

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044076.D
 Acq On : 07 Jun 2021 23:24
 Operator : SY/MD
 Sample : M2589-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 18-B7(2-4)

Quant Time: Jun 08 05:47:22 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)

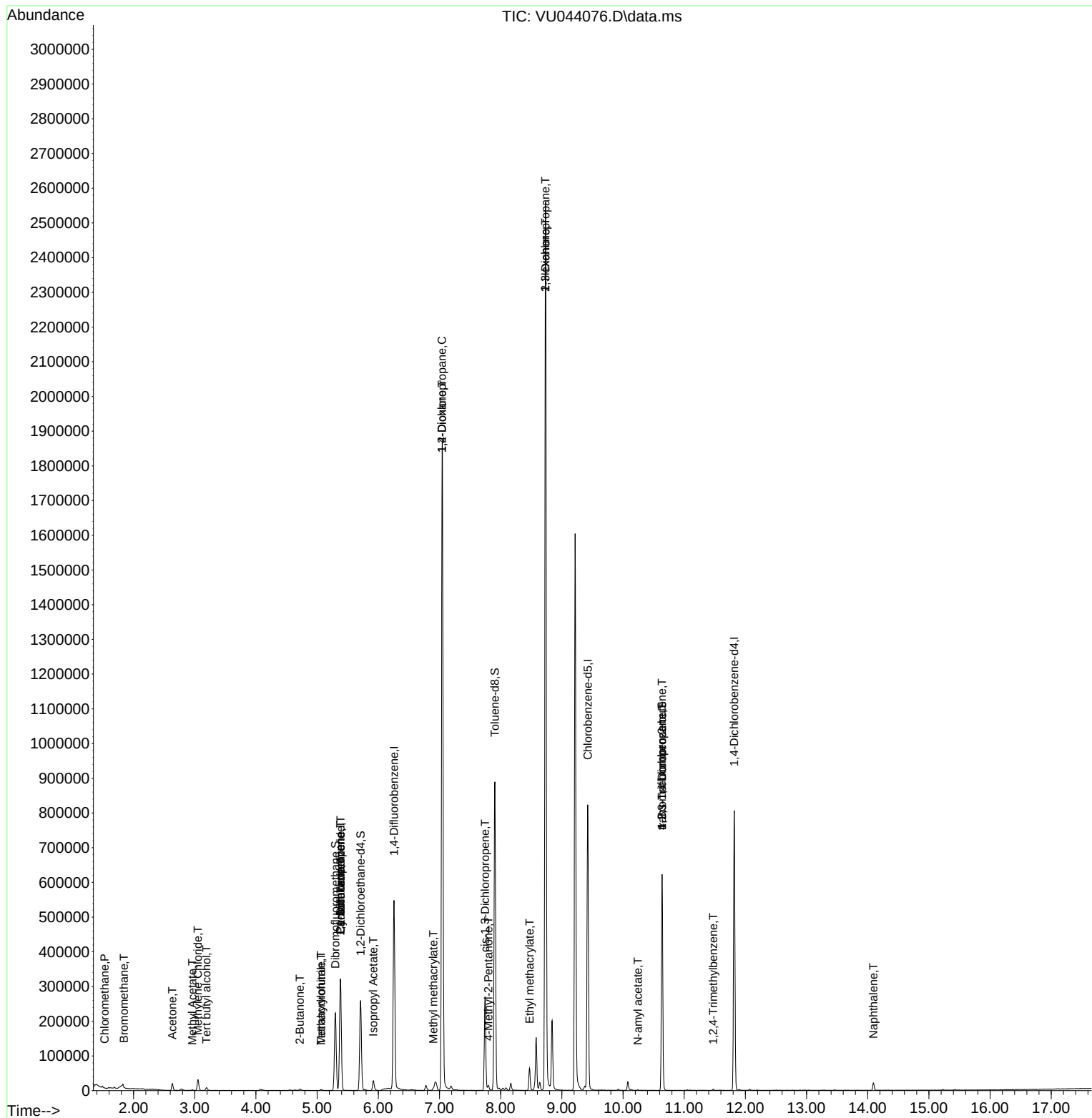
Internal Standards						
1) Pentafluorobenzene	5.382	168	205894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	417032	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	427139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	198892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	189202	52.764	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.520%	
35) Dibromofluoromethane	5.298	113	144593	48.586	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.180%	
50) Toluene-d8	7.906	98	574666	50.062	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.120%	
62) 4-Bromofluorobenzene	10.639	95	210389	46.292	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.580%	
Target Compounds					Qvalue	
3) Chloromethane	1.527	50	1096	0.257	ug/l	99
5) Bromomethane	1.842	94	642	0.406	ug/l	93
11) Tert butyl alcohol	3.189	59	5573	6.269	ug/l #	72
16) Acetone	2.633	43	22553	10.898	ug/l	100
18) Methyl Acetate	2.961	43	2844	0.623	ug/l #	88
20) Methylene Chloride	3.051	84	14720	3.151	ug/l	98
25) 2-Butanone	4.716	43	6071	2.056	ug/l	99
29) Tetrahydrofuran	5.067	42	1832	1.118	ug/l	95
31) Cyclohexane	5.382	56	4970	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	19658	4.184	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22286	5.250	ug/l #	17
41) Methacrylonitrile	5.064	41	994	0.319	ug/l #	45
43) Isopropyl Acetate	5.919	43	29098	3.477	ug/l	98
45) 1,2-Dichloropropane	7.041	63	2192	0.567	ug/l #	42
48) Methyl methacrylate	6.899	41	10383	2.516	ug/l #	14
49) 1,4-Dioxane	7.041	88	226	2.227	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	8708	1.401	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	47457	8.260	ug/l #	67
56) Ethyl methacrylate	8.472	69	376	3.442	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	24538	3.878	ug/l #	42
59) 2-Hexanone	8.732	43	345831	71.600	ug/l #	49
74) N-amyl acetate	10.243	43	1370	0.224	ug/l #	40
76) 1,2,3-Trichloropropane	10.639	75	108899	19.573	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	108899	57.152	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	1706	1.079	ug/l	86
95) Naphthalene	14.092	128	18037	4.100	ug/l	99

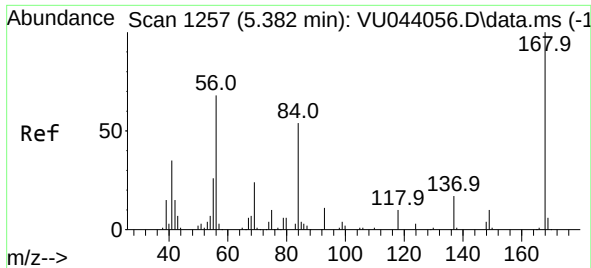
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

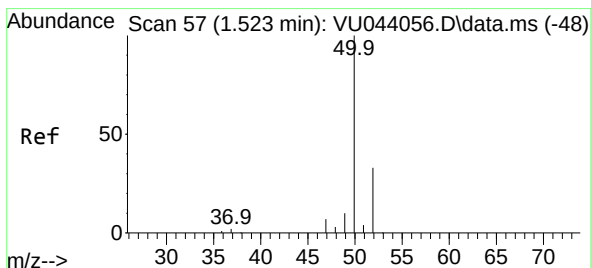
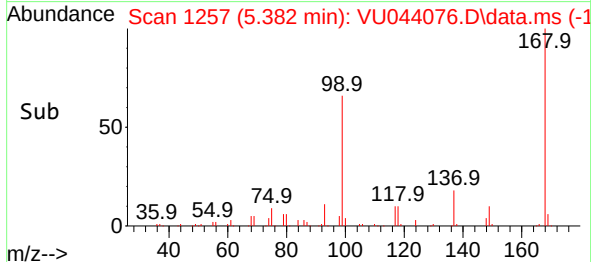
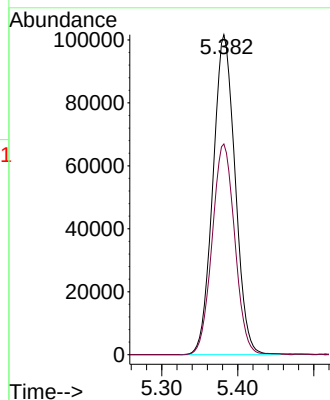
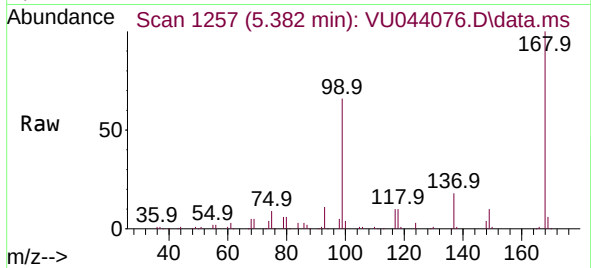




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

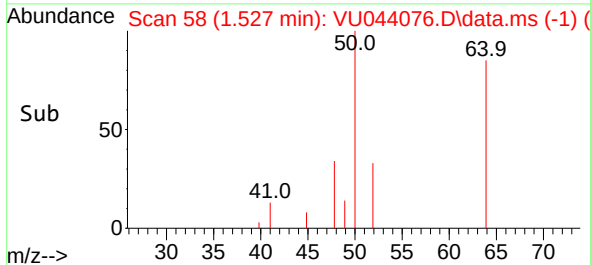
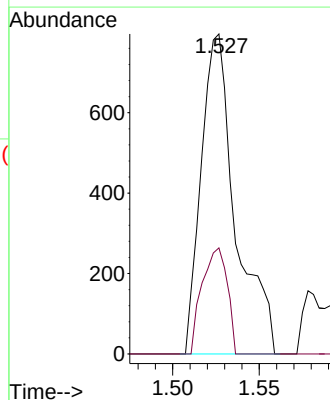
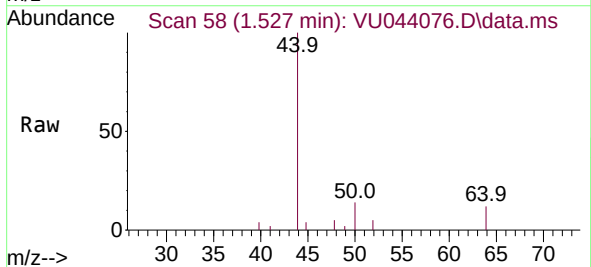
Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

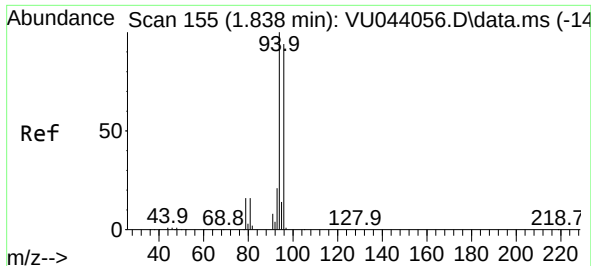
Tgt Ion:168 Resp: 205894
Ion Ratio Lower Upper
168 100
99 65.8 52.6 78.8



#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 50 Resp: 1096
Ion Ratio Lower Upper
50 100
52 33.2 26.2 39.2

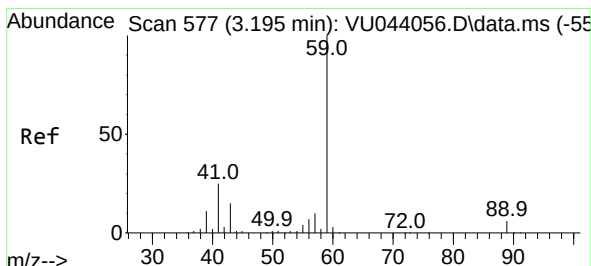
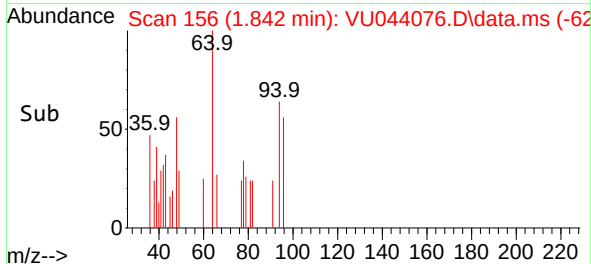
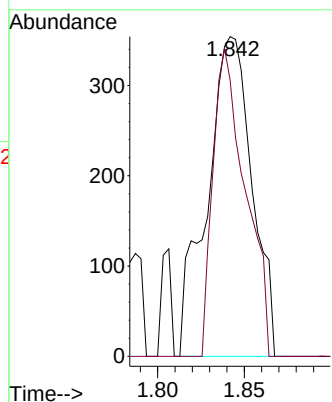
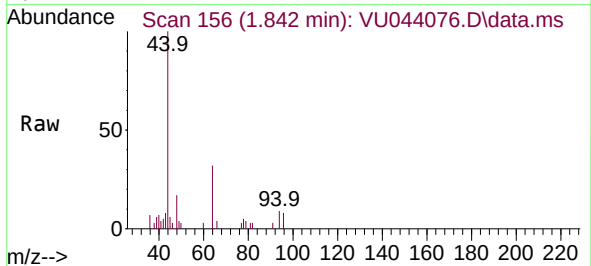




#5
Bromomethane
Concen: 0.406 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

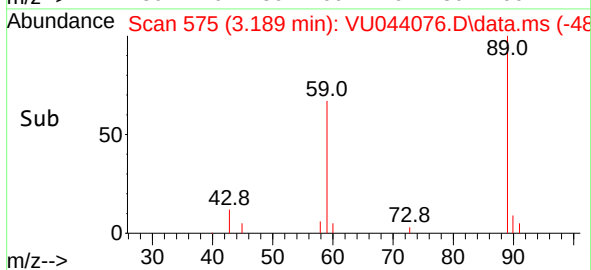
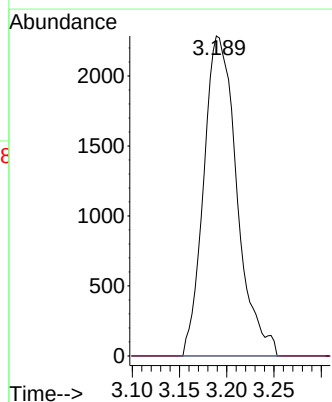
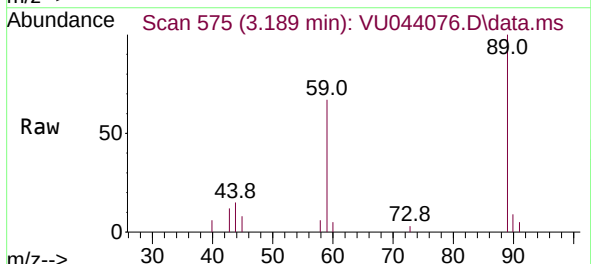
Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

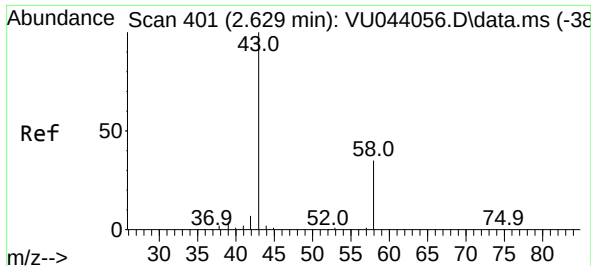
Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 86.4 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.269 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

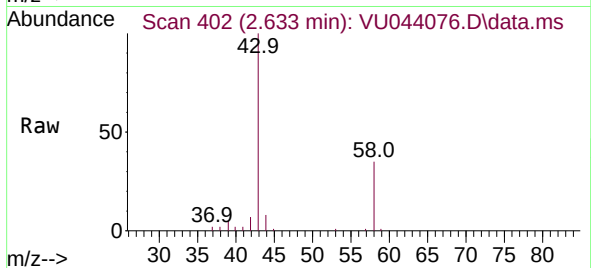
Tgt Ion: 59 Resp: 5573
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



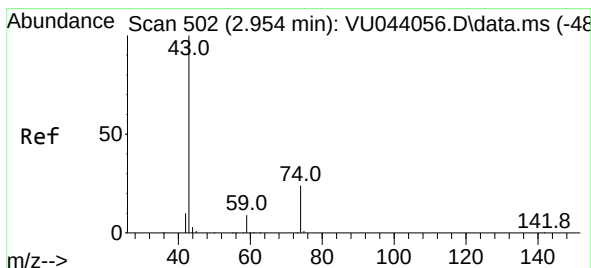
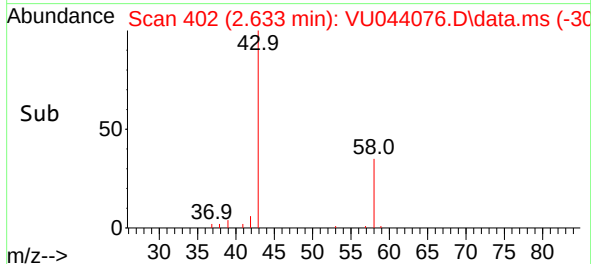
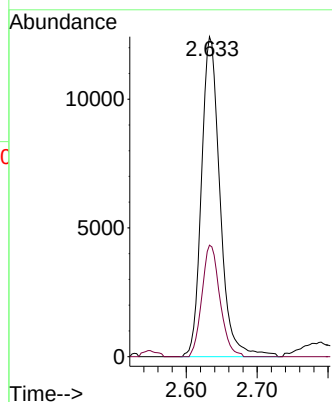


#16
Acetone
Concen: 10.898 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

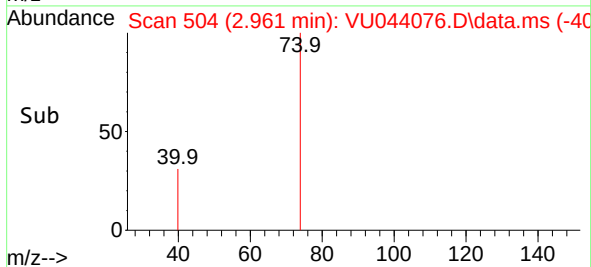
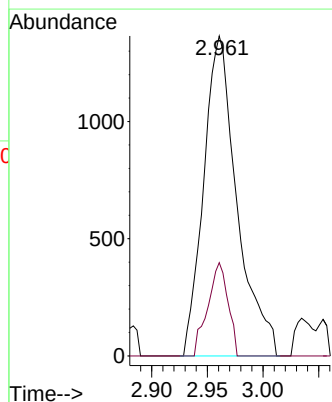
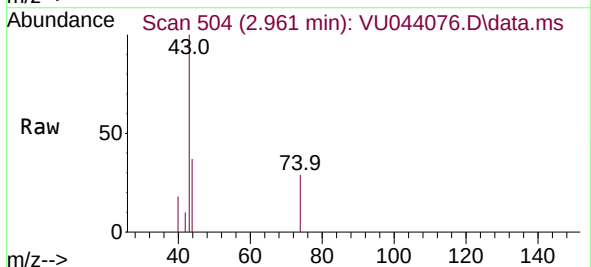


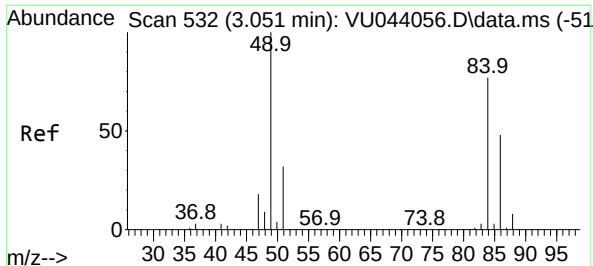
Tgt Ion: 43 Resp: 22553
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5



#18
Methyl Acetate
Concen: 0.623 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

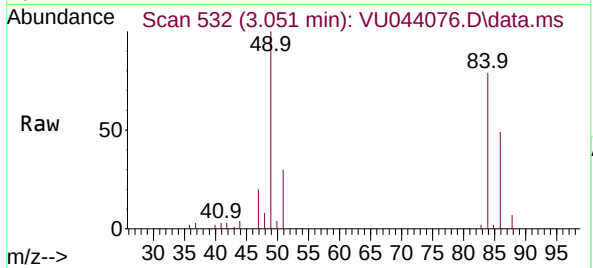
Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
74 17.6 18.7 28.1#



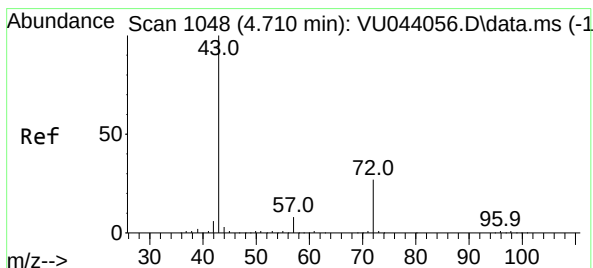
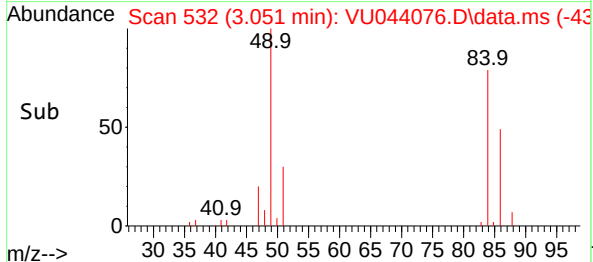
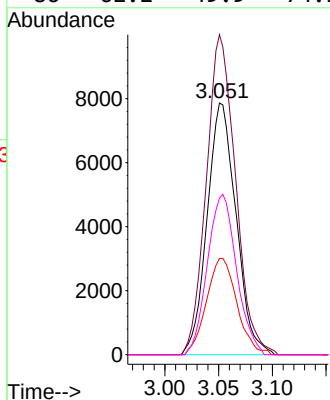


#20
Methylene Chloride
Concen: 3.151 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

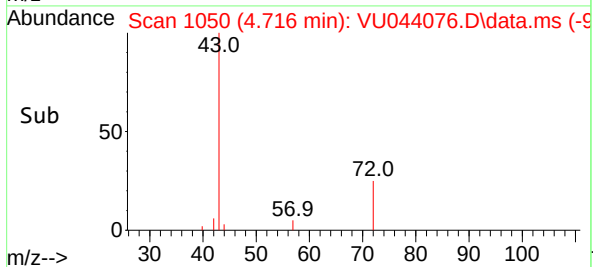
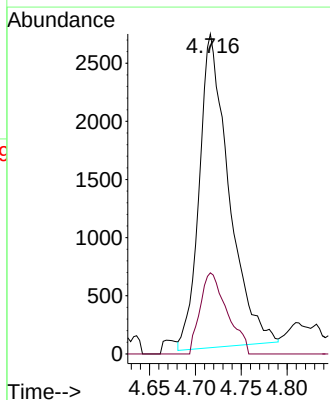
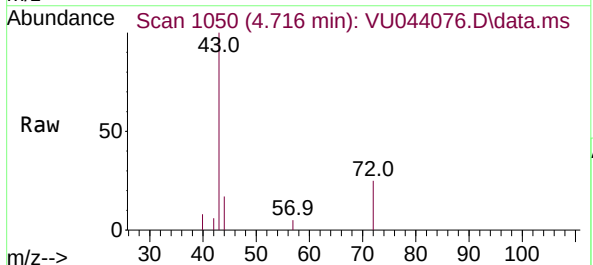


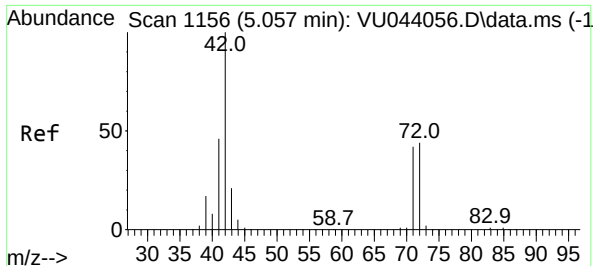
Tgt Ion:	84	Resp:	14720
Ion	Ratio	Lower	Upper
84	100		
49	127.1	103.6	155.4
51	38.2	32.8	49.2
86	62.2	49.9	74.9



#25
2-Butanone
Concen: 2.056 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion:	43	Resp:	6071
Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.4	32.2





#29

Tetrahydrofuran

Concen: 1.118 ug/l

RT: 5.067 min Scan# 1159

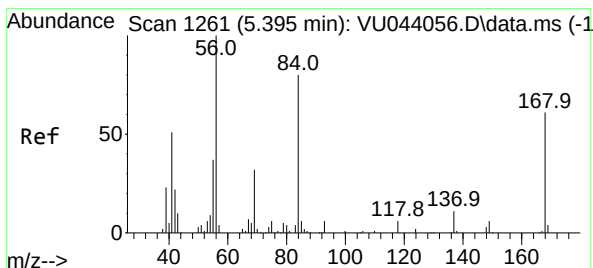
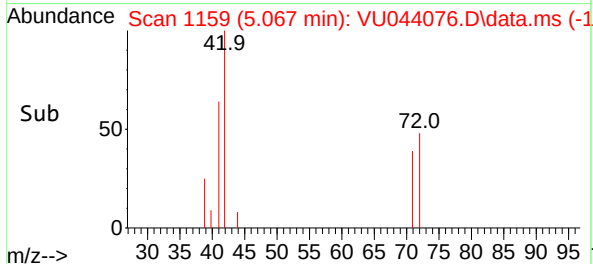
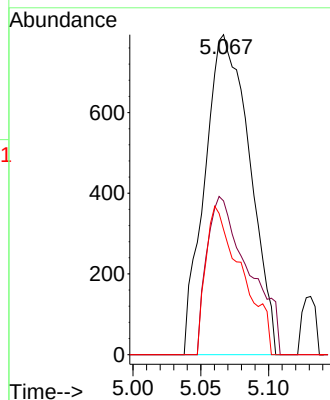
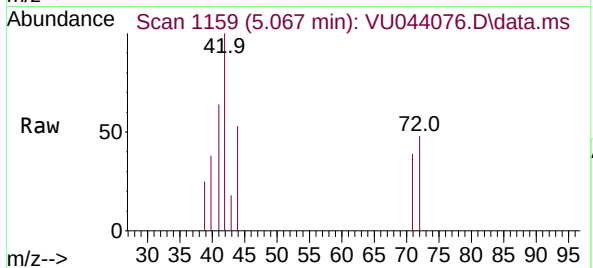
Delta R.T. 0.010 min

Lab File: VU044076.D

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18-B7(2-4)

Tgt Ion: 42	Resp: 1832
Ion Ratio	Lower Upper
42 100	
72 46.0	35.6 53.4
71 37.2	33.3 49.9



#31

Cyclohexane

Concen: 1.004 ug/l

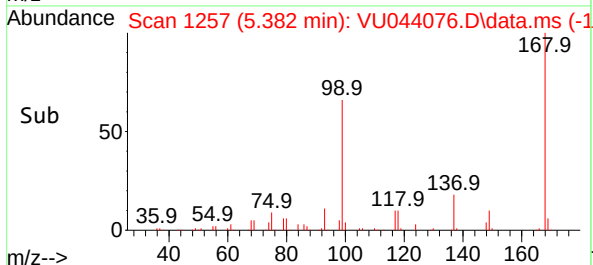
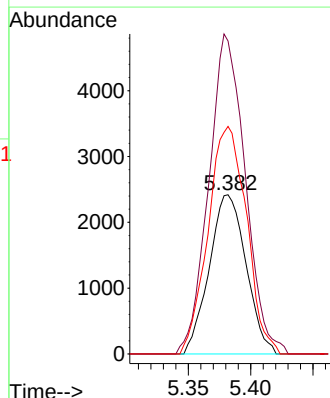
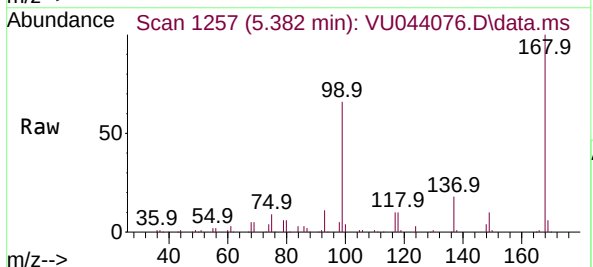
RT: 5.382 min Scan# 1257

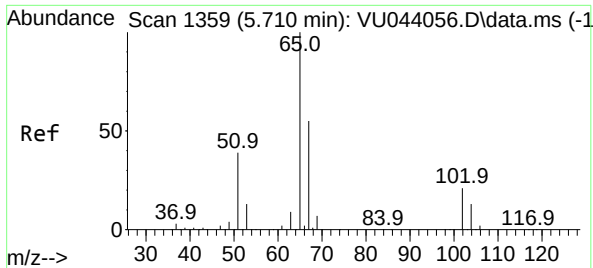
Delta R.T. -0.013 min

Lab File: VU044076.D

Acq: 07 Jun 2021 23:24

Tgt Ion: 56	Resp: 4970		
Ion Ratio	Lower	Upper	
56	100		
69	191.9	25.4	38.2#
84	143.0	64.2	96.2#



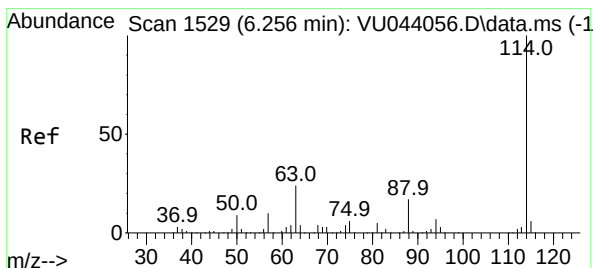
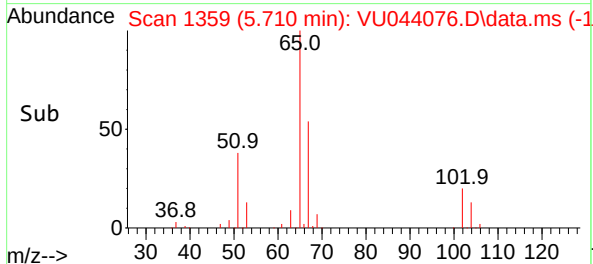
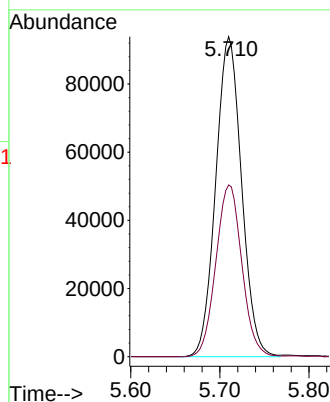
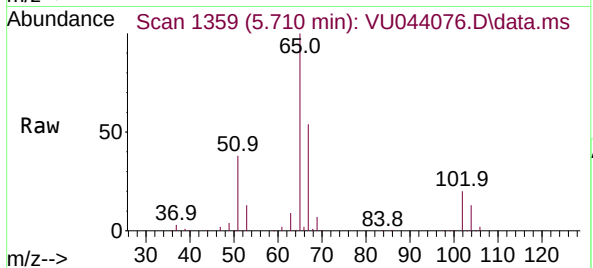


#33

1,2-Dichloroethane-d4
Concen: 52.764 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044076.D
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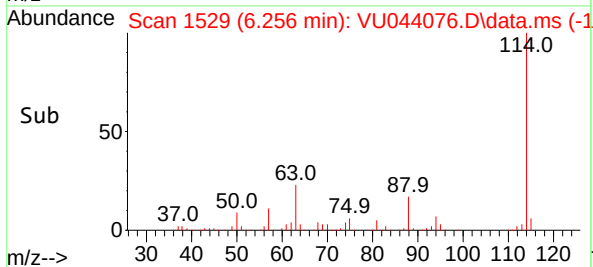
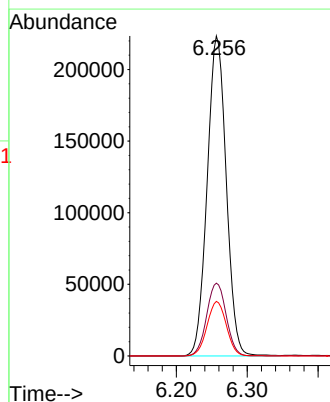
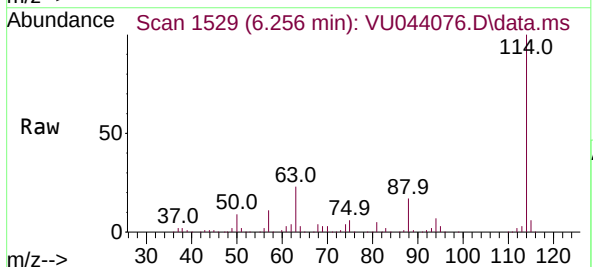
Tgt Ion: 65 Resp: 189202
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.2

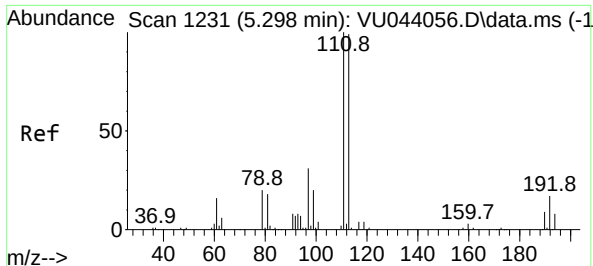


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 114 Resp: 417032
Ion Ratio Lower Upper
114 100
63 22.7 0.0 48.4
88 17.0 0.0 34.4

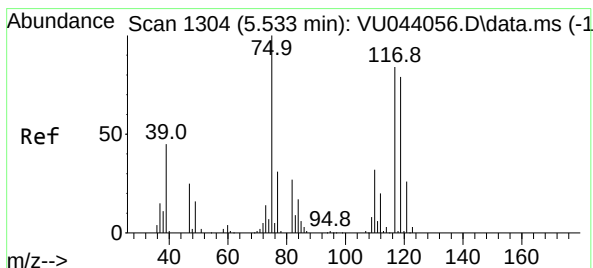
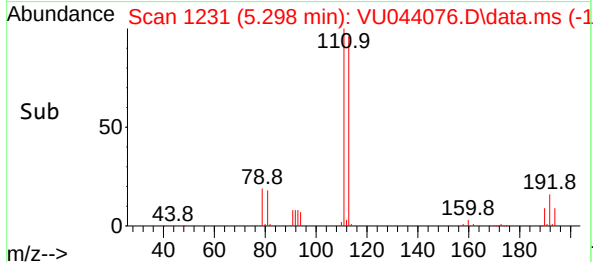
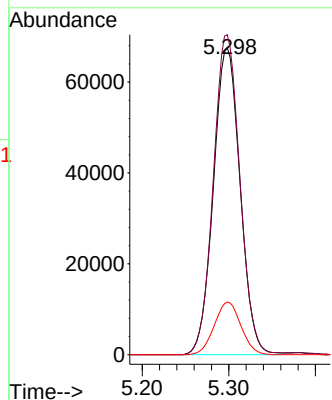
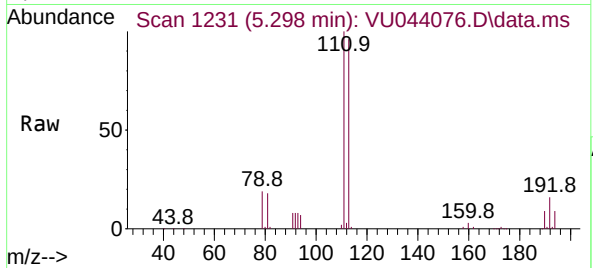




#35
Dibromofluoromethane
Concen: 48.586 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

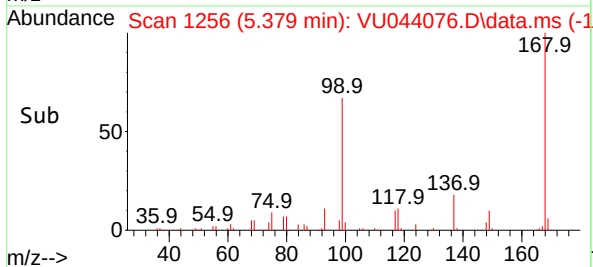
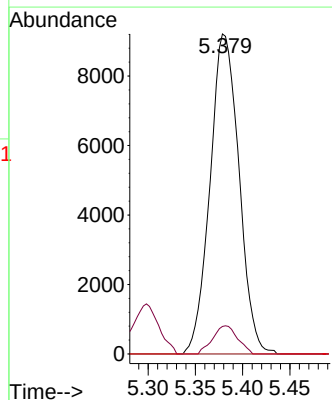
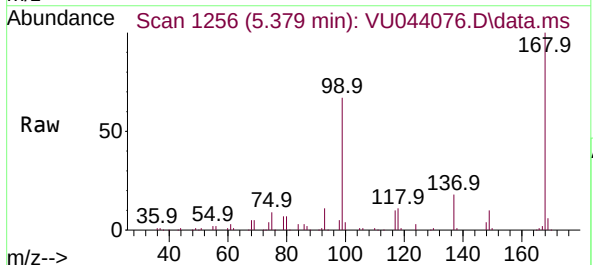
Instrument :
MSVOA_U
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18-B7(2-4)

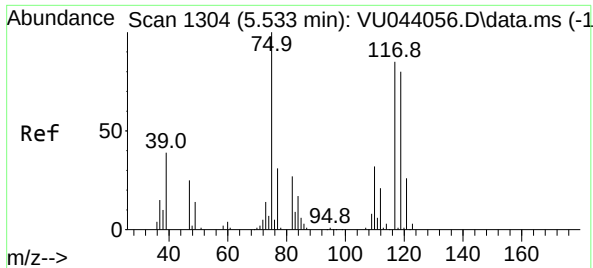
Tgt Ion:113 Resp: 144593
Ion Ratio Lower Upper
113 100
111 103.7 82.1 123.1
192 17.1 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.184 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

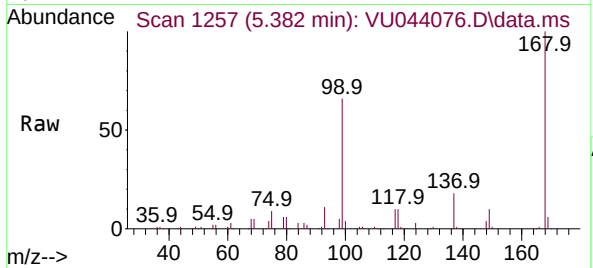
Tgt Ion: 75 Resp: 19658
Ion Ratio Lower Upper
75 100
110 7.6 15.9 47.7#
77 0.0 25.0 37.4#



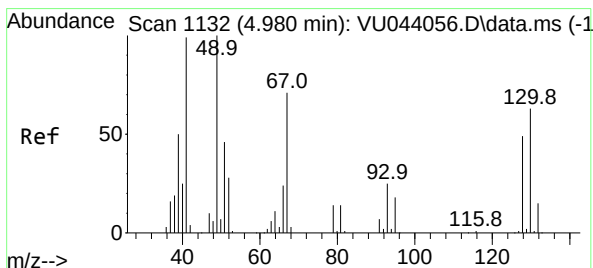
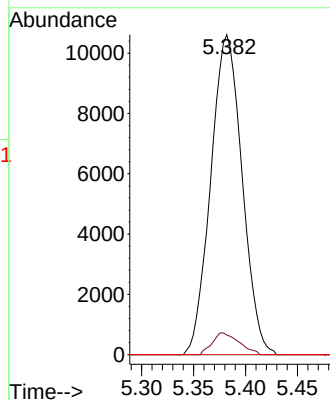
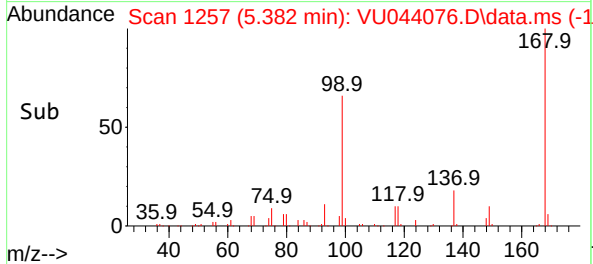


#38
Carbon Tetrachloride
Concen: 5.250 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

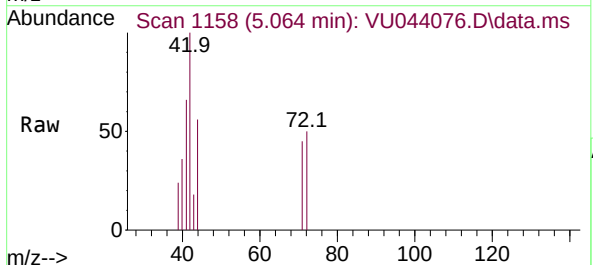
Instrument :
MSVOA_U
ClientSampled :
18-B7(2-4)



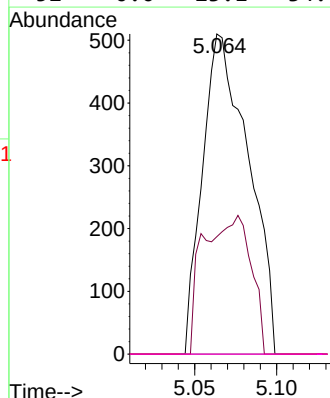
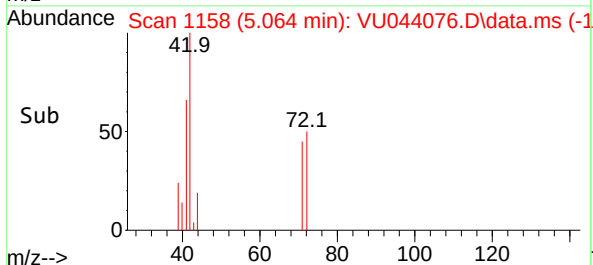
Tgt Ion:117 Resp: 22286
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 24.5 36.7#

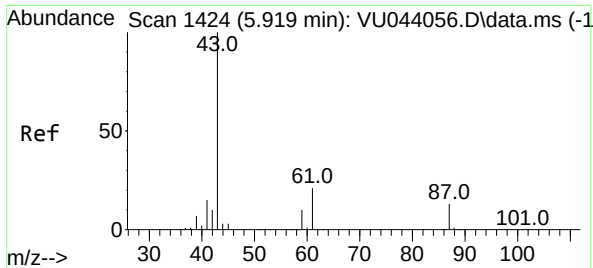


#41
Methacrylonitrile
Concen: 0.319 ug/l
RT: 5.064 min Scan# 1158
Delta R.T. 0.084 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24



Tgt Ion: 41 Resp: 994
Ion Ratio Lower Upper
41 100
39 44.9 41.4 62.2
67 0.0 59.4 89.2#
52 0.0 23.1 34.7#

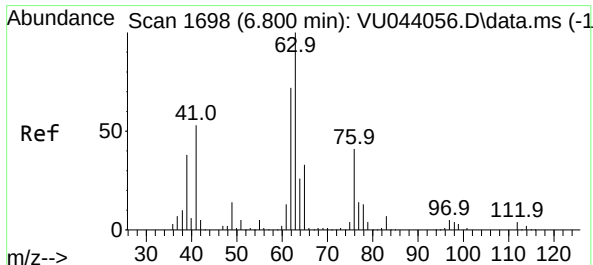
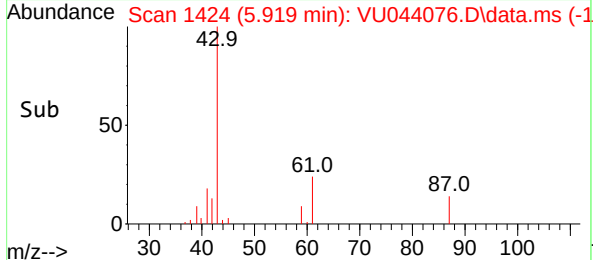
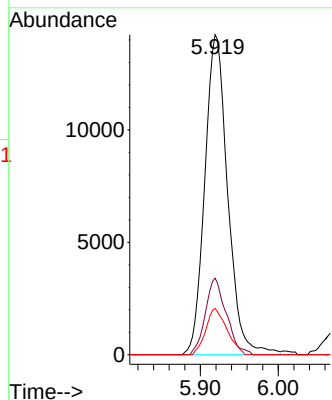
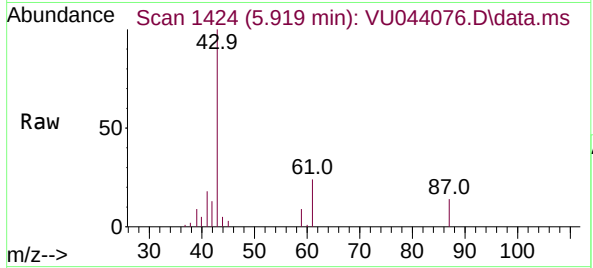




#43
Isopropyl Acetate
Concen: 3.477 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

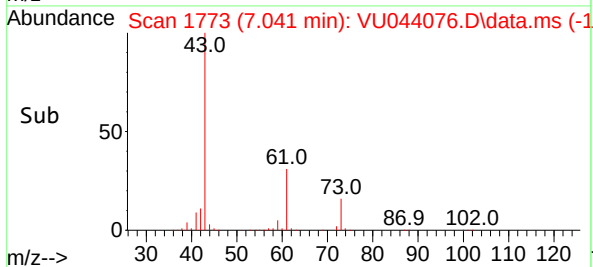
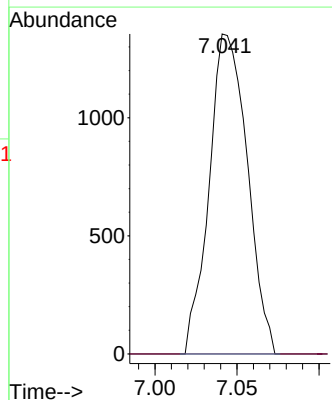
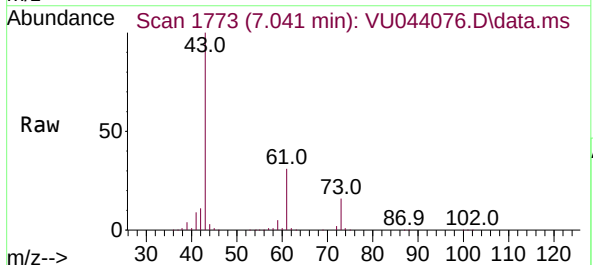
Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

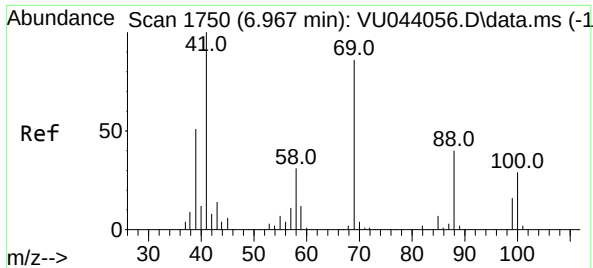
Tgt Ion: 43	Resp:	29098
Ion Ratio	Lower	Upper
43	100	
61	21.8	16.8 25.2
87	13.2	10.2 15.2



#45
1,2-Dichloropropane
Concen: 0.567 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.241 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 63	Resp:	2192
Ion Ratio	Lower	Upper
63	100	
65	0.0	26.3 39.5#

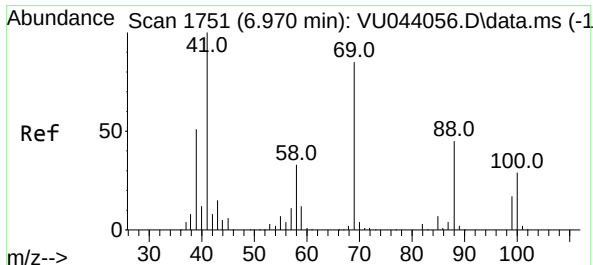
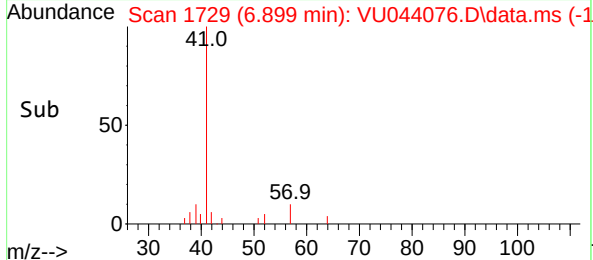
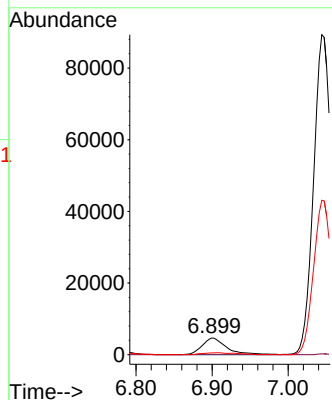
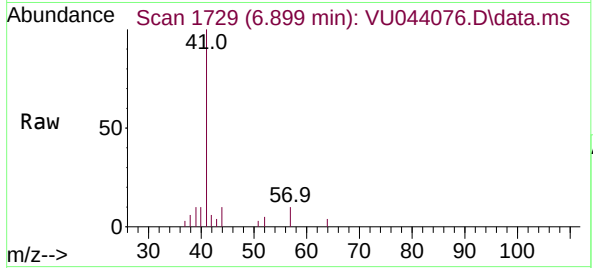




#48
Methyl methacrylate
Concen: 2.516 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.067 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

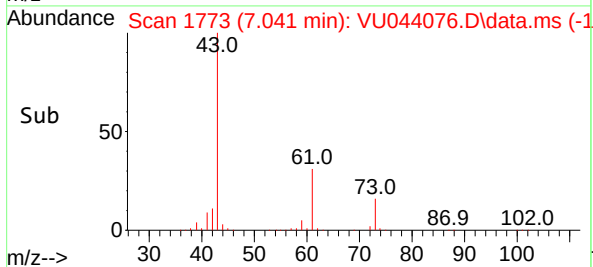
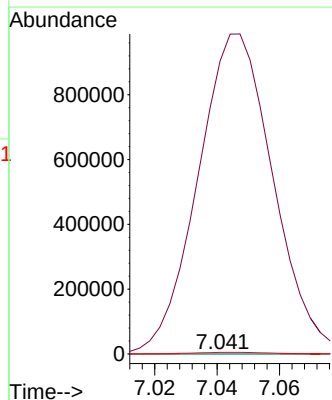
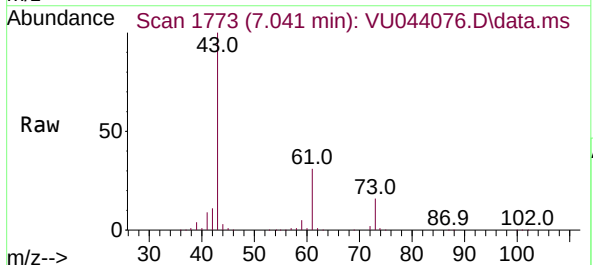
Instrument :
MSVOA_U
ClientSampled :
18-B7(2-4)

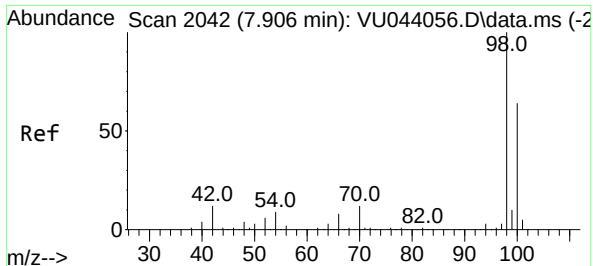
Tgt Ion: 41 Resp: 10383
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 2.227 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.071 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 744756.2 25.0 37.4#
58 3988.9 60.0 90.0#





#50

Toluene-d8

Concen: 50.062 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU044076.D

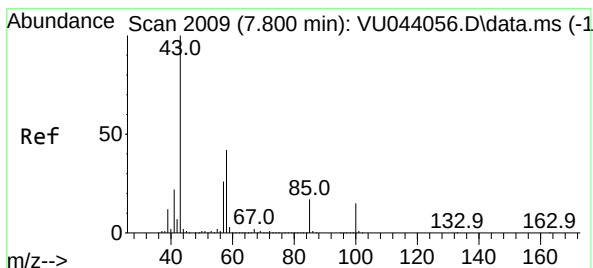
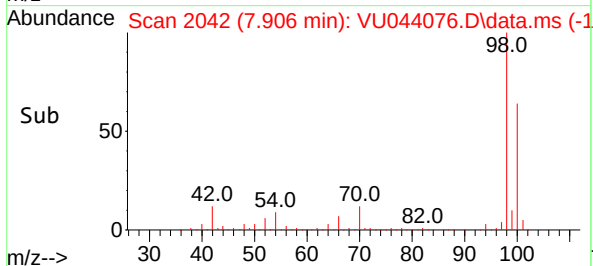
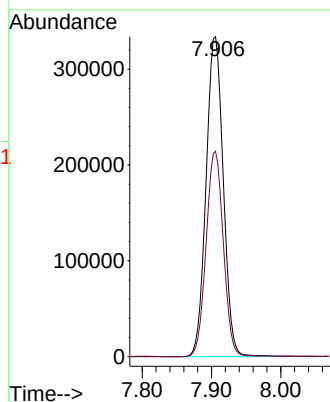
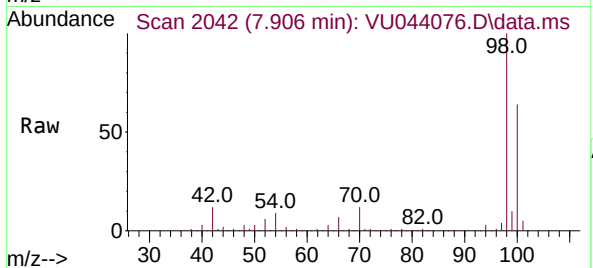
Acq: 07 Jun 2021 23:24

Tgt Ion: 98 Resp: 574666

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.401 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VU044076.D

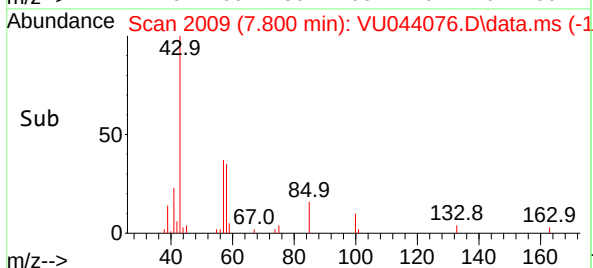
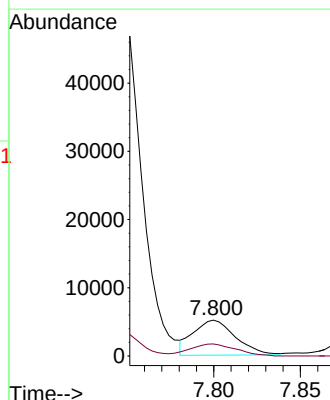
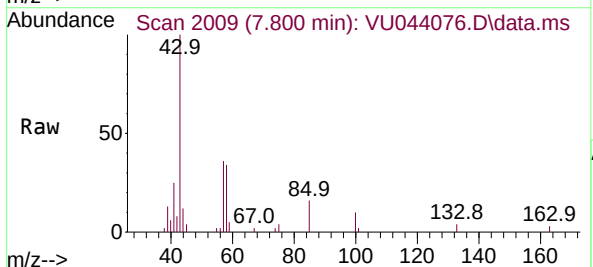
Acq: 07 Jun 2021 23:24

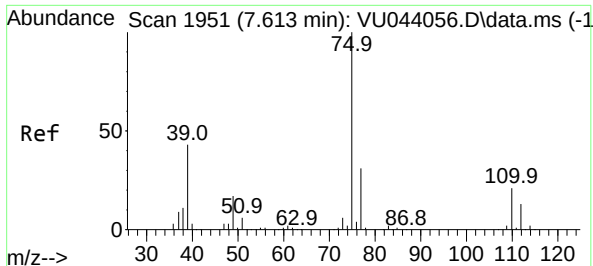
Tgt Ion: 43 Resp: 8708

Ion Ratio Lower Upper

43 100

58 37.3 33.3 49.9

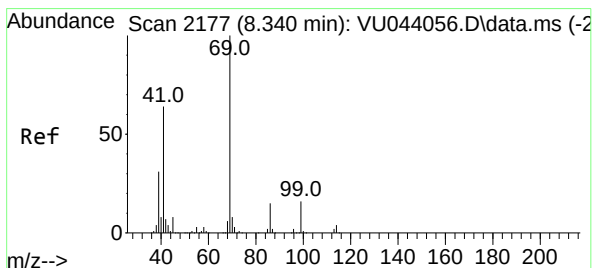
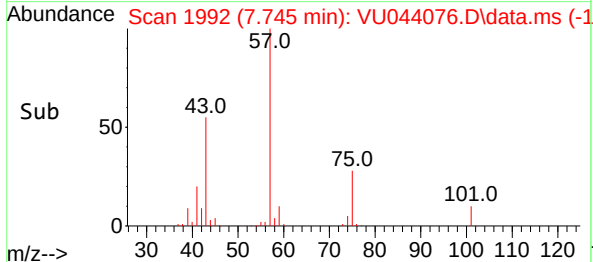
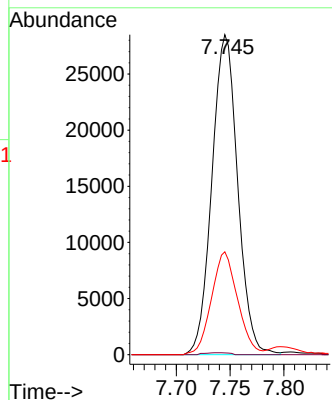
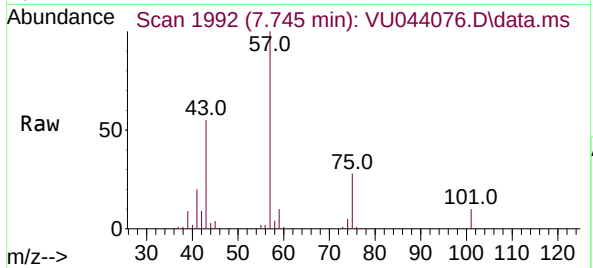




#54
 cis-1,3-Dichloropropene
 Concen: 8.260 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044076.D
 Acq: 07 Jun 2021 23:24

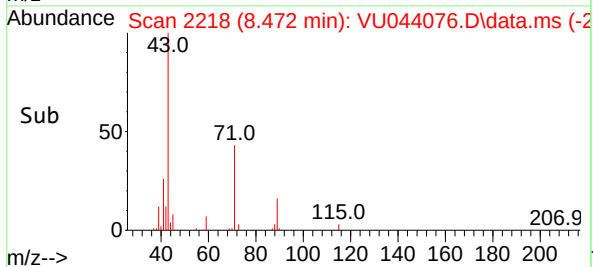
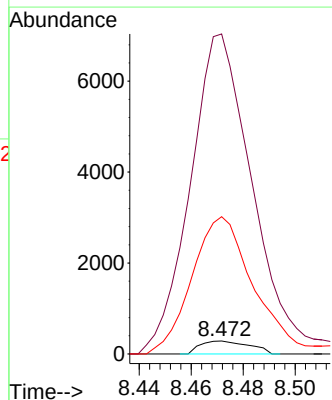
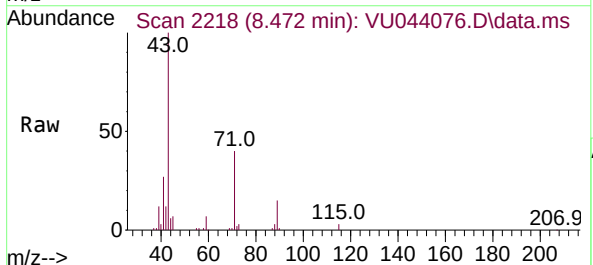
Instrument :
 MSVOA_U
 ClientSampled :
 18-B7(2-4)

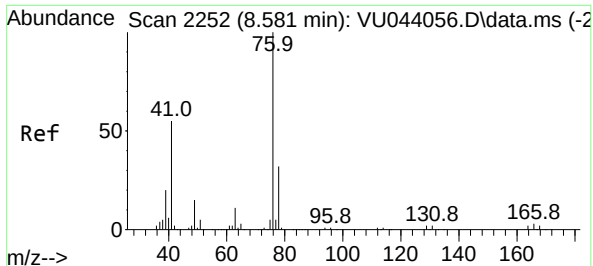
Tgt Ion: 75 Resp: 47457
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 32.2 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.442 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044076.D
 Acq: 07 Jun 2021 23:24

Tgt Ion: 69 Resp: 376
 Ion Ratio Lower Upper
 69 100
 41 3143.4 51.4 77.0#
 39 1354.3 24.9 37.3#





#57

1,3-Dichloropropane

Concen: 3.878 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU044076.D

Acq: 07 Jun 2021 23:24

Tgt Ion: 76 Resp: 24538

Ion Ratio Lower Upper

76 100

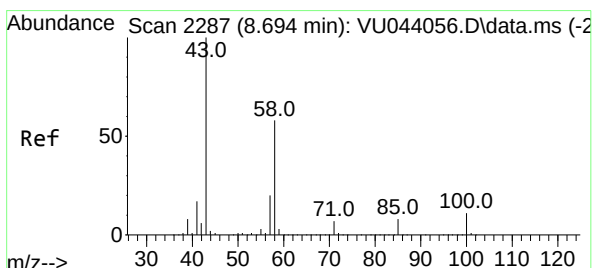
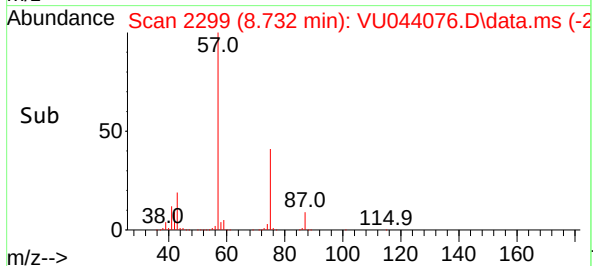
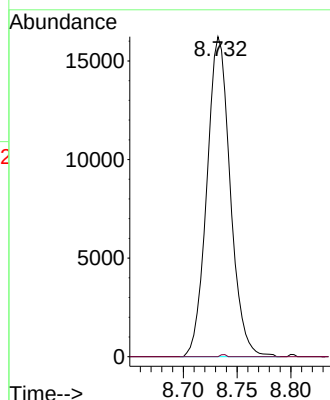
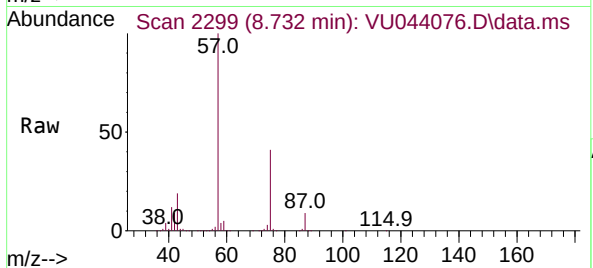
78 0.2 25.9 38.9#

Instrument :

MSVOA_U

ClientSampled :

18-B7(2-4)



#59

2-Hexanone

Concen: 71.600 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.039 min

Lab File: VU044076.D

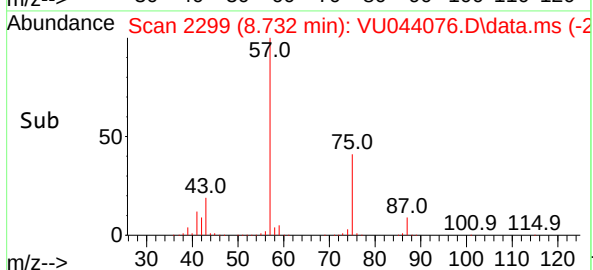
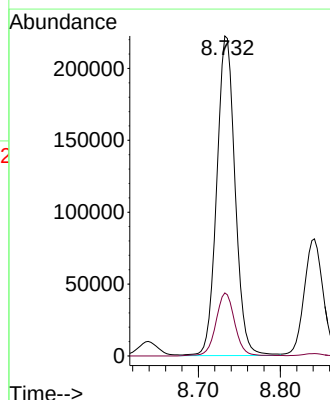
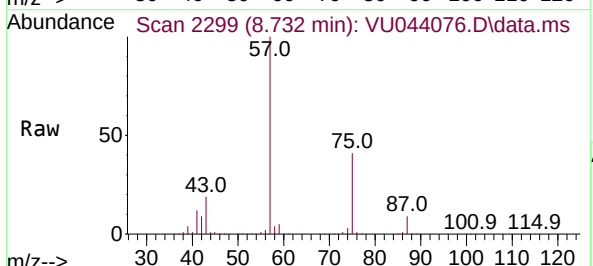
Acq: 07 Jun 2021 23:24

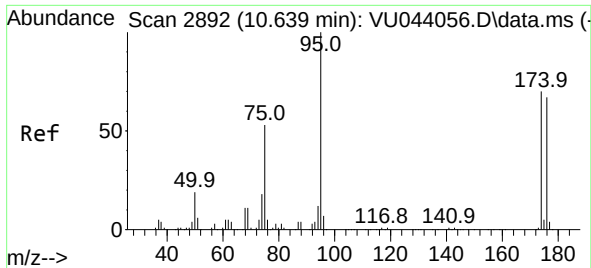
Tgt Ion: 43 Resp: 345831

Ion Ratio Lower Upper

43 100

58 20.4 29.0 87.1#

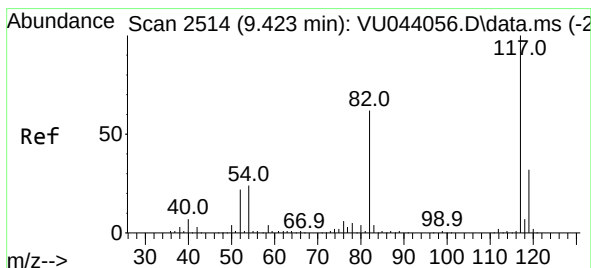
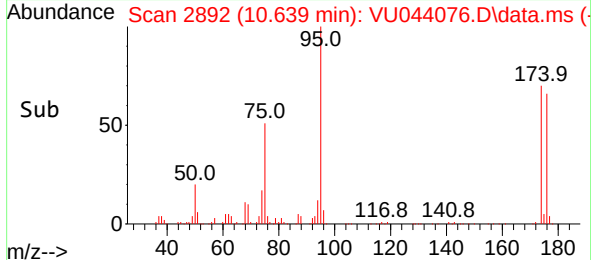
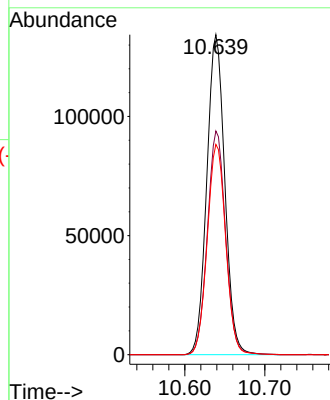
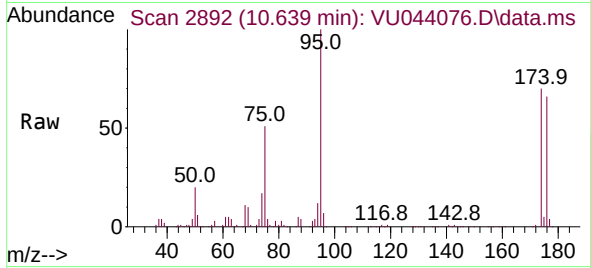




#62
4-Bromofluorobenzene
Concen: 46.292 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

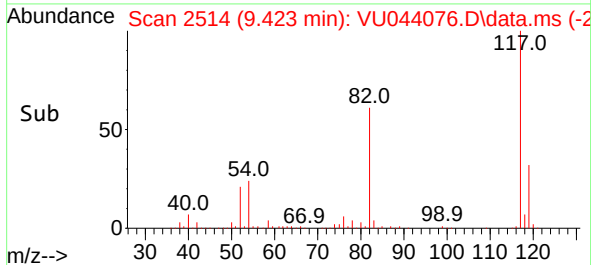
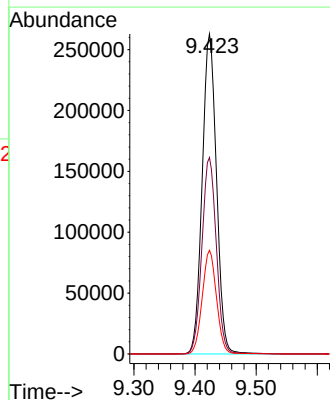
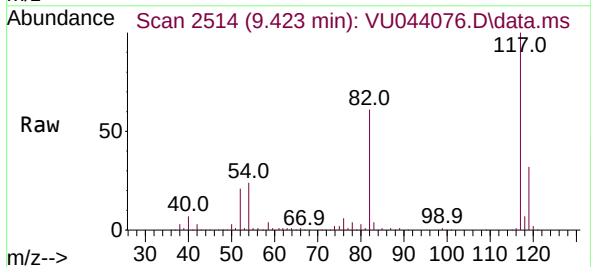
Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

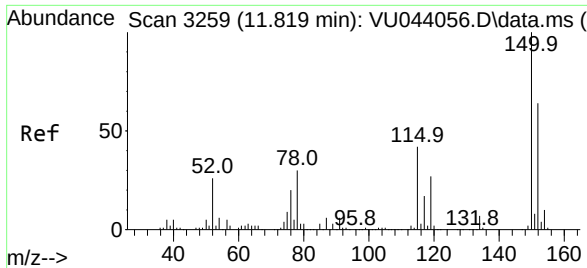
Tgt Ion: 95 Resp: 210389
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.0
176 67.3 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 117 Resp: 427139
Ion Ratio Lower Upper
117 100
82 61.4 50.0 75.0
119 32.4 25.9 38.9

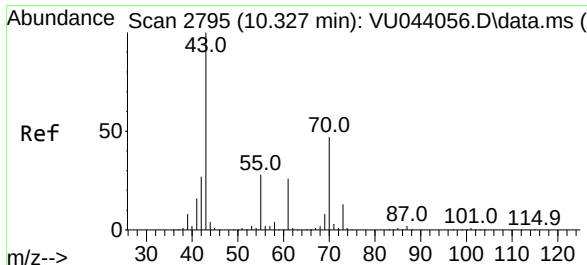
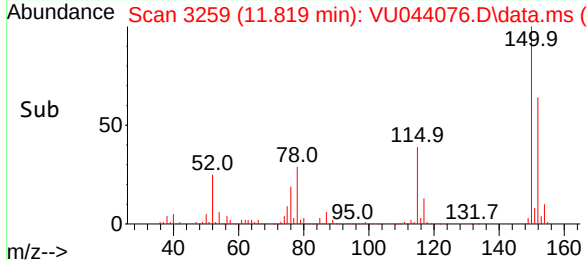
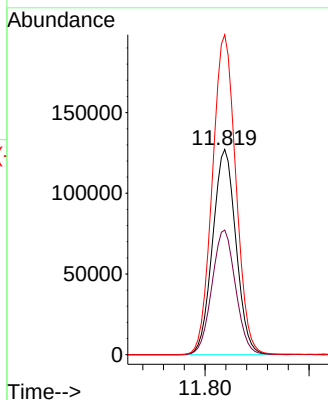
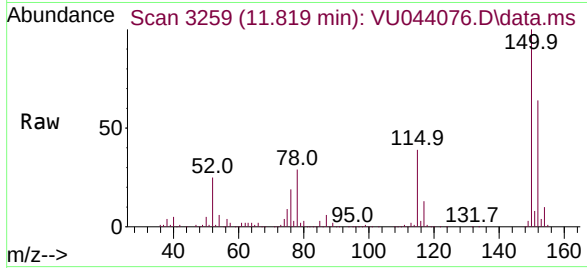




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

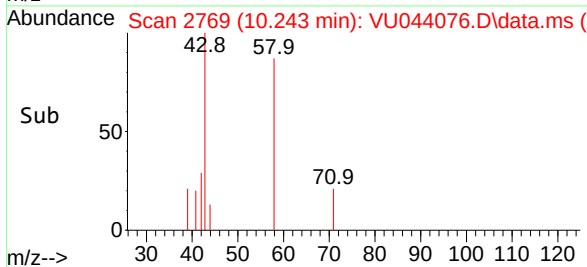
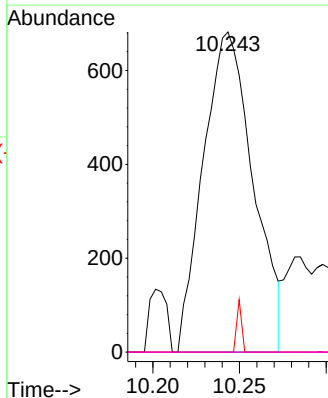
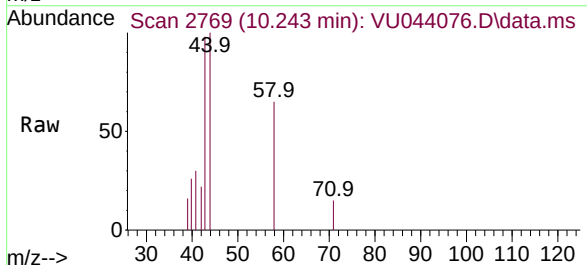
Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

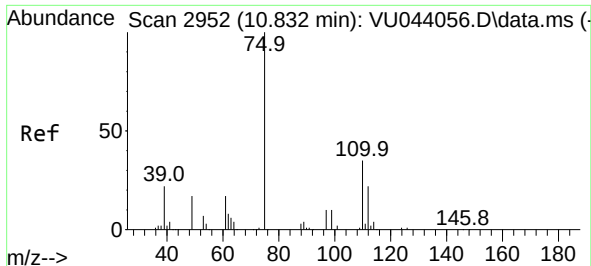
Tgt Ion:152 Resp: 198892
Ion Ratio Lower Upper
152 100
115 61.5 44.6 134.0
150 156.7 0.0 347.8



#74
N-ethyl acetate
Concen: 0.224 ug/l
RT: 10.243 min Scan# 2769
Delta R.T. -0.084 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
70 0.0 37.3 55.9#
55 1.6 23.0 34.4#
61 0.0 20.6 30.8#

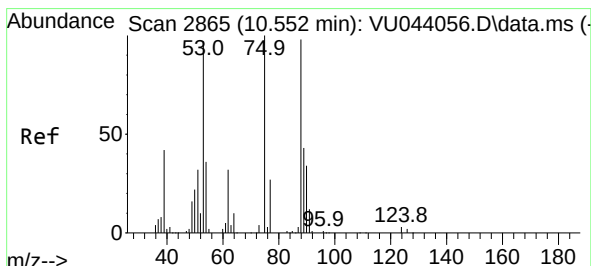
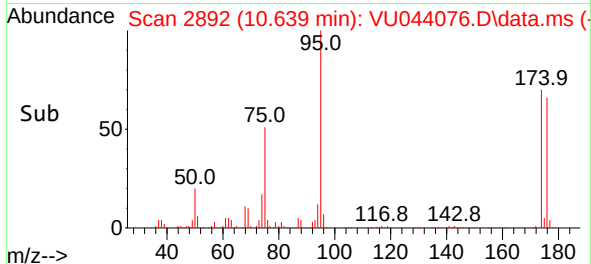
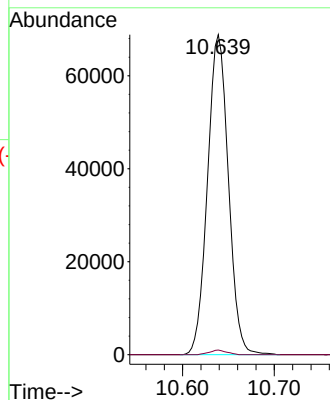
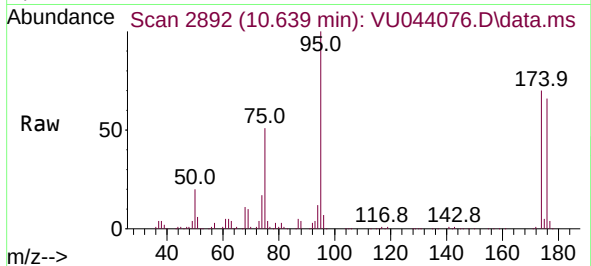




#76
1,2,3-Trichloropropane
Concen: 19.573 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

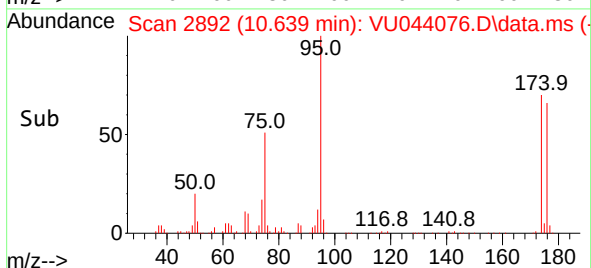
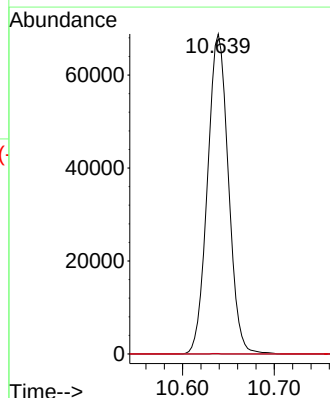
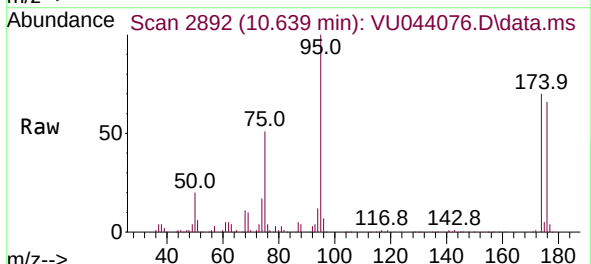
Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

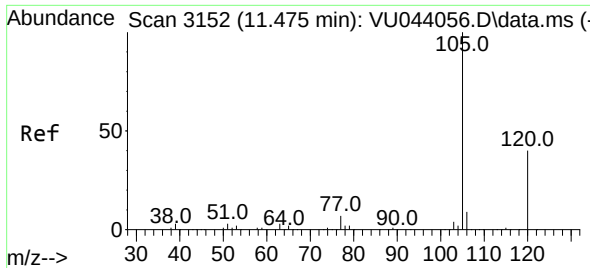
Tgt Ion: 75 Resp: 108899
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.152 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion: 75 Resp: 108899
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

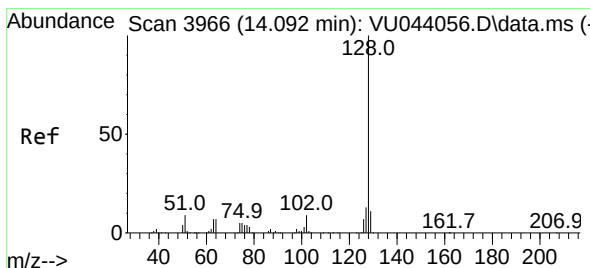
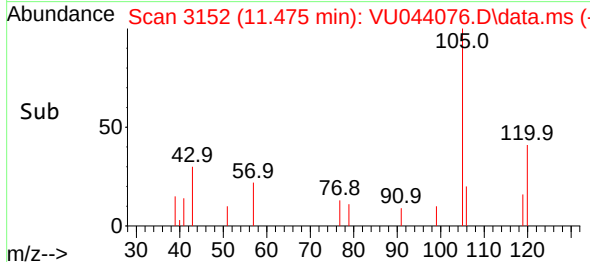
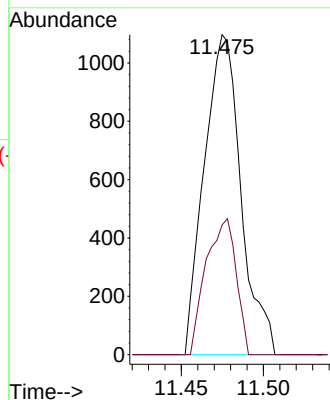
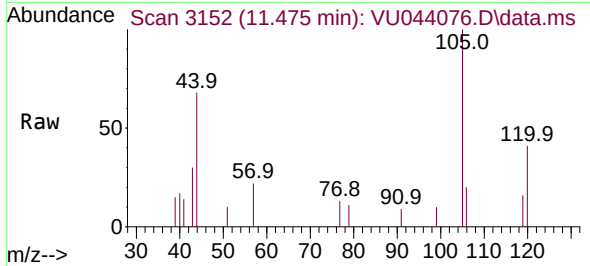




#84
1,2,4-Trimethylbenzene
Concen: 1.079 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Instrument :
MSVOA_U
ClientSampleId :
18-B7(2-4)

Tgt Ion:105 Resp: 1706
Ion Ratio Lower Upper
105 100
120 34.8 21.9 65.7



#95
Naphthalene
Concen: 4.100 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU044076.D
Acq: 07 Jun 2021 23:24

Tgt Ion:128 Resp: 18037
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.2 8.7 13.1

