

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044109.D
 Acq On : 08 Jun 2021 12:41
 Operator : SY/MD
 Sample : M2612-32
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:12:46 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)

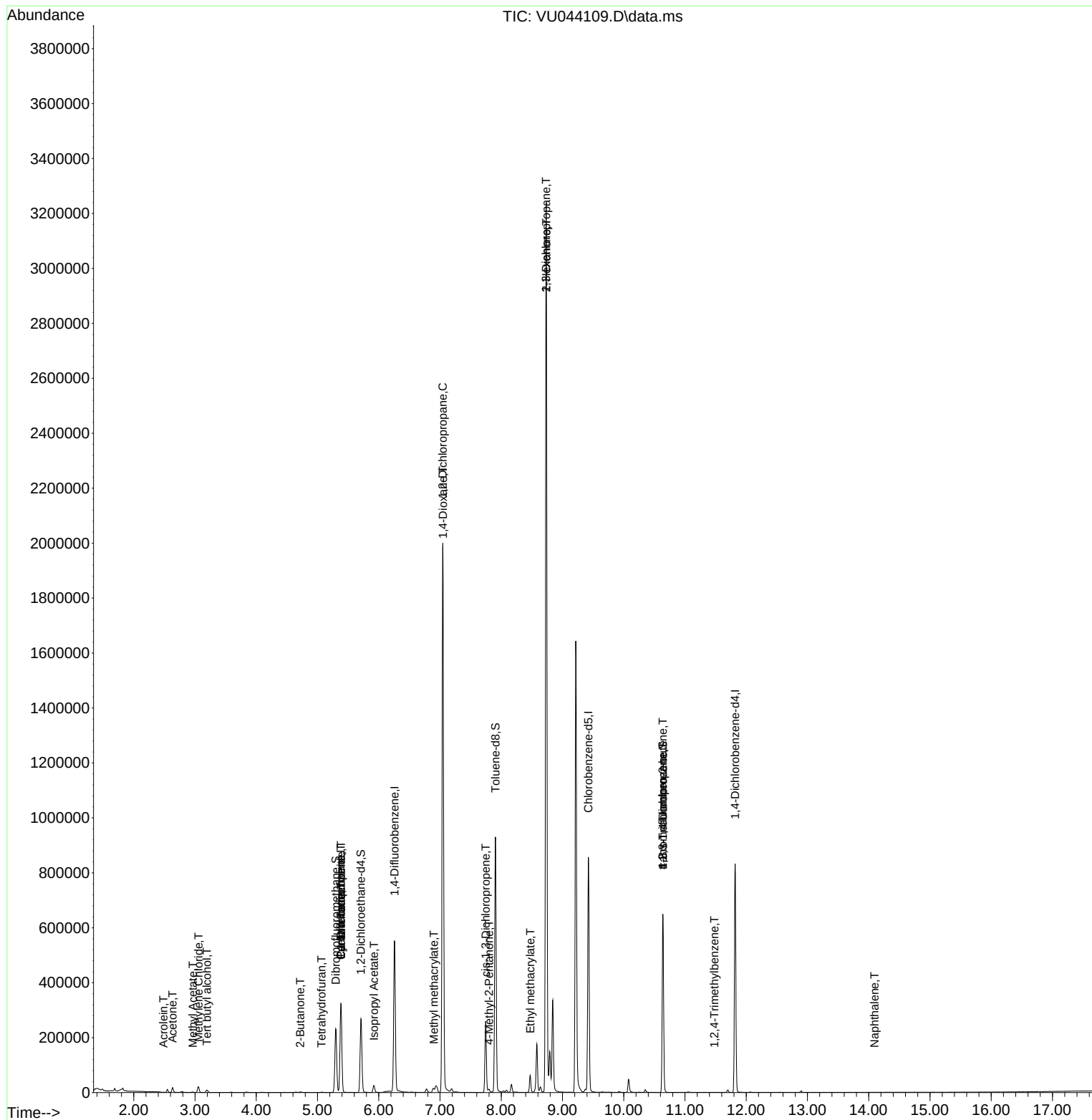
Internal Standards						
1) Pentafluorobenzene	5.382	168	212502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	424920	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	450993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	210294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195839	52.917	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.840%	
35) Dibromofluoromethane	5.298	113	150592	49.662	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.320%	
50) Toluene-d8	7.906	98	595575	50.920	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.840%	
62) 4-Bromofluorobenzene	10.639	95	219920	47.491	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	681	Below Cal	#	86
11) Tert butyl alcohol	3.195	59	5540	6.038	ug/l #	72
13) Acrolein	2.488	56	384	0.532	ug/l #	77
16) Acetone	2.633	43	20074	9.398	ug/l	95
18) Methyl Acetate	2.964	43	2286	0.485	ug/l #	74
20) Methylene Chloride	3.057	84	10305	1.572	ug/l	95
25) 2-Butanone	4.719	43	3589	1.178	ug/l	97
29) Tetrahydrofuran	5.067	42	910	0.538	ug/l #	63
31) Cyclohexane	5.385	56	4938	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19744	4.124	ug/l #	51
38) Carbon Tetrachloride	5.385	117	22151	5.121	ug/l #	17
43) Isopropyl Acetate	5.922	43	26816	3.145	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2400	0.609	ug/l #	42
48) Methyl methacrylate	6.899	41	12391	2.947	ug/l #	26
49) 1,4-Dioxane	7.050	88	251	2.428	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	7423	1.172	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	45374	7.751	ug/l #	65
56) Ethyl methacrylate	8.478	69	412	3.446	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32386	5.024	ug/l #	42
59) 2-Hexanone	8.735	43	424400	86.235	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	112580	19.137	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	112580	55.880	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	160	0.960	ug/l #	32
95) Naphthalene	14.095	128	305	2.866	ug/l #	69

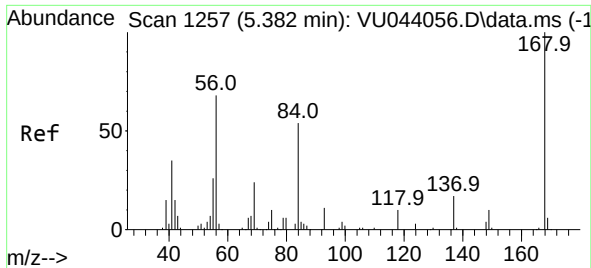
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
Data File : VU044109.D
Acq On : 08 Jun 2021 12:41
Operator : SY/MD
Sample : M2612-32
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 59 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 08 23:12:46 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

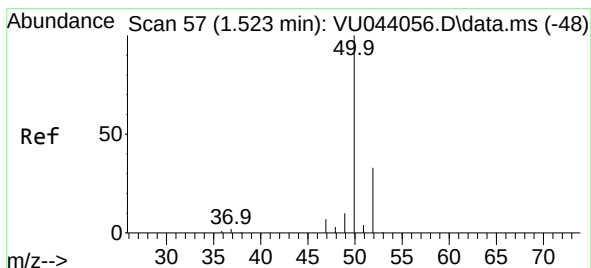
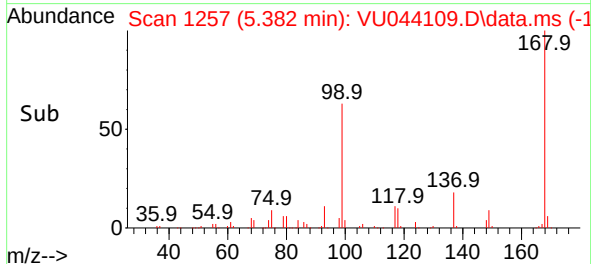
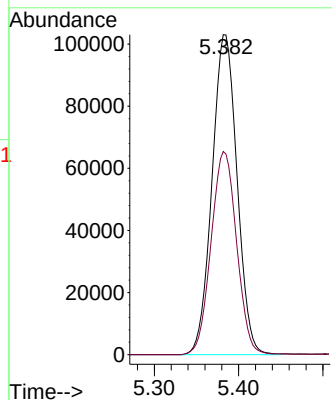
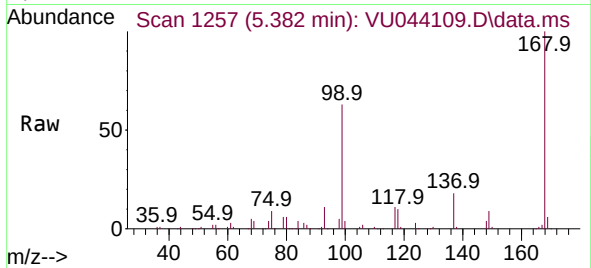




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

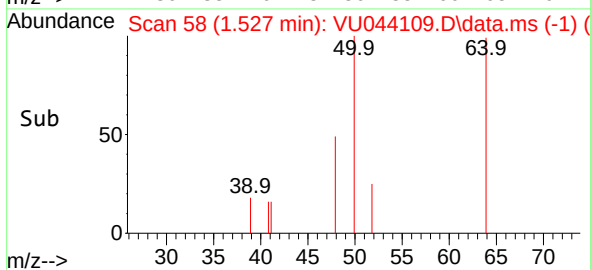
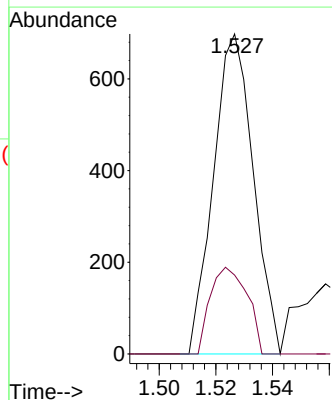
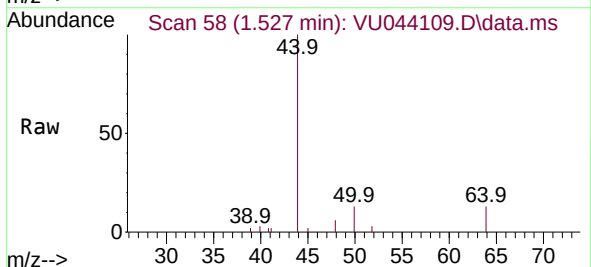
Instrument :
MSVOA_U
ClientSampled :

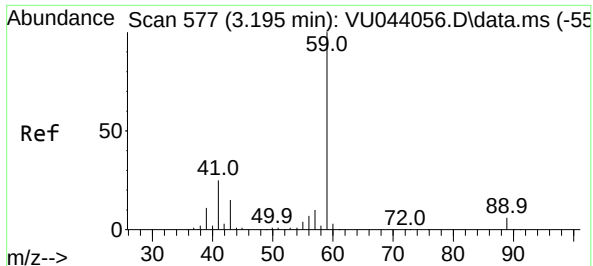
Tgt Ion:168 Resp: 212502
Ion Ratio Lower Upper
168 100
99 63.5 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 50 Resp: 681
Ion Ratio Lower Upper
50 100
52 24.6 26.2 39.2#



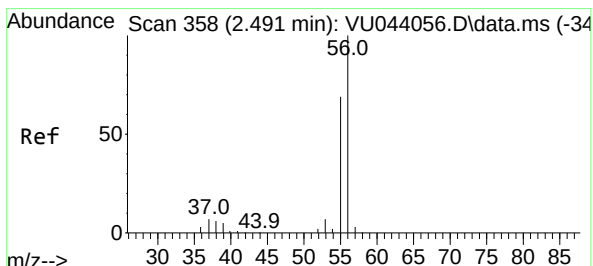
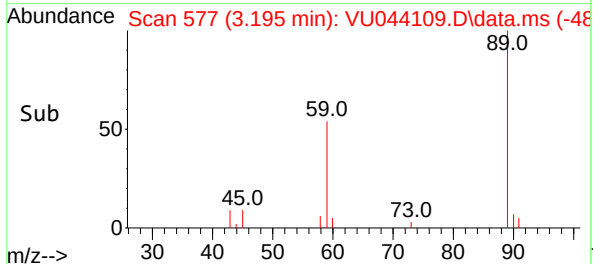
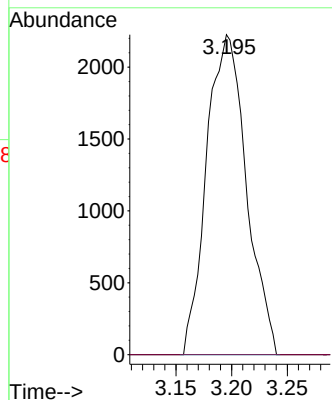
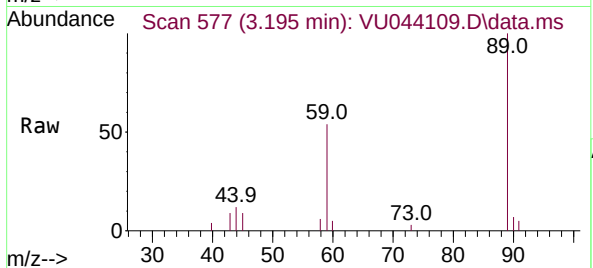


#11

Tert butyl alcohol
Concen: 6.038 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Instrument :
MSVOA_U
ClientSampled :

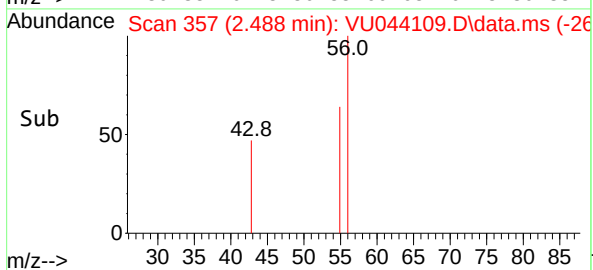
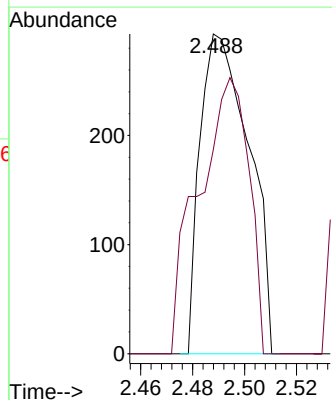
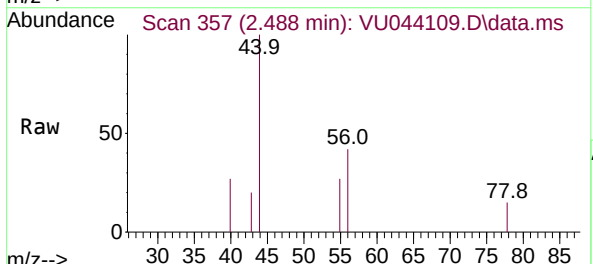
Tgt Ion: 59 Resp: 5540
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

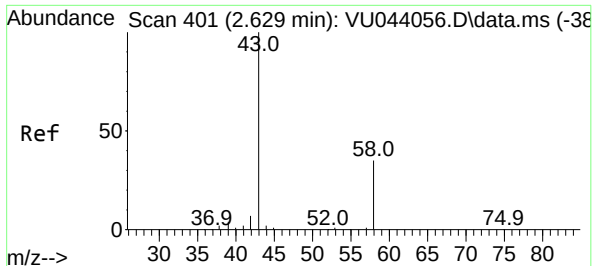


#13

Acrolein
Concen: 0.532 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 56 Resp: 384
Ion Ratio Lower Upper
56 100
55 88.8 56.1 84.1#

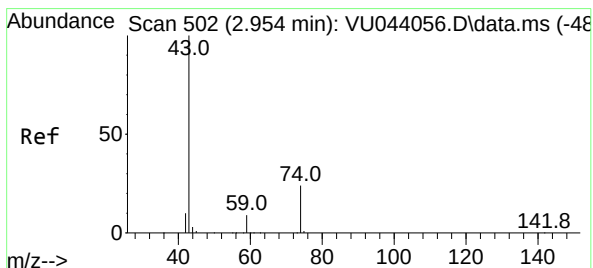
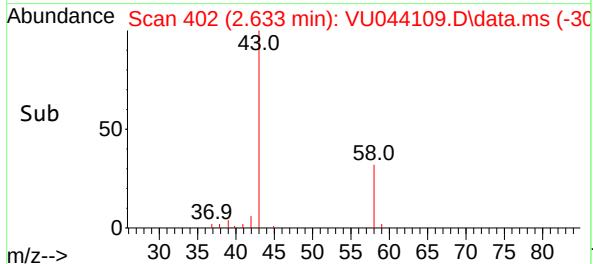
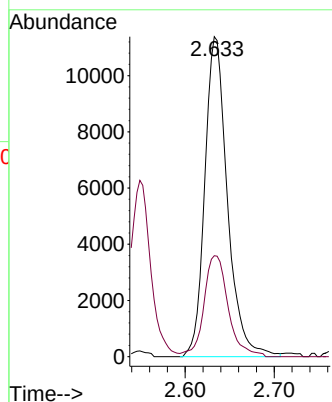
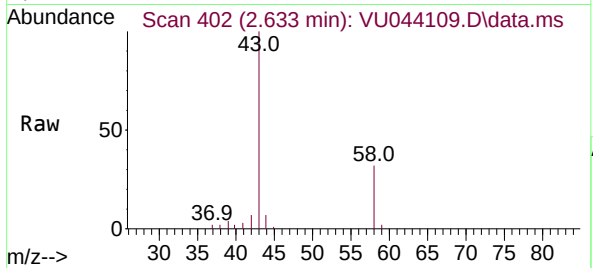




#16
Acetone
Concen: 9.398 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

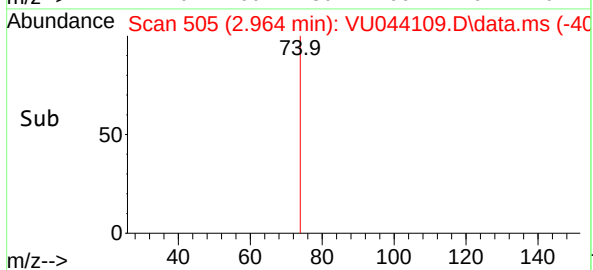
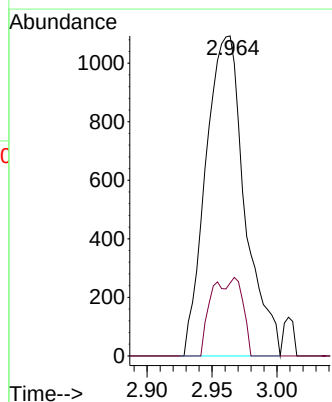
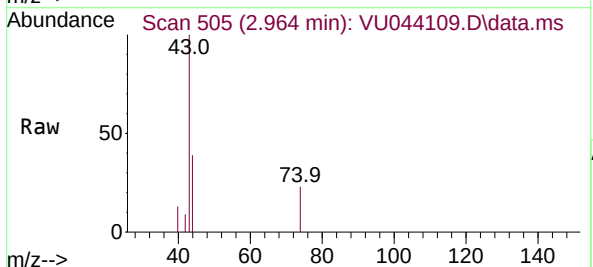
Instrument :
MSVOA_U
ClientSampled :

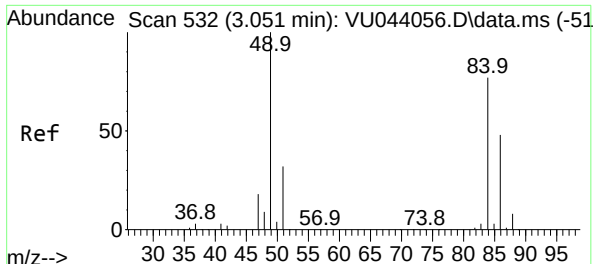
Tgt Ion: 43 Resp: 20074
Ion Ratio Lower Upper
43 100
58 31.6 27.7 41.5



#18
Methyl Acetate
Concen: 0.485 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

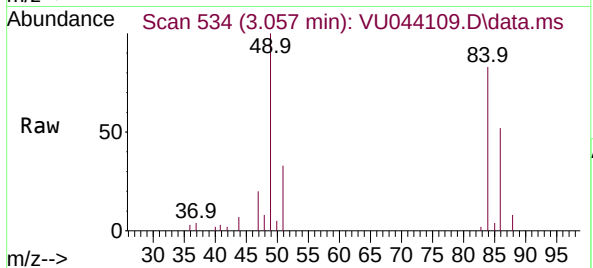
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
74 10.5 18.7 28.1#



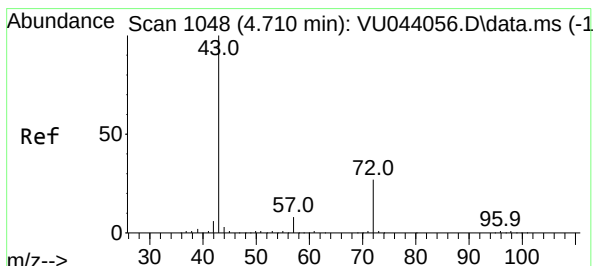
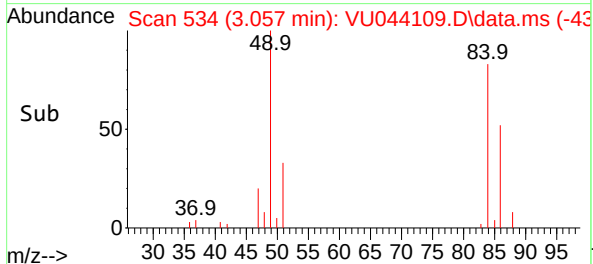
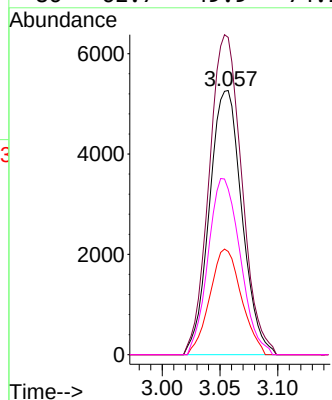


#20
Methylene Chloride
Concen: 1.572 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Instrument :
MSVOA_U
ClientSampleId :

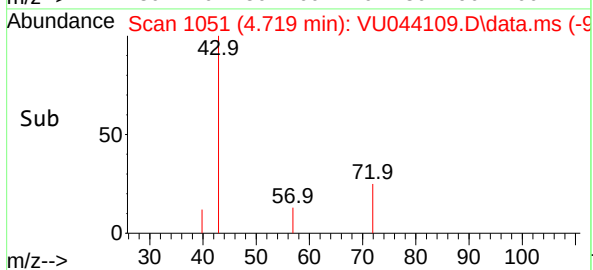
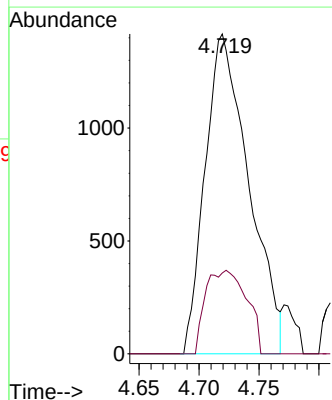
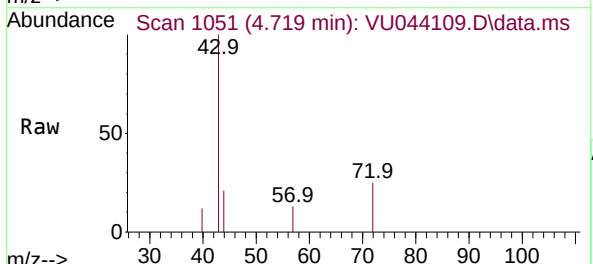


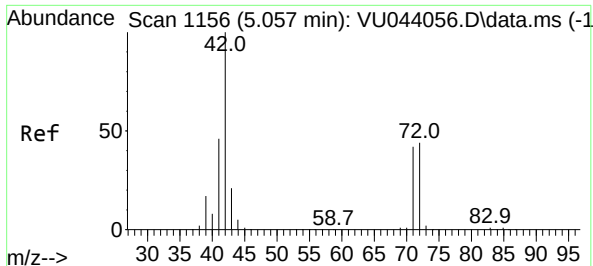
Tgt Ion:	84	Resp:	10305
Ion	Ratio	Lower	Upper
84	100		
49	120.1	103.6	155.4
51	39.1	32.8	49.2
86	62.7	49.9	74.9



#25
2-Butanone
Concen: 1.178 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion:	43	Resp:	3589
Ion	Ratio	Lower	Upper
43	100		
72	25.3	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.538 ug/l

RT: 5.067 min Scan# 1159

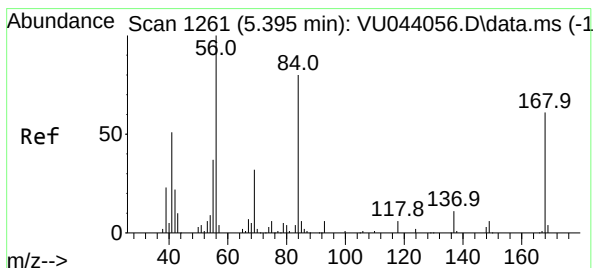
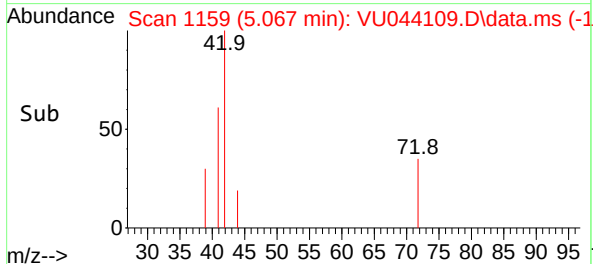
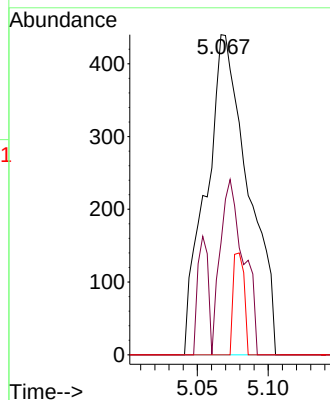
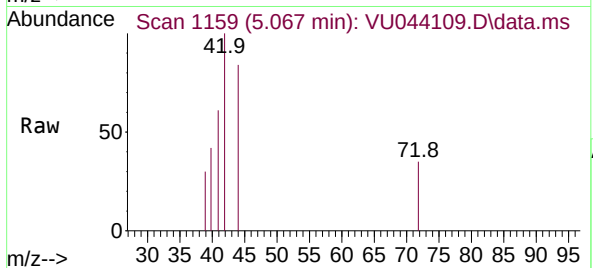
Delta R.T. 0.010 min

Lab File: VU044109.D

Acq: 08 Jun 2021 12:41

Tgt Ion:	42	Resp:	910
Ion	Ratio	Lower	Upper
42	100		
72	30.3	35.6	53.4#
71	8.2	33.3	49.9#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 0.967 ug/l

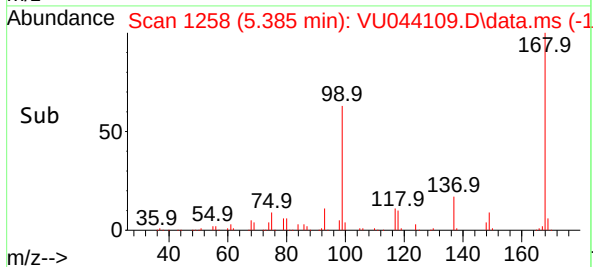
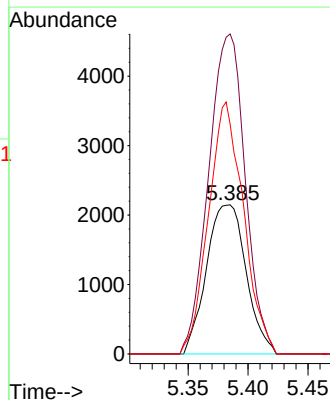
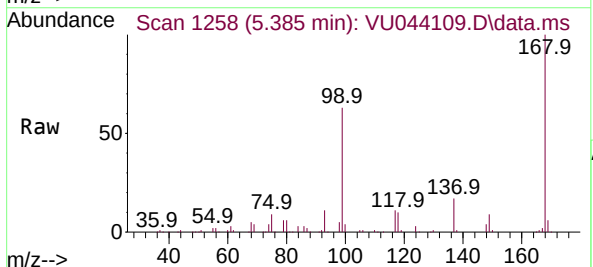
RT: 5.385 min Scan# 1258

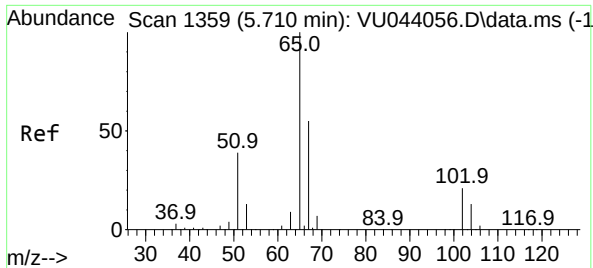
Delta R.T. -0.010 min

Lab File: VU044109.D

Acq: 08 Jun 2021 12:41

Tgt Ion:	56	Resp:	4938
Ion	Ratio	Lower	Upper
56	100		
69	214.6	25.4	38.2#
84	154.2	64.2	96.2#

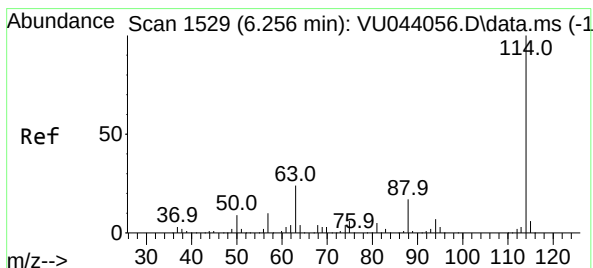
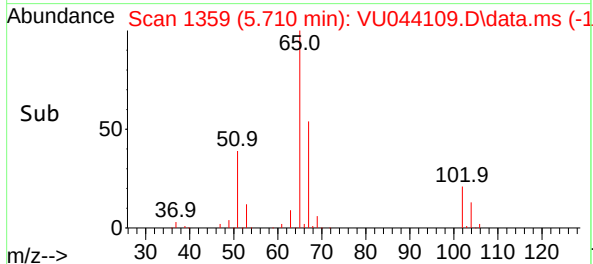
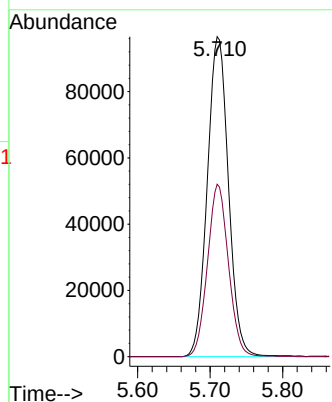
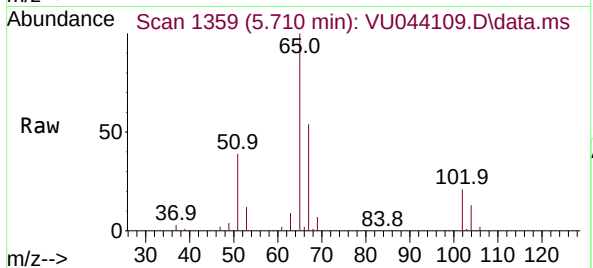




#33
1,2-Dichloroethane-d4
Concen: 52.917 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

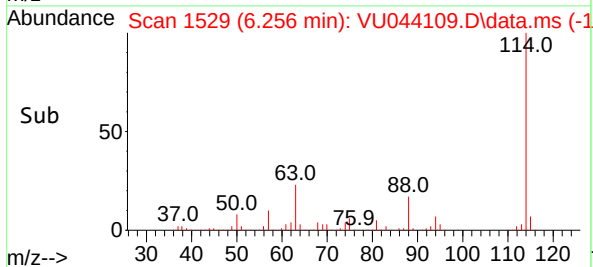
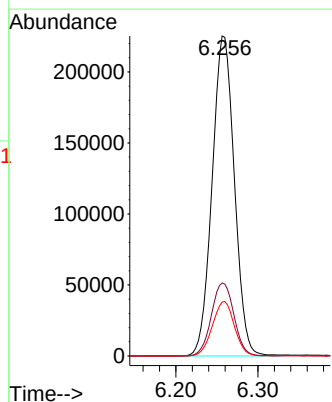
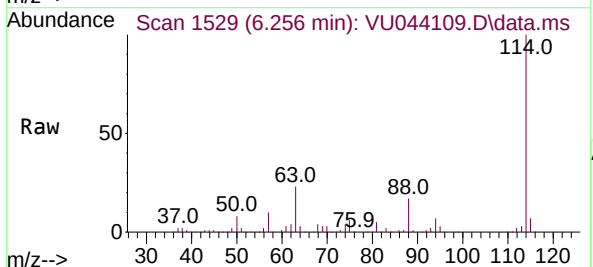
Instrument :
MSVOA_U
ClientSampled :

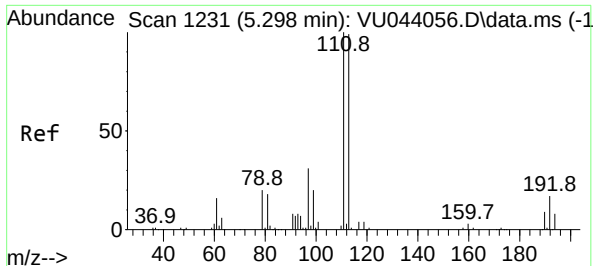
Tgt Ion: 65 Resp: 195839
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 114 Resp: 424920
Ion Ratio Lower Upper
114 100
63 22.8 0.0 48.4
88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.662 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044109.D

Acq: 08 Jun 2021 12:41

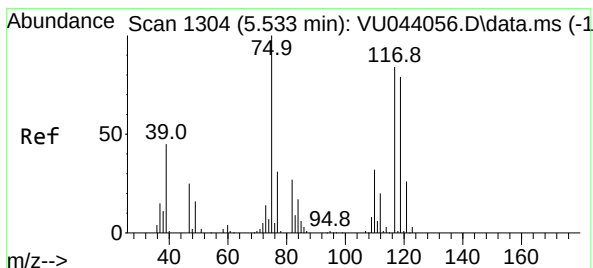
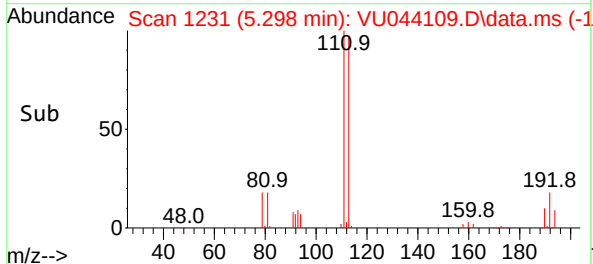
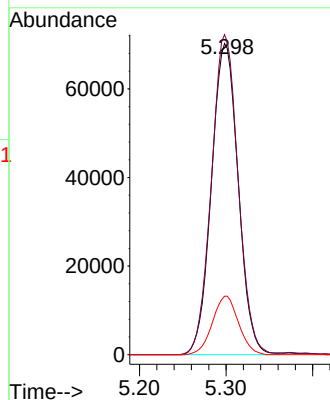
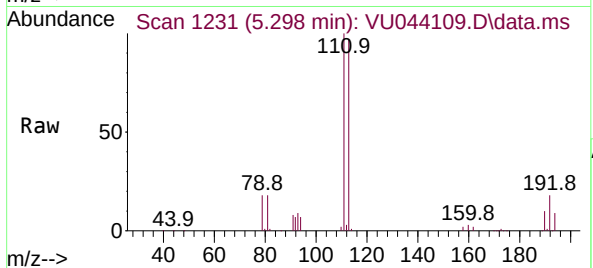
Tgt Ion:113 Resp: 150592

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 18.4 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.124 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044109.D

Acq: 08 Jun 2021 12:41

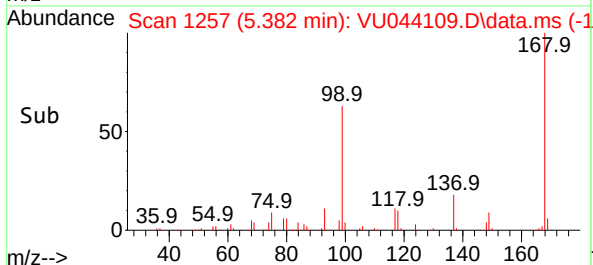
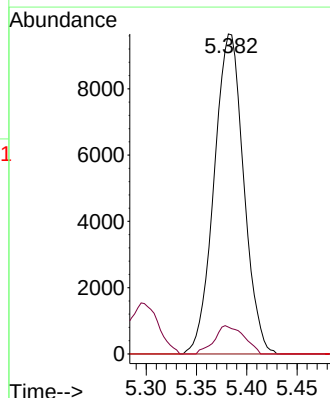
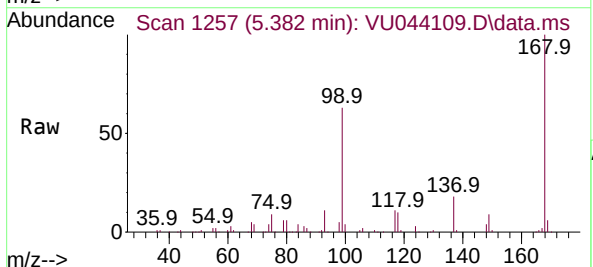
Tgt Ion: 75 Resp: 19744

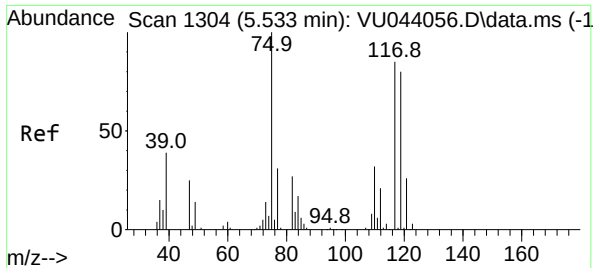
Ion Ratio Lower Upper

75 100

110 8.8 15.9 47.7#

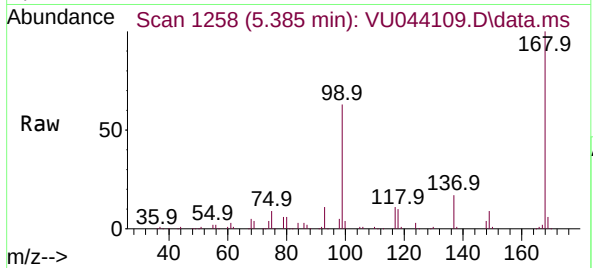
77 0.0 25.0 37.4#



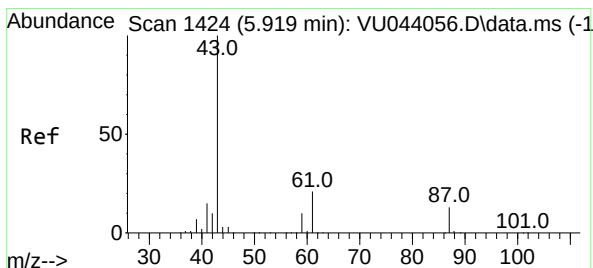
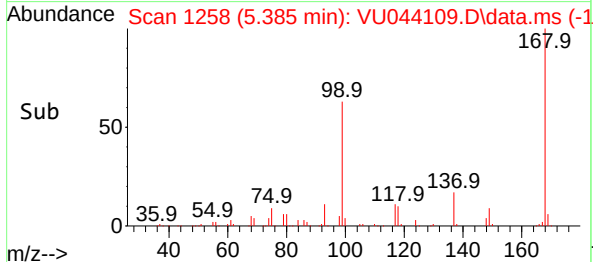
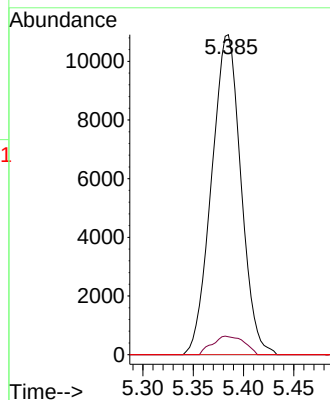


#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Instrument :
MSVOA_U
ClientSampled :

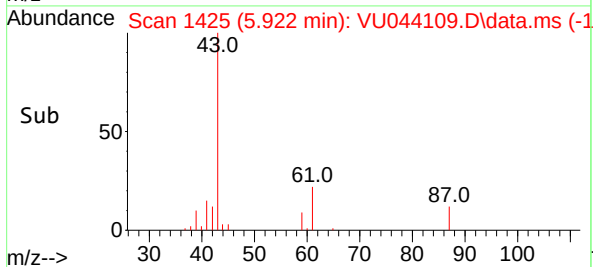
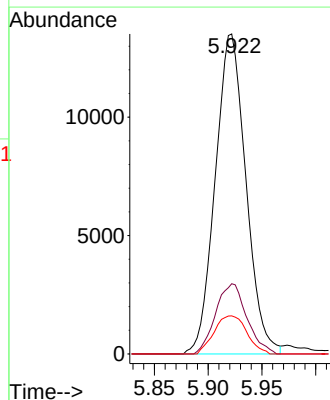
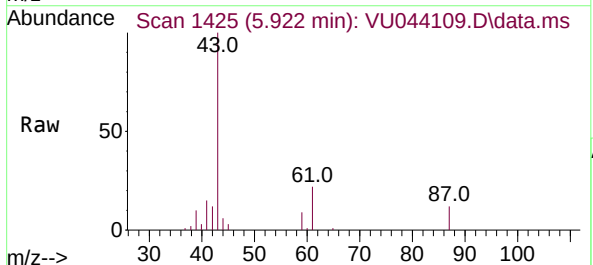


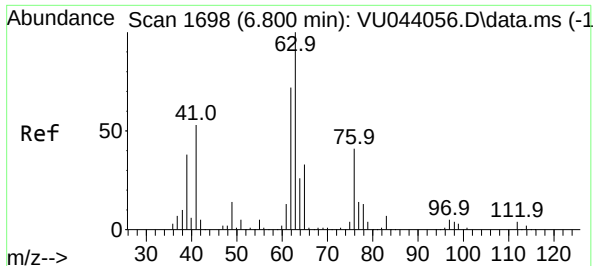
Tgt Ion:117 Resp: 22151
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.145 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 43 Resp: 26816
Ion Ratio Lower Upper
43 100
61 22.3 16.8 25.2
87 12.7 10.2 15.2

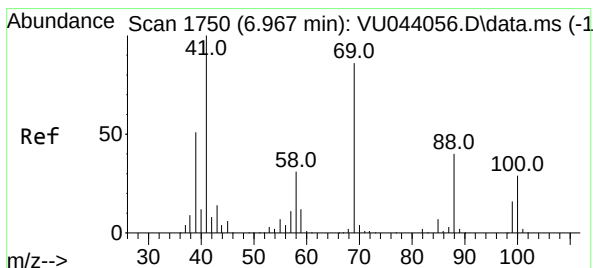
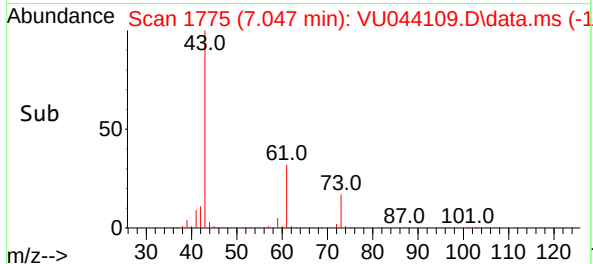
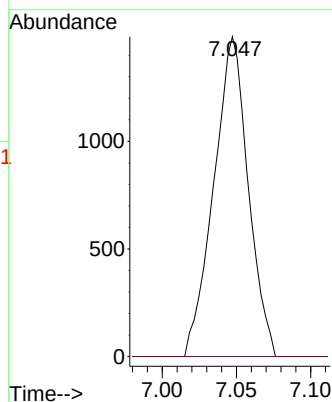
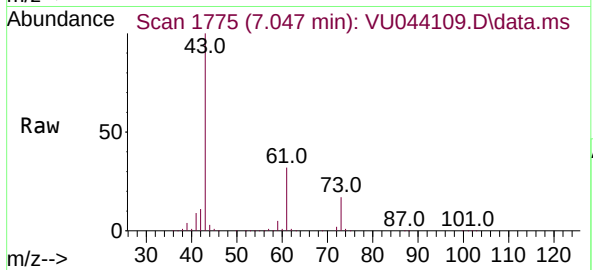




#45
1,2-Dichloropropane
Concen: 0.609 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

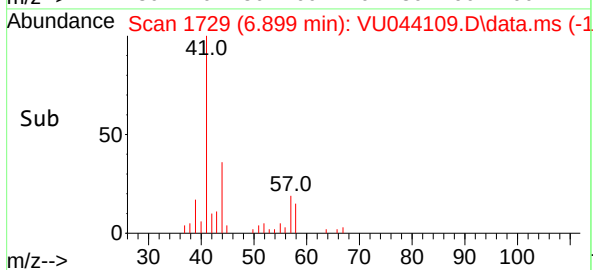
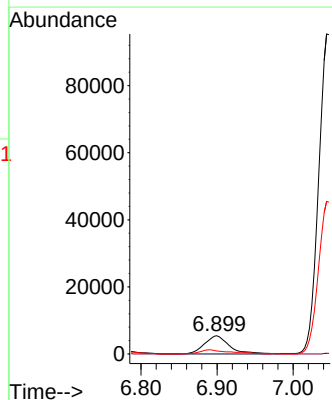
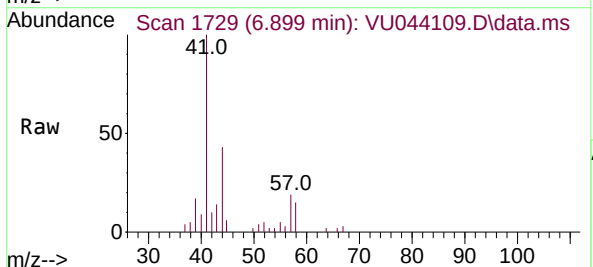
Instrument :
MSVOA_U
ClientSampled :

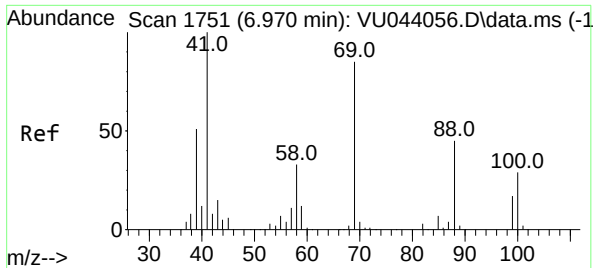
Tgt Ion: 63 Resp: 2400
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#



#48
Methyl methacrylate
Concen: 2.947 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 41 Resp: 12391
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 22.8 40.6 60.8#





#49

1,4-Dioxane

Concen: 2.428 ug/l

RT: 7.050 min Scan# 1776

Delta R.T. 0.080 min

Lab File: VU044109.D

Acq: 08 Jun 2021 12:41

Tgt Ion: 88 Resp: 251

Ion Ratio Lower Upper

88 100

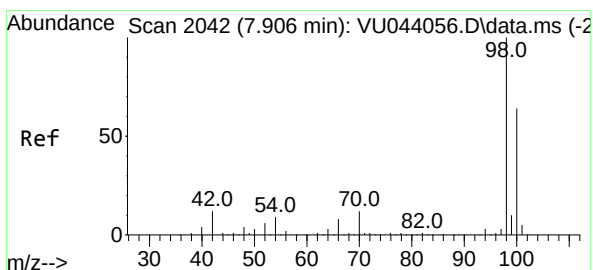
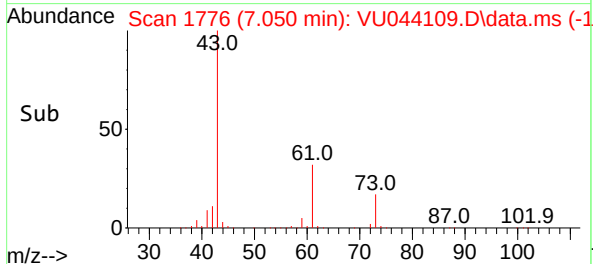
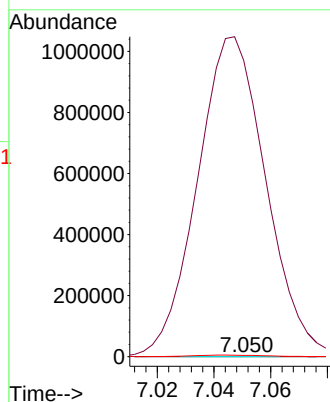
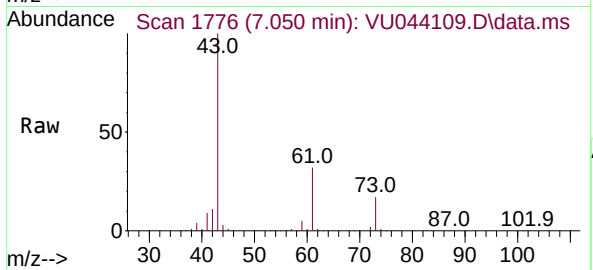
43 712299.6 25.0 37.4#

58 3914.7 60.0 90.0#

Instrument :

MSVOA_U

ClientSampleId :



#50

Toluene-d8

Concen: 50.920 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044109.D

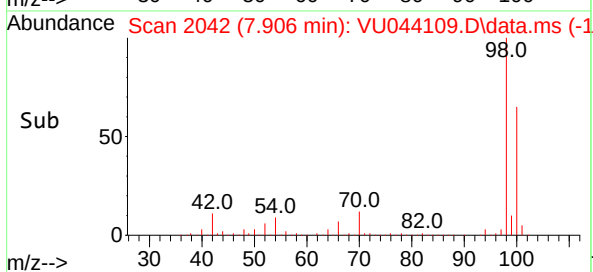
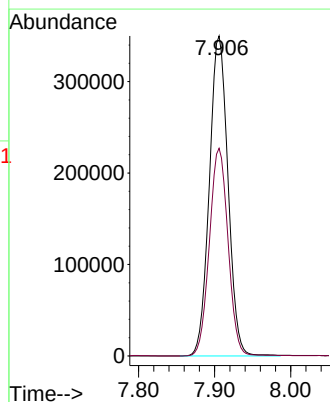
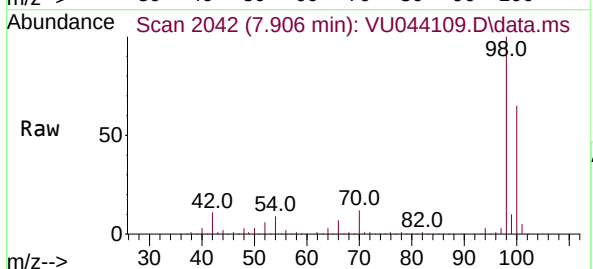
Acq: 08 Jun 2021 12:41

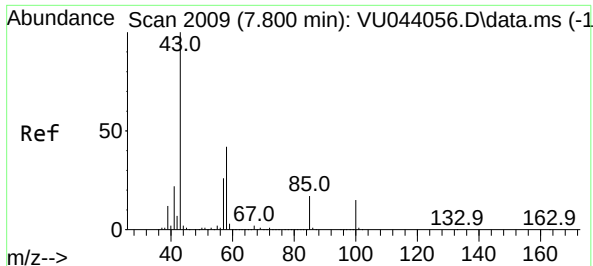
Tgt Ion: 98 Resp: 595575

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4

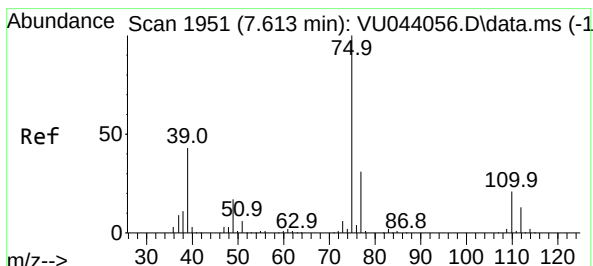
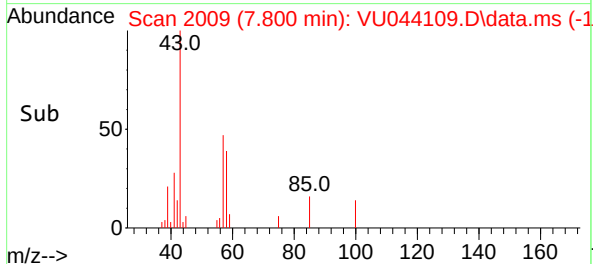
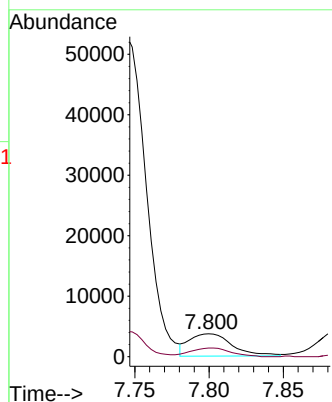
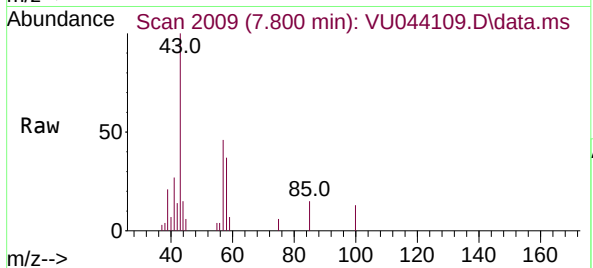




#51
4-Methyl-2-Pentanone
Concen: 1.172 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

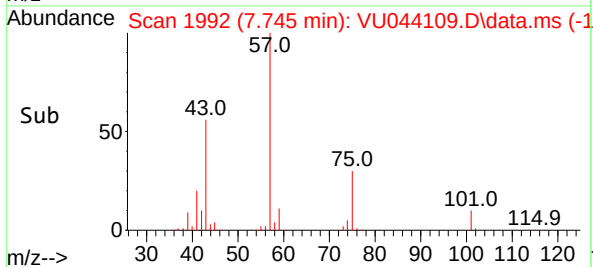
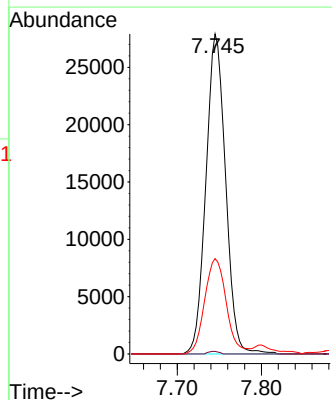
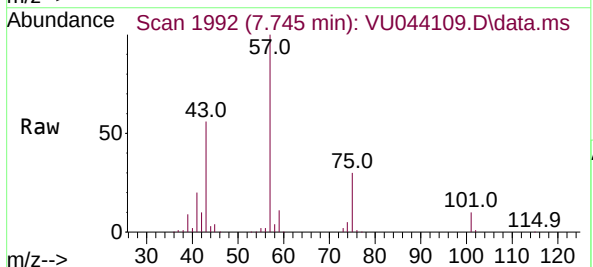
Instrument :
MSVOA_U
ClientSampled :

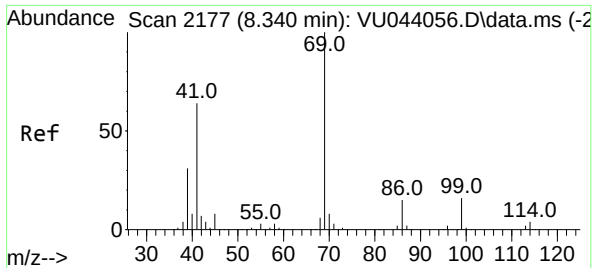
Tgt Ion: 43 Resp: 7423
Ion Ratio Lower Upper
43 100
58 36.9 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.751 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 75 Resp: 45374
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 29.8 34.7 52.1#

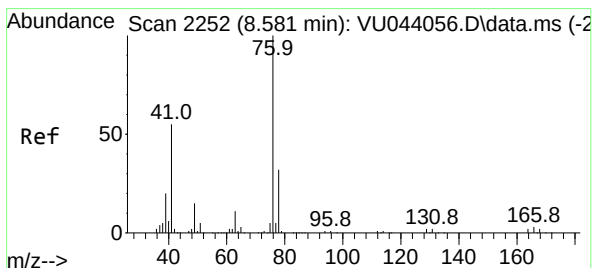
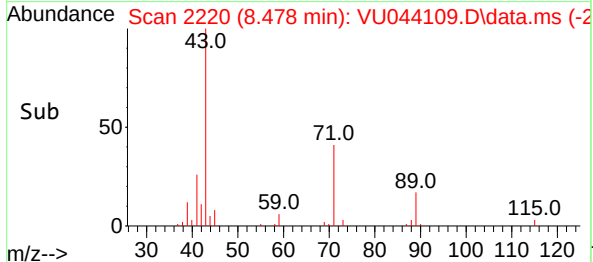
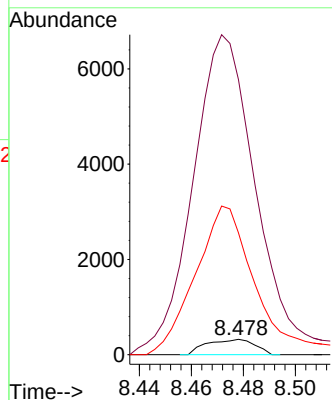
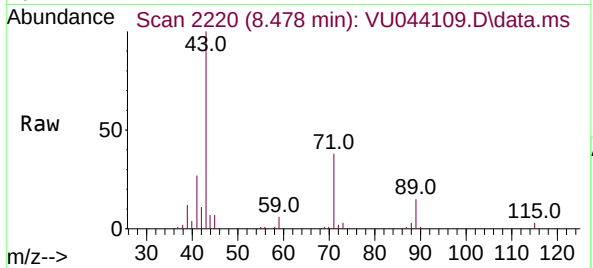




#56
Ethyl methacrylate
Concen: 3.446 ug/l
RT: 8.478 min Scan# 2220
Delta R.T. 0.138 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

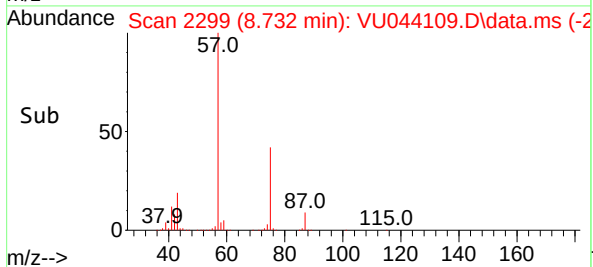
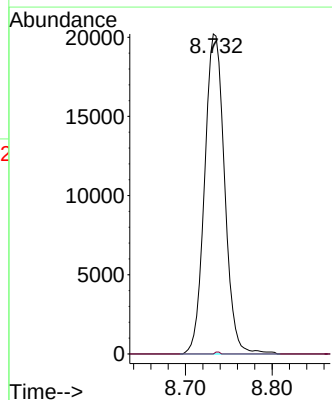
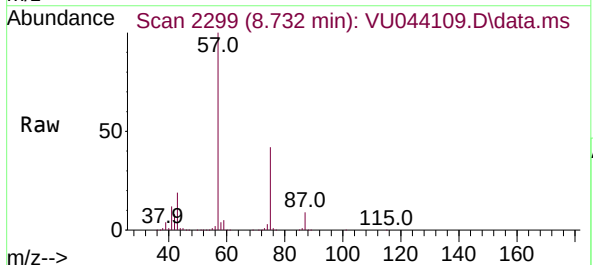
Instrument :
MSVOA_U
ClientSampled :

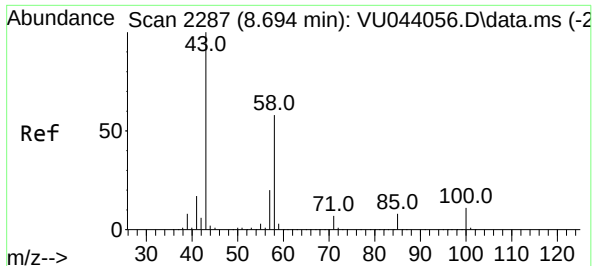
Tgt Ion: 69 Resp: 412
Ion Ratio Lower Upper
69 100
41 2783.7 51.4 77.0#
39 1244.2 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 5.024 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 76 Resp: 32386
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

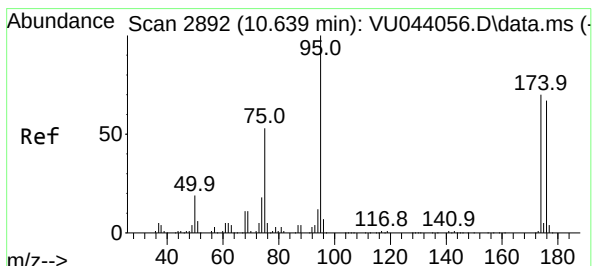
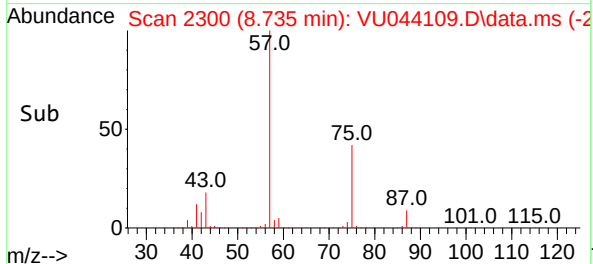
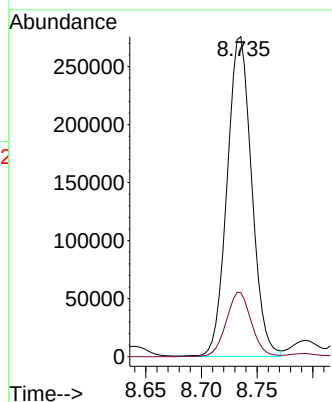
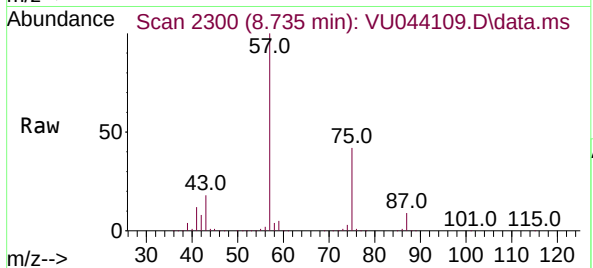




#59
2-Hexanone
Concen: 86.235 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

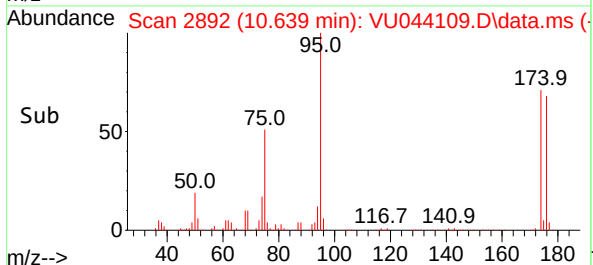
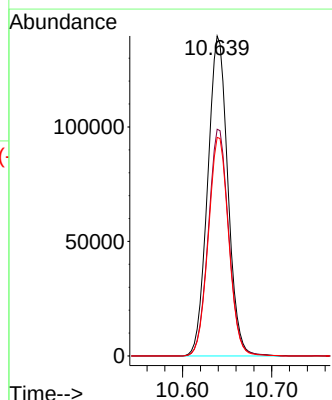
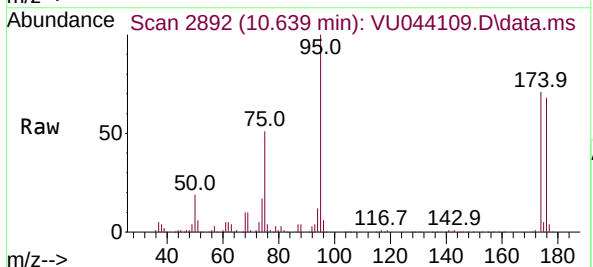
Instrument :
MSVOA_U
ClientSampled :

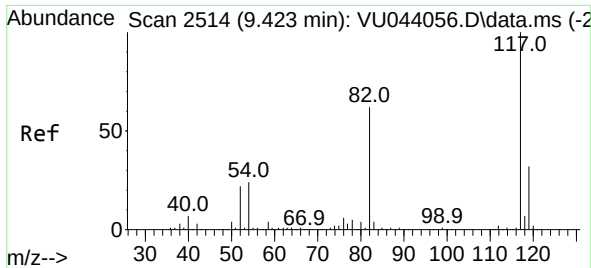
Tgt Ion: 43 Resp: 424400
Ion Ratio Lower Upper
43 100
58 20.6 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 47.491 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 95 Resp: 219920
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.0
176 69.0 0.0 135.2

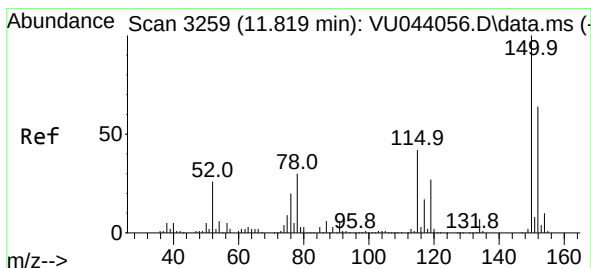
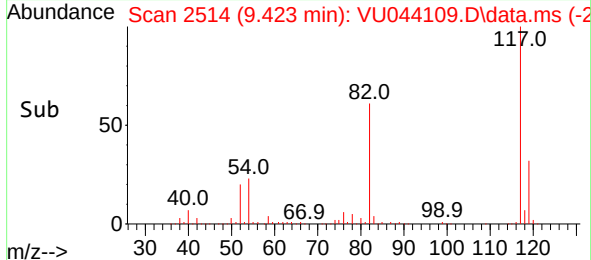
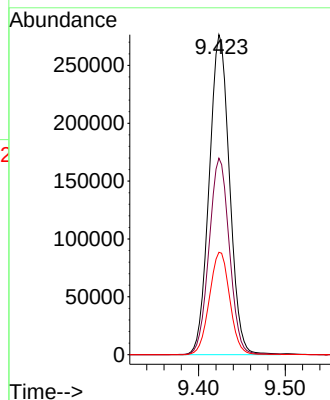
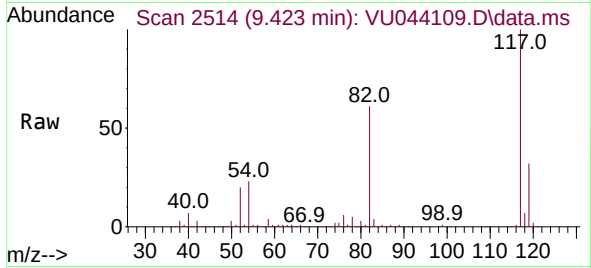




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

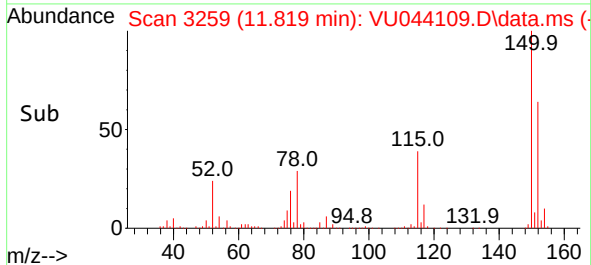
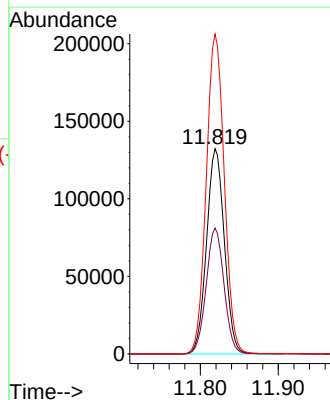
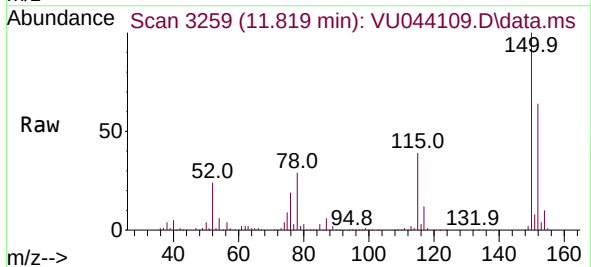
Instrument :
MSVOA_U
ClientSampled :

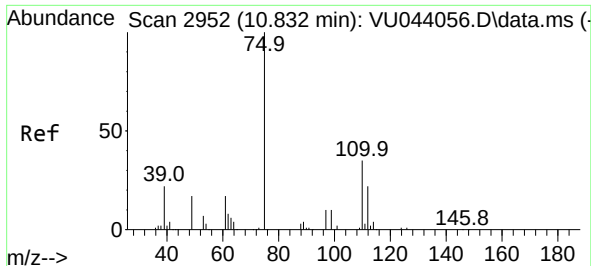
Tgt Ion:117 Resp: 450993
Ion Ratio Lower Upper
117 100
82 61.3 50.0 75.0
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion:152 Resp: 210294
Ion Ratio Lower Upper
152 100
115 61.5 44.6 134.0
150 157.2 0.0 347.8

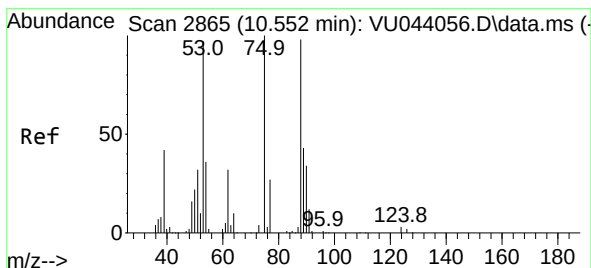
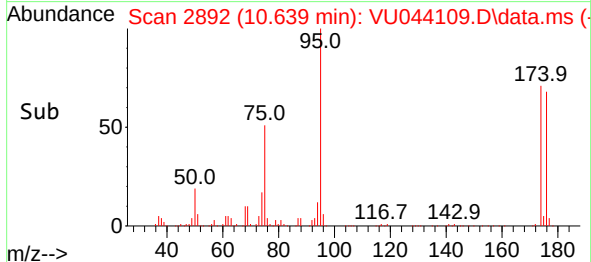
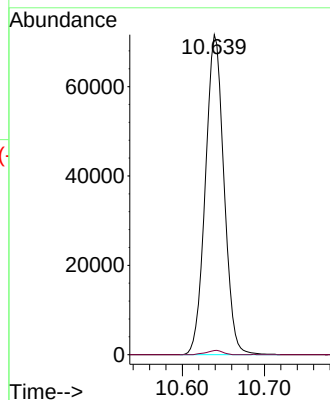
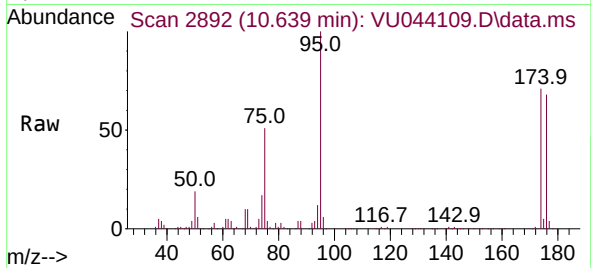




#76
1,2,3-Trichloropropane
Concen: 19.137 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

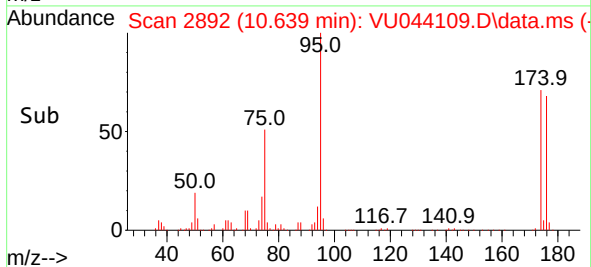
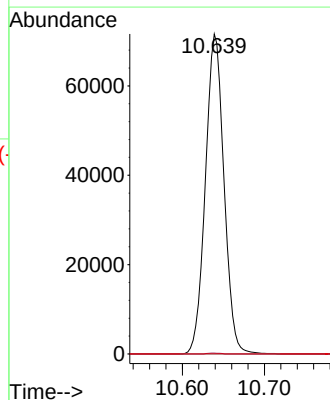
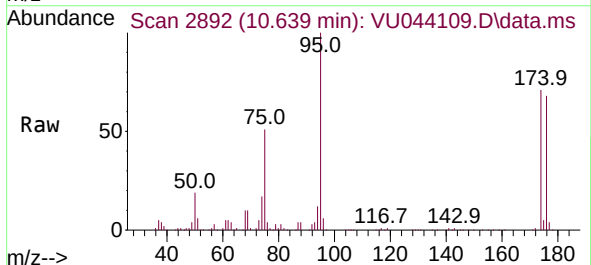
Instrument :
MSVOA_U
ClientSampled :

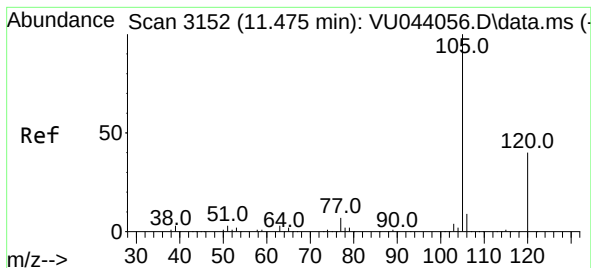
Tgt Ion: 75 Resp: 112580
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.880 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044109.D
Acq: 08 Jun 2021 12:41

Tgt Ion: 75 Resp: 112580
Ion Ratio Lower Upper
75 100
53 0.2 76.9 115.3#
89 0.0 33.8 50.8#

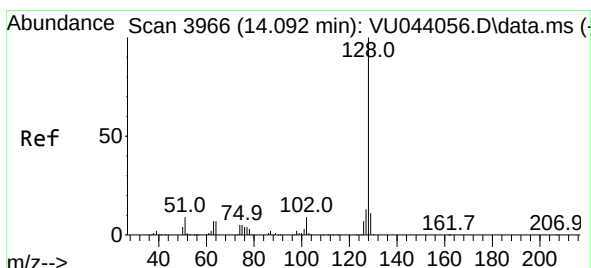
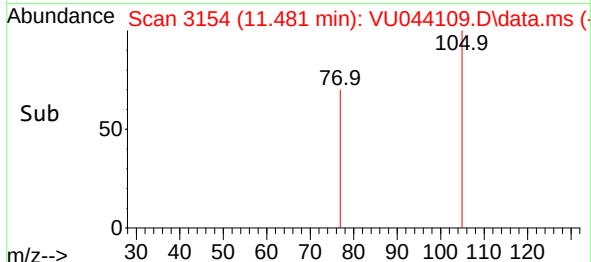
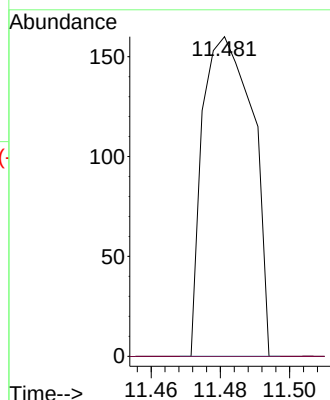
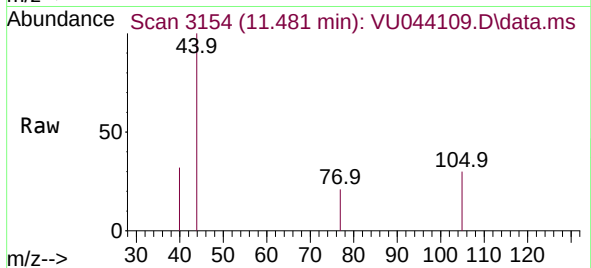




#84
 1,2,4-Trimethylbenzene
 Concen: 0.960 ug/l
 RT: 11.481 min Scan# 3154
 Delta R.T. 0.006 min
 Lab File: VU044109.D
 Acq: 08 Jun 2021 12:41

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion:105 Resp: 160
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.9 65.7#



#95
 Naphthalene
 Concen: 2.866 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.003 min
 Lab File: VU044109.D
 Acq: 08 Jun 2021 12:41

Tgt Ion:128 Resp: 305
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.7 13.1#

