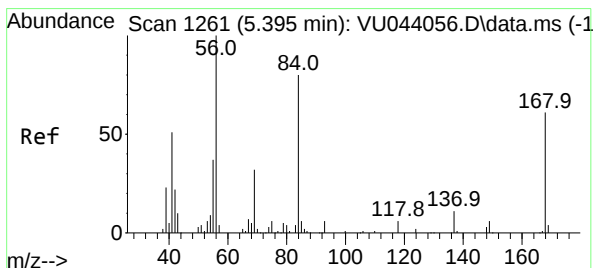
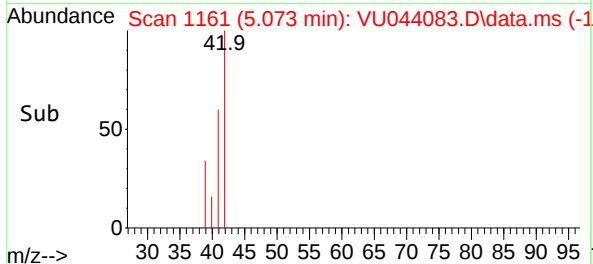
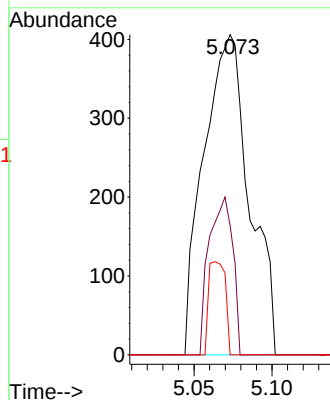
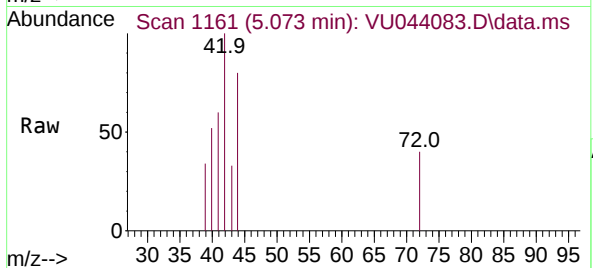
Delta R.T. 0.016 min

Lab File: VU044083.D

Acq: 08 Jun 2021 02:08

Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

Tgt Ion:	42	Resp:	829
Ion	Ratio	Lower	Upper
42	100		
72	25.6	35.6	53.4#
71	10.5	33.3	49.9#



#31

Cyclohexane

Concen: 1.007 ug/l

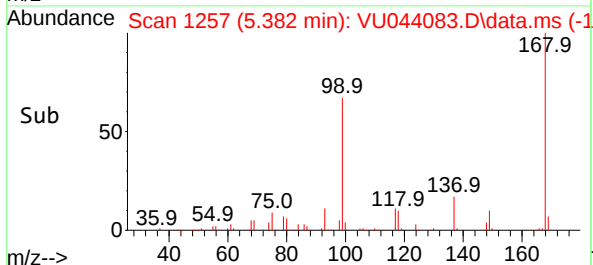
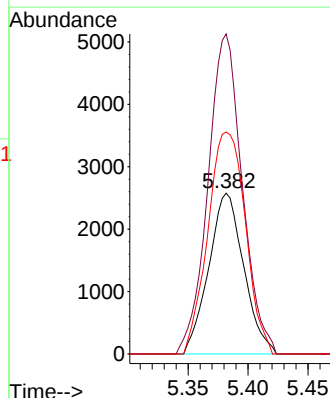
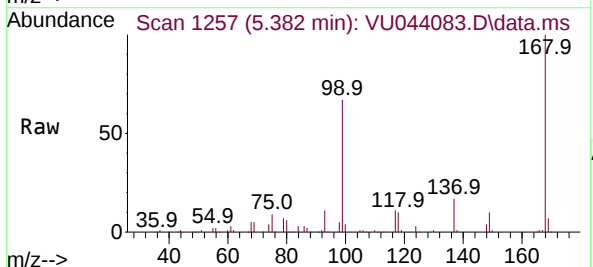
RT: 5.382 min Scan# 1257

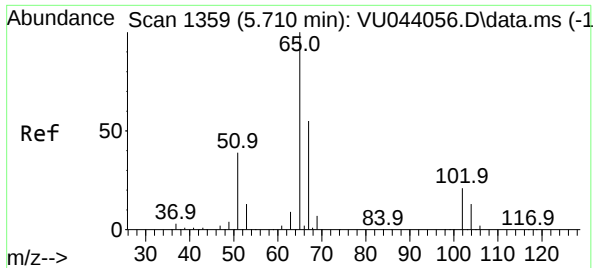
Delta R.T. -0.013 min

Lab File: VU044083.D

Acq: 08 Jun 2021 02:08

Tgt Ion:	56	Resp:	5225
Ion	Ratio	Lower	Upper
56	100		
69	199.0	25.4	38.2#
84	138.0	64.2	96.2#

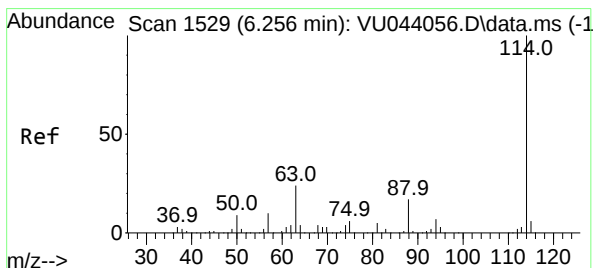
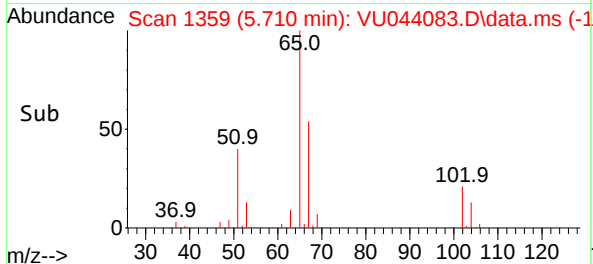
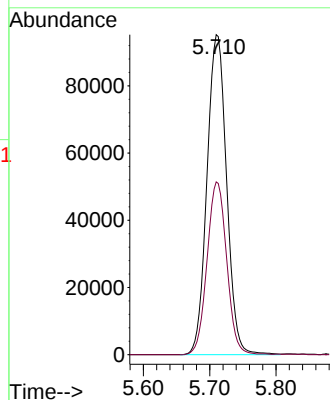
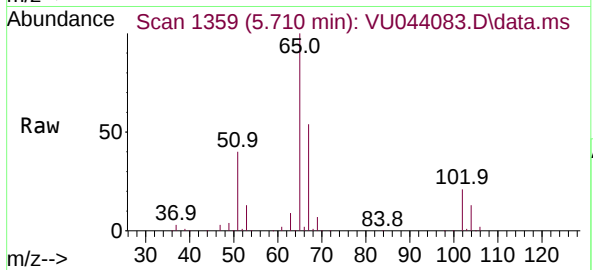




#33
1,2-Dichloroethane-d4
Concen: 52.124 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

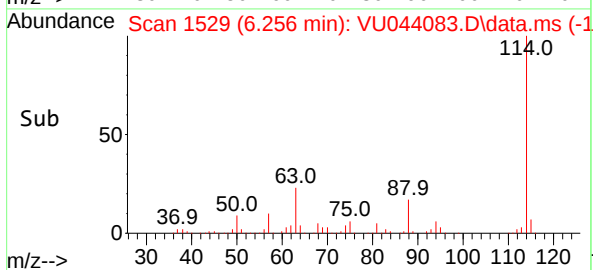
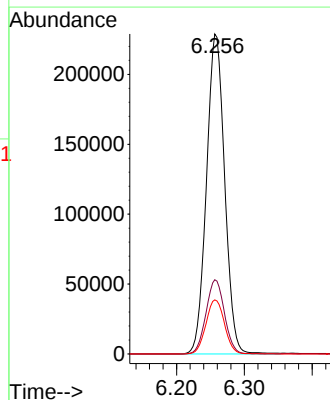
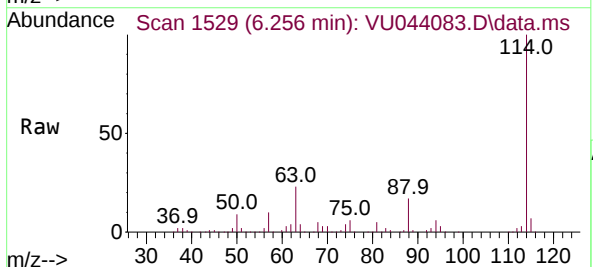
Instrument :
MSVOA_U
ClientSampleId :
18-B5(0-2)

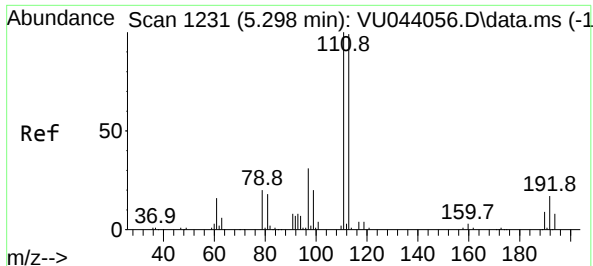
Tgt Ion: 65 Resp: 195901
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 114 Resp: 426725
Ion Ratio Lower Upper
114 100
63 23.2 0.0 48.4
88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.490 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044083.D

Acq: 08 Jun 2021 02:08

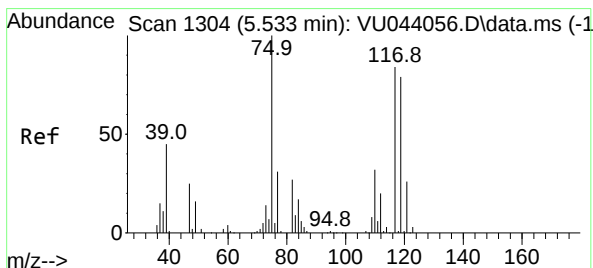
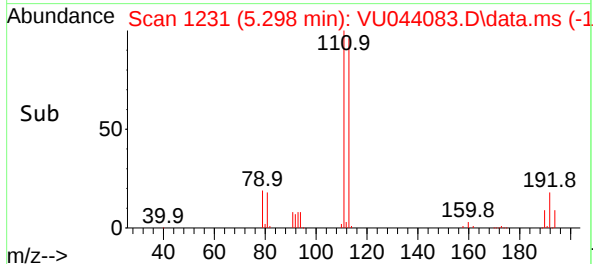
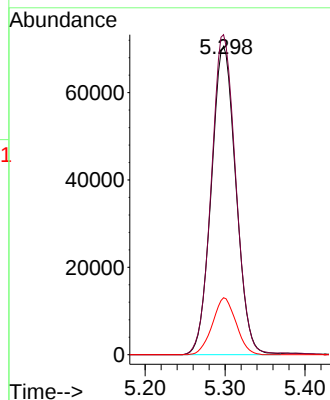
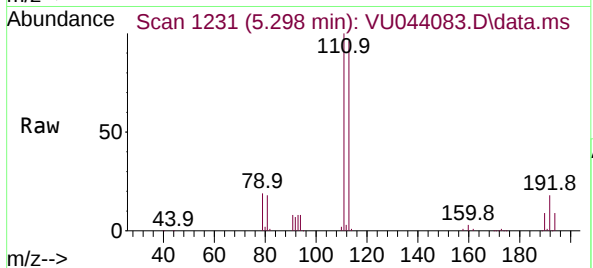
Tgt Ion:113 Resp: 150708

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 17.7 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.083 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044083.D

Acq: 08 Jun 2021 02:08

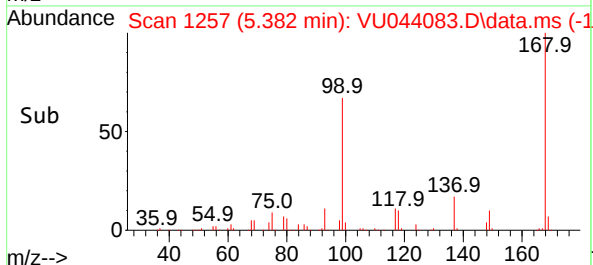
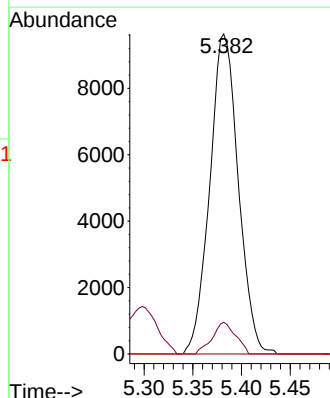
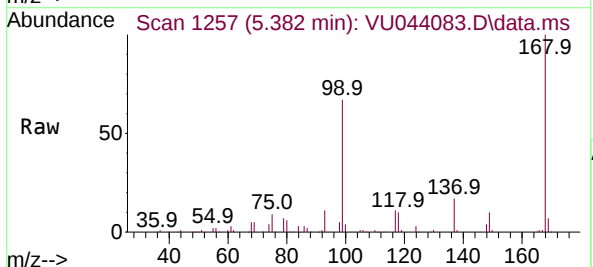
Tgt Ion: 75 Resp: 19630

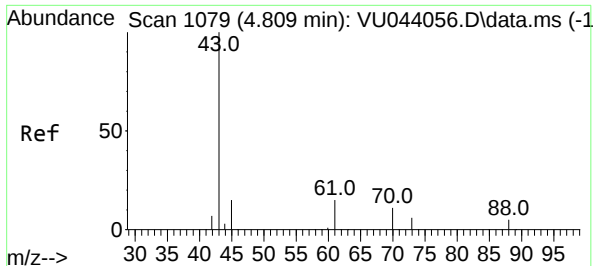
Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.7#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.478 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. -0.093 min

Lab File: VU044083.D

Acq: 08 Jun 2021 02:08

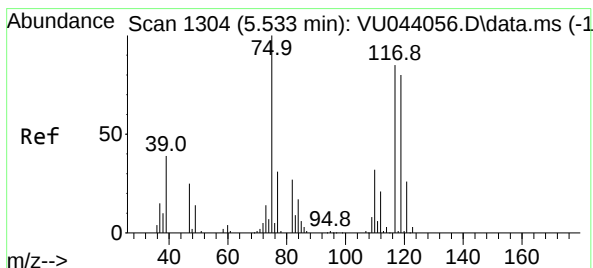
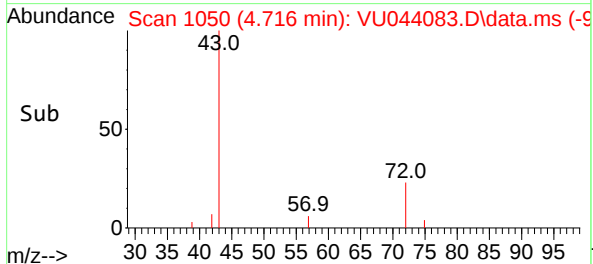
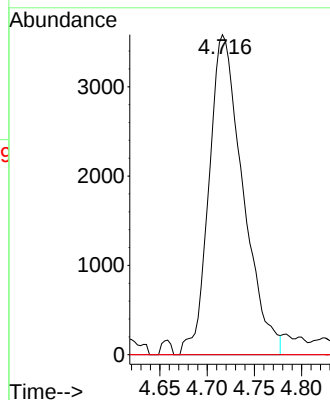
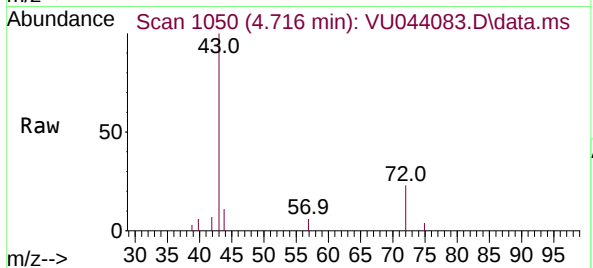
Instrument :

MSVOA_U

ClientSampleId :

18-B5(0-2)

Tgt Ion:	43	Resp:	8952
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	0.0	8.6	12.8#



#38

Carbon Tetrachloride

Concen: 5.386 ug/l

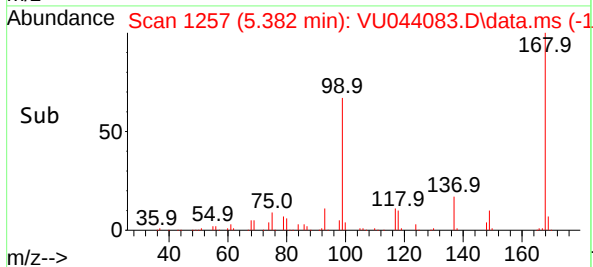
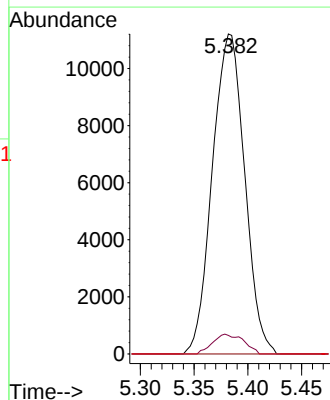
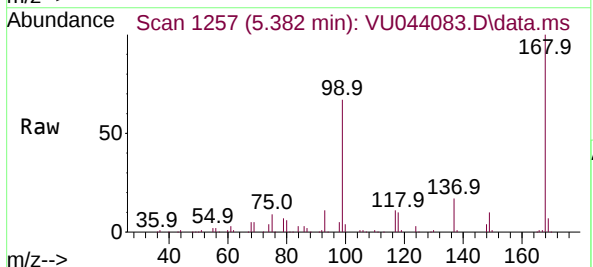
RT: 5.382 min Scan# 1257

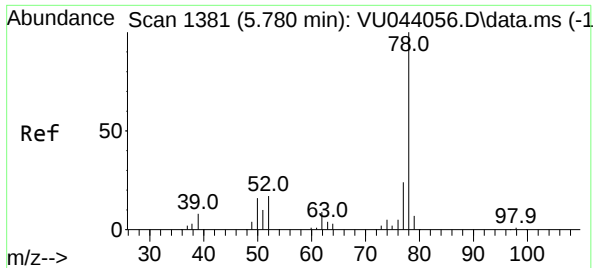
Delta R.T. -0.151 min

Lab File: VU044083.D

Acq: 08 Jun 2021 02:08

Tgt Ion:	117	Resp:	23397
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.4	113.2#
121	0.0	24.5	36.7#

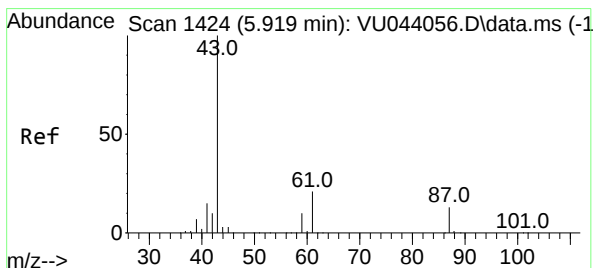
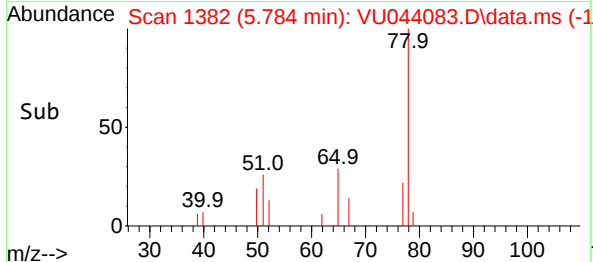
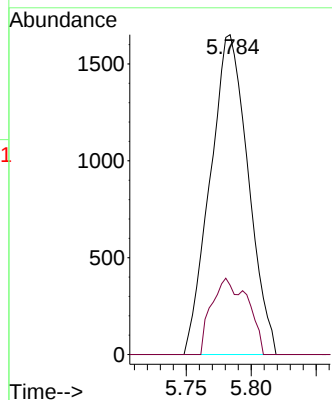
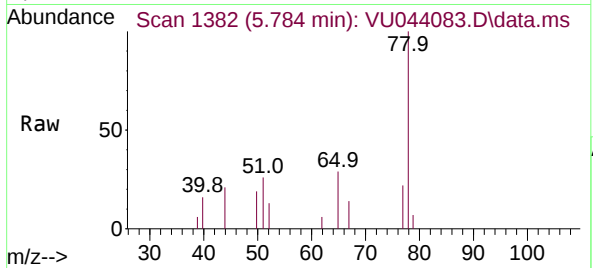




#40
Benzene
Concen: 0.231 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

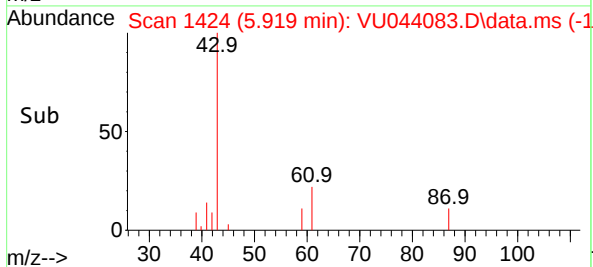
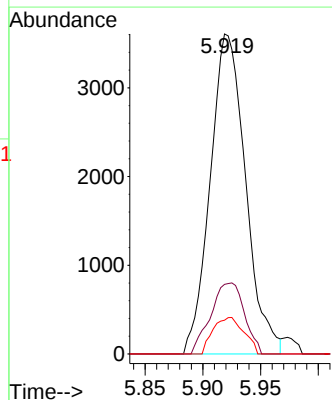
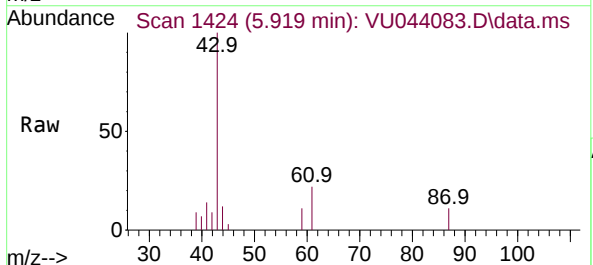
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

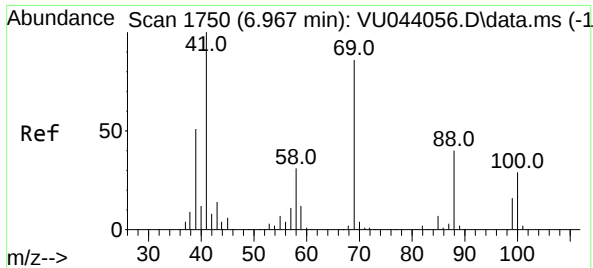
Tgt Ion: 78 Resp: 3354
Ion Ratio Lower Upper
78 100
77 21.7 19.1 28.7



#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 43 Resp: 7682
Ion Ratio Lower Upper
43 100
61 21.1 16.8 25.2
87 10.0 10.2 15.2#

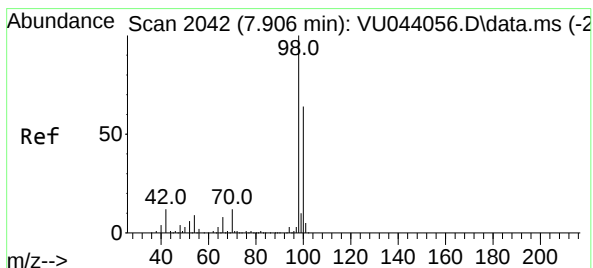
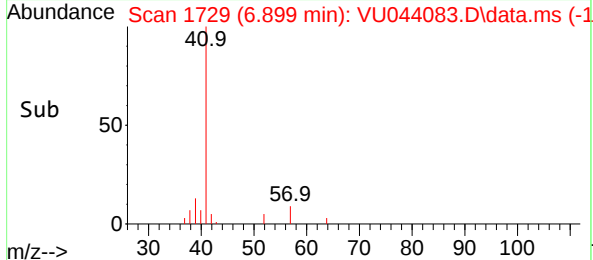
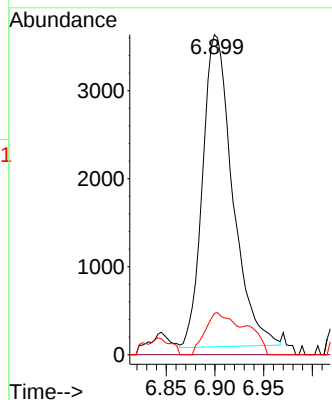
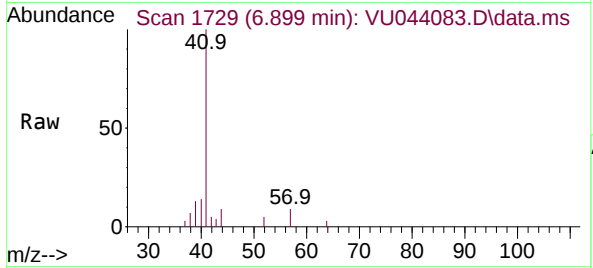




#48
Methyl methacrylate
Concen: 1.799 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

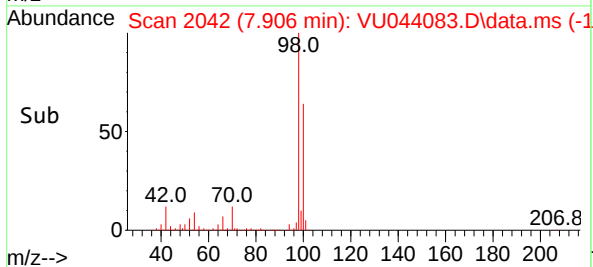
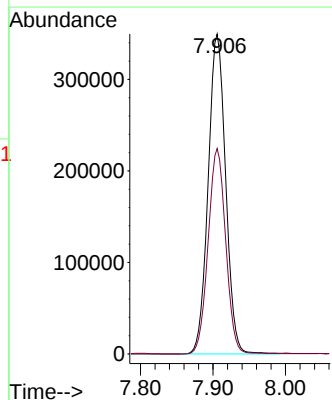
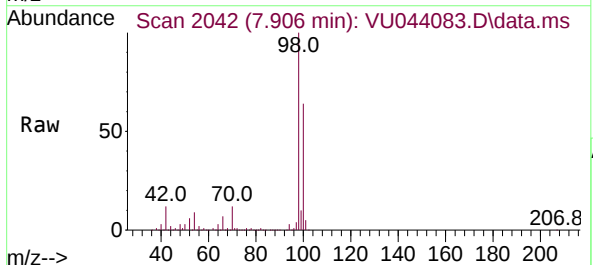
Instrument :
MSVOA_U
ClientSampleId :
18-B5(0-2)

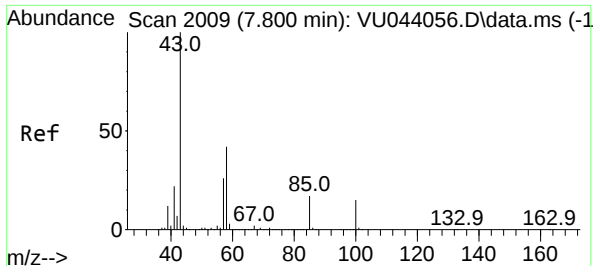
Tgt Ion: 41 Resp: 7595
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 13.0 40.6 60.8#



#50
Toluene-d8
Concen: 49.923 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 98 Resp: 586390
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

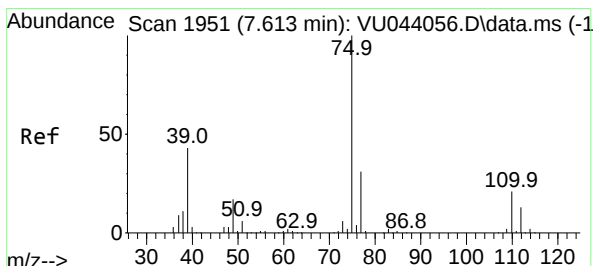
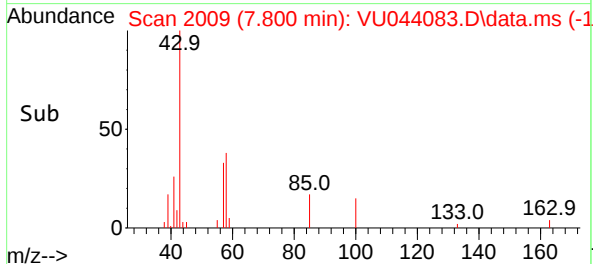
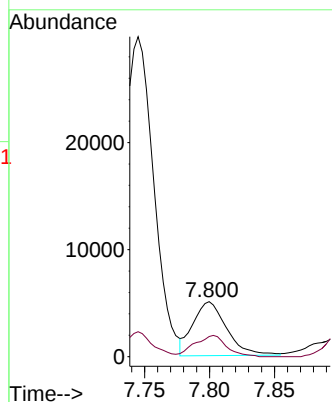
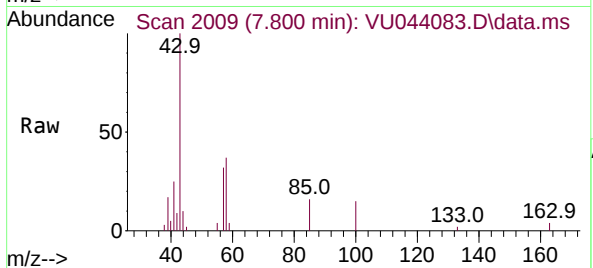




#51
4-Methyl-2-Pentanone
Concen: 1.430 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

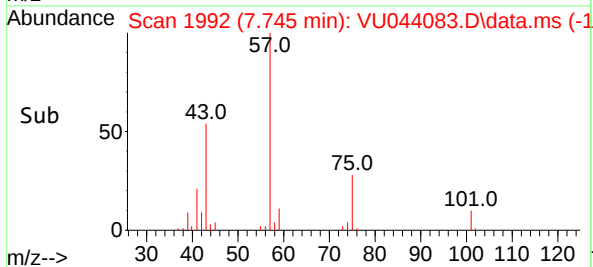
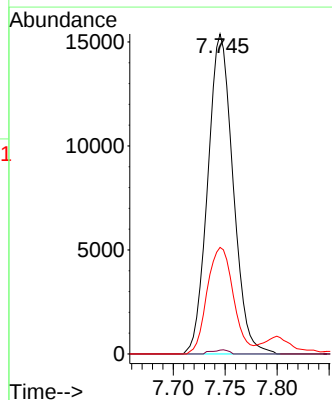
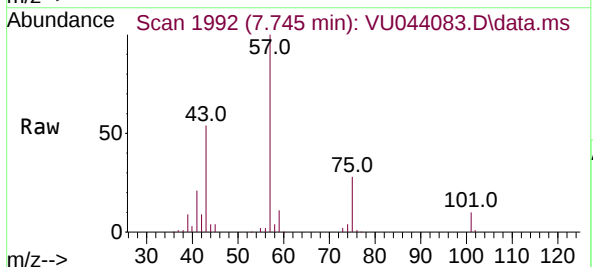
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

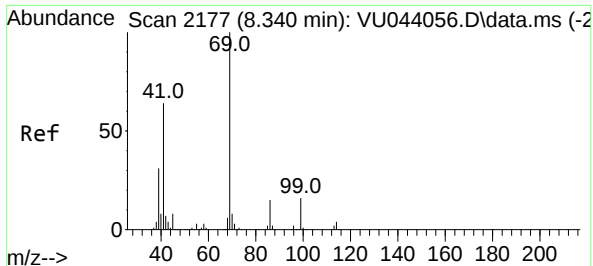
Tgt Ion: 43 Resp: 9097
Ion Ratio Lower Upper
43 100
58 37.2 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 4.429 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 75 Resp: 26037
Ion Ratio Lower Upper
75 100
77 1.2 25.0 37.4#
39 33.3 34.7 52.1#

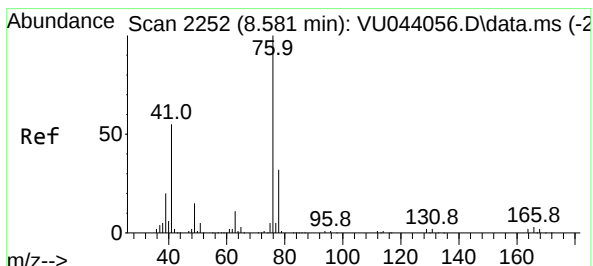
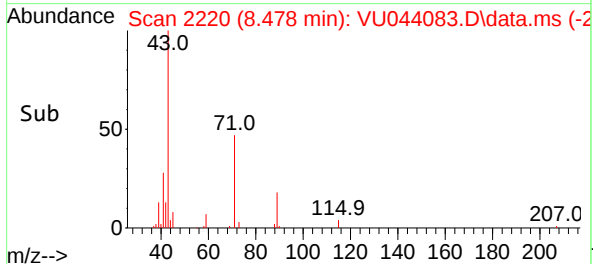
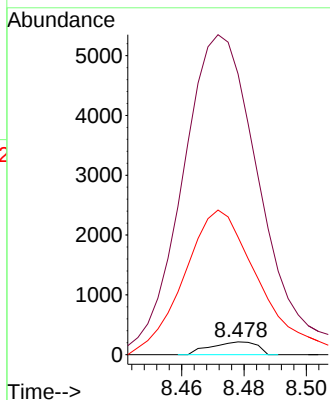
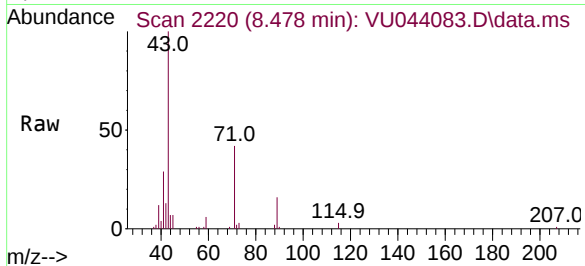




#56
Ethyl methacrylate
Concen: 3.418 ug/l
RT: 8.478 min Scan# 2220
Delta R.T. 0.138 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

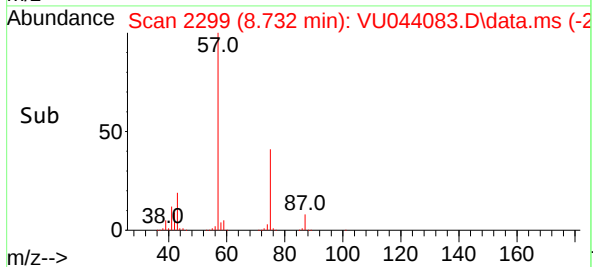
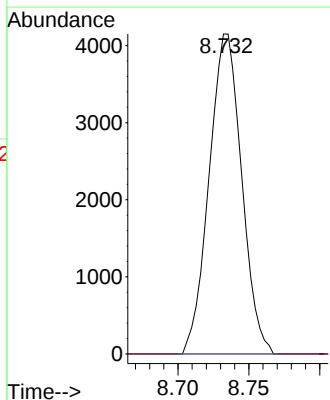
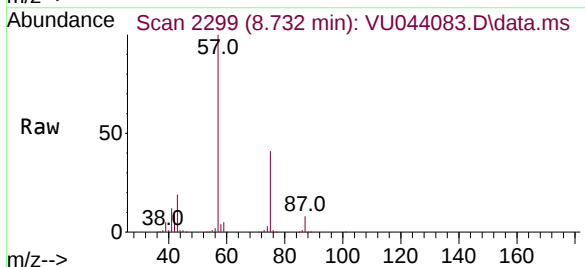
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

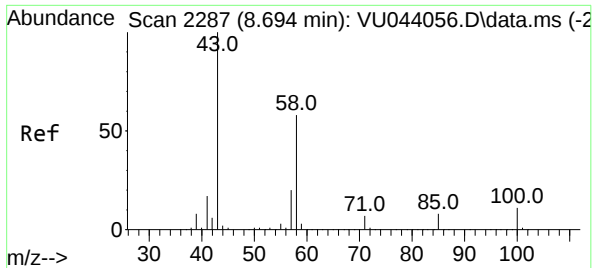
Tgt Ion: 69 Resp: 220
Ion Ratio Lower Upper
69 100
41 4261.4 51.4 77.0#
39 1841.4 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 1.025 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 76 Resp: 6633
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

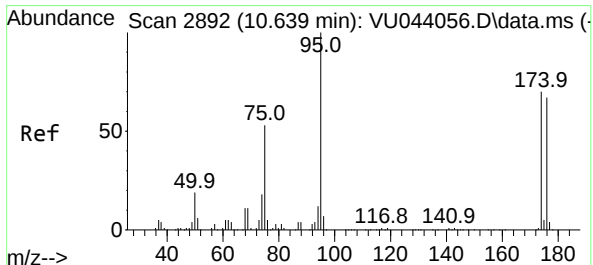
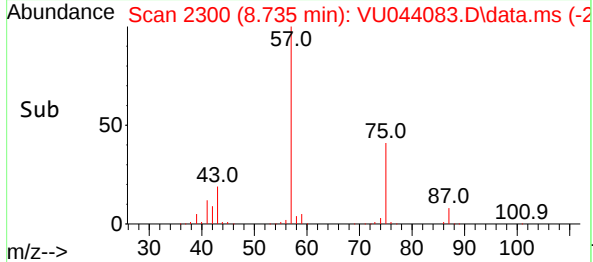
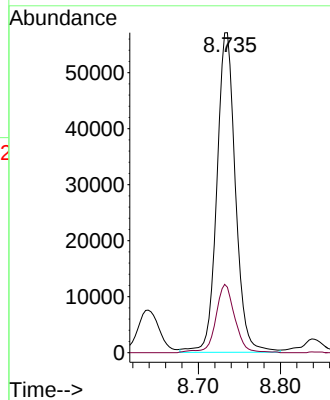
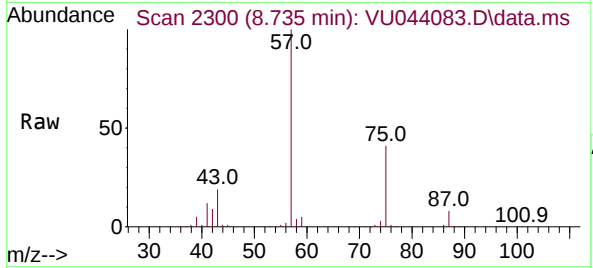




#59
2-Hexanone
Concen: 18.203 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

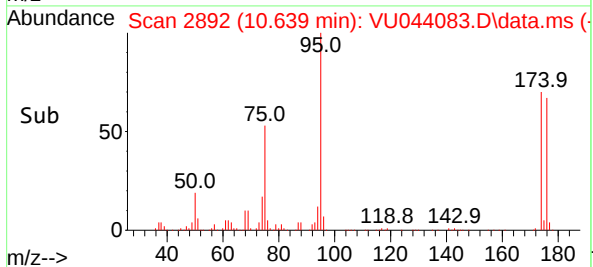
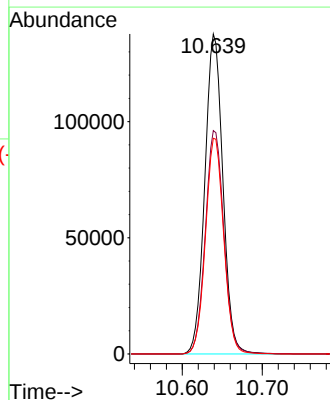
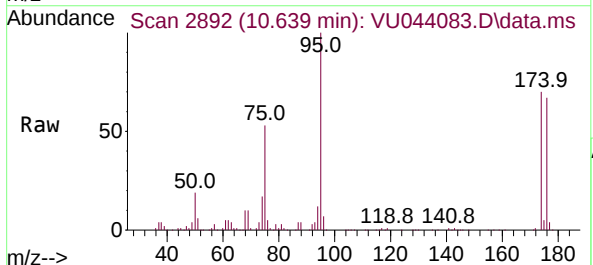
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

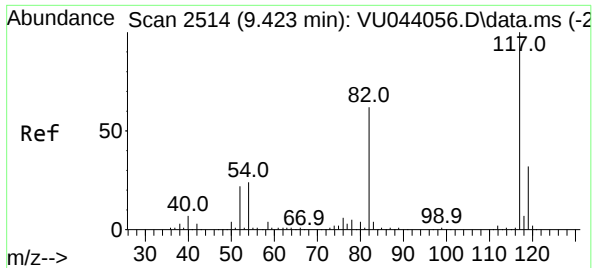
Tgt Ion: 43 Resp: 89963
Ion Ratio Lower Upper
43 100
58 22.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.536 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 95 Resp: 216412
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.0
176 68.2 0.0 135.2

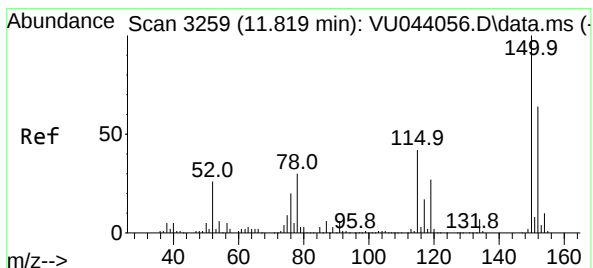
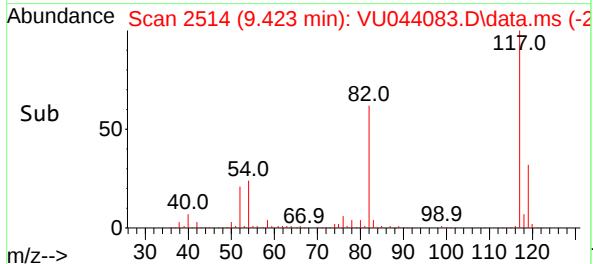
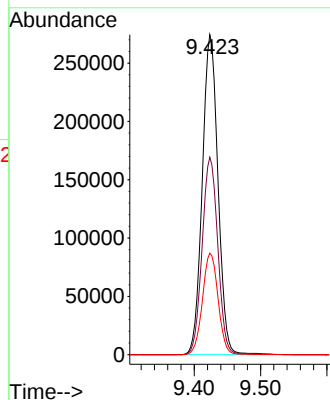
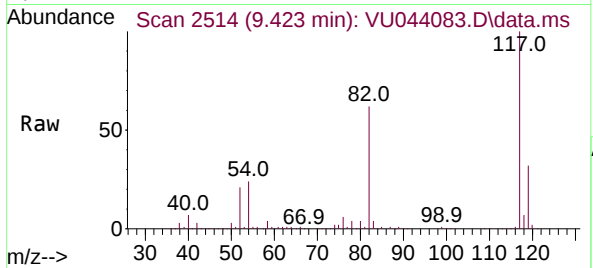




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

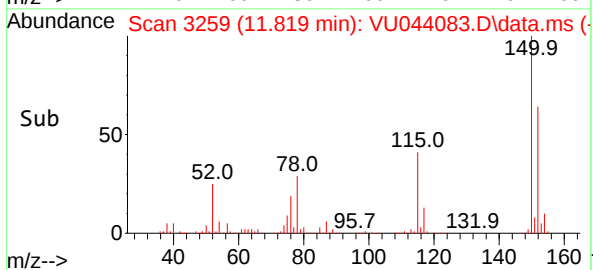
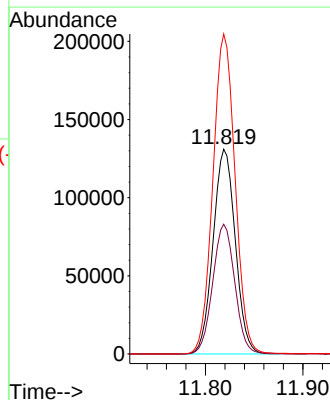
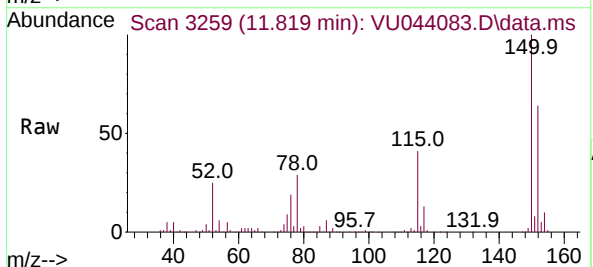
Instrument :
MSVOA_U
ClientSampleId :
18-B5(0-2)

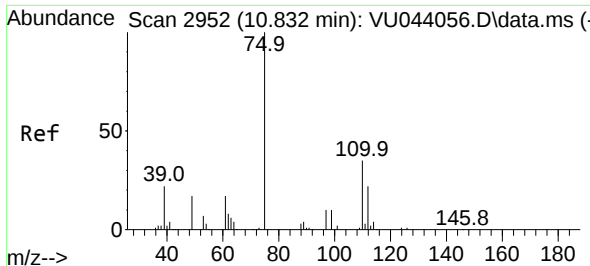
Tgt Ion:117 Resp: 452416
Ion Ratio Lower Upper
117 100
82 61.7 50.0 75.0
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion:152 Resp: 207712
Ion Ratio Lower Upper
152 100
115 62.7 44.6 134.0
150 156.0 0.0 347.8

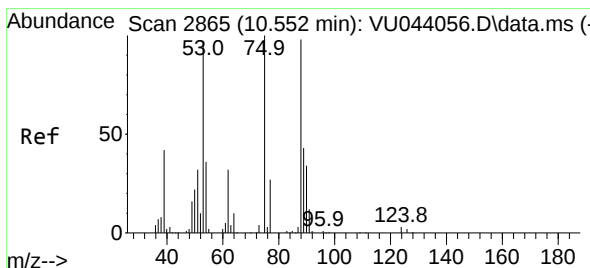
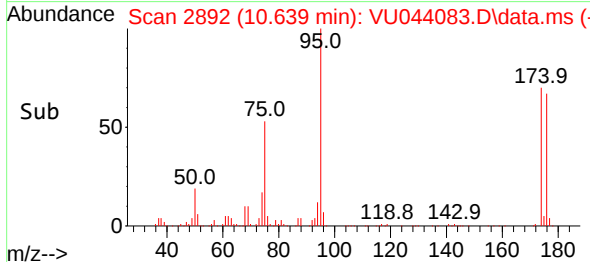
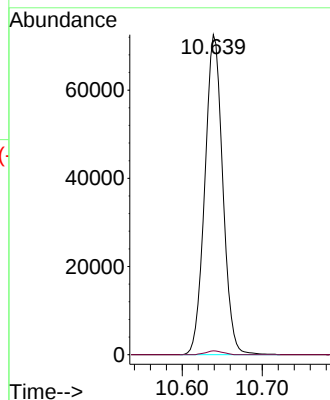
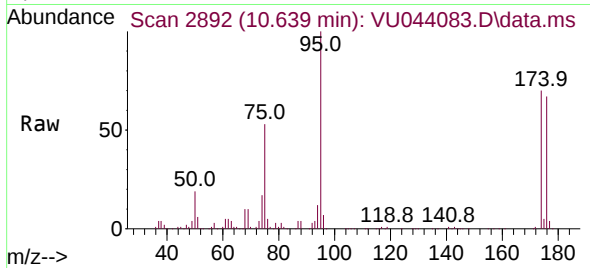




#76
1,2,3-Trichloropropane
Concen: 19.509 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

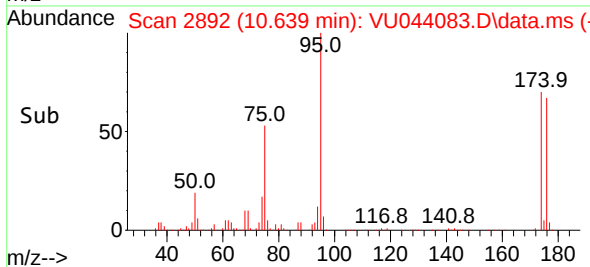
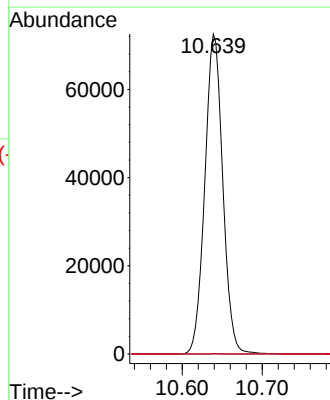
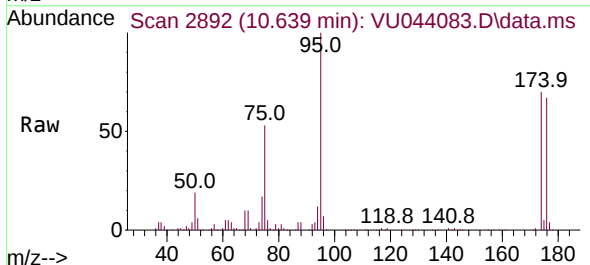
Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

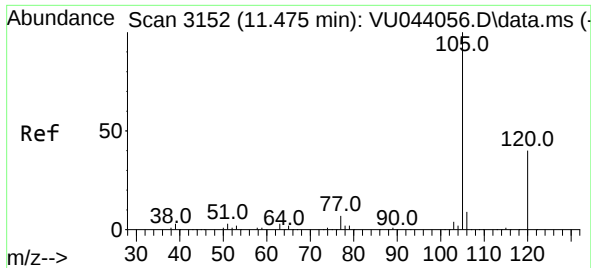
Tgt Ion: 75 Resp: 113361
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.967 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion: 75 Resp: 113361
Ion Ratio Lower Upper
75 100
53 0.0 76.9 115.3#
89 0.0 33.8 50.8#

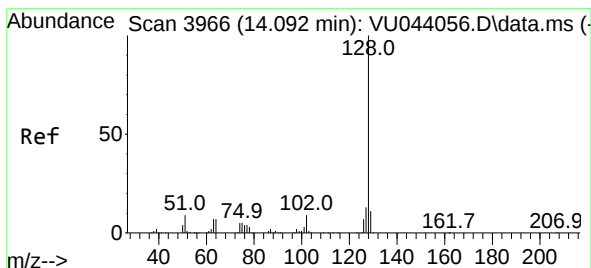
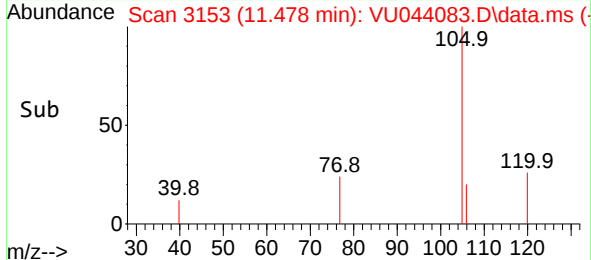
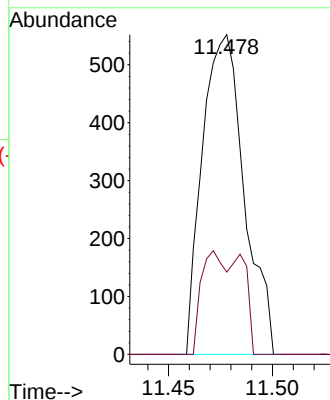
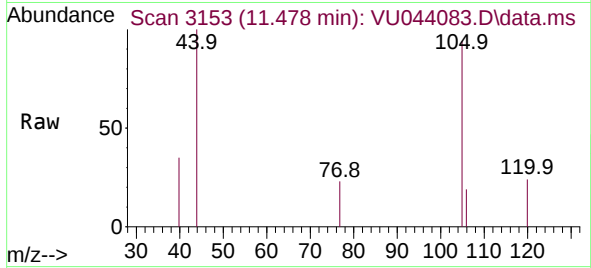




#84
1,2,4-Trimethylbenzene
Concen: 1.005 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Instrument :
MSVOA_U
ClientSampled :
18-B5(0-2)

Tgt Ion:105 Resp: 774
Ion Ratio Lower Upper
105 100
120 19.1 21.9 65.7#



#95
Naphthalene
Concen: 3.649 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044083.D
Acq: 08 Jun 2021 02:08

Tgt Ion:128 Resp: 12061
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 8.7 8.7 13.1

