

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044120.D
 Acq On : 08 Jun 2021 18:07
 Operator : SY/MD
 Sample : M25280-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:14:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 17:38:51 2021
 Response via : Initial Calibration

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

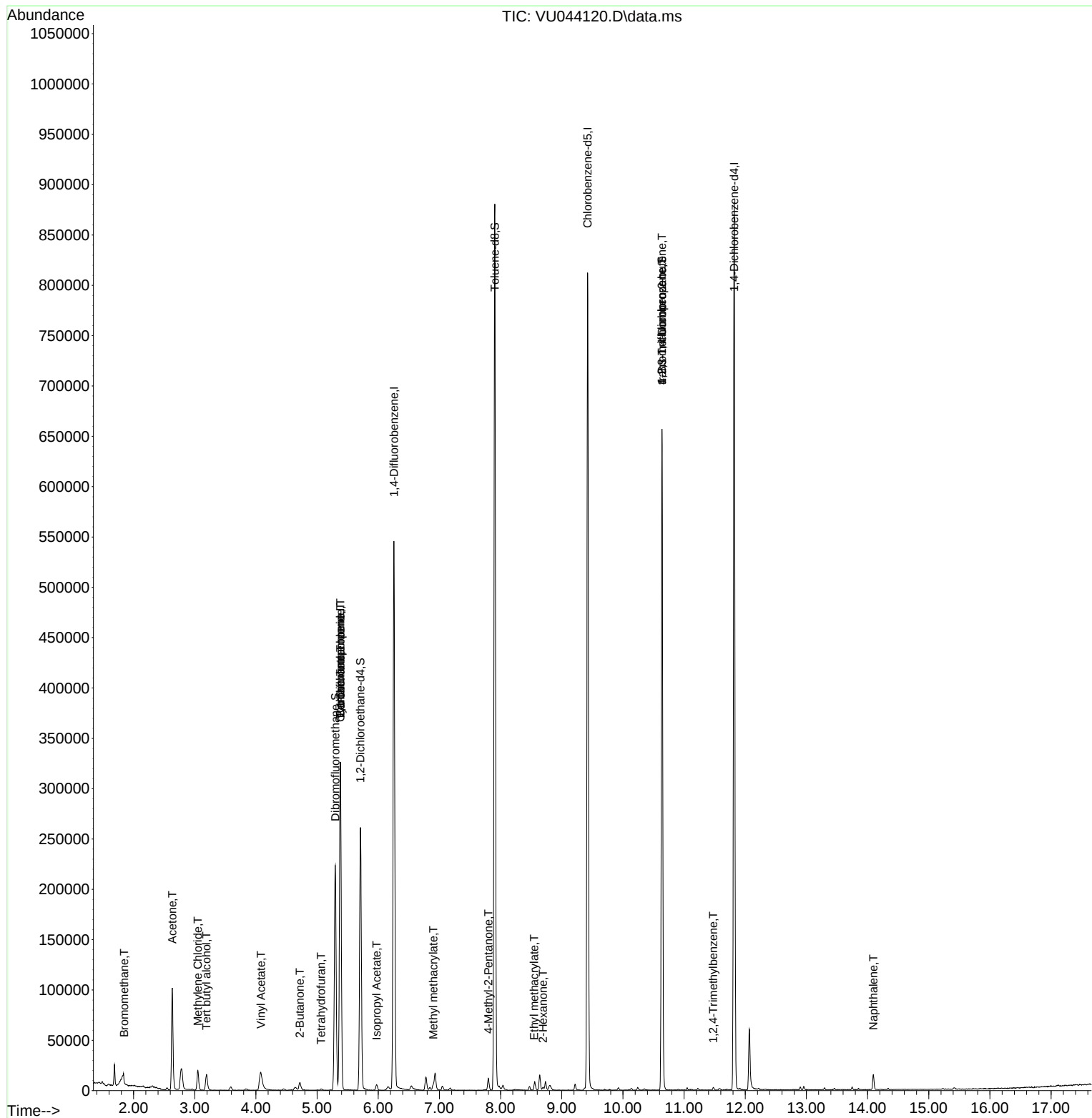
Internal Standards						
1) Pentafluorobenzene	5.382	168	213142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	420192	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	434821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	217294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	189563	51.067	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.140%	
35) Dibromofluoromethane	5.298	113	146059	48.710	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.420%	
50) Toluene-d8	7.906	98	568513	49.153	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.300%	
62) 4-Bromofluorobenzene	10.639	95	219097	47.846	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	909	Below Cal	#	87
5) Bromomethane	1.848	94	558	0.341	ug/l #	52
11) Tert butyl alcohol	3.192	59	9931	10.791	ug/l #	72
16) Acetone	2.633	43	109631	51.172	ug/l	99
20) Methylene Chloride	3.051	84	9433	1.281	ug/l	94
23) Vinyl Acetate	4.083	43	2952	0.343	ug/l #	73
25) 2-Butanone	4.719	43	11835	3.872	ug/l	100
29) Tetrahydrofuran	5.066	42	815	0.480	ug/l #	70
31) Cyclohexane	5.378	56	5084	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	18486	3.905	ug/l #	51
38) Carbon Tetrachloride	5.382	117	22981	5.373	ug/l #	17
43) Isopropyl Acetate	5.973	43	1700	0.202	ug/l #	60
48) Methyl methacrylate	6.902	41	8327	2.003	ug/l #	20
51) 4-Methyl-2-Pentanone	7.800	43	7968	1.272	ug/l	100
56) Ethyl methacrylate	8.549	69	87	3.398	ug/l #	1
59) 2-Hexanone	8.693	43	1333	0.274	ug/l #	42
76) 1,2,3-Trichloropropane	10.639	75	111761	18.386	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	111761	53.686	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	1458	1.051	ug/l #	57
95) Naphthalene	14.095	128	13028	3.675	ug/l	97

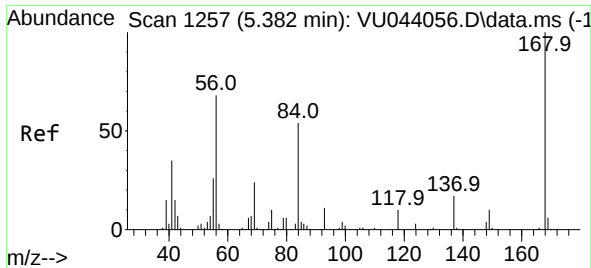
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

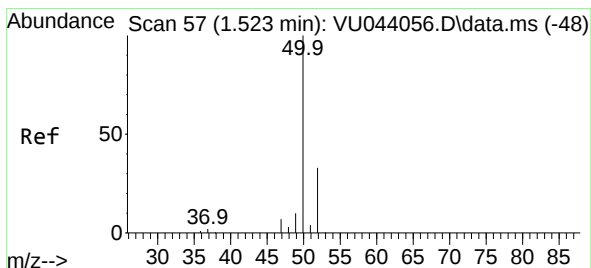
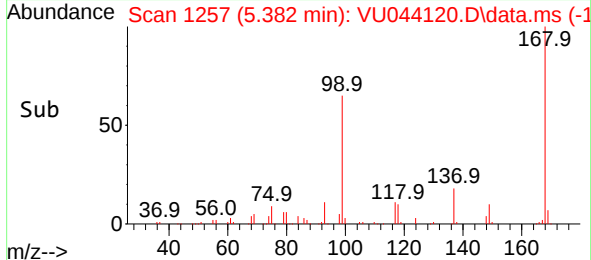
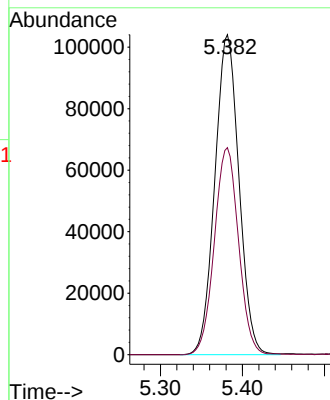
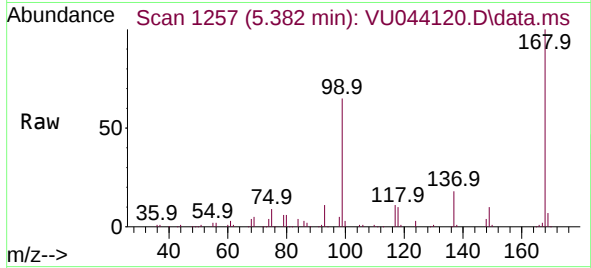




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

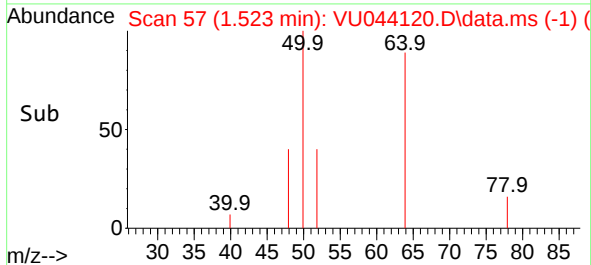
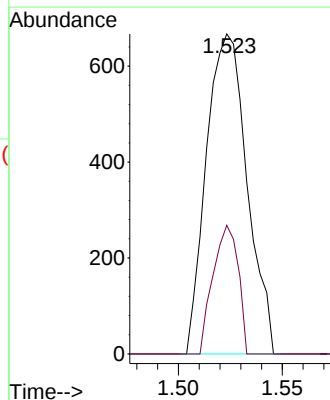
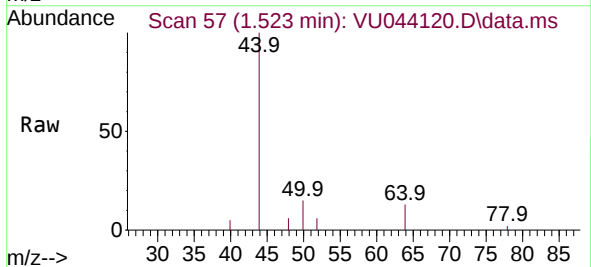
Instrument :
MSVOA_U
ClientSampled :

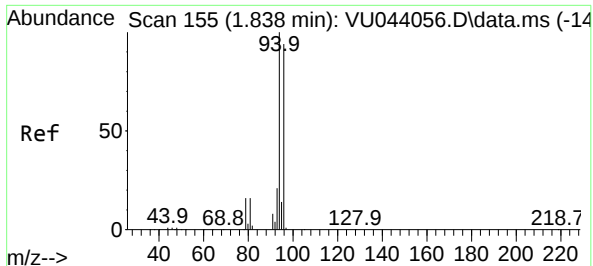
Tgt Ion:168 Resp: 213142
Ion Ratio Lower Upper
168 100
99 64.7 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 50 Resp: 909
Ion Ratio Lower Upper
50 100
52 40.2 26.2 39.2#

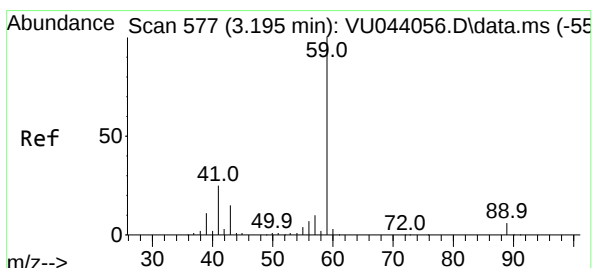
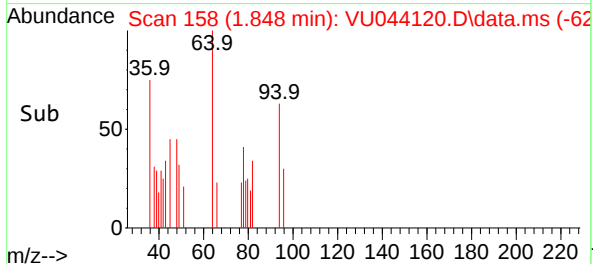
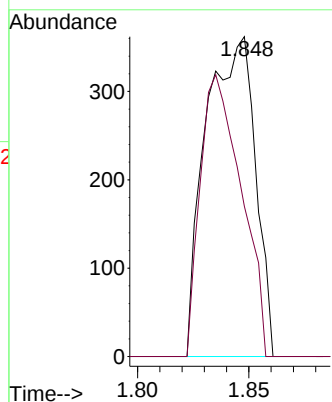
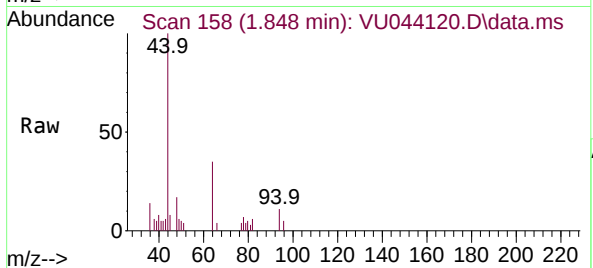




#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.010 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

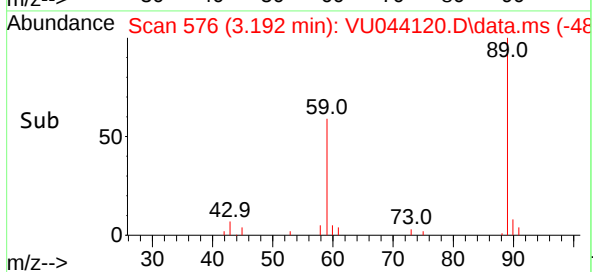
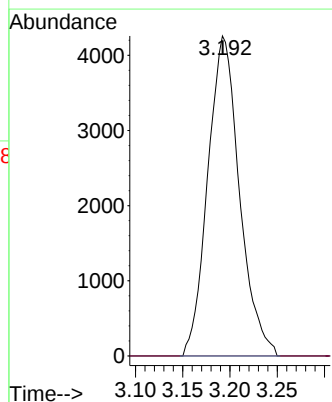
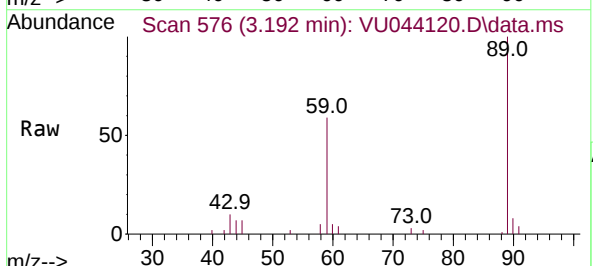
Instrument :
MSVOA_U
ClientSampled :

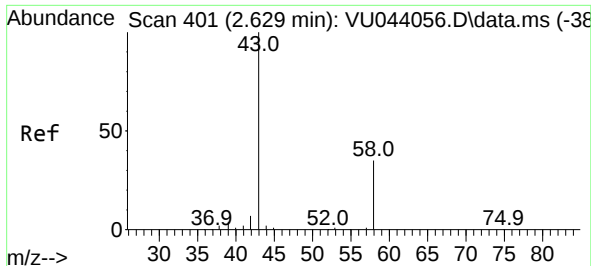
Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 47.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 10.791 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 59 Resp: 9931
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

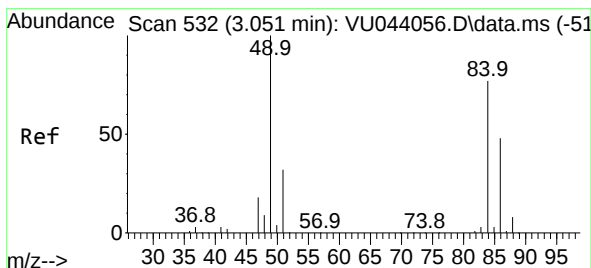
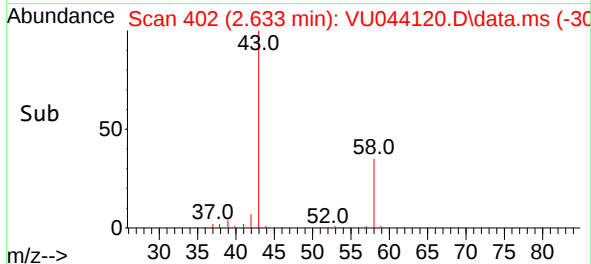
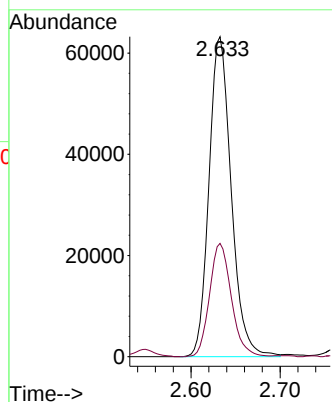
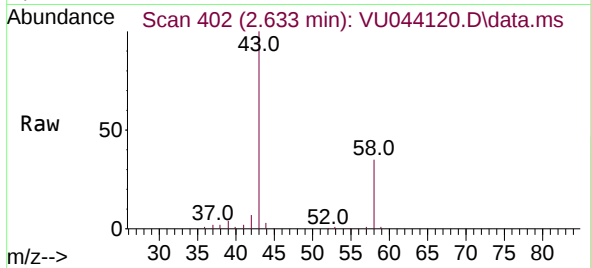




#16
Acetone
Concen: 51.172 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

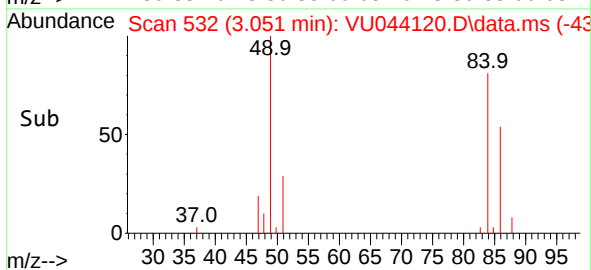
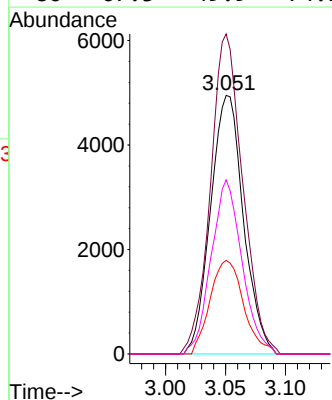
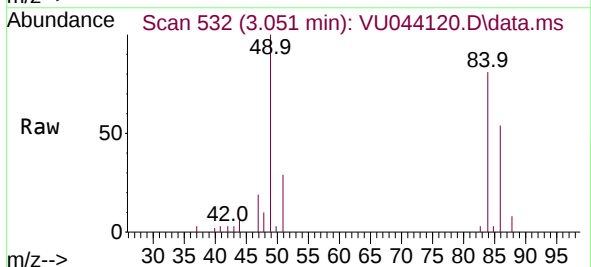
Instrument :
MSVOA_U
ClientSampled :

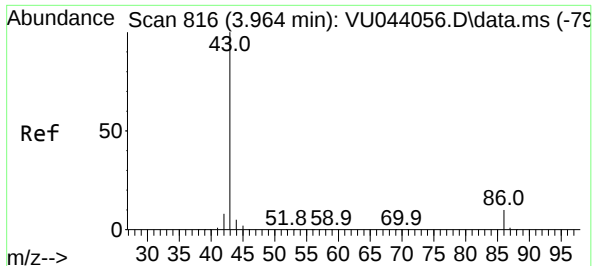
Tgt Ion: 43 Resp: 109631
Ion Ratio Lower Upper
43 100
58 35.4 27.7 41.5



#20
Methylene Chloride
Concen: 1.281 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.001 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 84 Resp: 9433
Ion Ratio Lower Upper
84 100
49 123.7 103.6 155.4
51 36.2 32.8 49.2
86 67.3 49.9 74.9

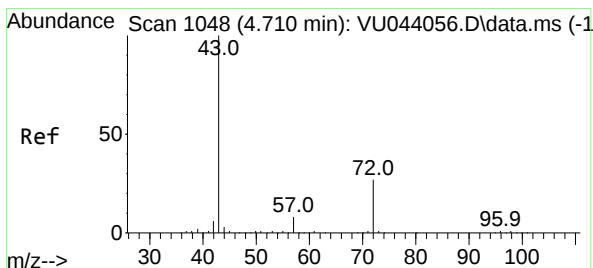
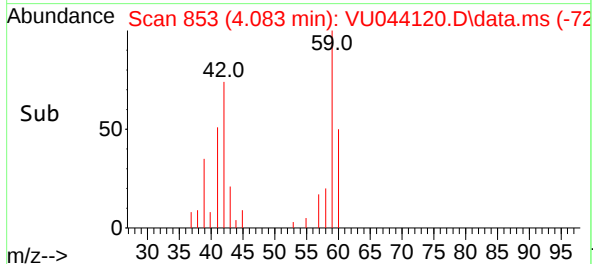
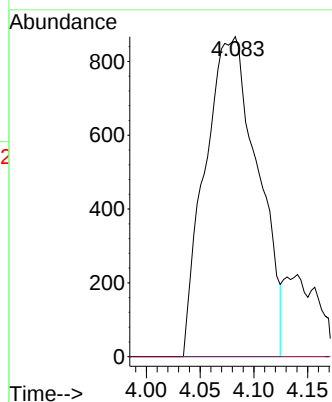
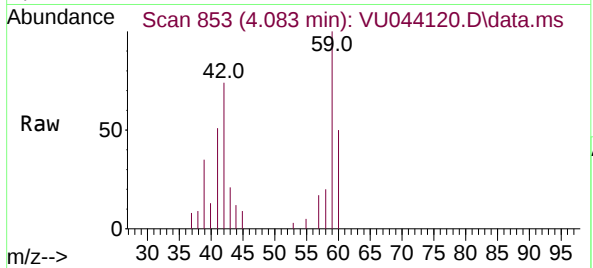




#23
 Vinyl Acetate
 Concen: 0.343 ug/l
 RT: 4.083 min Scan# 853
 Delta R.T. 0.119 min
 Lab File: VU044120.D
 Acq: 08 Jun 2021 18:07

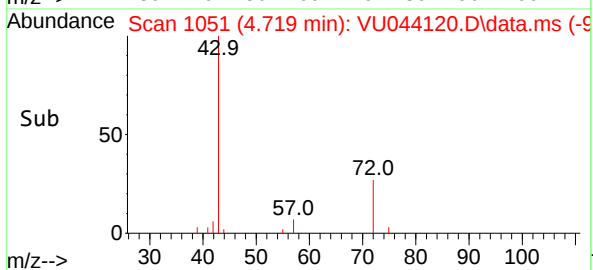
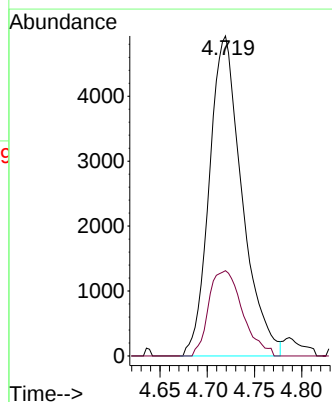
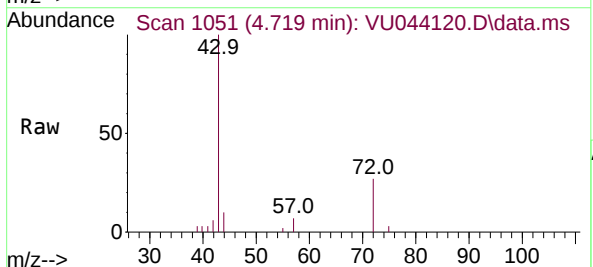
Instrument :
 MSVOA_U
 ClientSampleId :

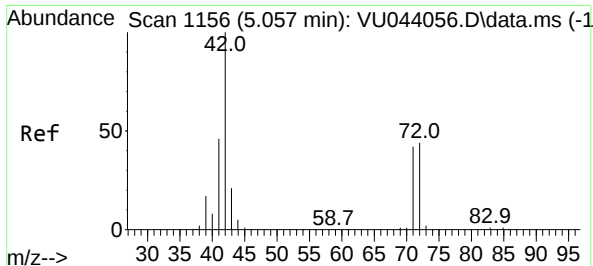
Tgt Ion: 43 Resp: 2952
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#25
 2-Butanone
 Concen: 3.872 ug/l
 RT: 4.719 min Scan# 1051
 Delta R.T. 0.009 min
 Lab File: VU044120.D
 Acq: 08 Jun 2021 18:07

Tgt Ion: 43 Resp: 11835
 Ion Ratio Lower Upper
 43 100
 72 26.6 21.4 32.2





#29

Tetrahydrofuran

Concen: 0.480 ug/l

RT: 5.066 min Scan# 1159

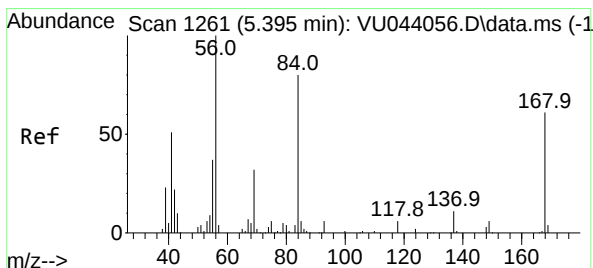
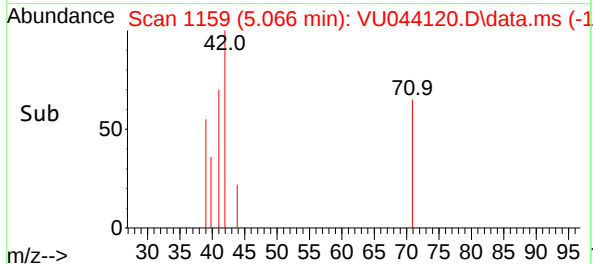
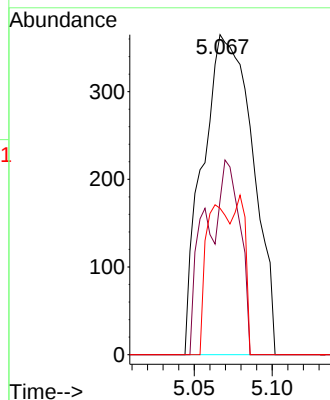
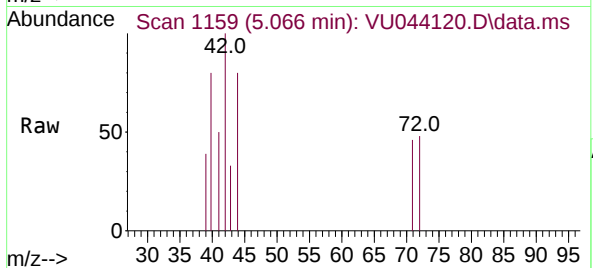
Delta R.T. 0.009 min

Lab File: VU044120.D

Acq: 08 Jun 2021 18:07

Tgt Ion:	42	Resp:	815
Ion	Ratio	Lower	Upper
42	100		
72	25.0	35.6	53.4#
71	22.2	33.3	49.9#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 0.992 ug/l

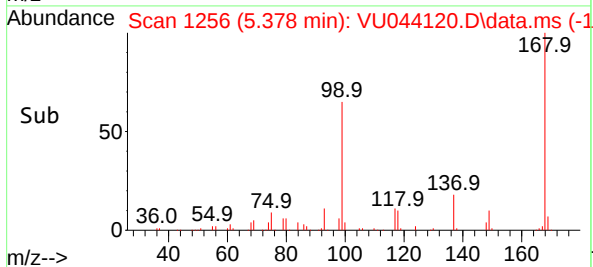
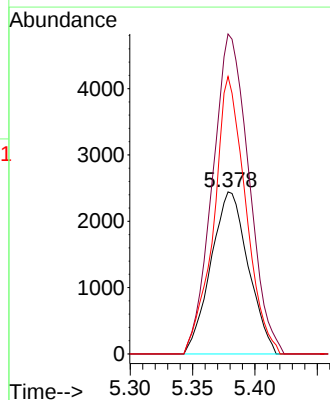
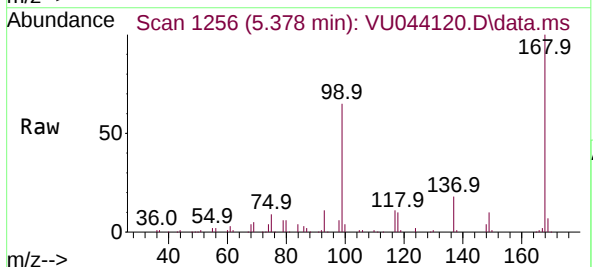
RT: 5.378 min Scan# 1256

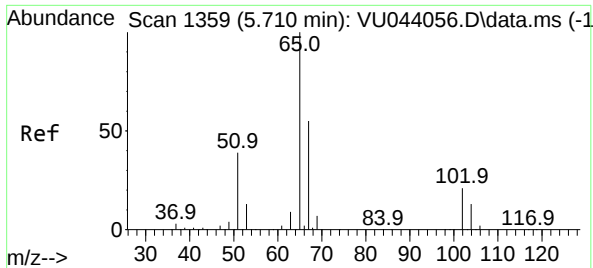
Delta R.T. -0.017 min

Lab File: VU044120.D

Acq: 08 Jun 2021 18:07

Tgt Ion:	56	Resp:	5084
Ion	Ratio	Lower	Upper
56	100		
69	197.5	25.4	38.2#
84	171.2	64.2	96.2#



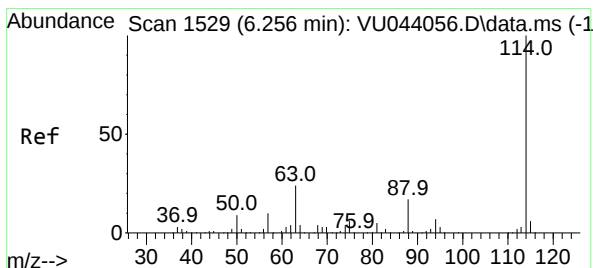
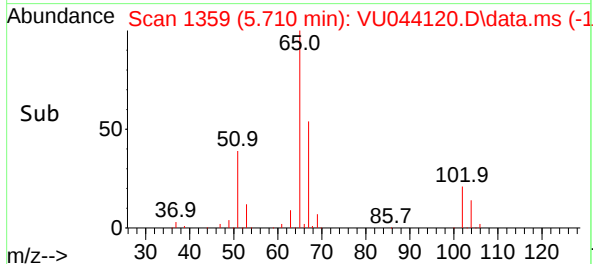
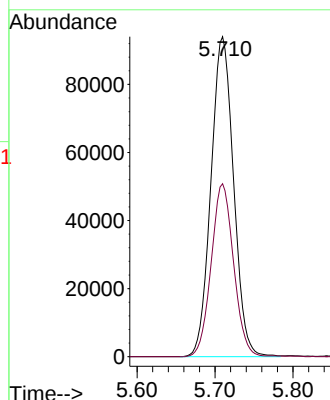
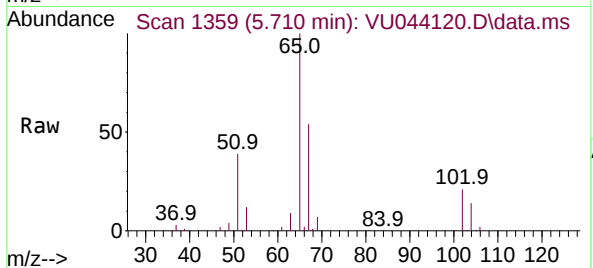


#33

1,2-Dichloroethane-d4
Concen: 51.067 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Instrument :
MSVOA_U
ClientSampled :

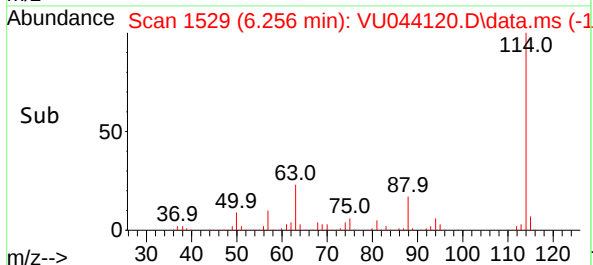
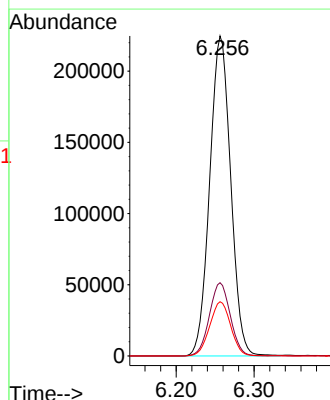
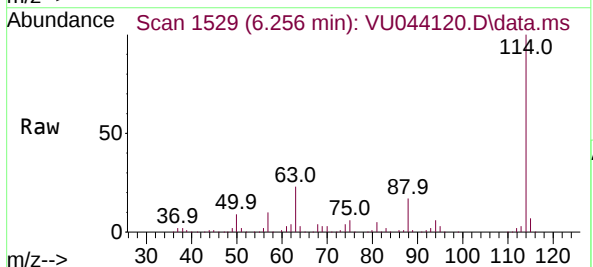
Tgt Ion: 65 Resp: 189563
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.2

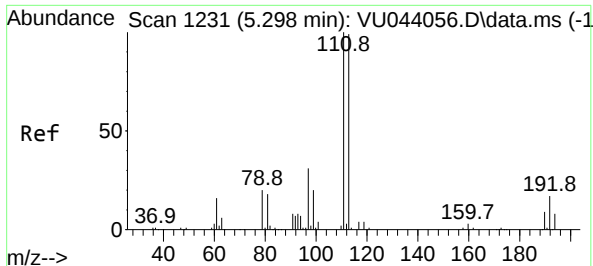


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 114 Resp: 420192
Ion Ratio Lower Upper
114 100
63 22.9 0.0 48.4
88 16.9 0.0 34.4

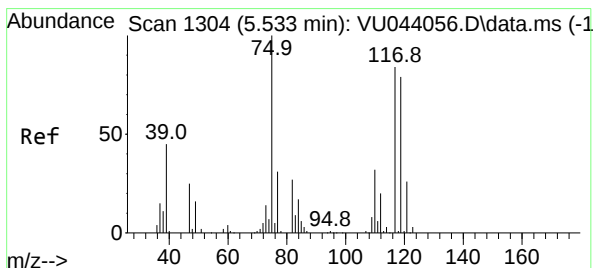
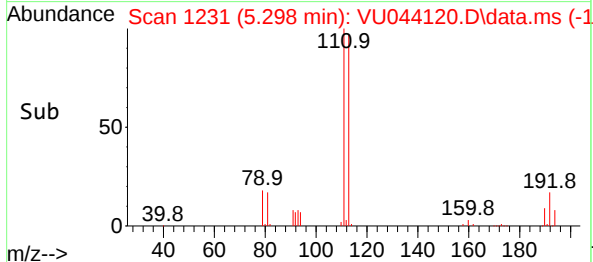
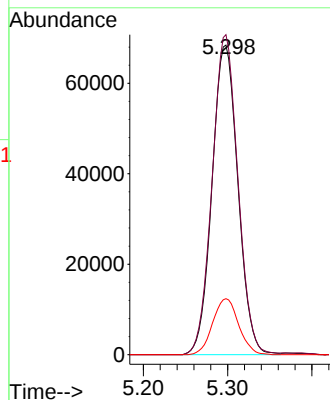
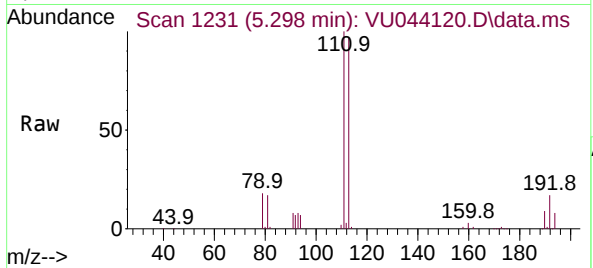




#35
Dibromofluoromethane
Concen: 48.710 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

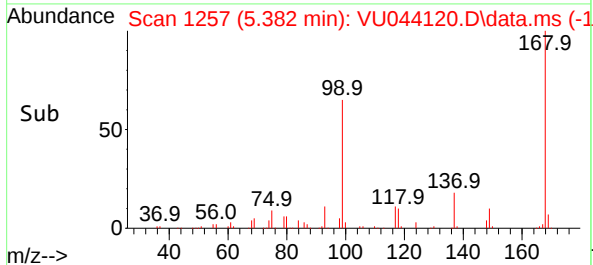
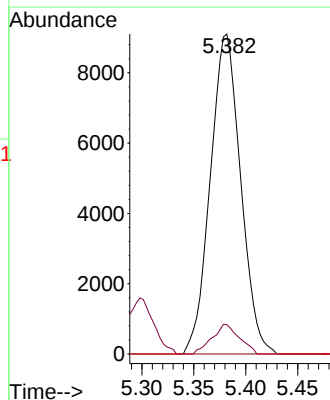
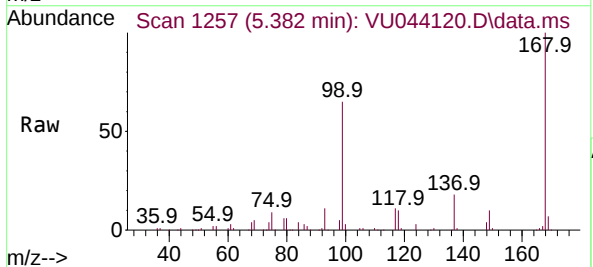
Instrument :
MSVOA_U
ClientSampleId :

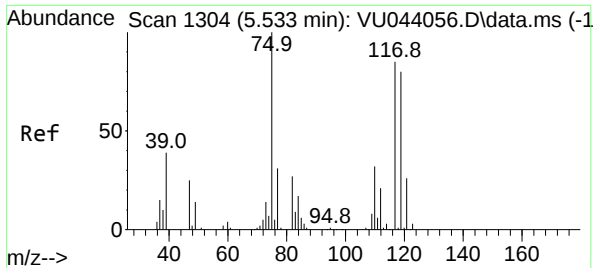
Tgt Ion:113 Resp: 146059
Ion Ratio Lower Upper
113 100
111 103.0 82.1 123.1
192 18.1 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.905 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

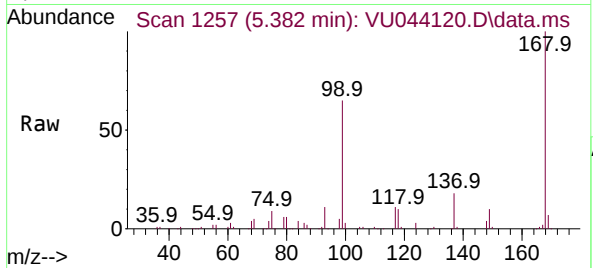
Tgt Ion: 75 Resp: 18486
Ion Ratio Lower Upper
75 100
110 8.3 15.9 47.7#
77 0.0 25.0 37.4#



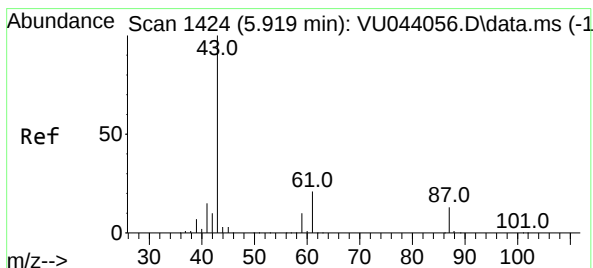
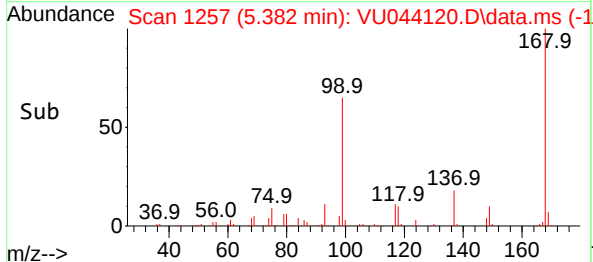
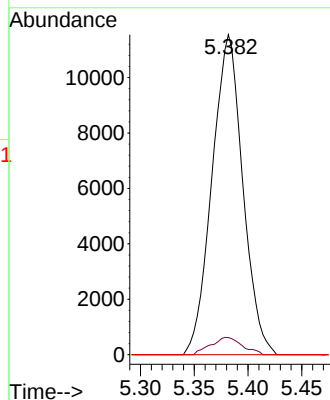


#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Instrument :
MSVOA_U
ClientSampled :

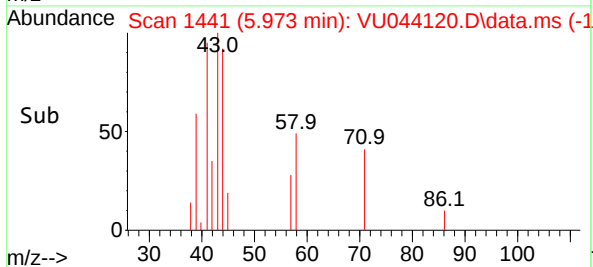
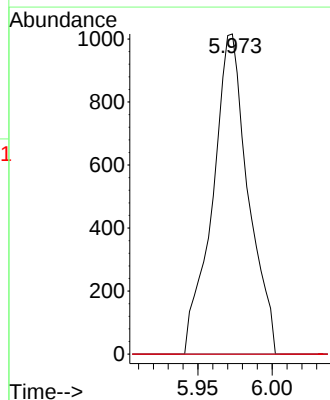
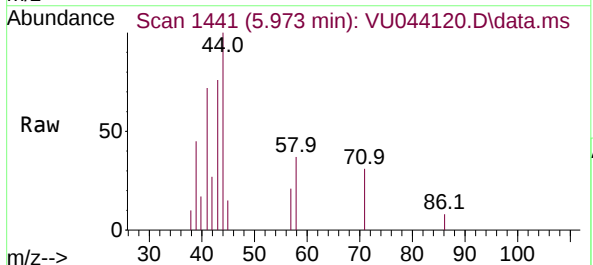


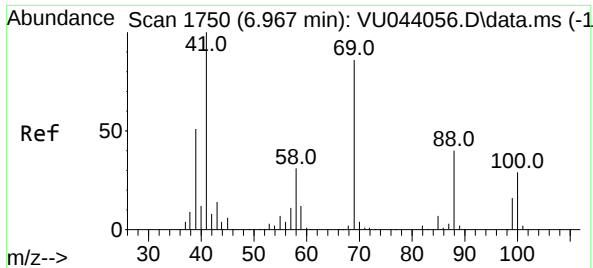
Tgt Ion:117 Resp: 22981
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 5.973 min Scan# 1441
Delta R.T. 0.054 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
61 0.0 16.8 25.2#
87 0.0 10.2 15.2#

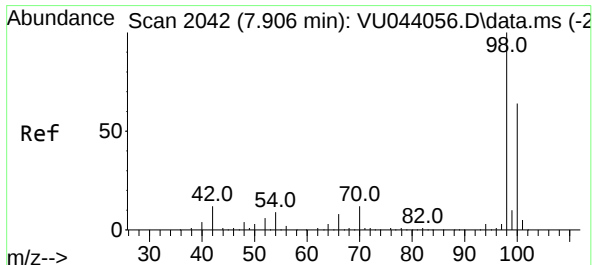
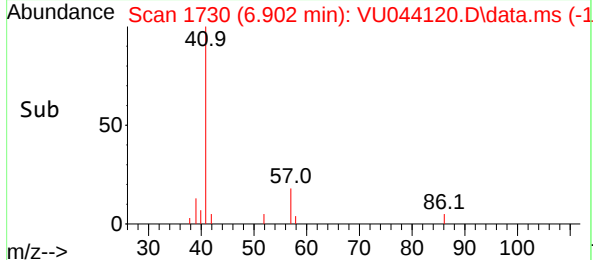
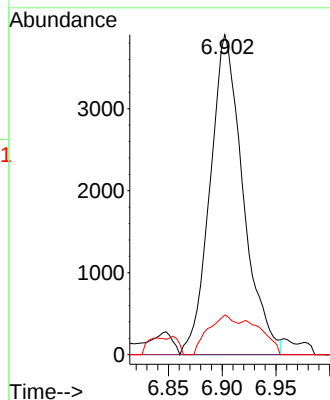
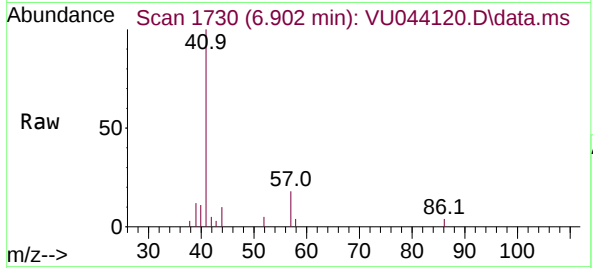




#48
Methyl methacrylate
Concen: 2.003 ug/l
RT: 6.902 min Scan# 1730
Delta R.T. -0.065 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

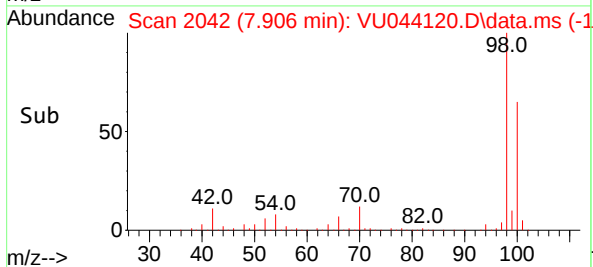
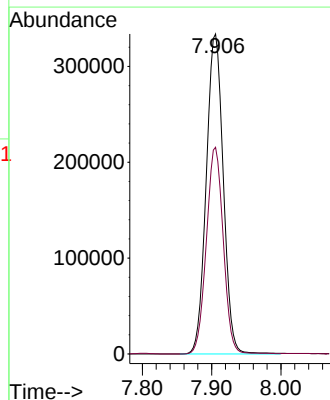
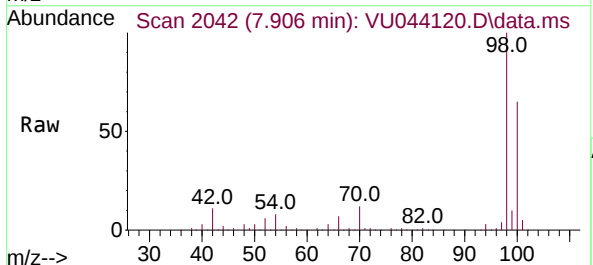
Instrument :
MSVOA_U
ClientSampleId :

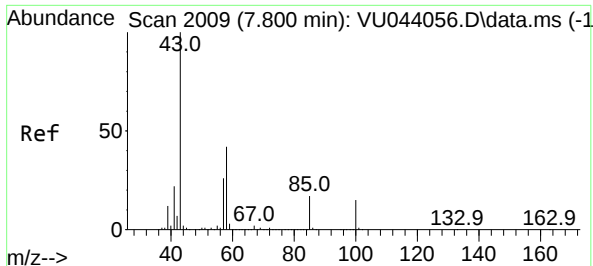
Tgt Ion: 41 Resp: 8327
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 10.6 40.6 60.8#



#50
Toluene-d8
Concen: 49.153 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 98 Resp: 568513
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

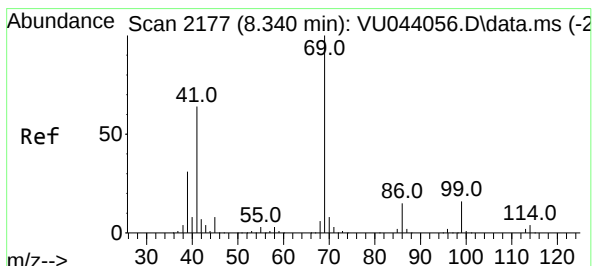
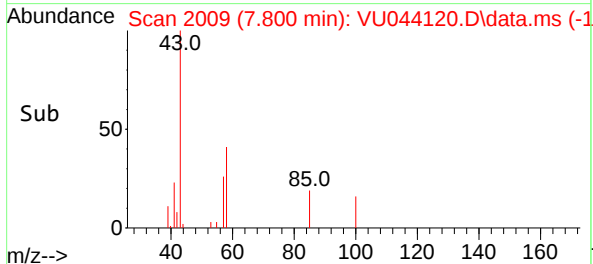
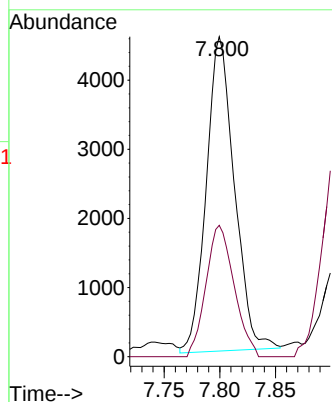
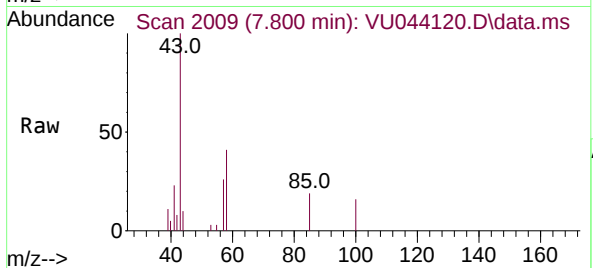




#51
4-Methyl-2-Pentanone
Concen: 1.272 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

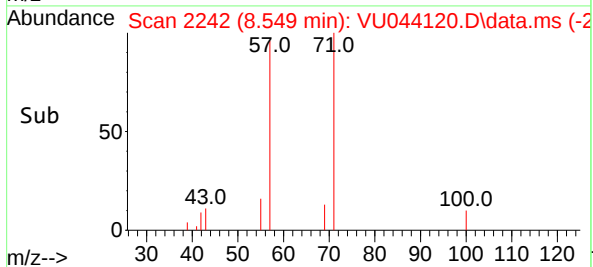
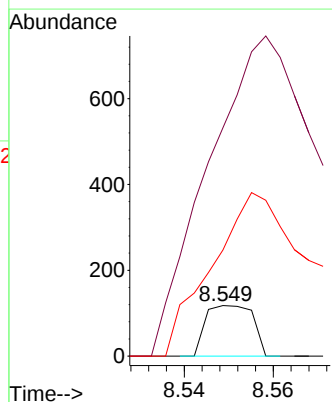
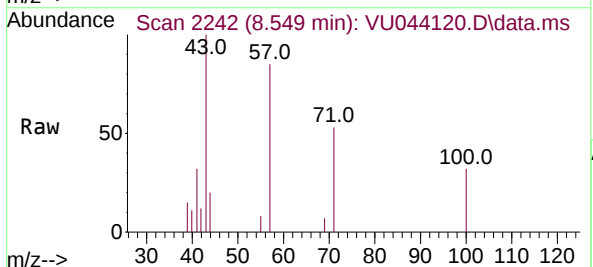
Instrument :
MSVOA_U
ClientSampled :

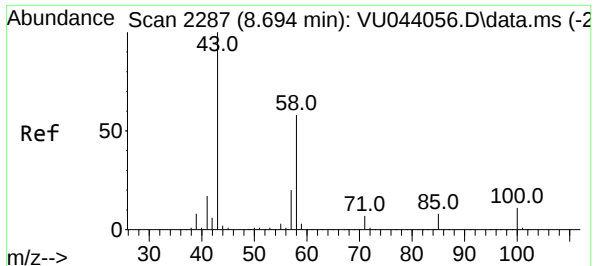
Tgt Ion: 43 Resp: 7968
Ion Ratio Lower Upper
43 100
58 41.8 33.3 49.9



#56
Ethyl methacrylate
Concen: 3.398 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. 0.209 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 69 Resp: 87
Ion Ratio Lower Upper
69 100
41 1692.0 51.4 77.0#
39 700.0 24.9 37.3#





#59

2-Hexanone

Concen: 0.274 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. -0.001 min

Lab File: VU044120.D

Acq: 08 Jun 2021 18:07

Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

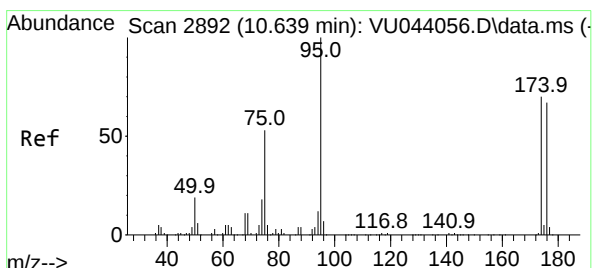
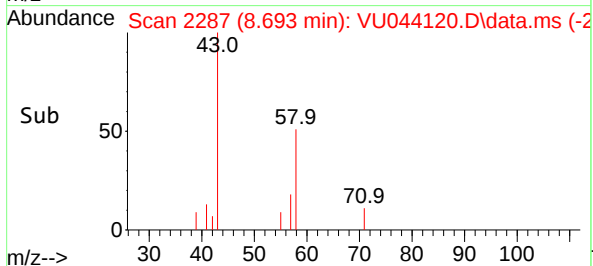
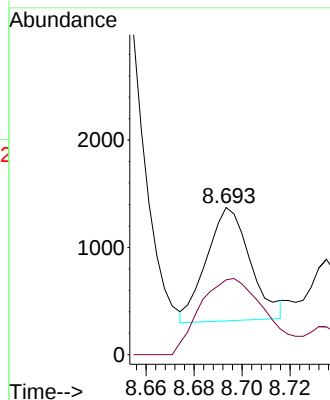
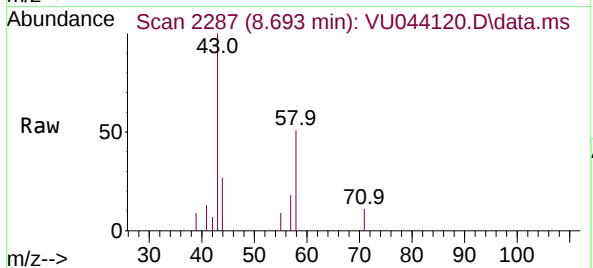
43 100

58 100.9 29.0 87.1#

Instrument :

MSVOA_U

ClientSampled :



#62

4-Bromofluorobenzene

Concen: 47.846 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. -0.000 min

Lab File: VU044120.D

Acq: 08 Jun 2021 18:07

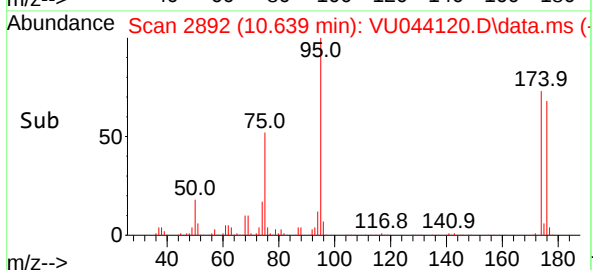
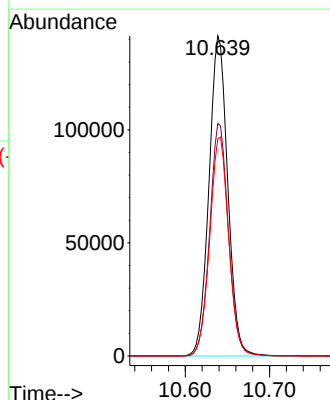
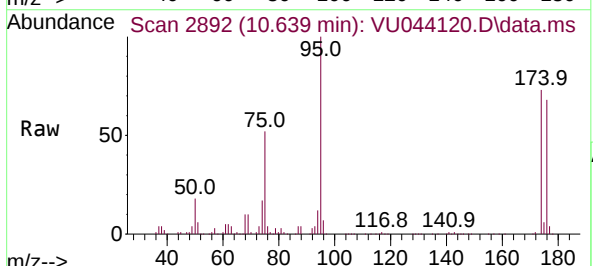
Tgt Ion: 95 Resp: 219097

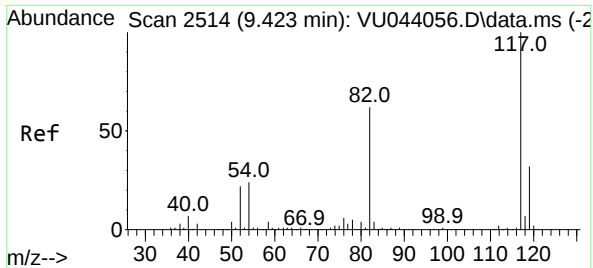
Ion Ratio Lower Upper

95 100

174 72.6 0.0 141.0

176 69.1 0.0 135.2

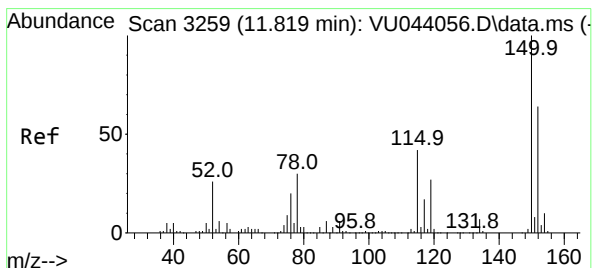
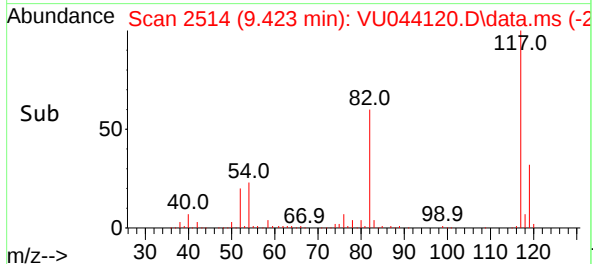
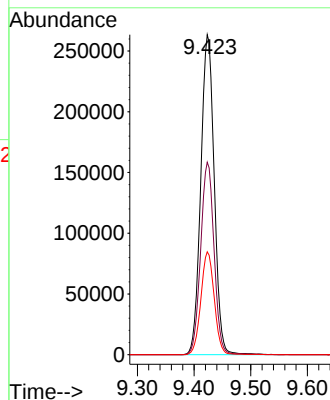
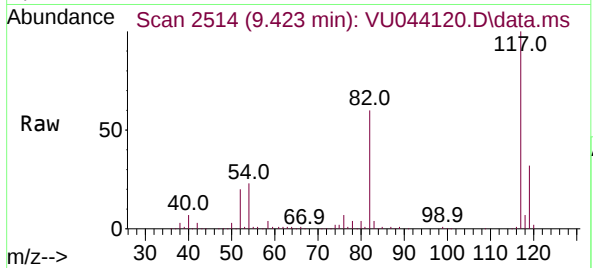




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

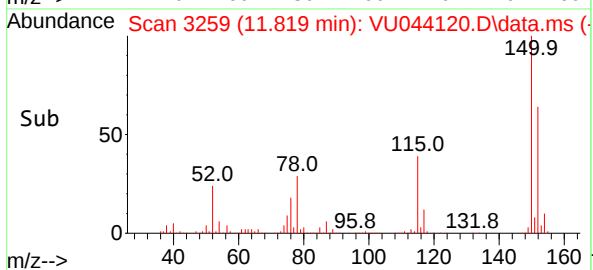
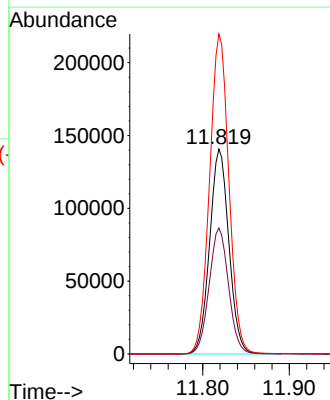
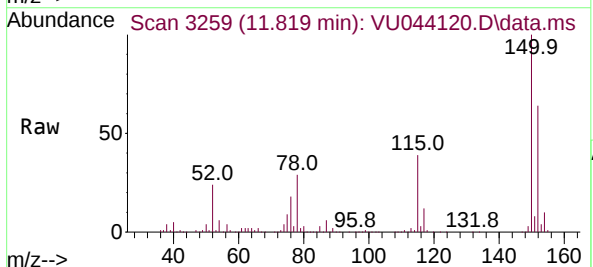
Instrument :
MSVOA_U
ClientSampled :

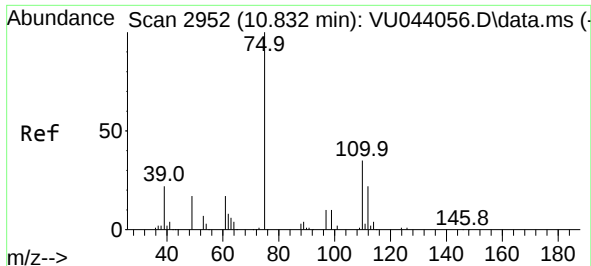
Tgt Ion:117 Resp: 434821
Ion Ratio Lower Upper
117 100
82 60.1 50.0 75.0
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion:152 Resp: 217294
Ion Ratio Lower Upper
152 100
115 61.9 44.6 134.0
150 156.7 0.0 347.8

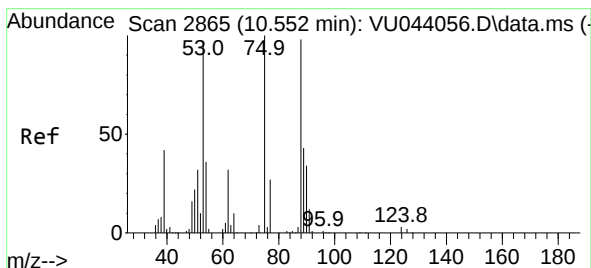
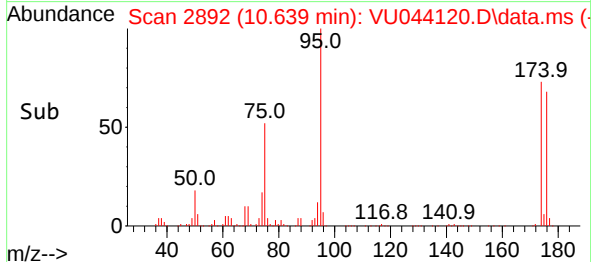
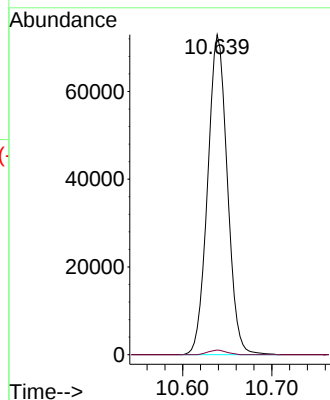
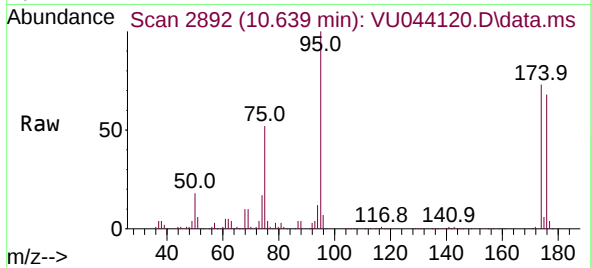




#76
1,2,3-Trichloropropane
Concen: 18.386 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

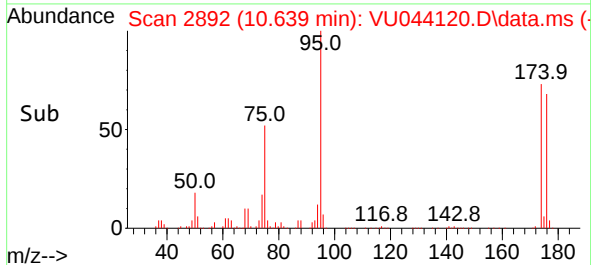
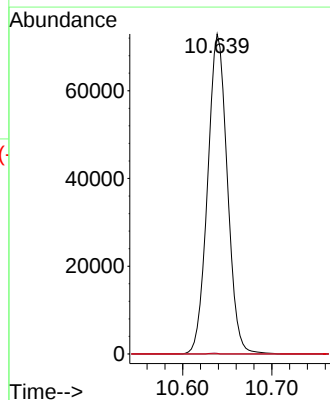
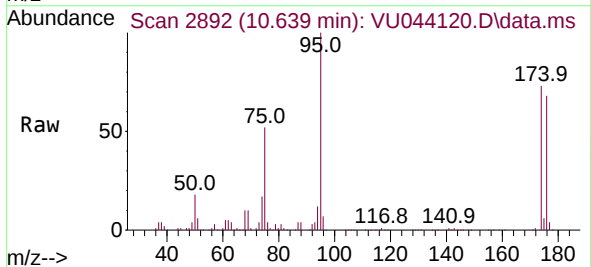
Instrument :
MSVOA_U
ClientSampled :

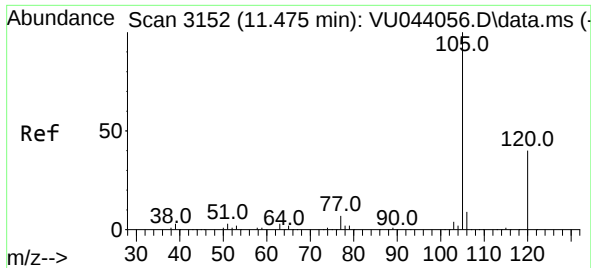
Tgt Ion: 75 Resp: 111761
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.686 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion: 75 Resp: 111761
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

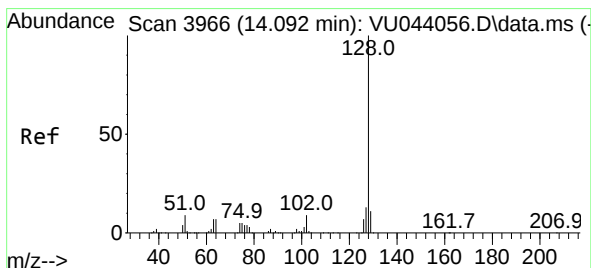
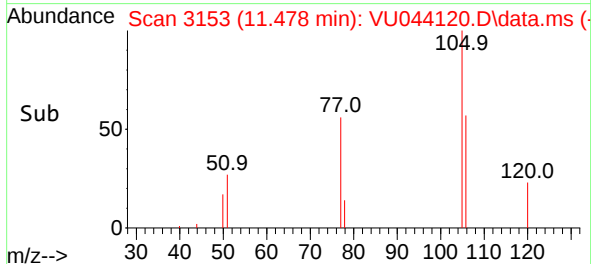
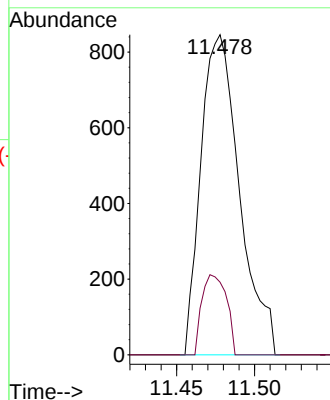
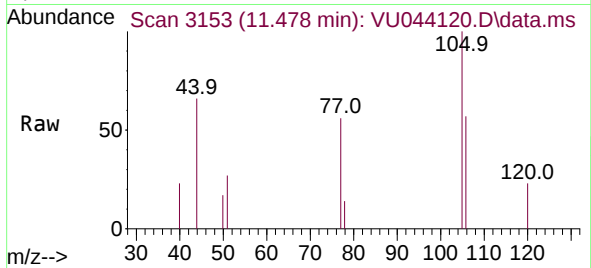




#84
1,2,4-Trimethylbenzene
Concen: 1.051 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 1458
Ion Ratio Lower Upper
105 100
120 15.8 21.9 65.7#



#95
Naphthalene
Concen: 3.675 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044120.D
Acq: 08 Jun 2021 18:07

Tgt Ion:128 Resp: 13028
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 9.7 8.7 13.1

