

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044110.D
 Acq On : 08 Jun 2021 13:05
 Operator : SY/MD
 Sample : M2612-33
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:12:55 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)

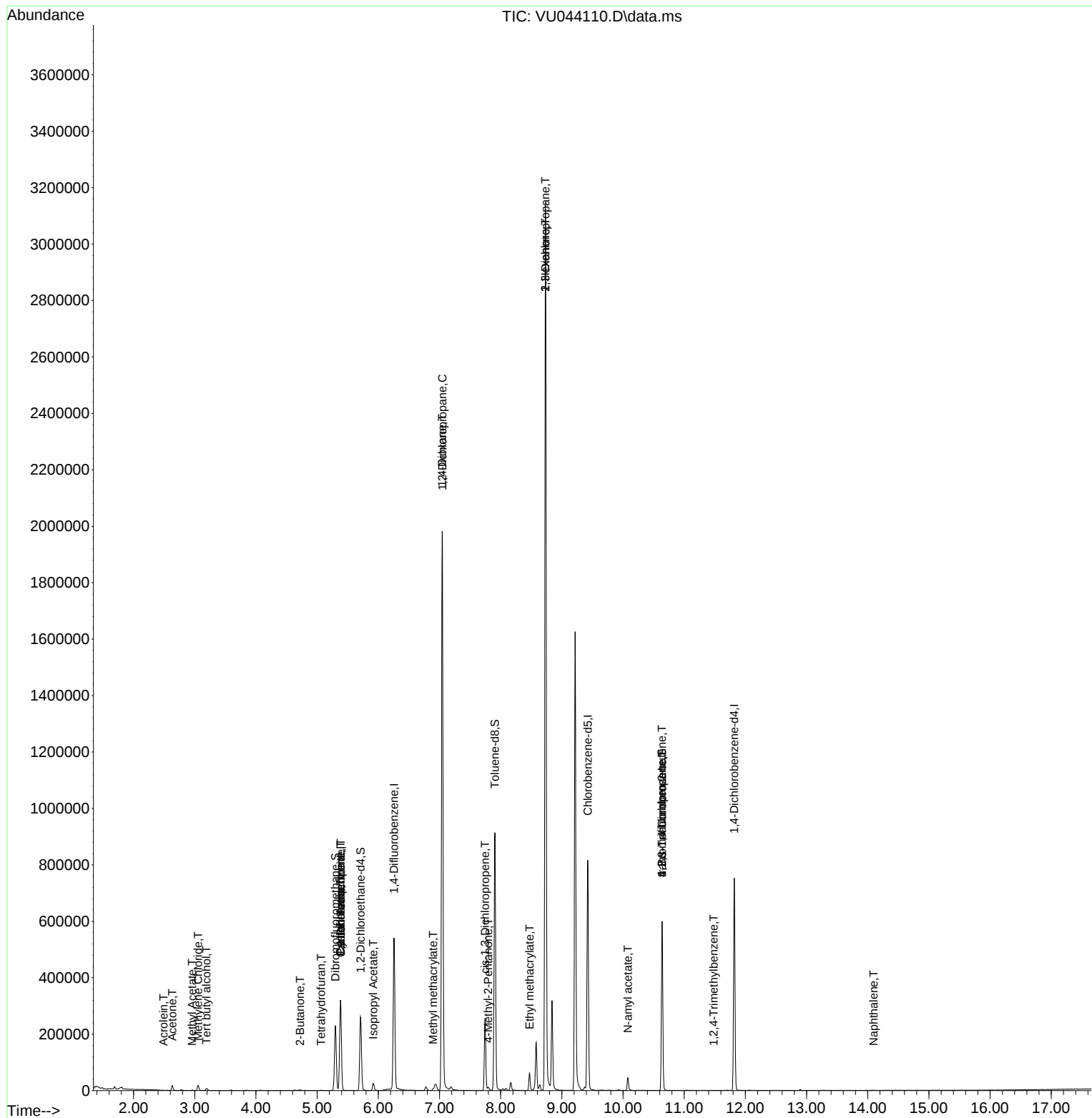
Internal Standards						
1) Pentafluorobenzene	5.382	168	206250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	412557	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	433410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	188172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	189872	52.860	ug/l	0.00
Spiked Amount 50.000			Recovery	= 105.720%		
35) Dibromofluoromethane	5.298	113	148774	50.533	ug/l	0.00
Spiked Amount 50.000			Recovery	= 101.060%		
50) Toluene-d8	7.906	98	583024	51.341	ug/l	0.00
Spiked Amount 50.000			Recovery	= 102.680%		
62) 4-Bromofluorobenzene	10.639	95	201637	44.848	ug/l	0.00
Spiked Amount 50.000			Recovery	= 89.700%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	799	Below Cal		91
11) Tert butyl alcohol	3.192	59	5034	5.653	ug/l #	72
13) Acrolein	2.491	56	342	0.488	ug/l #	81
16) Acetone	2.633	43	19357	9.337	ug/l	96
18) Methyl Acetate	2.957	43	2336	0.511	ug/l	97
20) Methylene Chloride	3.054	84	8775	1.163	ug/l	96
25) 2-Butanone	4.719	43	3821	1.292	ug/l #	89
29) Tetrahydrofuran	5.067	42	814	0.496	ug/l #	63
31) Cyclohexane	5.382	56	5023	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19006	4.089	ug/l #	50
38) Carbon Tetrachloride	5.385	117	22286	5.307	ug/l #	18
43) Isopropyl Acetate	5.919	43	26328	3.180	ug/l	99
45) 1,2-Dichloropropane	7.047	63	2435	0.637	ug/l #	42
48) Methyl methacrylate	6.896	41	9695	2.375	ug/l #	14
49) 1,4-Dioxane	7.044	88	101	1.006	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	7219	1.174	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	44613	7.849	ug/l #	66
56) Ethyl methacrylate	8.475	69	302	3.431	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32069	5.124	ug/l #	43
59) 2-Hexanone	8.732	43	414109	86.666	ug/l #	50
74) N-amyl acetate	10.079	43	14182	2.446	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	104018	19.760	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	104018	57.700	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	132	0.959	ug/l #	32
95) Naphthalene	14.095	128	253	2.864	ug/l #	69

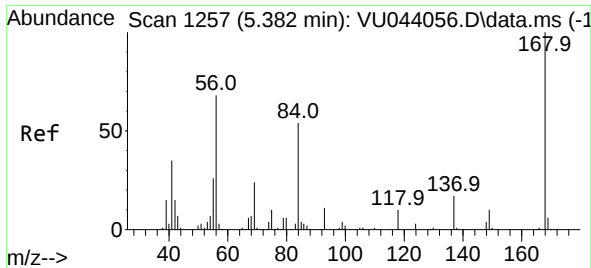
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

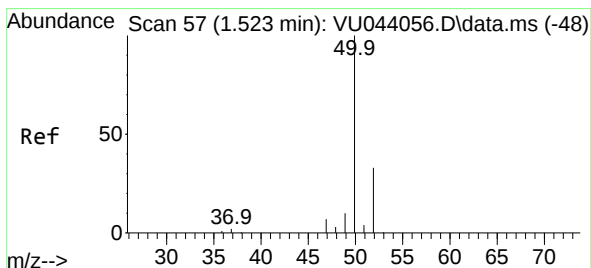
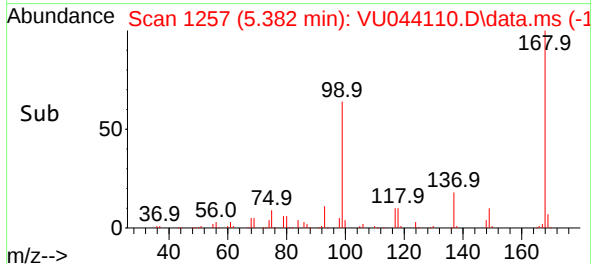
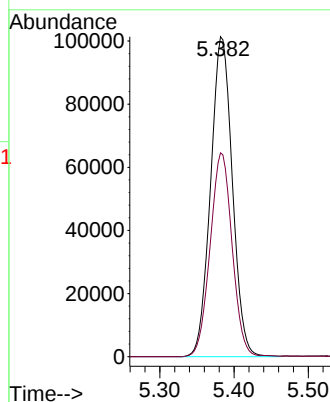
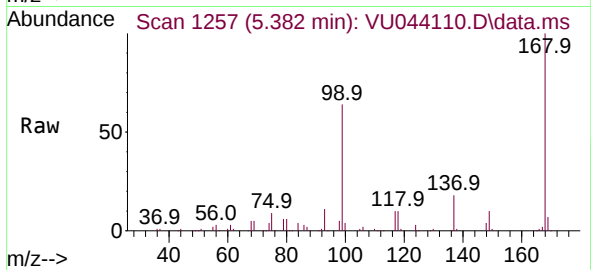




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

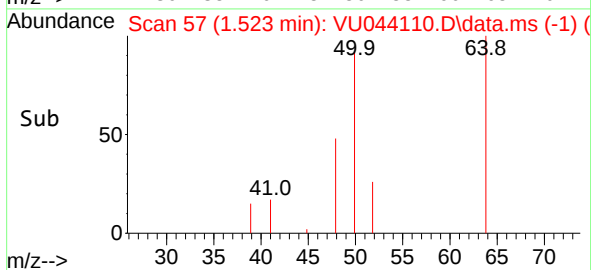
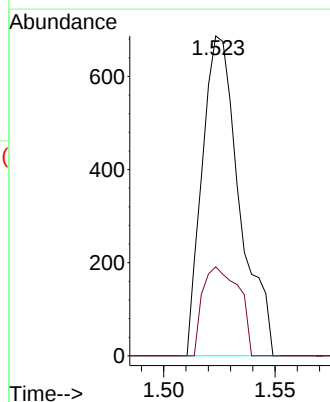
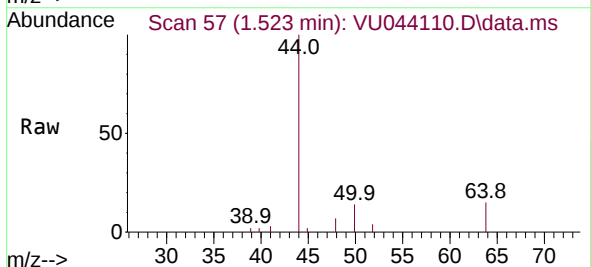
Instrument :
MSVOA_U
ClientSampleId :

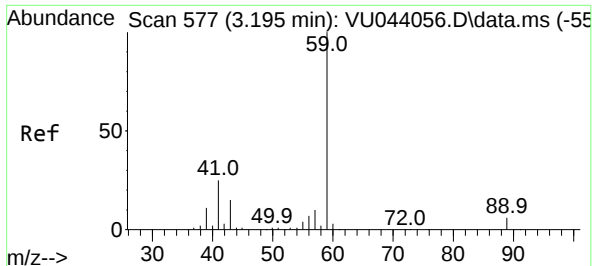
Tgt Ion:168 Resp: 206250
Ion Ratio Lower Upper
168 100
99 63.7 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 50 Resp: 799
Ion Ratio Lower Upper
50 100
52 27.8 26.2 39.2

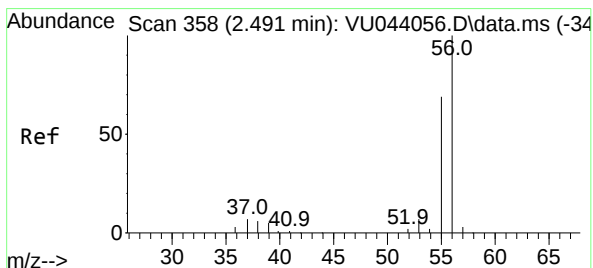
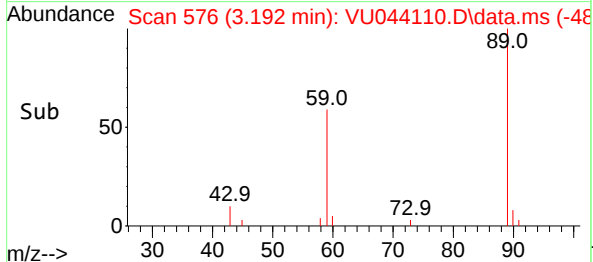
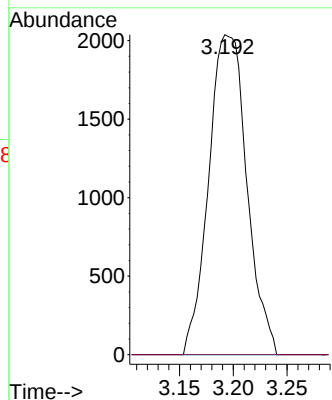
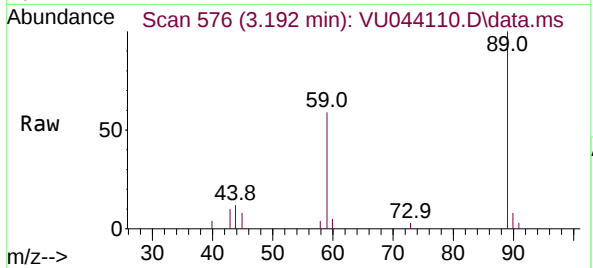




#11
Tert butyl alcohol
Concen: 5.653 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

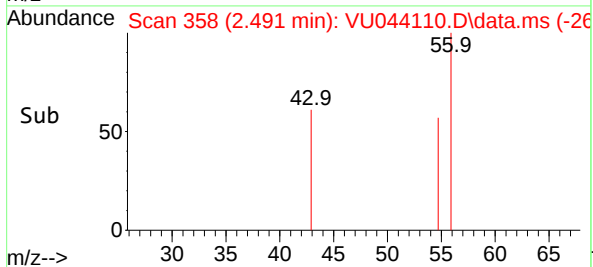
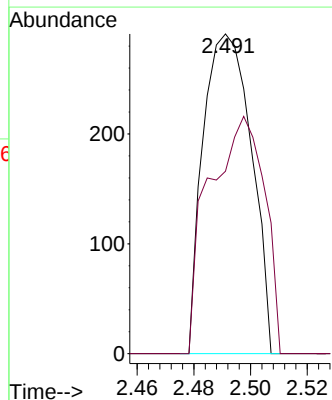
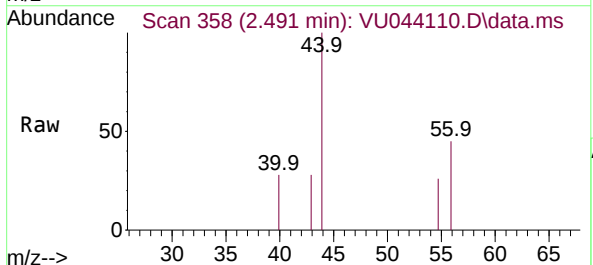
Instrument :
MSVOA_U
ClientSampleId :

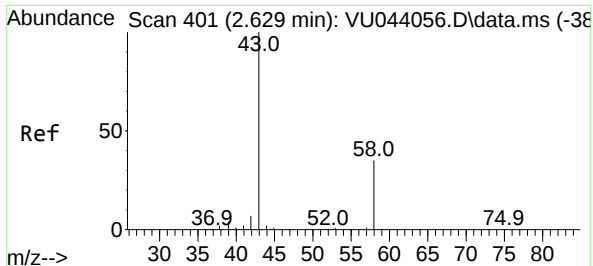
Tgt Ion: 59 Resp: 5034
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.488 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 85.4 56.1 84.1#

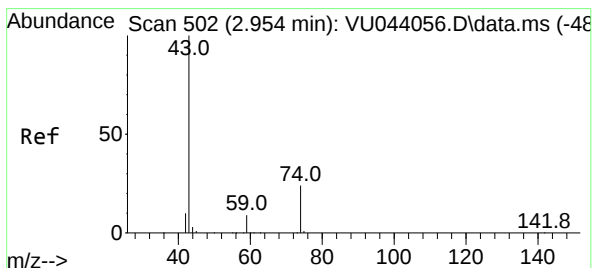
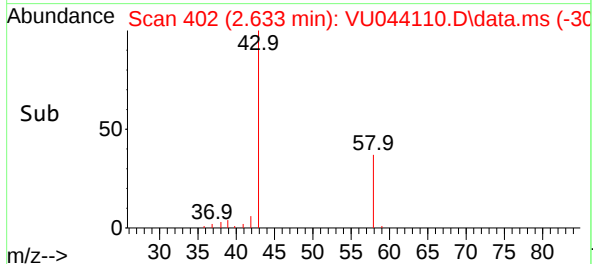
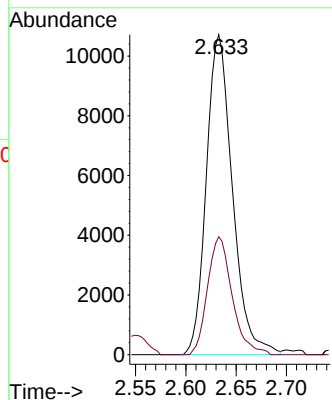
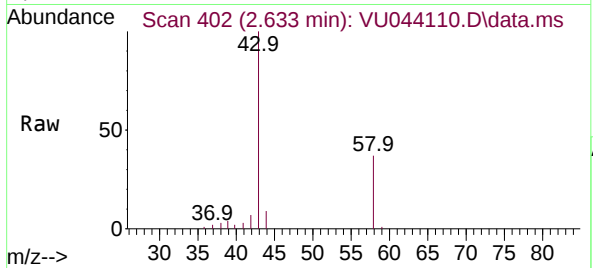




#16
Acetone
Concen: 9.337 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

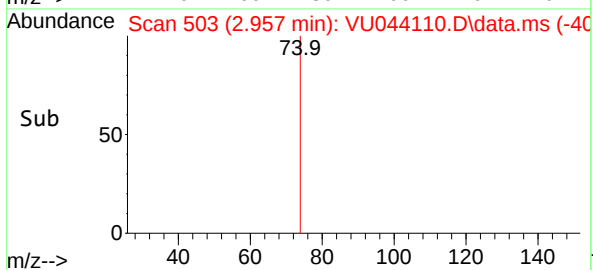
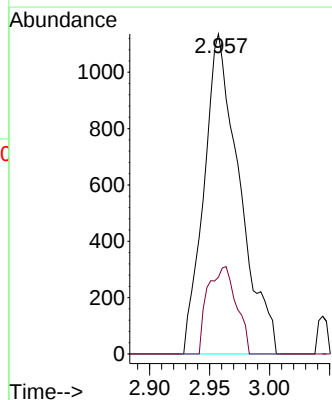
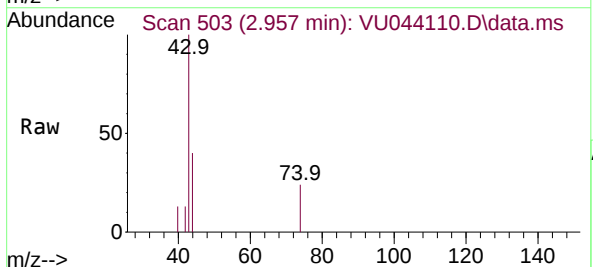
Instrument :
MSVOA_U
ClientSampleId :

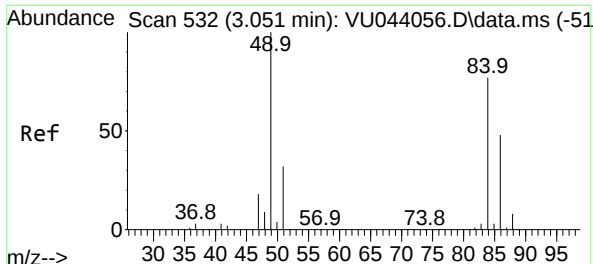
Tgt Ion: 43 Resp: 19357
Ion Ratio Lower Upper
43 100
58 36.9 27.7 41.5



#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

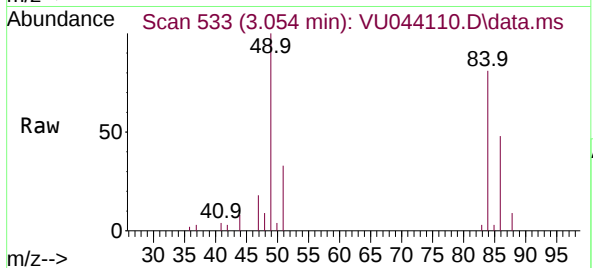
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
74 21.9 18.7 28.1



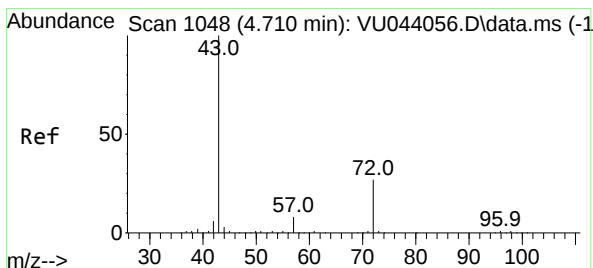
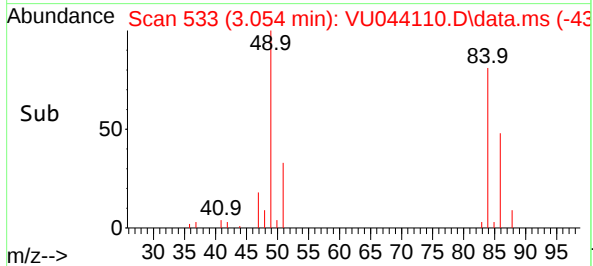
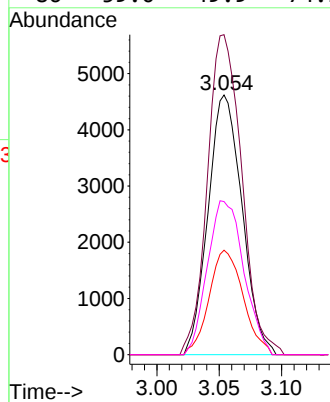


#20
Methylene Chloride
Concen: 1.163 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :

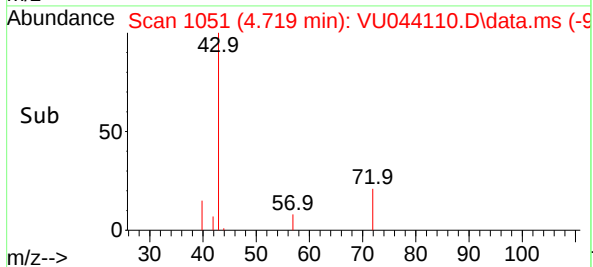
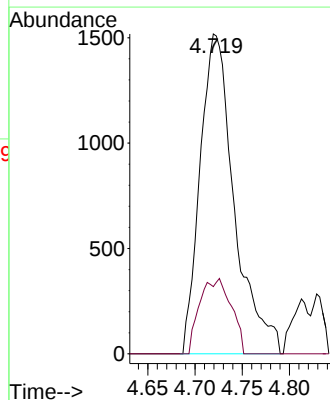
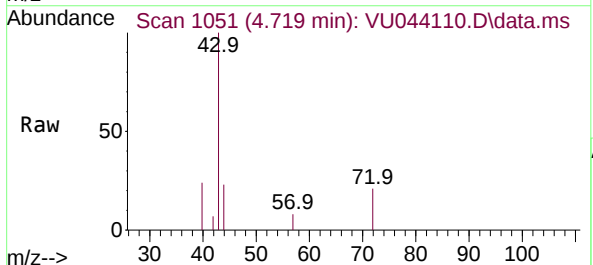


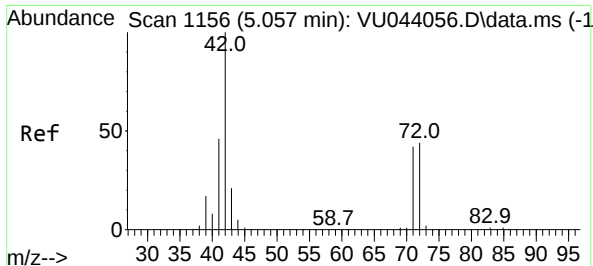
Tgt Ion:	84	Resp:	8775
Ion	Ratio	Lower	Upper
84	100		
49	123.2	103.6	155.4
51	40.2	32.8	49.2
86	59.0	49.9	74.9



#25
2-Butanone
Concen: 1.292 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion:	43	Resp:	3821
Ion	Ratio	Lower	Upper
43	100		
72	21.0	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 5.067 min Scan# 1159

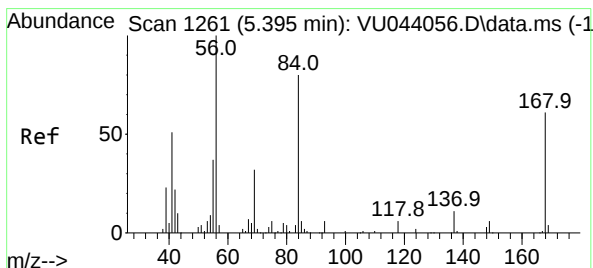
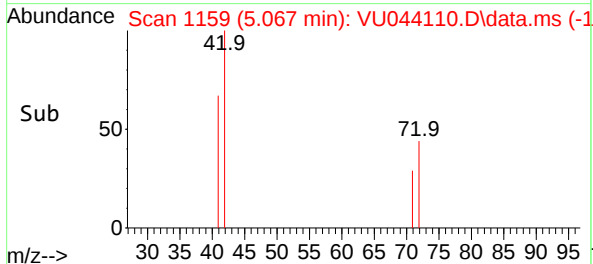
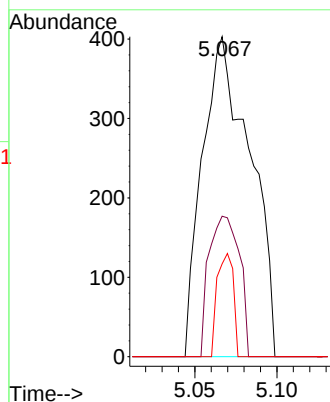
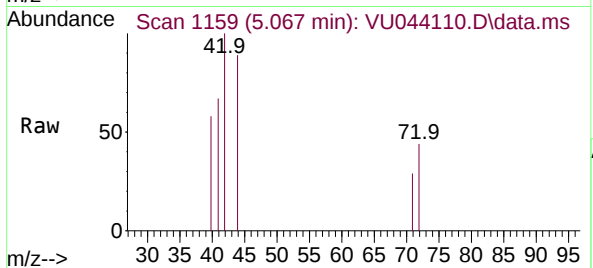
Delta R.T. 0.010 min

Lab File: VU044110.D

Acq: 08 Jun 2021 13:05

Tgt Ion:	42	Resp:	814
Ion	Ratio	Lower	Upper
42	100		
72	28.0	35.6	53.4#
71	10.8	33.3	49.9#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 1.013 ug/l

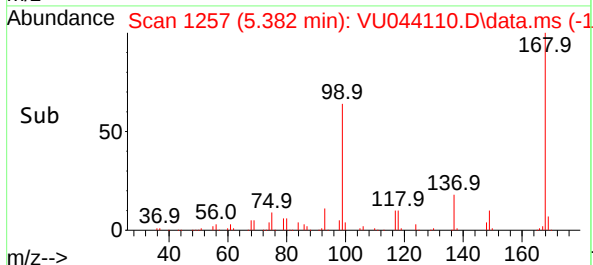
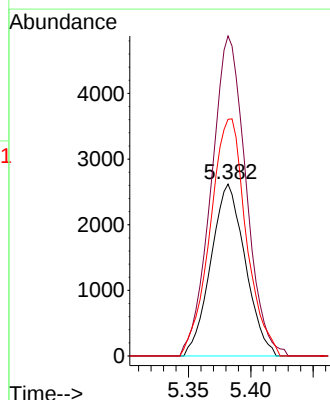
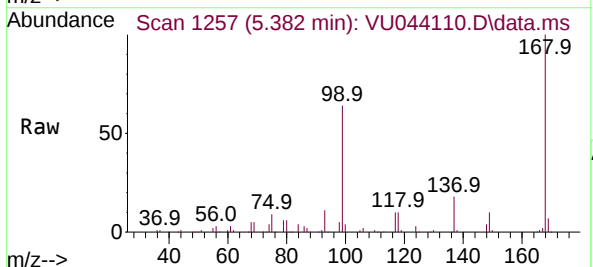
RT: 5.382 min Scan# 1257

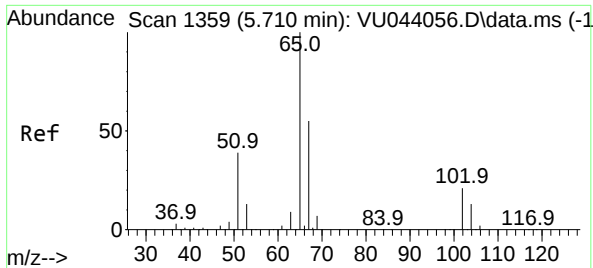
Delta R.T. -0.013 min

Lab File: VU044110.D

Acq: 08 Jun 2021 13:05

Tgt Ion:	56	Resp:	5023
Ion	Ratio	Lower	Upper
56	100		
69	186.2	25.4	38.2#
84	137.7	64.2	96.2#

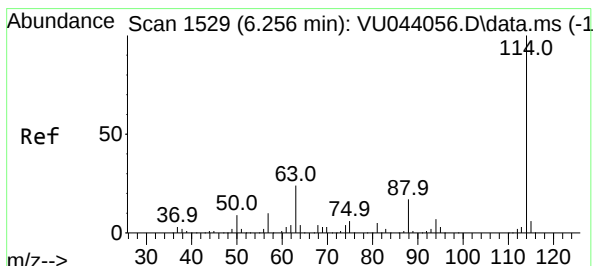
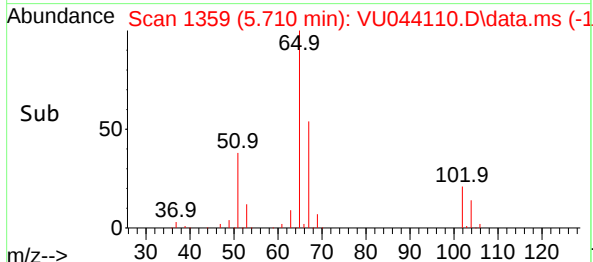
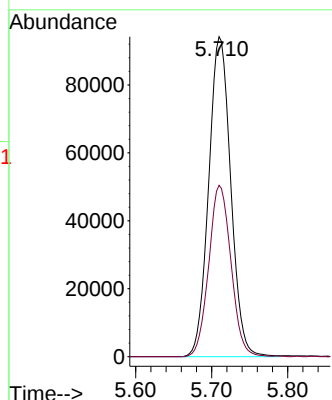
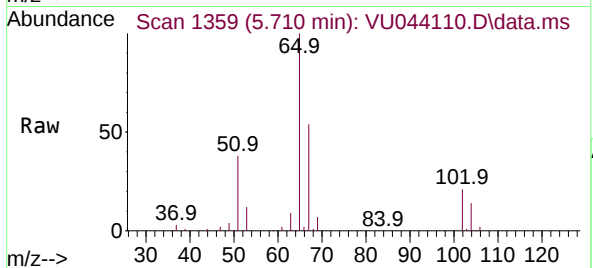




#33
1,2-Dichloroethane-d4
Concen: 52.860 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

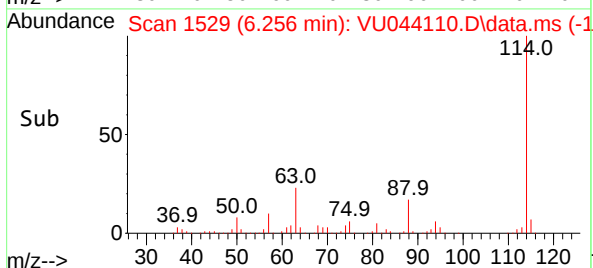
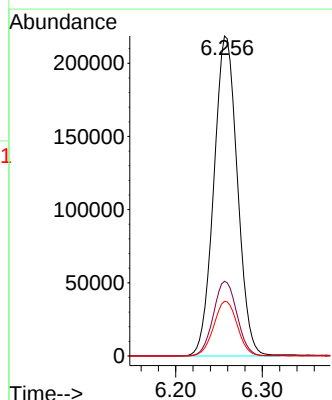
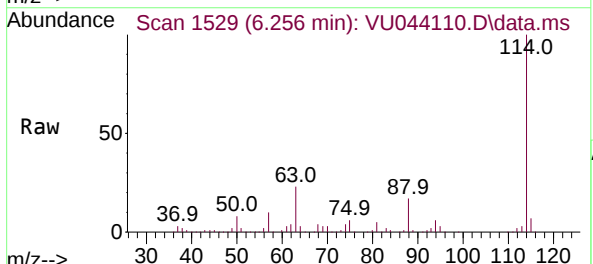
Instrument :
MSVOA_U
ClientSampled :

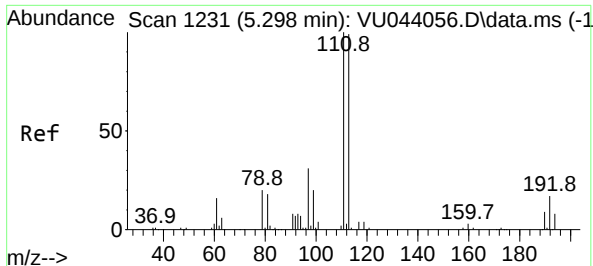
Tgt Ion: 65 Resp: 189872
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 114 Resp: 412557
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 17.1 0.0 34.4

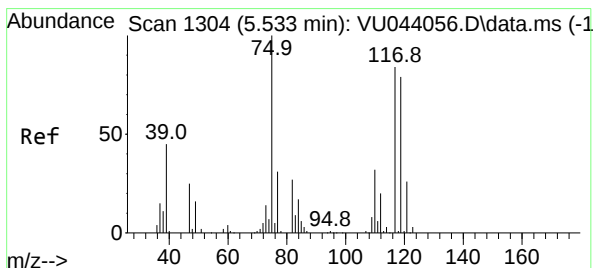
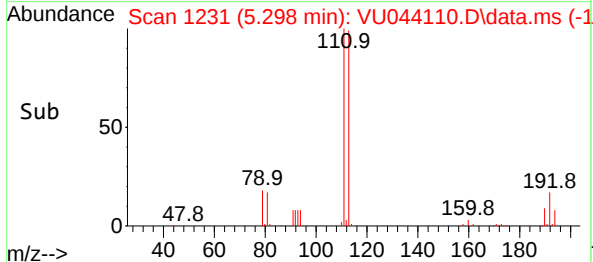
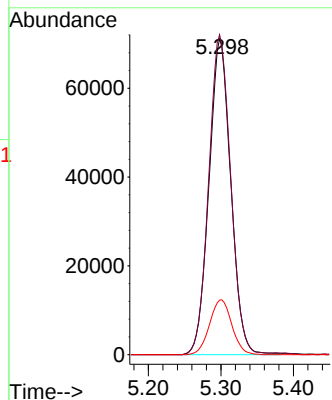
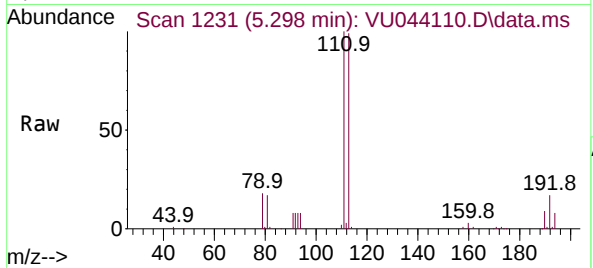




#35
Dibromofluoromethane
Concen: 50.533 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

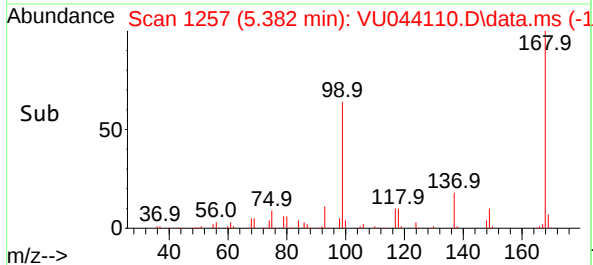
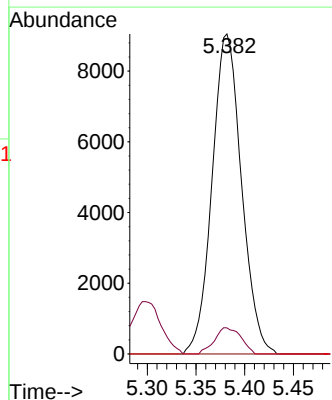
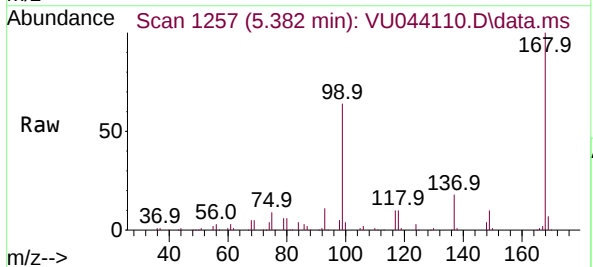
Instrument :
MSVOA_U
ClientSampleId :

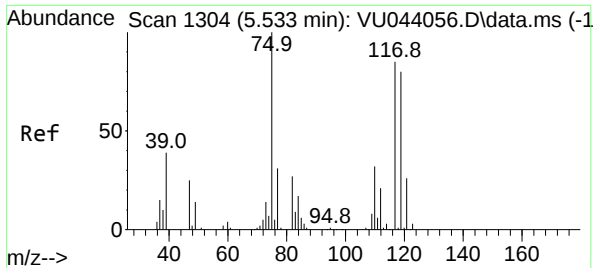
Tgt Ion:113 Resp: 148774
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 17.8 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.089 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

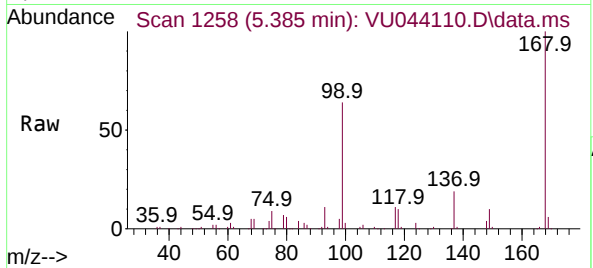
Tgt Ion: 75 Resp: 19006
Ion Ratio Lower Upper
75 100
110 7.4 15.9 47.7#
77 0.0 25.0 37.4#



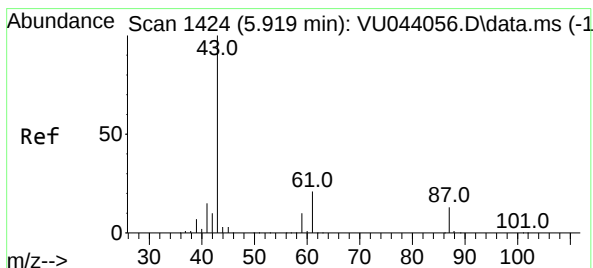
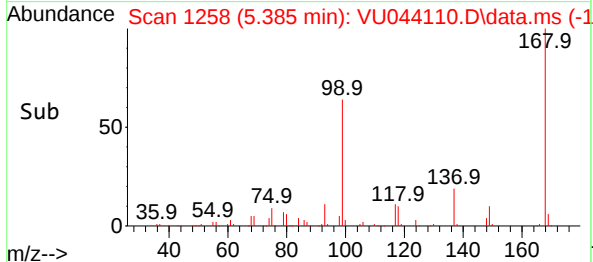
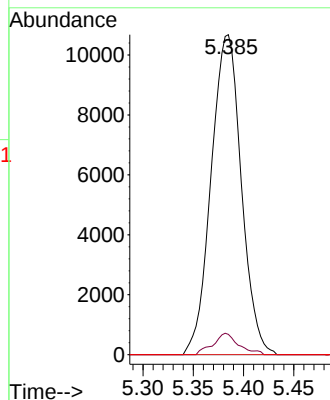


#38
Carbon Tetrachloride
Concen: 5.307 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Instrument :
MSVOA_U
ClientSampled :

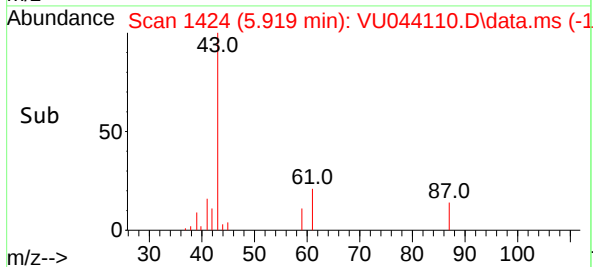
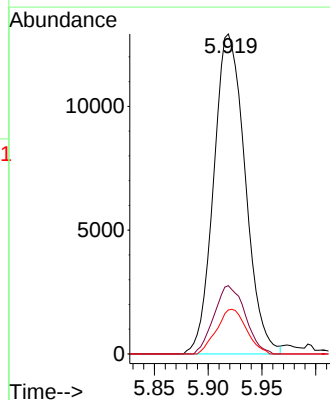
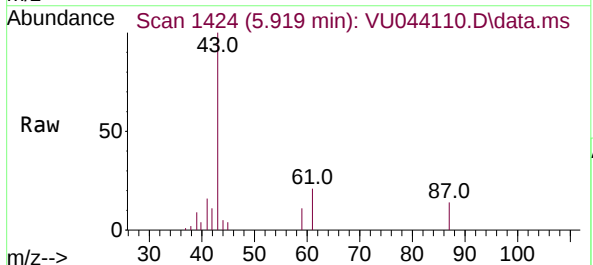


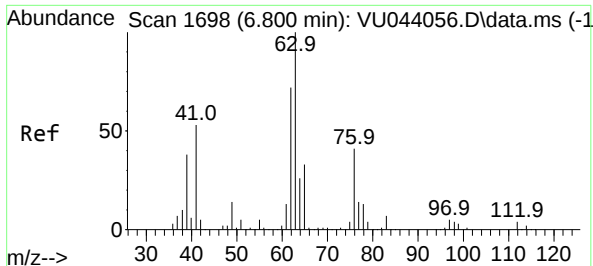
Tgt Ion:117 Resp: 22286
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.180 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 43 Resp: 26328
Ion Ratio Lower Upper
43 100
61 21.1 16.8 25.2
87 13.2 10.2 15.2



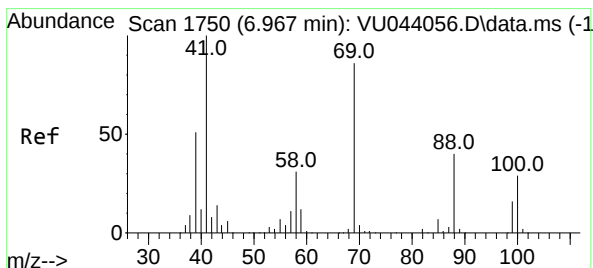
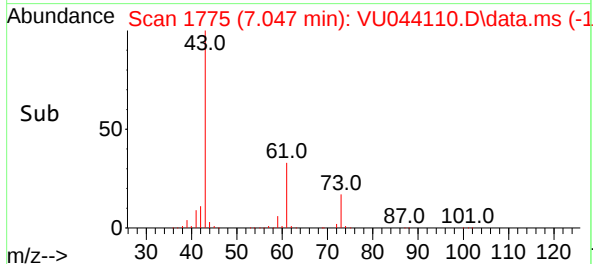
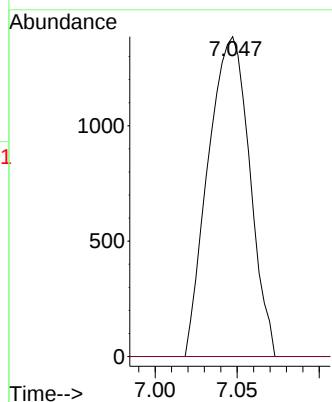
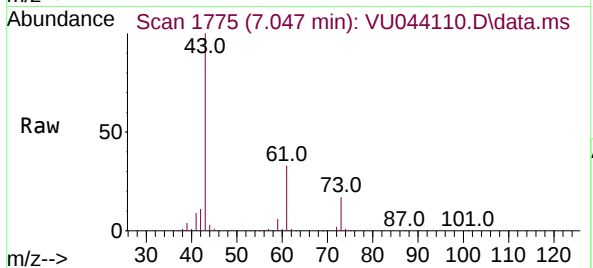


#45

1,2-Dichloropropane
Concen: 0.637 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Instrument :
MSVOA_U
ClientSampled :

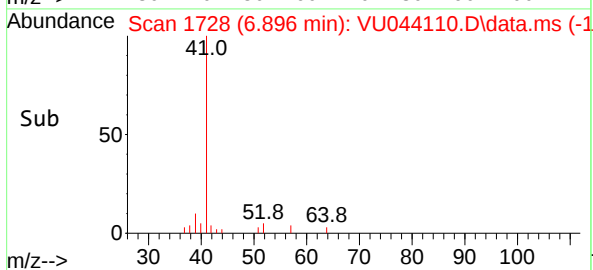
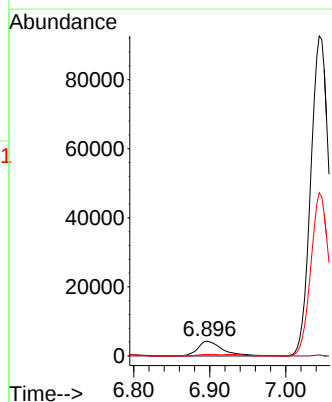
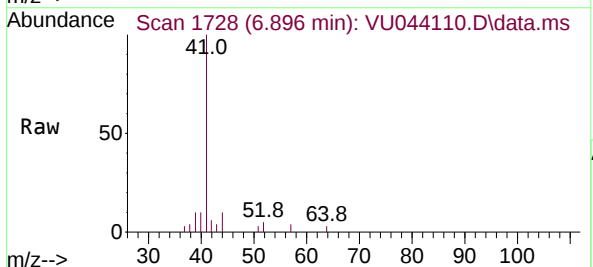
Tgt Ion: 63 Resp: 2435
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

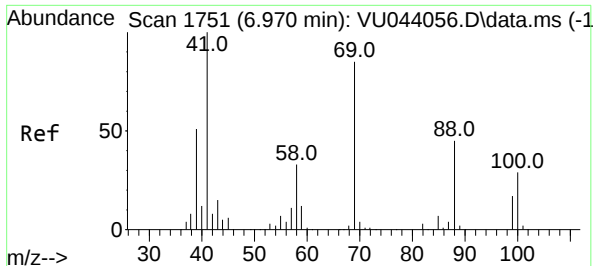


#48

Methyl methacrylate
Concen: 2.375 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.071 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 41 Resp: 9695
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#





#49

1,4-Dioxane

Concen: 1.006 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044110.D

Acq: 08 Jun 2021 13:05

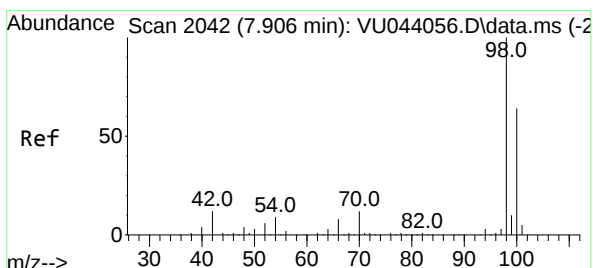
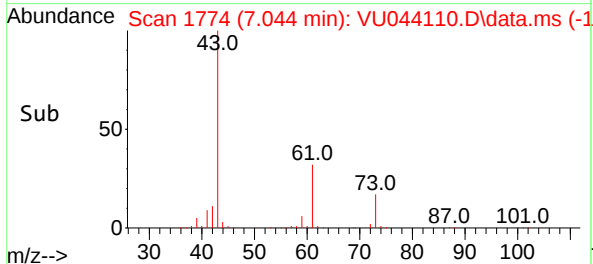
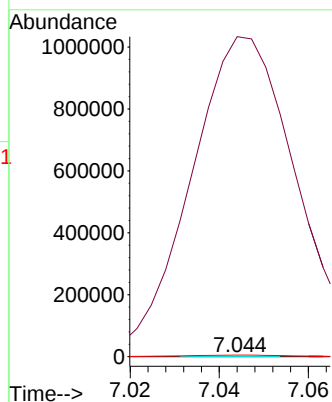
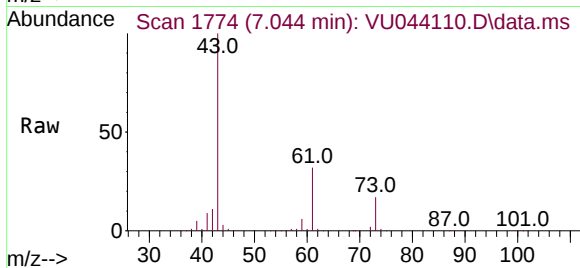
Tgt Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 1739203.0 25.0 37.4#

58 9361.4 60.0 90.0#



#50

Toluene-d8

Concen: 51.341 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044110.D

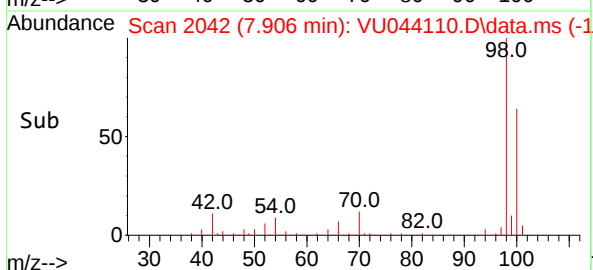
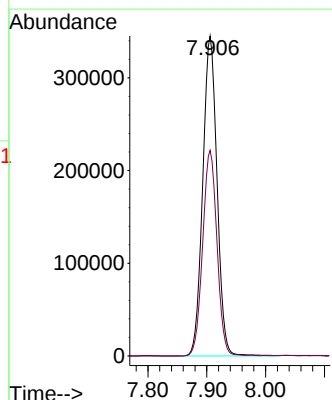
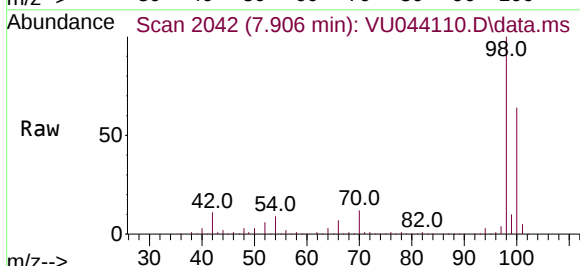
Acq: 08 Jun 2021 13:05

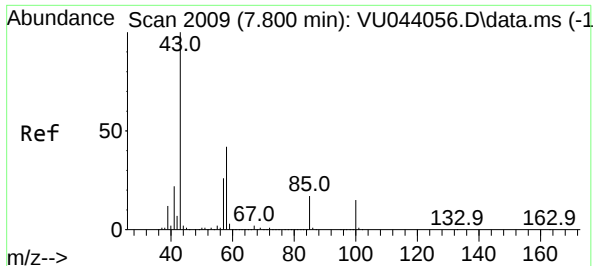
Tgt Ion: 98 Resp: 583024

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4

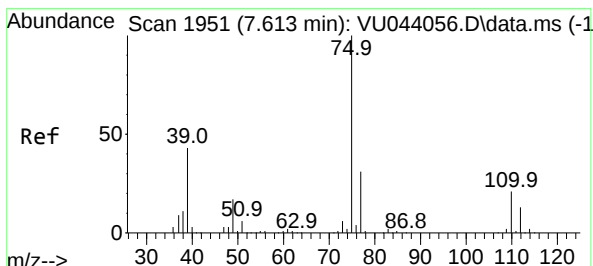
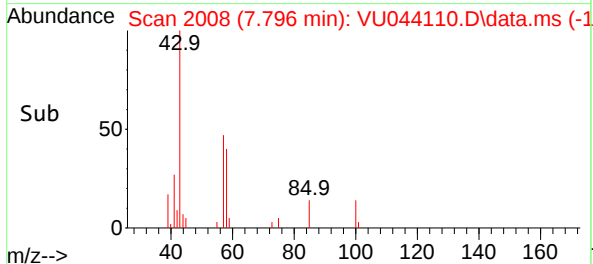
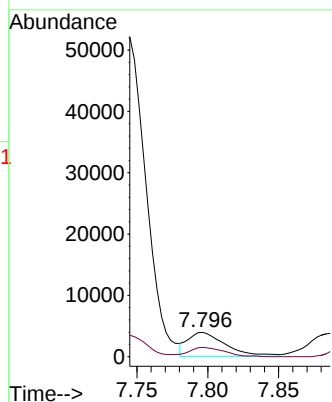
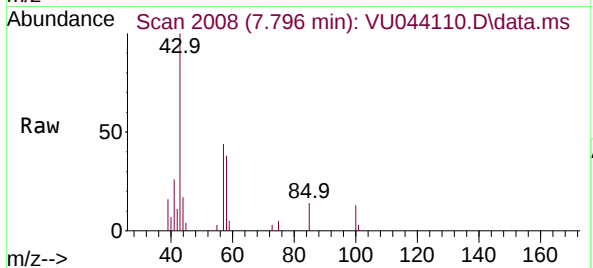




#51
4-Methyl-2-Pentanone
Concen: 1.174 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

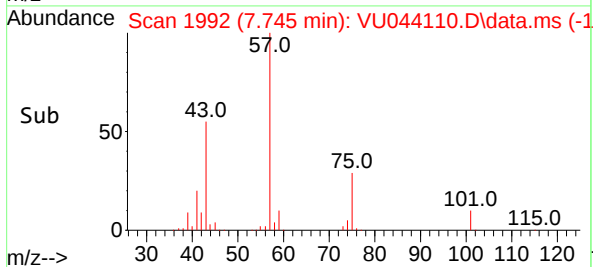
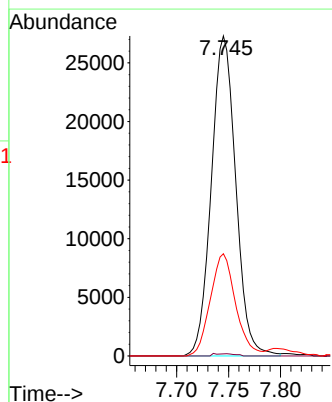
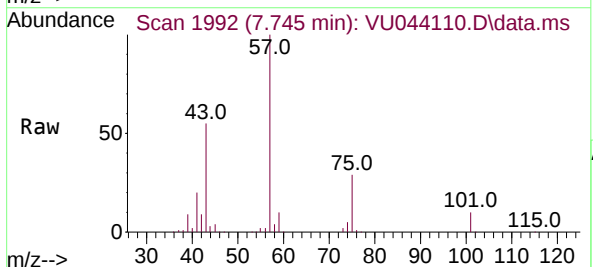
Instrument :
MSVOA_U
ClientSampled :

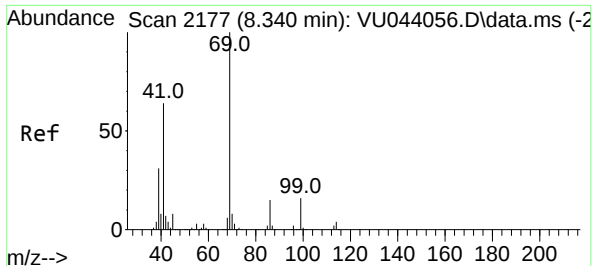
Tgt Ion: 43 Resp: 7219
Ion Ratio Lower Upper
43 100
58 37.2 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.849 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 75 Resp: 44613
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 32.0 34.7 52.1#





#56

Ethyl methacrylate

Concen: 3.431 ug/l

RT: 8.475 min Scan# 2219

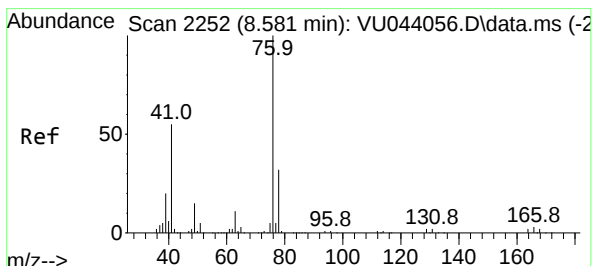
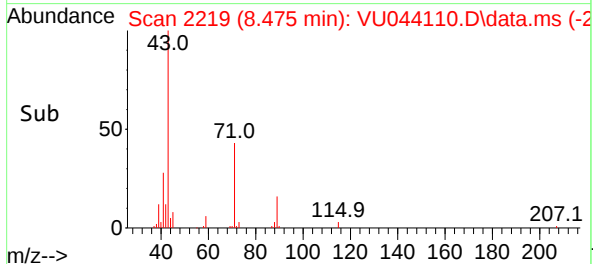
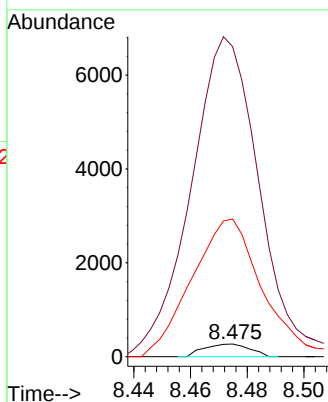
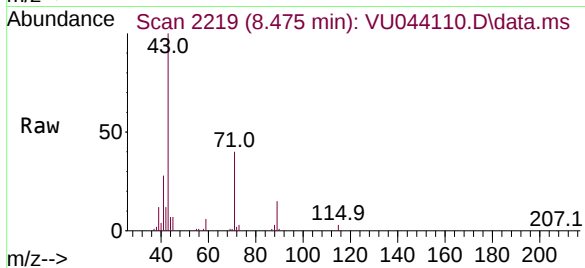
Delta R.T. 0.135 min

Lab File: VU044110.D

Acq: 08 Jun 2021 13:05

Tgt Ion:	69	Resp:	302
Ion	Ratio	Lower	Upper
69	100		
41	3784.4	51.4	77.0#
39	1680.1	24.9	37.3#

Instrument :
MSVOA_U
ClientSampleId :



#57

1,3-Dichloropropane

Concen: 5.124 ug/l

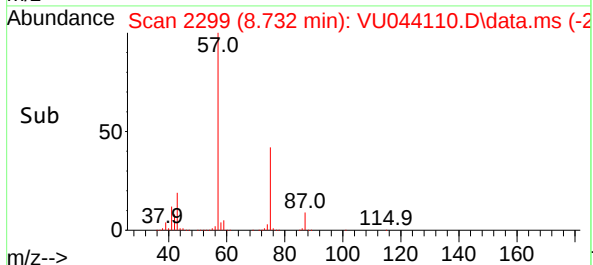
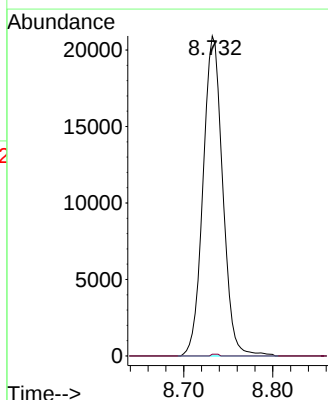
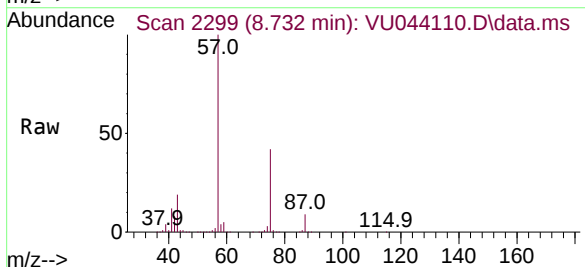
RT: 8.732 min Scan# 2299

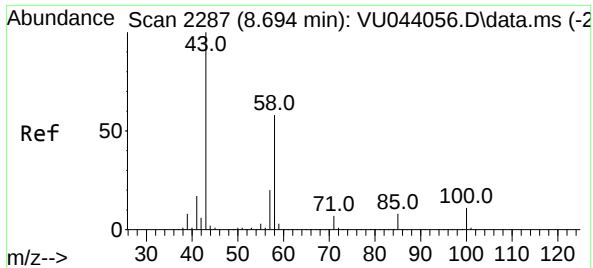
Delta R.T. 0.151 min

Lab File: VU044110.D

Acq: 08 Jun 2021 13:05

Tgt Ion:	76	Resp:	32069
Ion	Ratio	Lower	Upper
76	100		
78	0.2	25.9	38.9#

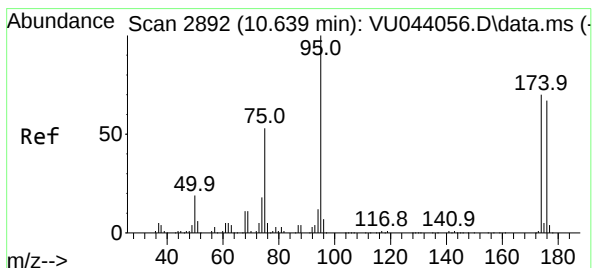
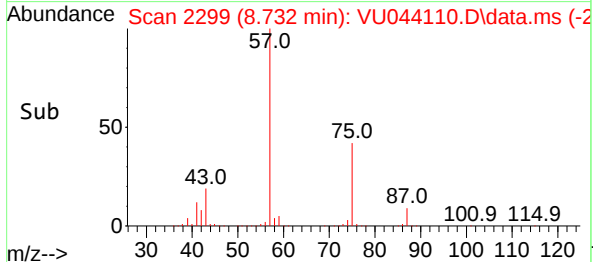
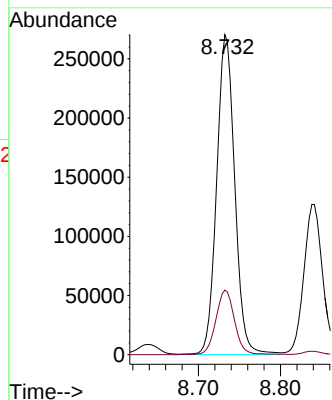
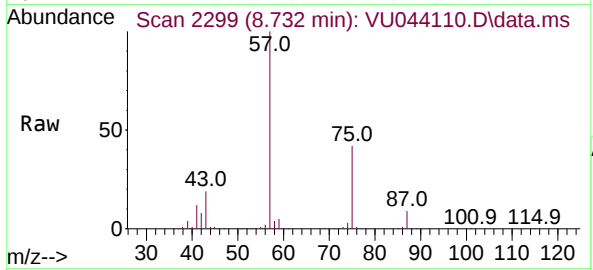




#59
2-Hexanone
Concen: 86.666 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

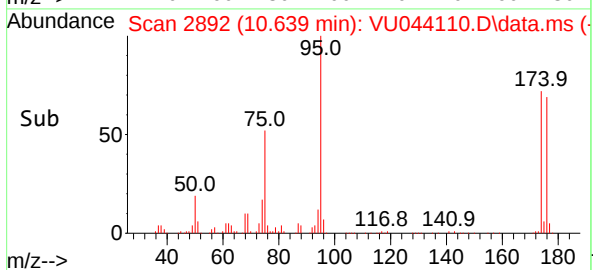
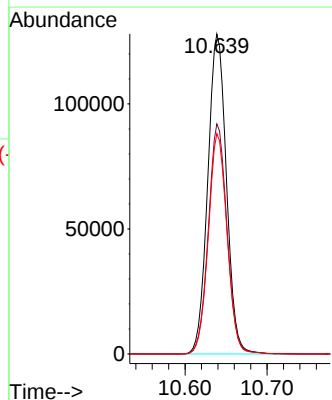
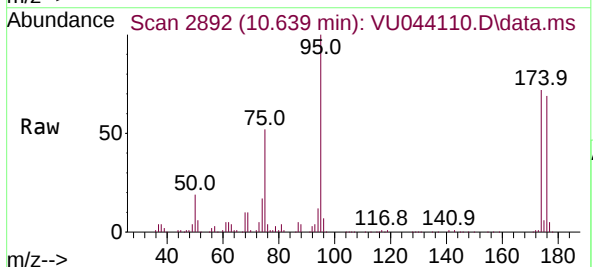
Instrument :
MSVOA_U
ClientSampled :

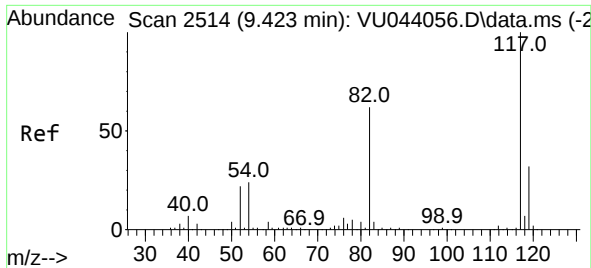
Tgt Ion: 43 Resp: 414109
Ion Ratio Lower Upper
43 100
58 21.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 44.848 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion: 95 Resp: 201637
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.0
176 69.1 0.0 135.2

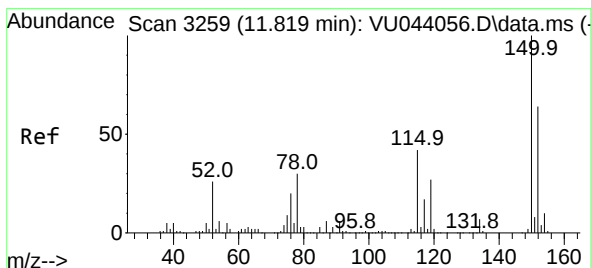
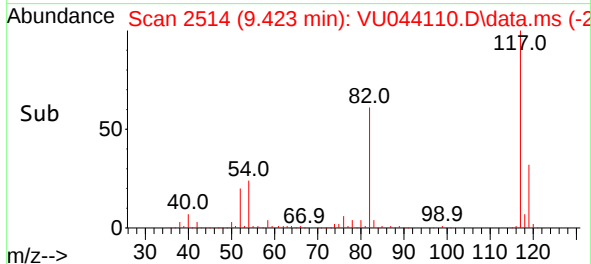
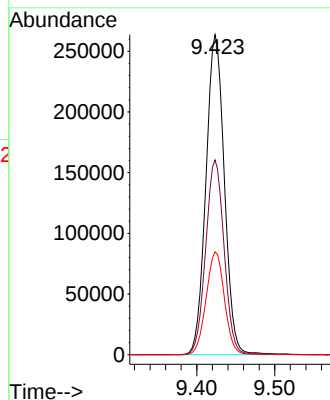
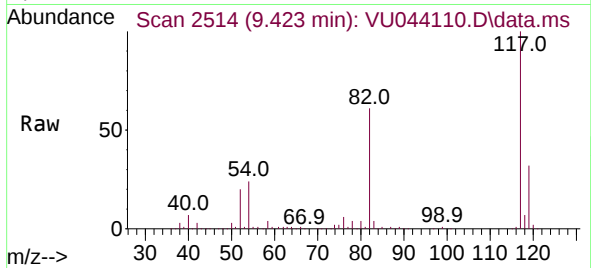




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

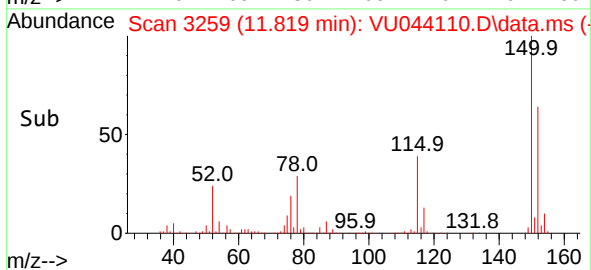
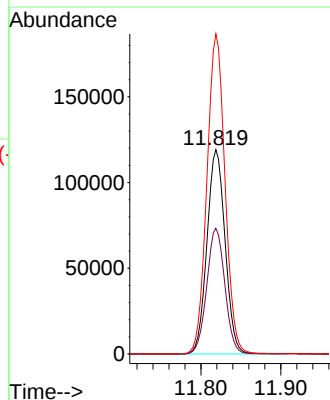
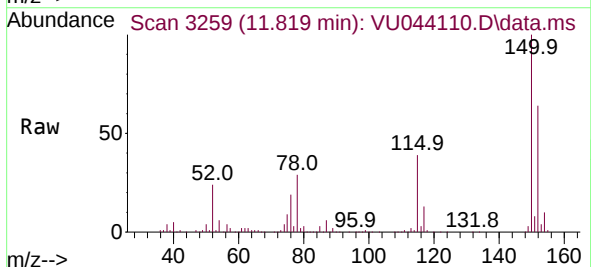
Instrument :
MSVOA_U
ClientSampleId :

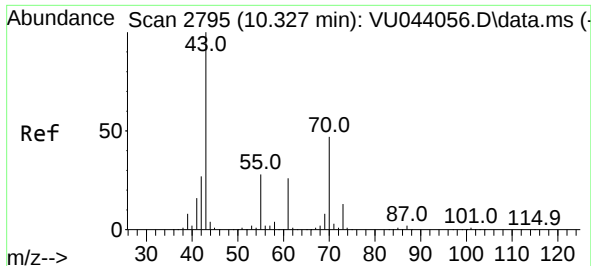
Tgt Ion:117 Resp: 433410
Ion Ratio Lower Upper
117 100
82 60.8 50.0 75.0
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion:152 Resp: 188172
Ion Ratio Lower Upper
152 100
115 61.4 44.6 134.0
150 156.2 0.0 347.8

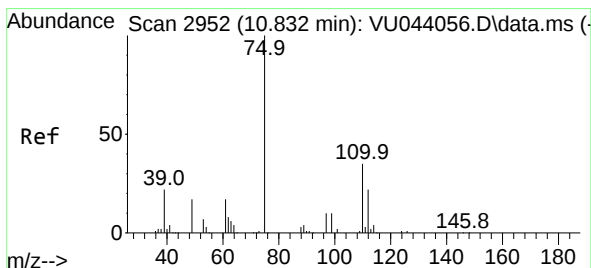
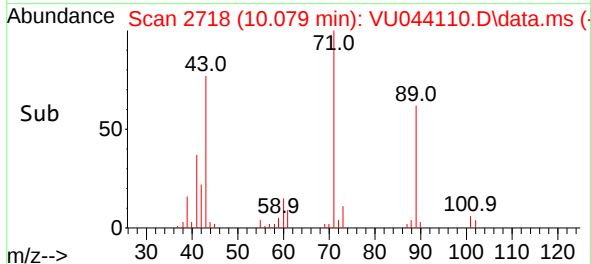
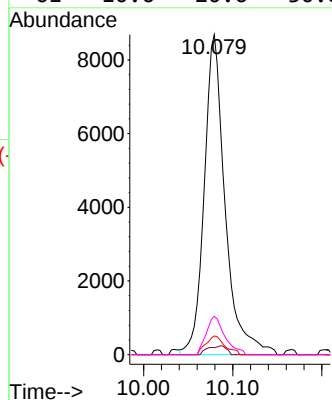
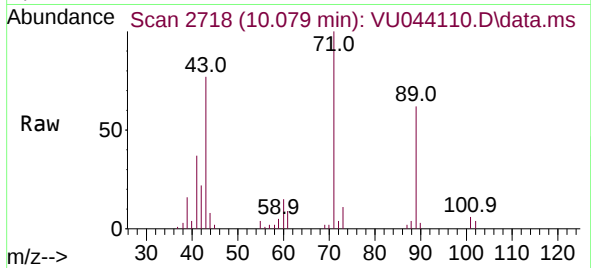




#74
N-amy1 acetate
Concen: 2.446 ug/l
RT: 10.079 min Scan# 2718
Delta R.T. -0.248 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

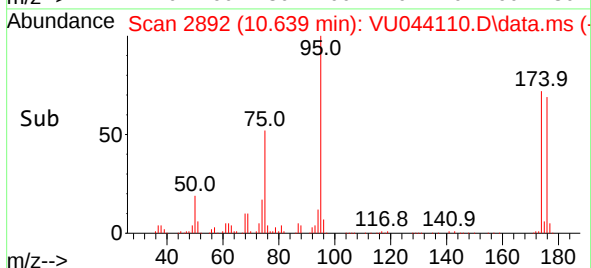
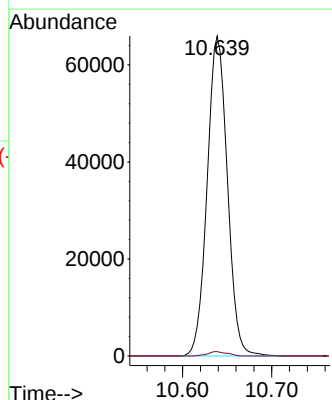
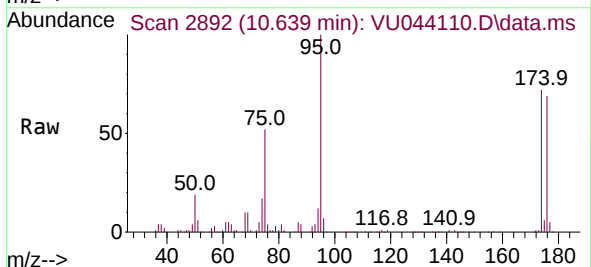
Instrument :
MSVOA_U
ClientSampled :

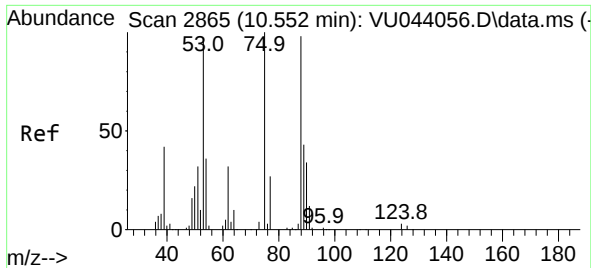
Tgt Ion:	43	Resp:	14182
Ion Ratio	Lower	Upper	
43	100		
70	2.4	37.3	55.9#
55	5.3	23.0	34.4#
61	10.6	20.6	30.8#



#76
1,2,3-Trichloropropane
Concen: 19.760 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Tgt Ion:	75	Resp:	104018
Ion Ratio	Lower	Upper	
75	100		
77	1.3	16.9	50.6#

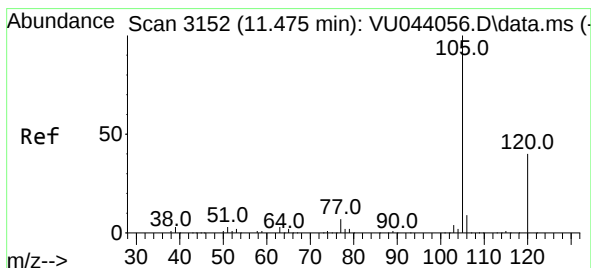
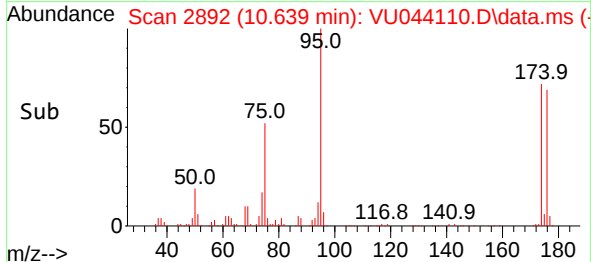
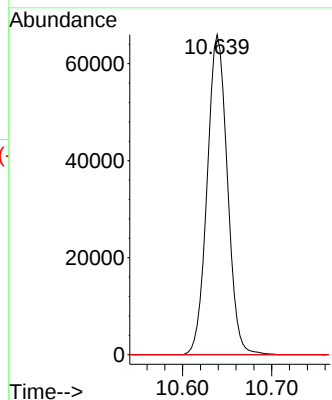
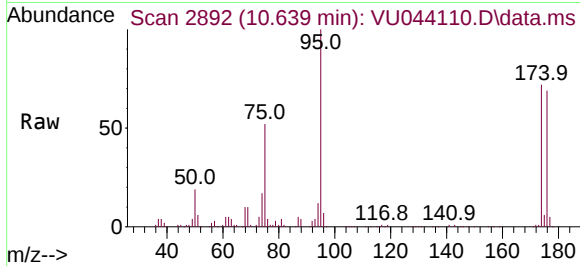




#81
trans-1,4-Dichloro-2-butene
Concen: 57.700 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

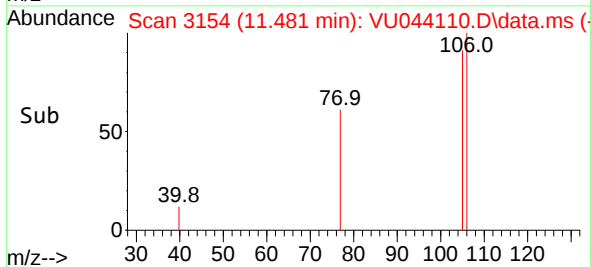
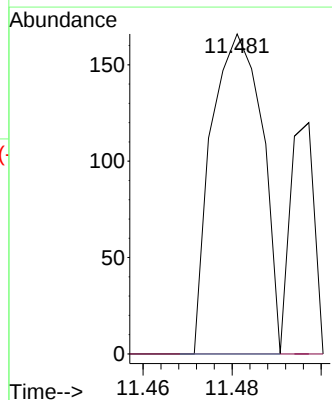
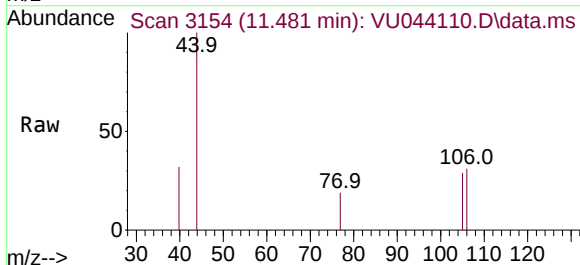
Instrument :
MSVOA_U
ClientSampled :

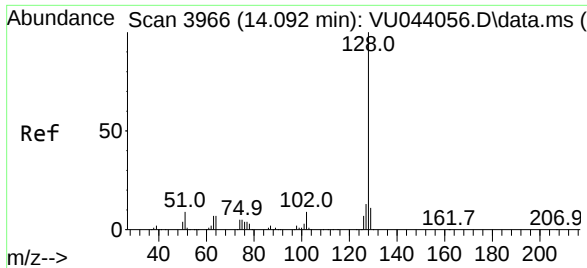
Tgt Ion: 75 Resp: 104018
Ion Ratio Lower Upper
75 100
53 0.0 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.959 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

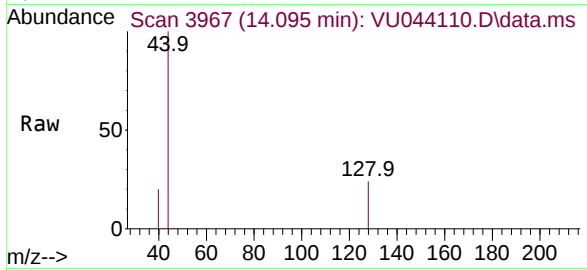
Tgt Ion: 105 Resp: 132
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.864 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044110.D
Acq: 08 Jun 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	253
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

