

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044153.D
 Acq On : 10 Jun 2021 14:13
 Operator : SY/MD
 Sample : M2637-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:20:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

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

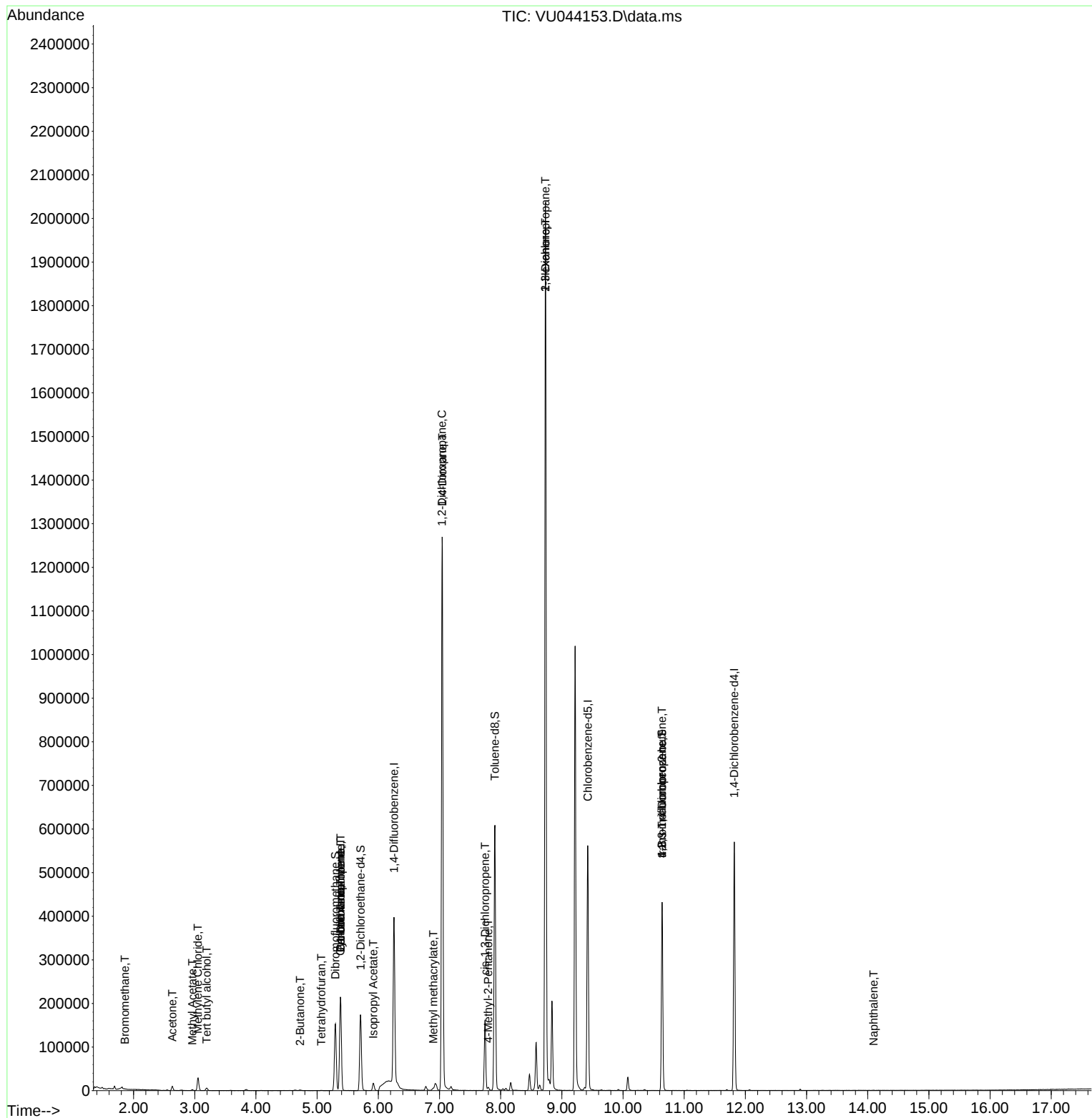
Internal Standards						
1) Pentafluorobenzene	5.382	168	139825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	295324	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	301412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	143508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	126893	57.067	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.140%	
35) Dibromofluoromethane	5.298	113	98759	48.073	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.140%	
50) Toluene-d8	7.906	98	390313	49.471	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.940%	
62) 4-Bromofluorobenzene	10.639	95	148694	47.028	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	585	Below Cal	#	88
5) Bromomethane	1.858	94	228	0.235	ug/l	96
6) Chloroethane	1.913	64	50	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	4005	6.695	ug/l	# 73
13) Acrolein	2.494	56	373	Below Cal		85
16) Acetone	2.633	43	11288	7.757	ug/l	98
18) Methyl Acetate	2.961	43	2737	0.957	ug/l	# 88
20) Methylene Chloride	3.051	84	14147	6.005	ug/l	97
25) 2-Butanone	4.719	43	2261	1.218	ug/l	95
29) Tetrahydrofuran	5.070	42	384	0.381	ug/l	# 57
31) Cyclohexane	5.379	56	3349	1.067	ug/l	# 1
36) 1,1-Dichloropropene	5.382	75	12796	3.894	ug/l	# 50
38) Carbon Tetrachloride	5.382	117	15170	5.114	ug/l	# 17
43) Isopropyl Acetate	5.919	43	17469	3.129	ug/l	99
45) 1,2-Dichloropropane	7.041	63	1541	0.583	ug/l	# 43
48) Methyl methacrylate	6.899	41	6545	2.409	ug/l	# 11
49) 1,4-Dioxane	7.047	88	20	0.281	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.797	43	4503	1.114	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	28879	7.293	ug/l	# 66
57) 1,3-Dichloropropane	8.732	76	20531	4.774	ug/l	# 42
59) 2-Hexanone	8.732	43	259063	80.343	ug/l	# 48
76) 1,2,3-Trichloropropane	10.639	75	76482	15.896	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.639	75	76482	57.621	ug/l	# 13
95) Naphthalene	14.095	128	594	2.891	ug/l	# 69

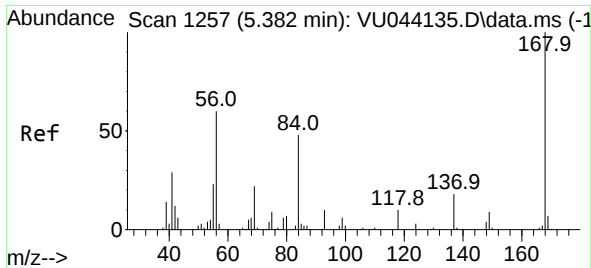
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:20:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

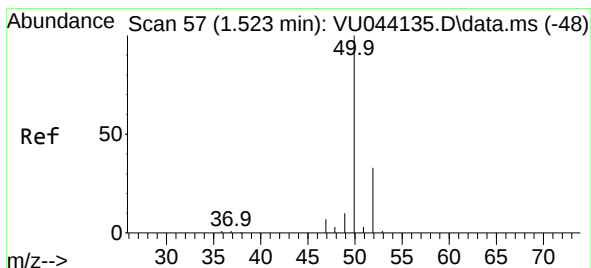
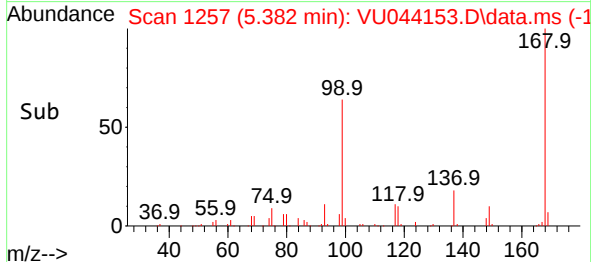
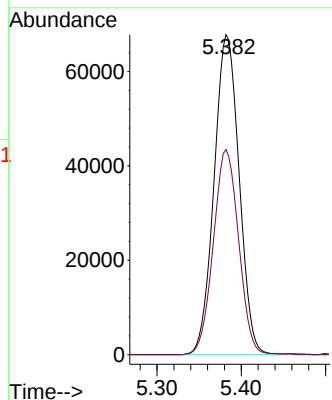
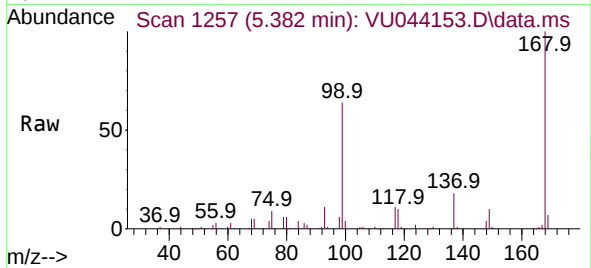




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

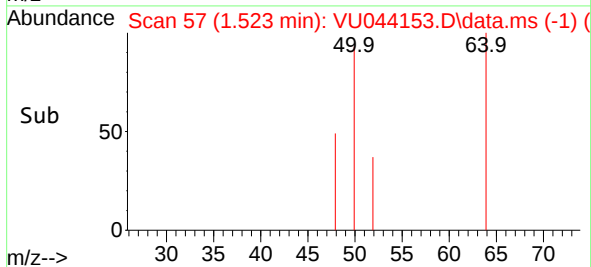
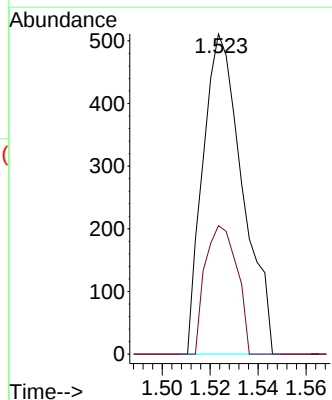
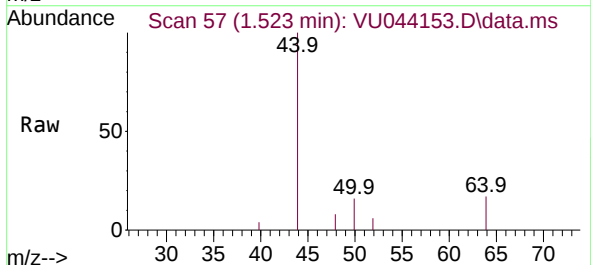
Instrument :
MSVOA_U
ClientSampled :

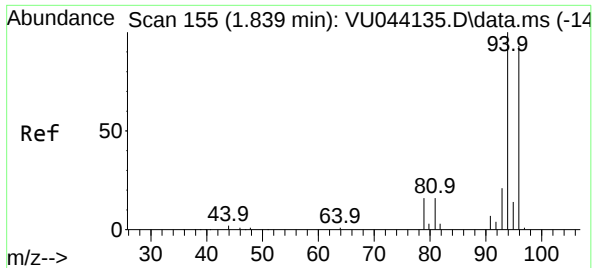
Tgt Ion:168 Resp: 139825
Ion Ratio Lower Upper
168 100
99 64.1 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 50 Resp: 585
Ion Ratio Lower Upper
50 100
52 40.1 26.6 39.8#

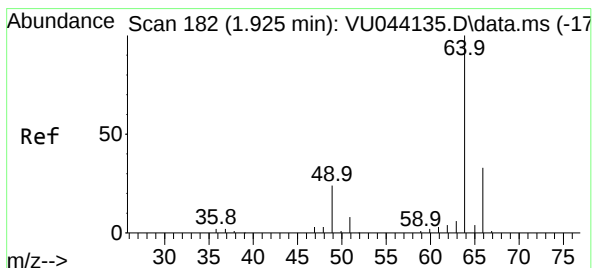
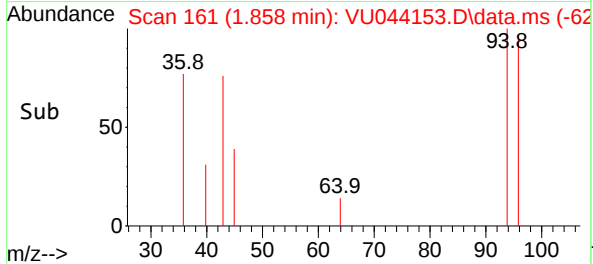
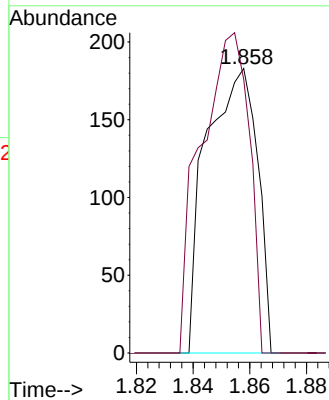
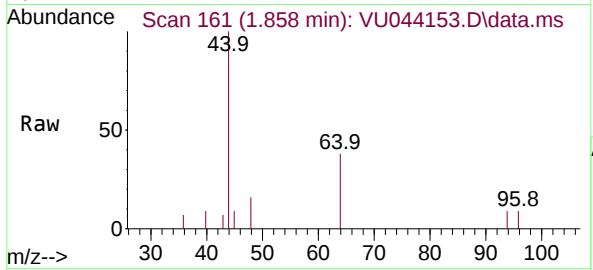




#5
Bromomethane
Concen: 0.235 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.019 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

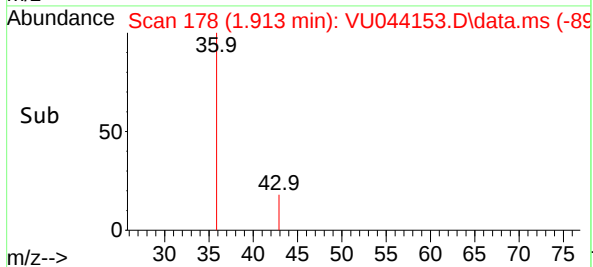
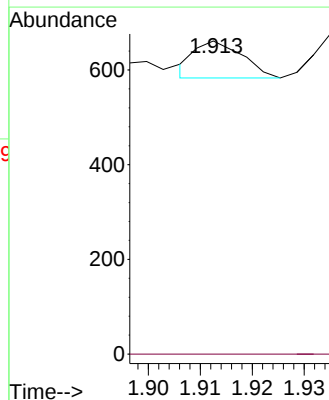
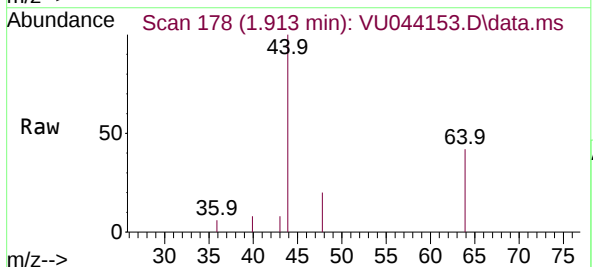
Instrument :
MSVOA_U
ClientSampleId :

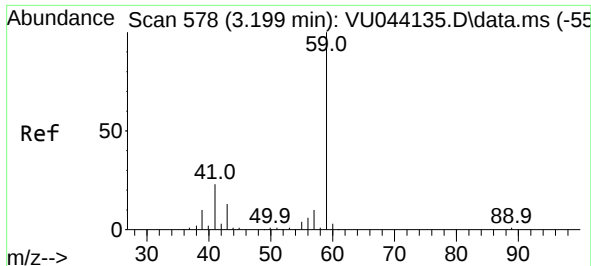
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 96.2 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.913 min Scan# 178
Delta R.T. -0.012 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 6.695 ug/l

RT: 3.195 min Scan# 577

Delta R.T. -0.004 min

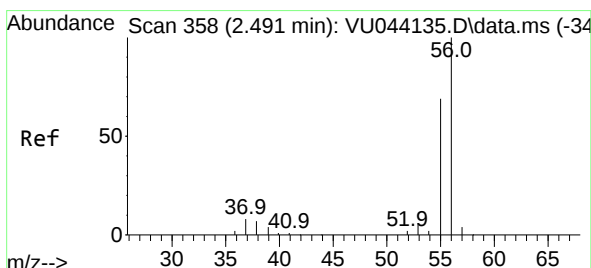
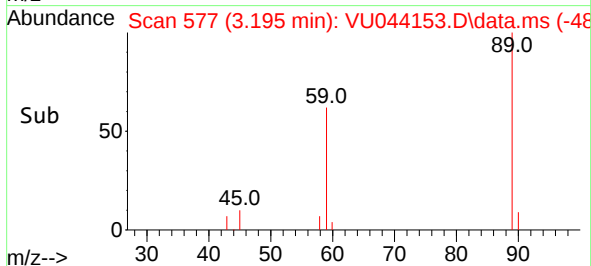
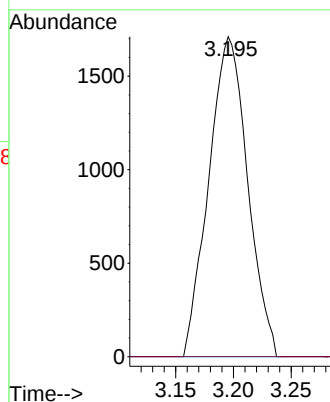
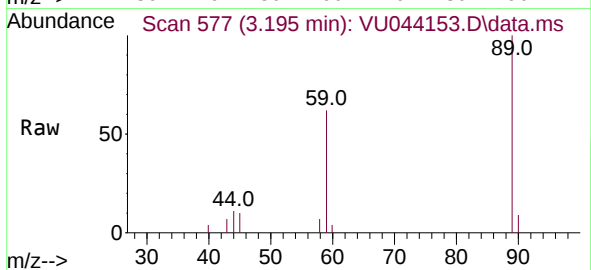
Lab File: VU044153.D

Acq: 10 Jun 2021 14:13

Tgt Ion: 59 Resp: 4005

Ion Ratio Lower Upper

59 100
57 0.0 8.0 12.0#



#13

Acrolein

Concen: Below Cal

RT: 2.494 min Scan# 359

Delta R.T. 0.003 min

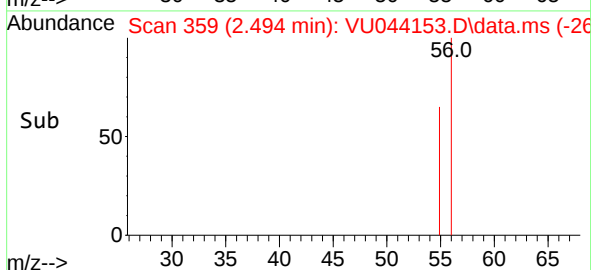
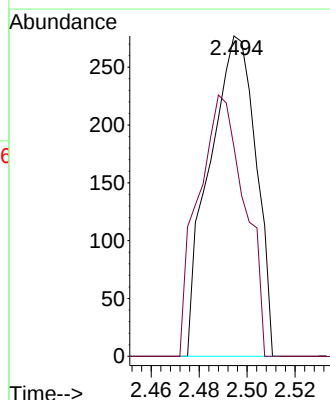
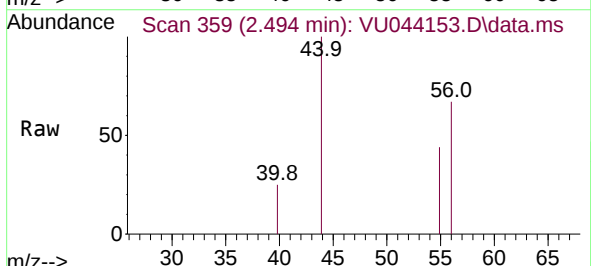
Lab File: VU044153.D

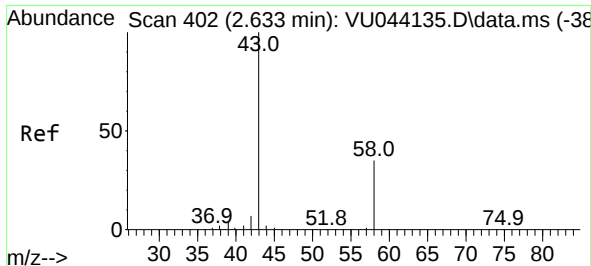
Acq: 10 Jun 2021 14:13

Tgt Ion: 56 Resp: 373

Ion Ratio Lower Upper

56 100
55 81.5 55.1 82.7

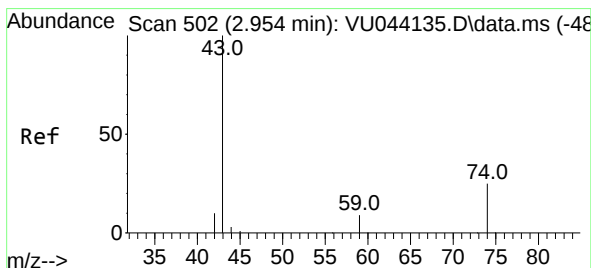
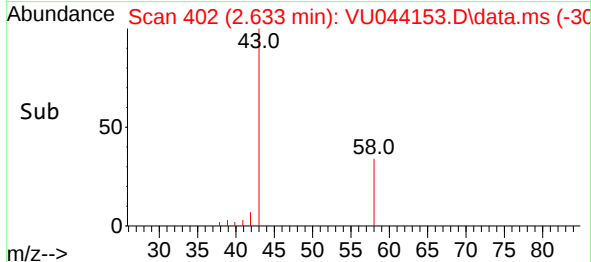
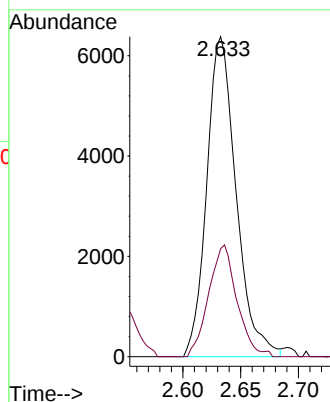
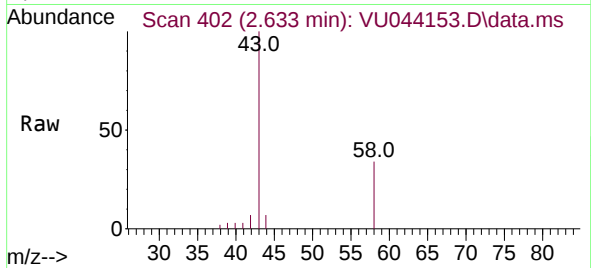




#16
Acetone
Concen: 7.757 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

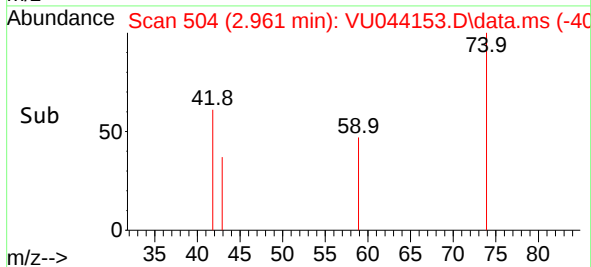
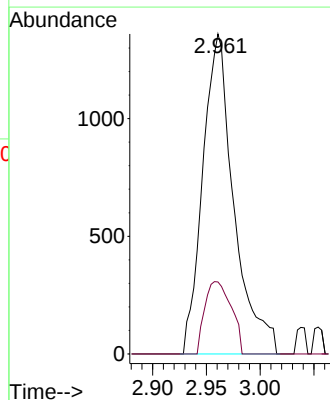
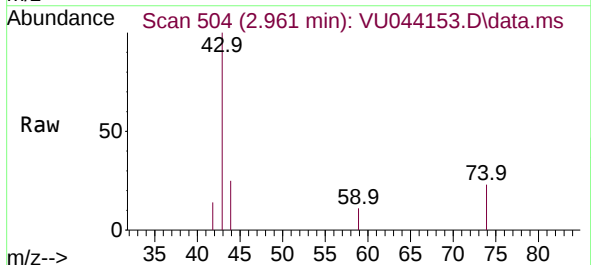
Instrument :
MSVOA_U
ClientSampled :

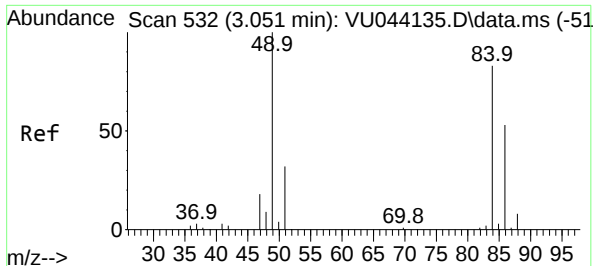
Tgt Ion: 43 Resp: 11288
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.957 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 43 Resp: 2737
Ion Ratio Lower Upper
43 100
74 19.1 20.3 30.5#

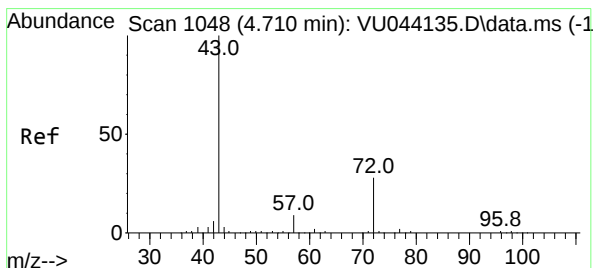
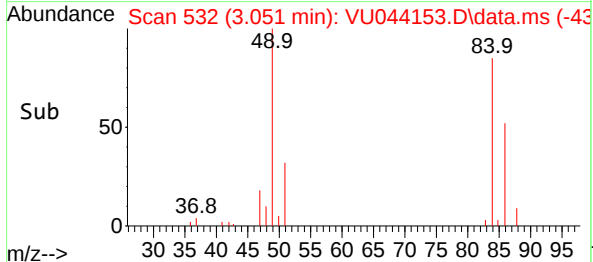
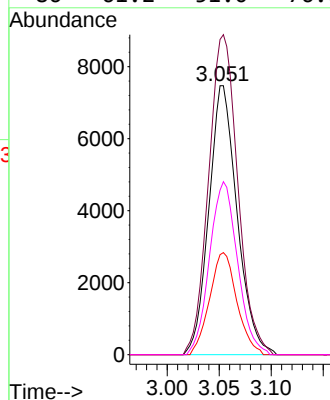
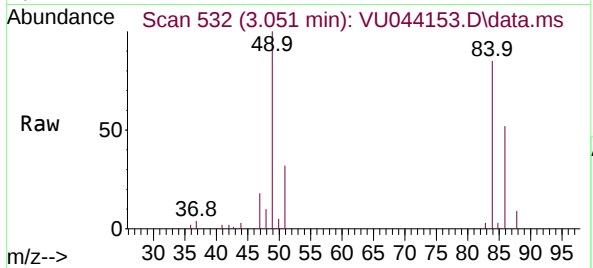




#20
Methylene Chloride
Concen: 6.005 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

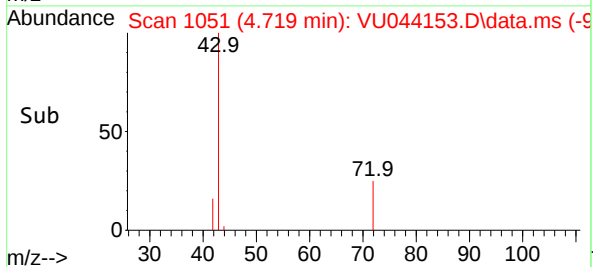
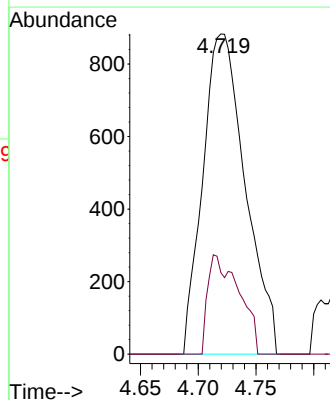
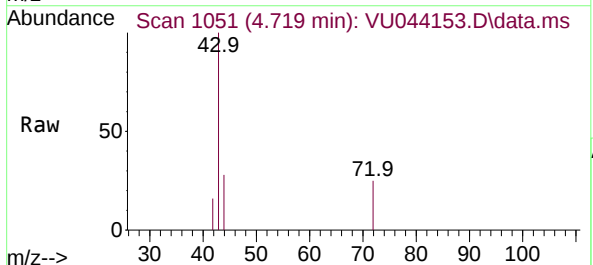
Instrument :
MSVOA_U
ClientSampleId :

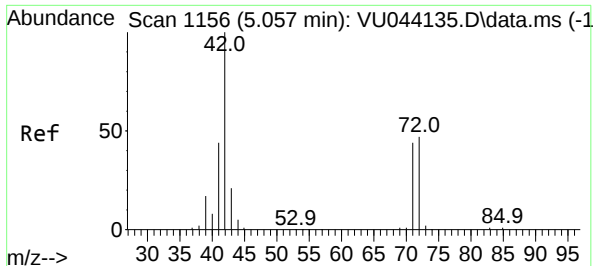
Tgt Ion:	84	Resp:	14147
Ion	Ratio	Lower	Upper
84	100		
49	117.2	96.9	145.3
51	37.2	31.0	46.6
86	61.2	51.0	76.6



#25
2-Butanone
Concen: 1.218 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion:	43	Resp:	2261
Ion	Ratio	Lower	Upper
43	100		
72	25.5	22.6	33.8





#29

Tetrahydrofuran

Concen: 0.381 ug/l

RT: 5.070 min Scan# 1160

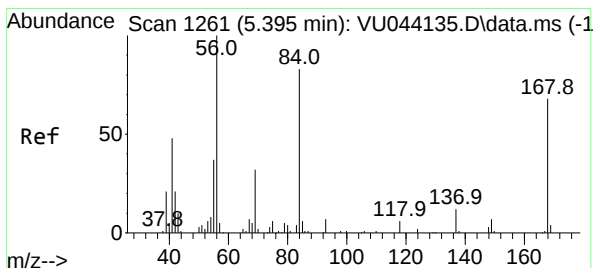
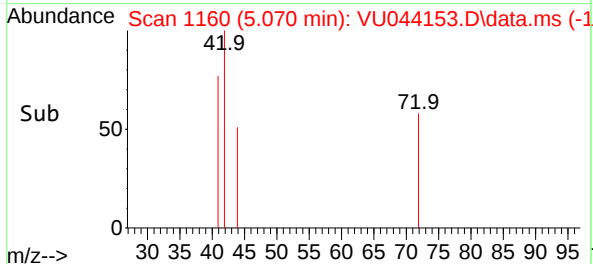
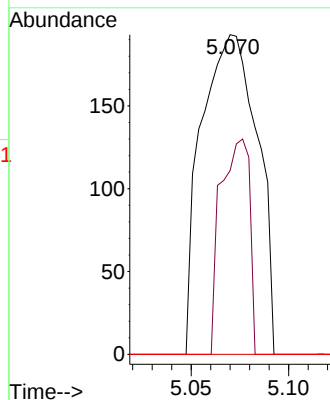
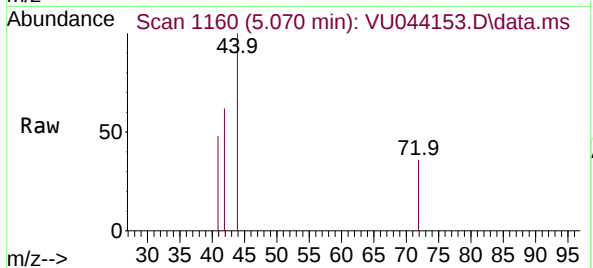
Delta R.T. 0.013 min

Lab File: VU044153.D

Acq: 10 Jun 2021 14:13

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 42	Resp: 384
Ion Ratio	Lower Upper
42	100
72	34.9 38.6 57.8#
71	0.0 35.5 53.3#



#31

Cyclohexane

Concen: 1.067 ug/l

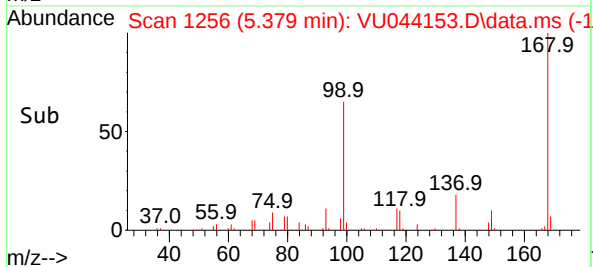
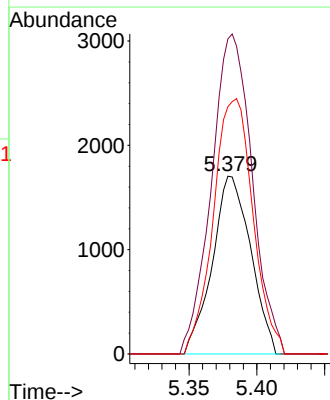
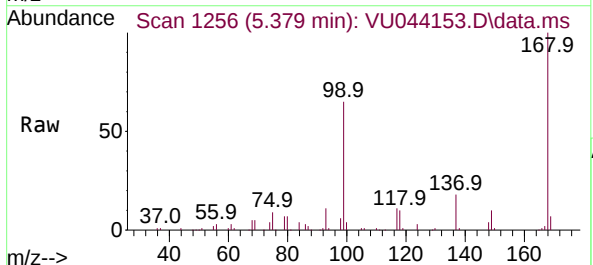
RT: 5.379 min Scan# 1256

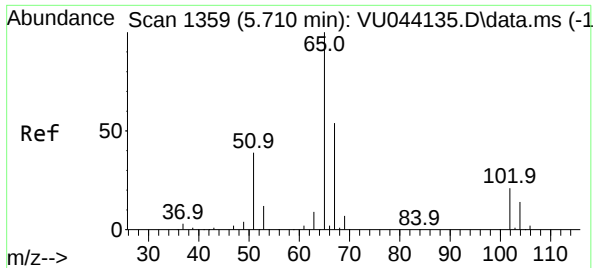
Delta R.T. -0.016 min

Lab File: VU044153.D

Acq: 10 Jun 2021 14:13

Tgt Ion: 56	Resp: 3349
Ion Ratio	Lower Upper
56	100
69	177.3 25.5 38.3#
84	139.1 66.3 99.5#



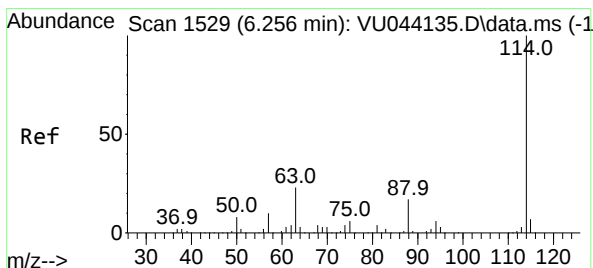
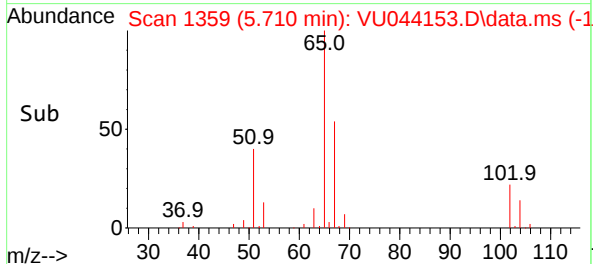
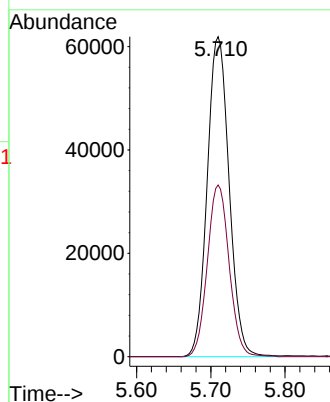
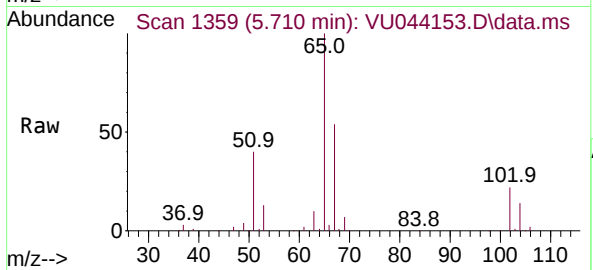


#33

1,2-Dichloroethane-d4
Concen: 57.067 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Instrument :
MSVOA_U
ClientSampleId :

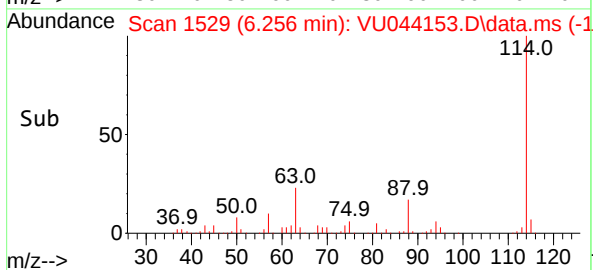
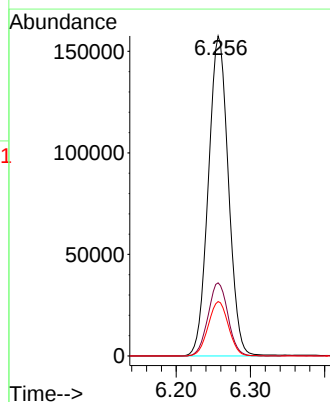
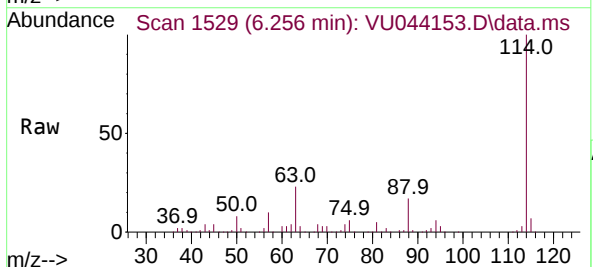
Tgt Ion: 65 Resp: 126893
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6

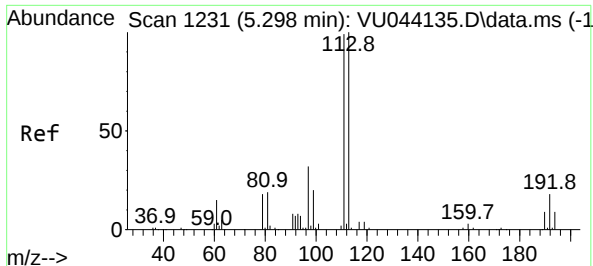


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 114 Resp: 295324
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.8
88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.073 ug/l

RT: 5.298 min Scan# 1231

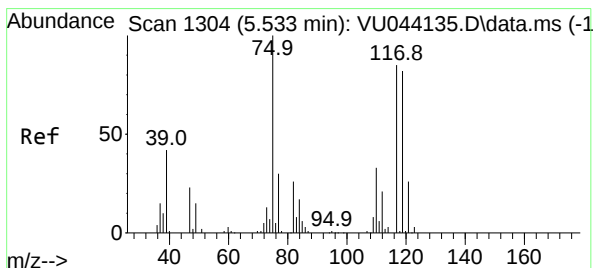
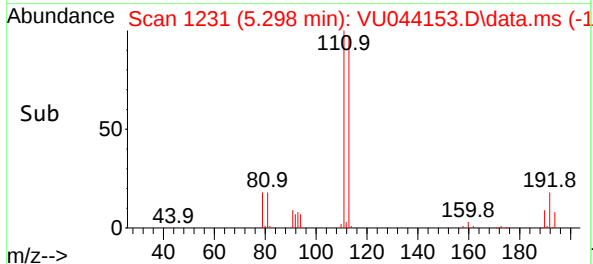
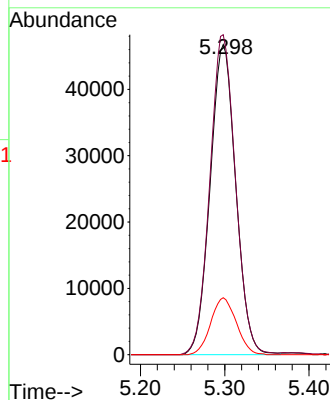
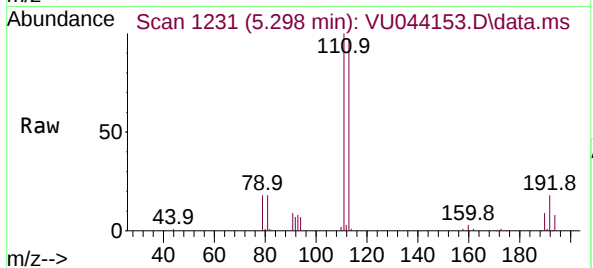
Delta R.T. 0.000 min

Lab File: VU044153.D

Acq: 10 Jun 2021 14:13

Tgt Ion:	113	Resp:	98759
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.4
192	18.3	14.3	21.5

Instrument :
MSVOA_U
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 3.894 ug/l

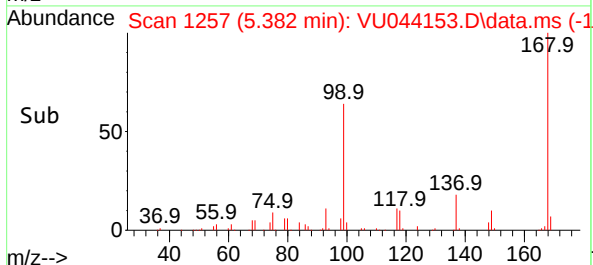
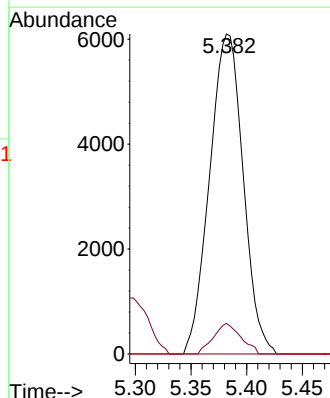
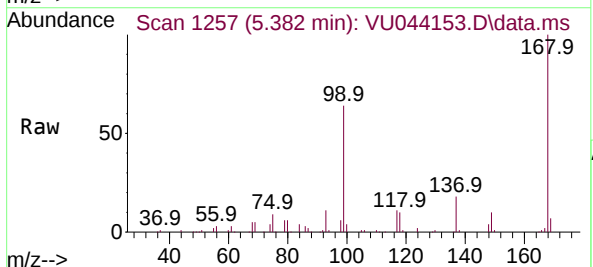
RT: 5.382 min Scan# 1257

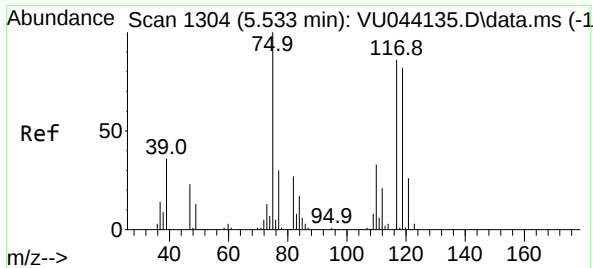
Delta R.T. -0.151 min

Lab File: VU044153.D

Acq: 10 Jun 2021 14:13

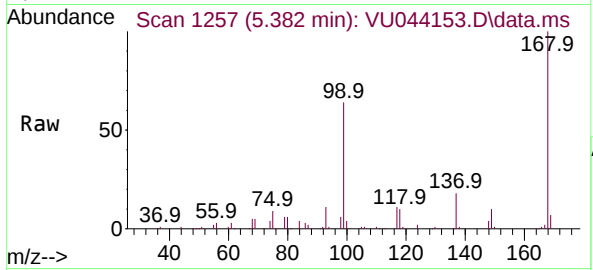
Tgt Ion:	75	Resp:	12796
Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.4	49.4#
77	0.0	24.7	37.1#



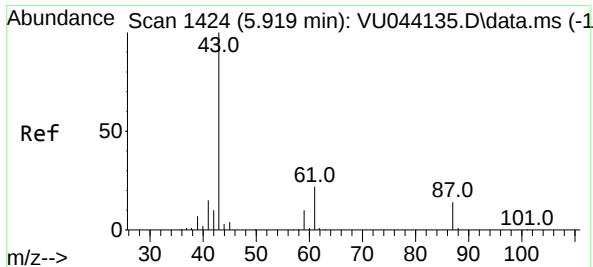
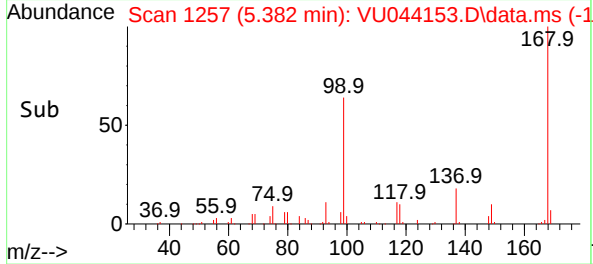
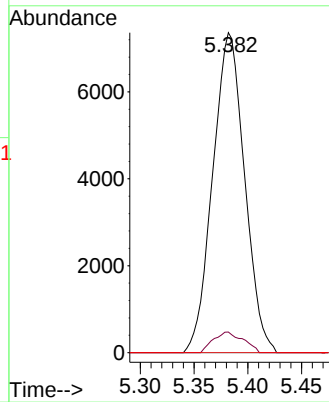


#38
Carbon Tetrachloride
Concen: 5.114 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Instrument :
MSVOA_U
ClientSampleId :

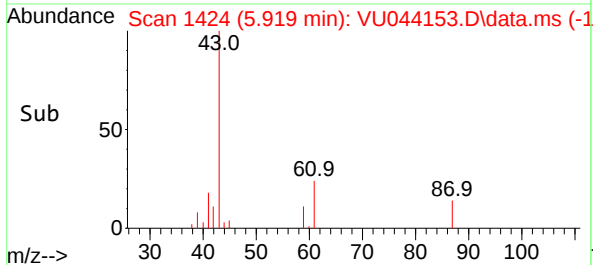
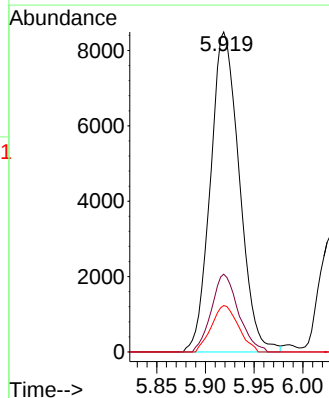
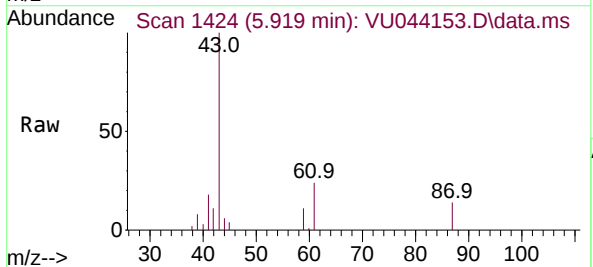


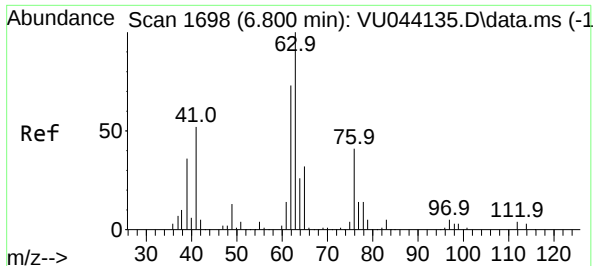
Tgt Ion:117 Resp: 15170
Ion Ratio Lower Upper
117 100
119 6.5 76.6 114.8#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 3.129 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 43 Resp: 17469
Ion Ratio Lower Upper
43 100
61 22.8 17.8 26.8
87 13.5 11.1 16.7



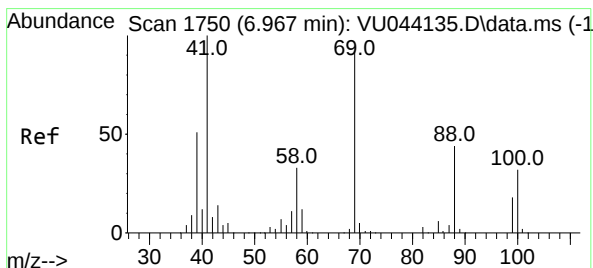
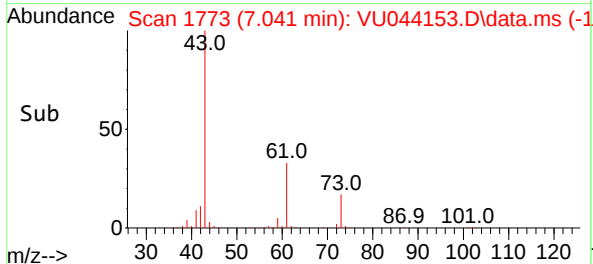
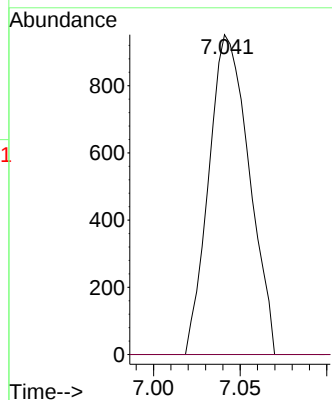
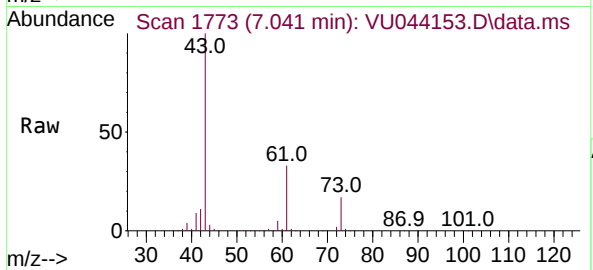


#45

1,2-Dichloropropane
Concen: 0.583 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.241 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Instrument :
MSVOA_U
ClientSampled :

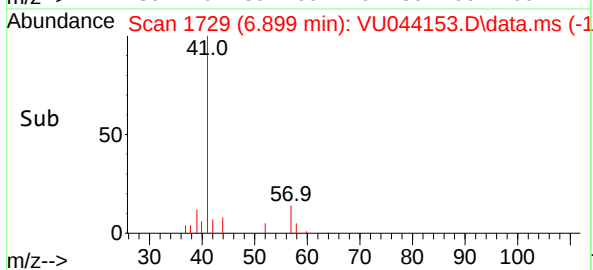
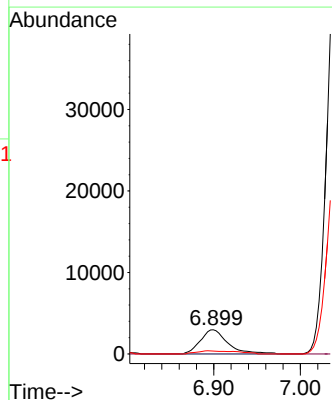
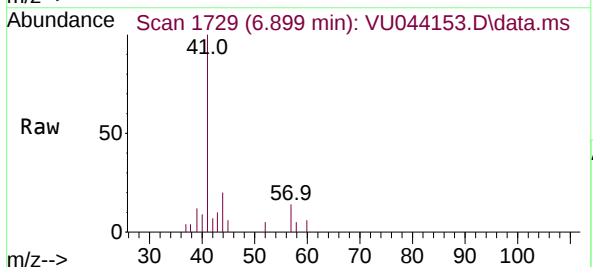
Tgt Ion: 63 Resp: 1541
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

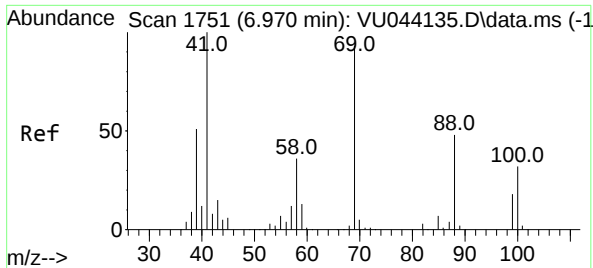


#48

Methyl methacrylate
Concen: 2.409 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 41 Resp: 6545
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#

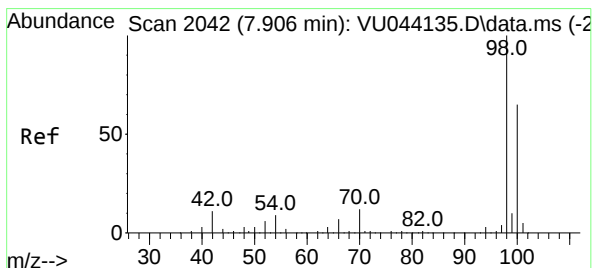
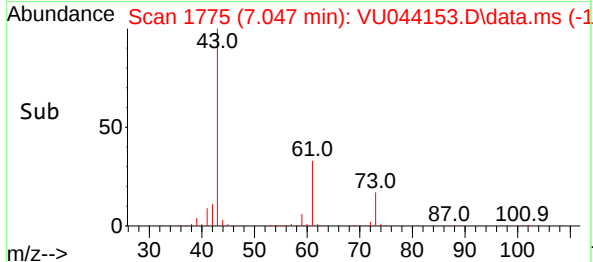
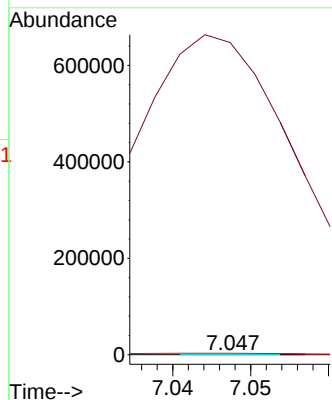
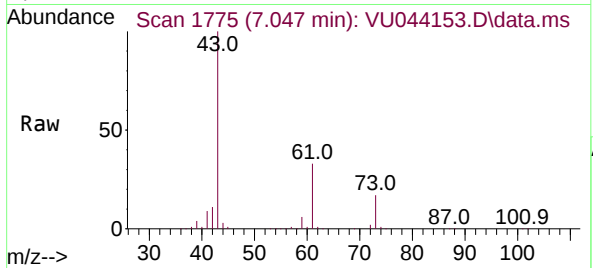




#49
1,4-Dioxane
Concen: 0.281 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.077 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

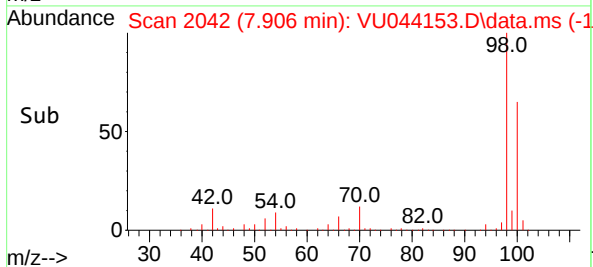
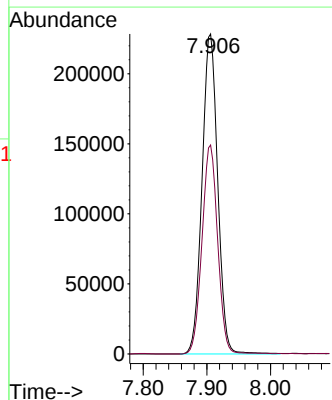
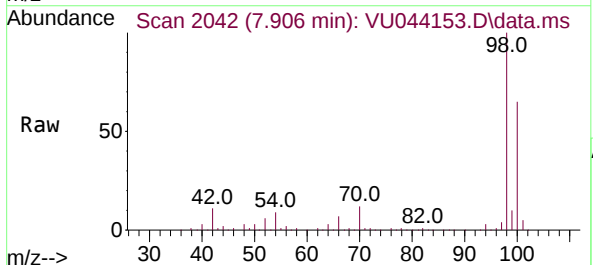
Instrument :
MSVOA_U
ClientSampled :

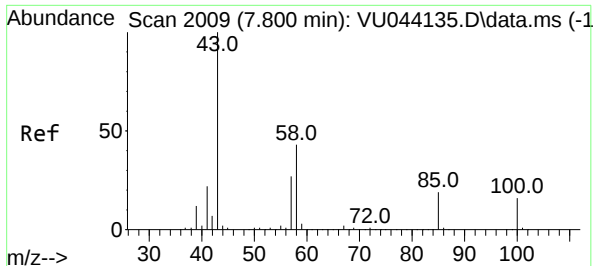
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 5619990.0 23.4 35.0#
58 28710.0 58.1 87.1#



#50
Toluene-d8
Concen: 49.471 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 98 Resp: 390313
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.114 ug/l

RT: 7.797 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU044153.D

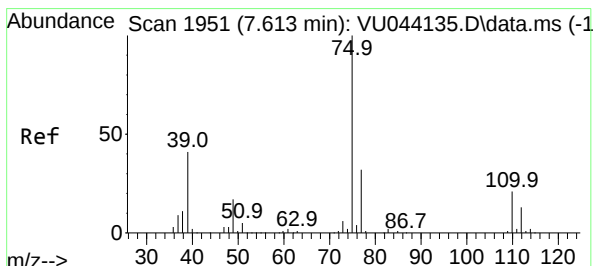
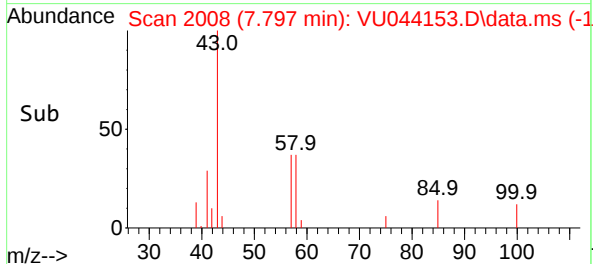
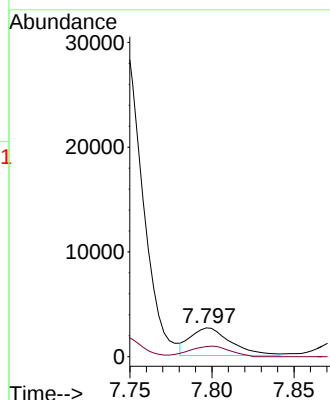
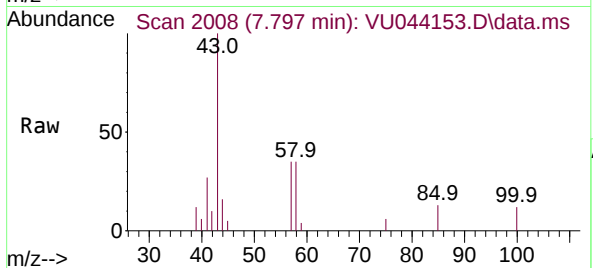
Acq: 10 Jun 2021 14:13

Tgt Ion: 43 Resp: 4503

Ion Ratio Lower Upper

43 100

58 37.9 34.5 51.7



#54

cis-1,3-Dichloropropene

Concen: 7.293 ug/l

RT: 7.745 min Scan# 1992

Delta R.T. 0.132 min

Lab File: VU044153.D

Acq: 10 Jun 2021 14:13

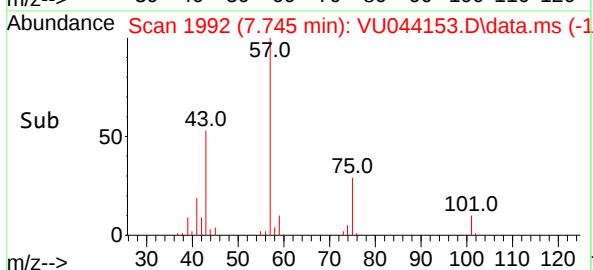
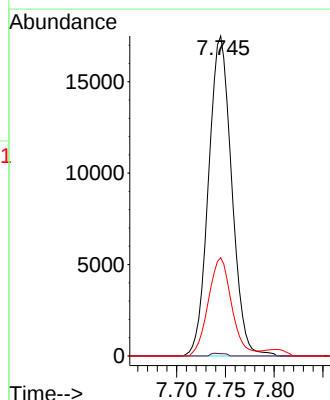
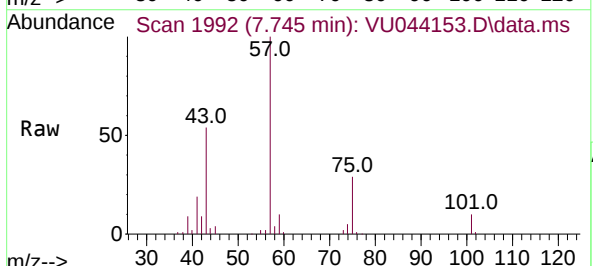
Tgt Ion: 75 Resp: 28879

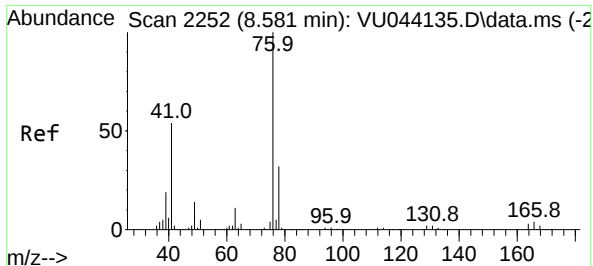
Ion Ratio Lower Upper

75 100

77 0.7 25.9 38.9#

39 30.7 33.2 49.8#



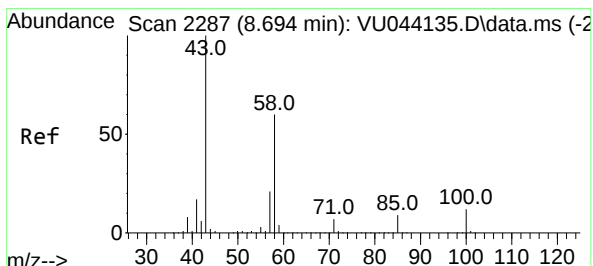
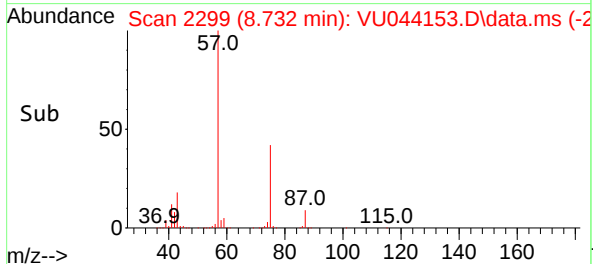
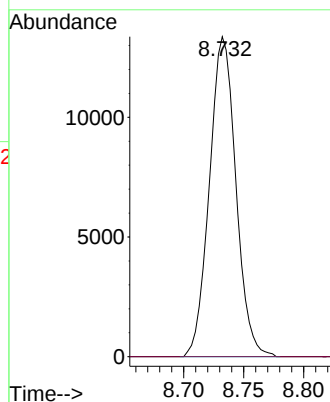
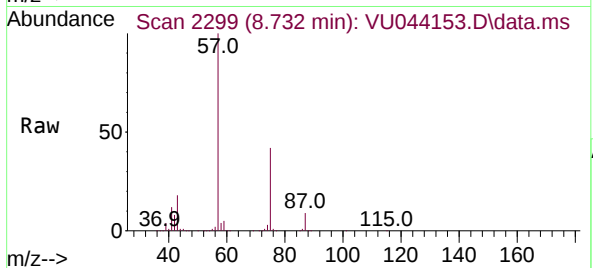


#57

1,3-Dichloropropane
Concen: 4.774 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Instrument :
MSVOA_U
ClientSampled :

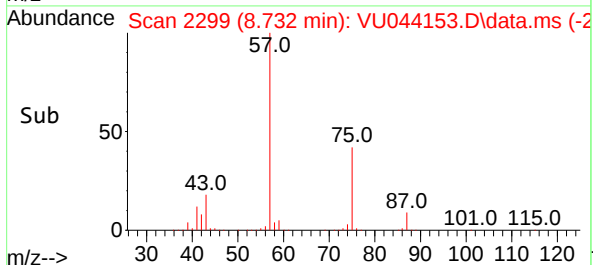
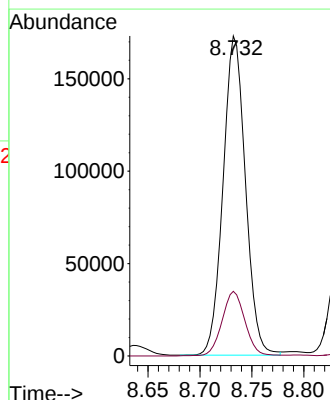
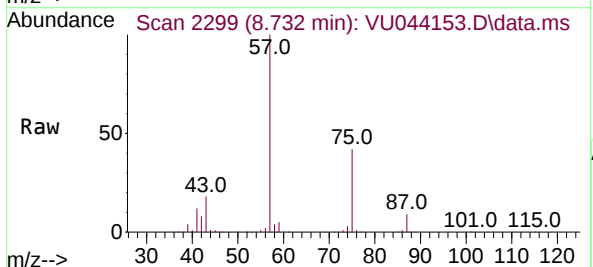
Tgt Ion: 76 Resp: 20531
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

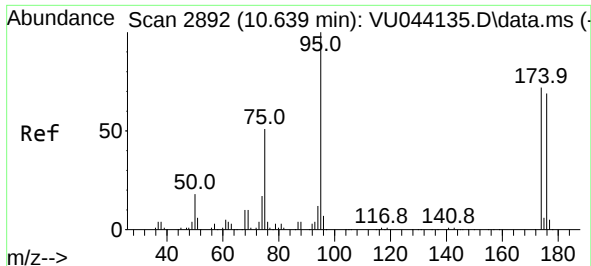


#59

2-Hexanone
Concen: 80.343 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 43 Resp: 259063
Ion Ratio Lower Upper
43 100
58 20.9 30.0 90.1#

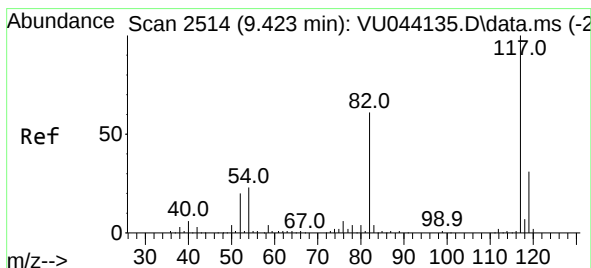
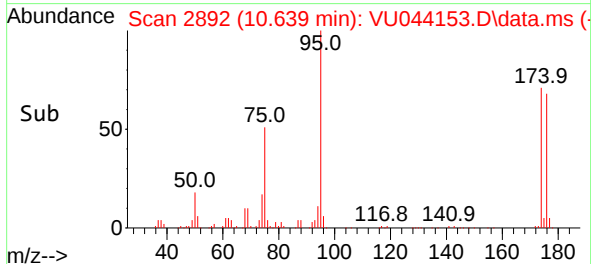
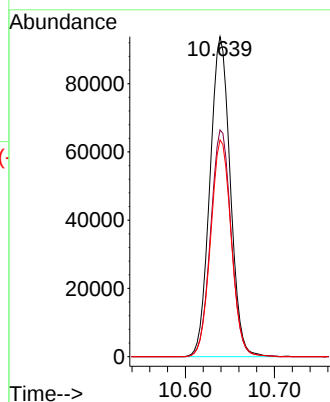
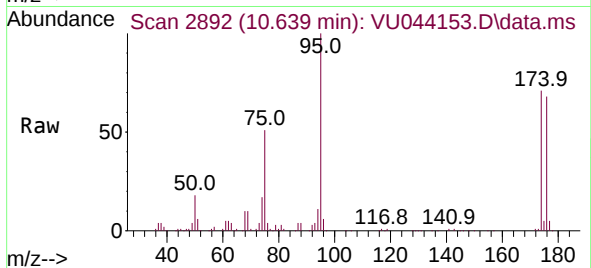




#62
4-Bromofluorobenzene
Concen: 47.028 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

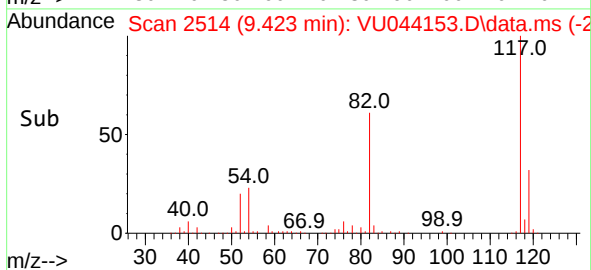
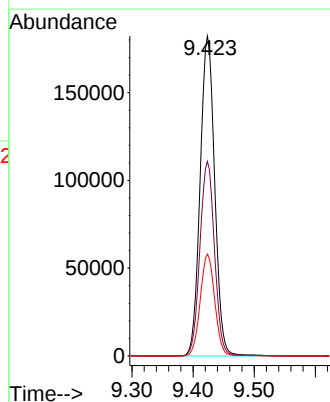
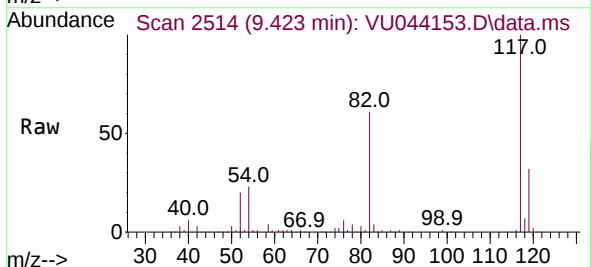
Instrument :
MSVOA_U
ClientSampleId :

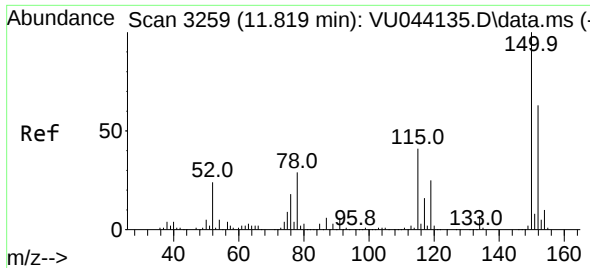
Tgt Ion: 95 Resp: 148694
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.4
176 68.4 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion: 117 Resp: 301412
Ion Ratio Lower Upper
117 100
82 60.9 48.8 73.2
119 31.9 25.0 37.6

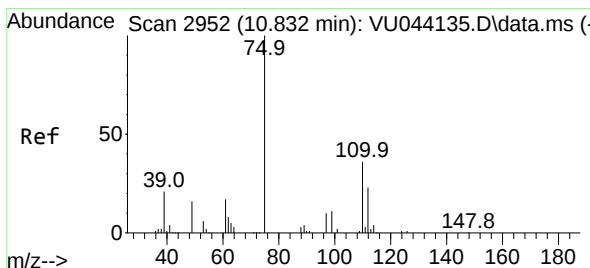
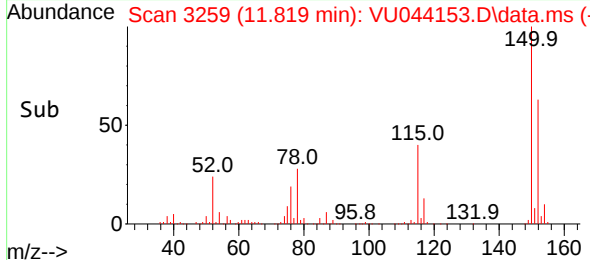
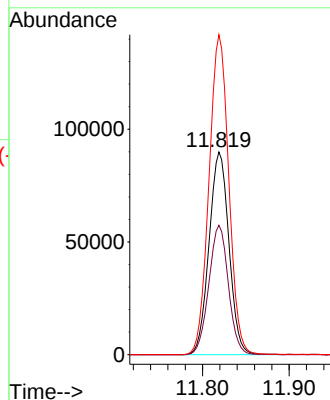
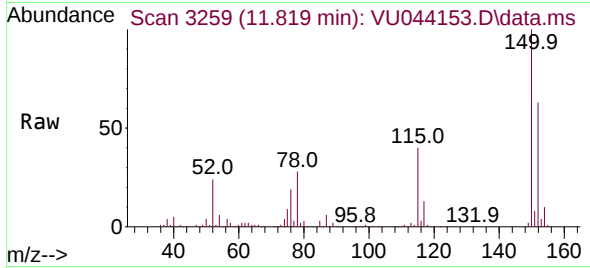




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044153.D
 Acq: 10 Jun 2021 14:13

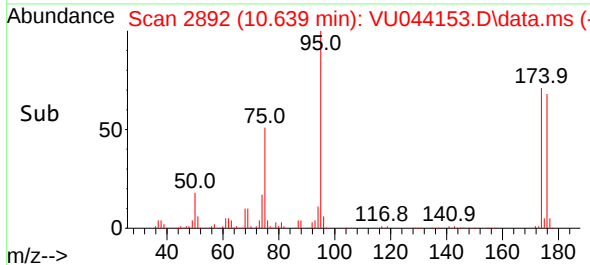
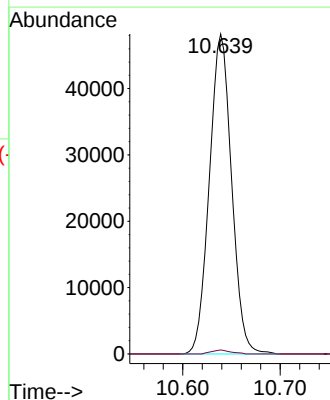
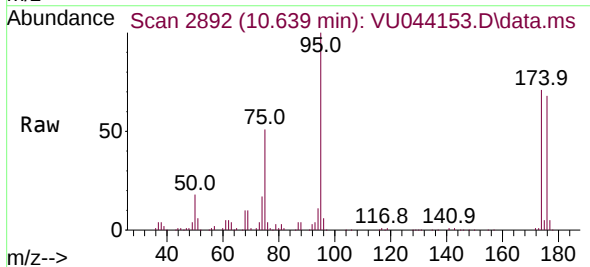
Instrument :
 MSVOA_U
 ClientSampled :

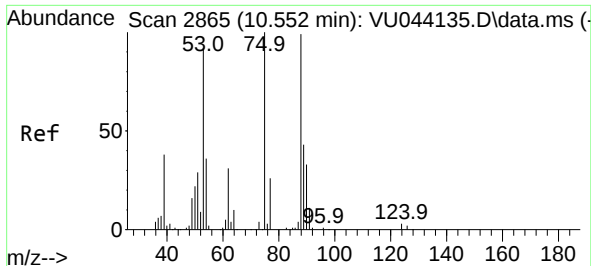
Tgt Ion:152 Resp: 143508
 Ion Ratio Lower Upper
 152 100
 115 62.7 43.8 131.3
 150 157.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.896 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044153.D
 Acq: 10 Jun 2021 14:13

Tgt Ion: 75 Resp: 76482
 Ion Ratio Lower Upper
 75 100
 77 1.1 14.9 44.5#

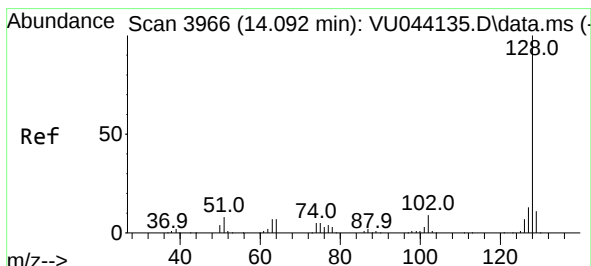
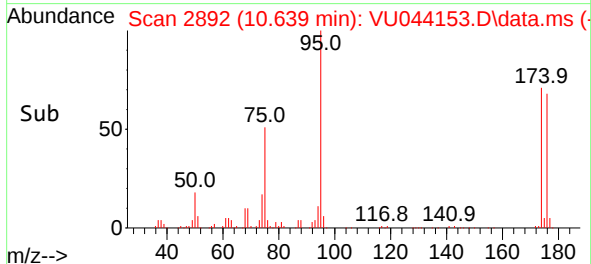
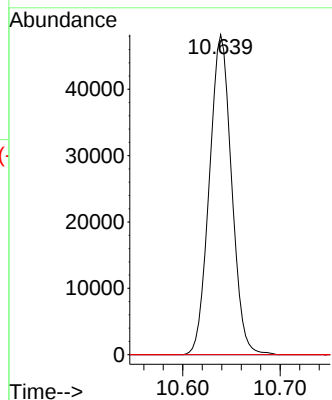
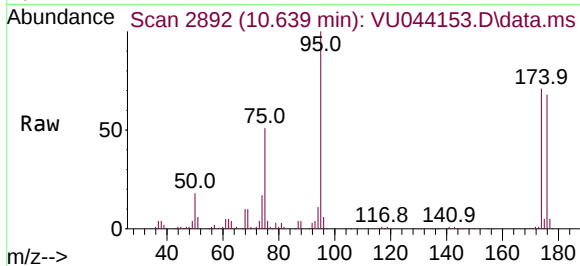




#81
trans-1,4-Dichloro-2-butene
Concen: 57.621 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 76482
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.891 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044153.D
Acq: 10 Jun 2021 14:13

Tgt Ion:128 Resp: 594
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

