

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045072.D
 Acq On : 01 Oct 2021 14:52
 Operator : SY/MD
 Sample : PB139508ZHE#03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:11:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

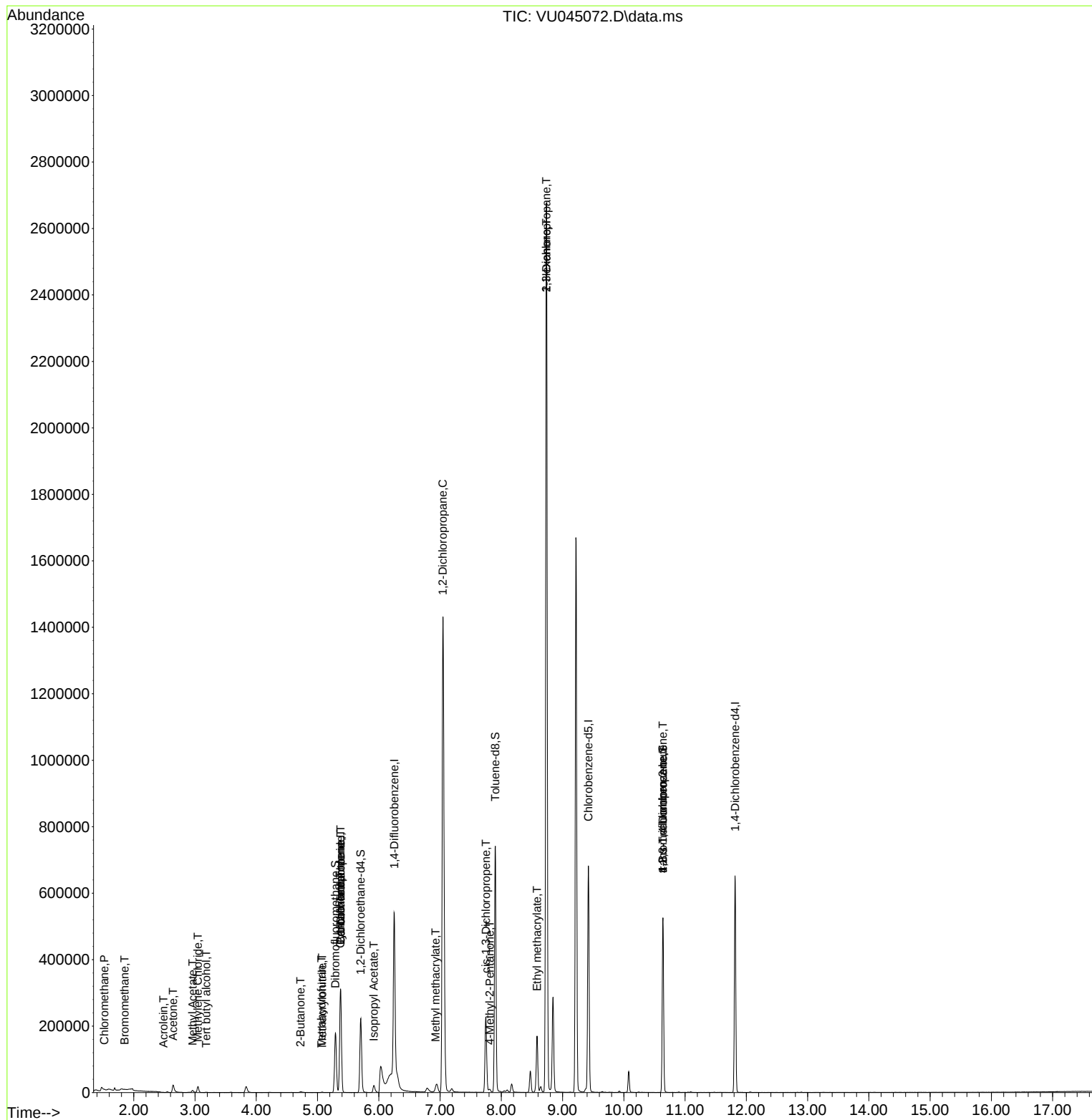
Internal Standards						
1) Pentafluorobenzene	5.375	168	201523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	377457	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	360933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	155033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	169689	50.584	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.160%			
35) Dibromofluoromethane	5.292	113	116151	48.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.560%			
50) Toluene-d8	7.903	98	476308	50.627	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.260%			
62) 4-Bromofluorobenzene	10.639	95	177919	45.806	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.620%			
Target Compounds						Qvalue
3) Chloromethane	1.520	50	998	0.309	ug/l	88
5) Bromomethane	1.851	94	574	0.453	ug/l	97
11) Tert butyl alcohol	3.183	59	532	0.553	ug/l #	72
13) Acrolein	2.488	56	42	3.346	ug/l #	14
16) Acetone	2.642	43	33688	16.918	ug/l	99
18) Methyl Acetate	2.961	43	8597	1.477	ug/l	98
20) Methylene Chloride	3.047	84	8667	2.890	ug/l	93
25) 2-Butanone	4.723	43	4865	1.720	ug/l	93
29) Tetrahydrofuran	5.063	42	473	0.281	ug/l #	80
31) Cyclohexane	5.372	56	5316	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19577	4.960	ug/l #	49
38) Carbon Tetrachloride	5.375	117	21284	6.231	ug/l #	15
41) Methacrylonitrile	5.076	41	550	0.205	ug/l #	39
43) Isopropyl Acetate	5.919	43	26446	3.366	ug/l	100
45) 1,2-Dichloropropane	7.044	63	2087	0.670	ug/l #	45
48) Methyl methacrylate	6.928	41	9388	2.455	ug/l #	14
49) 1,4-Dioxane	7.044	88	73	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.813	43	7055	1.233	ug/l	94
54) cis-1,3-Dichloropropene	7.748	75	45357	9.340	ug/l #	61
56) Ethyl methacrylate	8.584	69	1059	1.992	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	29443	5.381	ug/l #	43
59) 2-Hexanone	8.735	43	410745	88.177	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	95654	21.153	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	95654	58.703	ug/l #	9

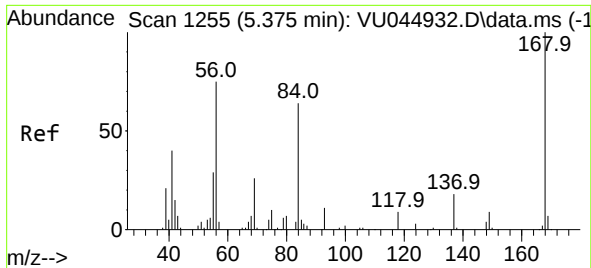
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Oct 02 03:11:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration

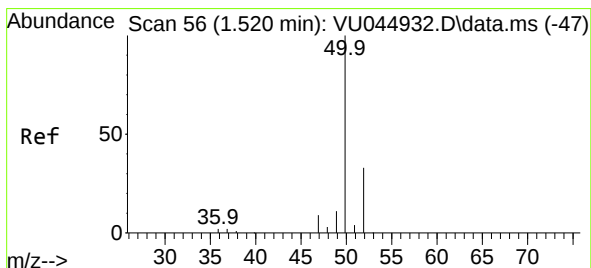
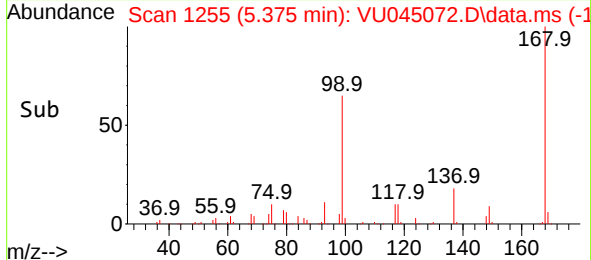
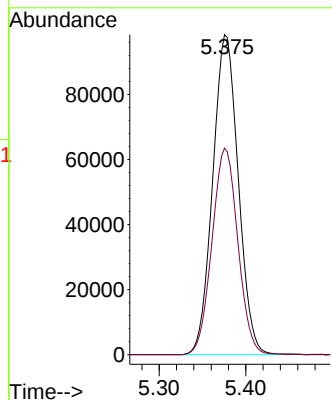
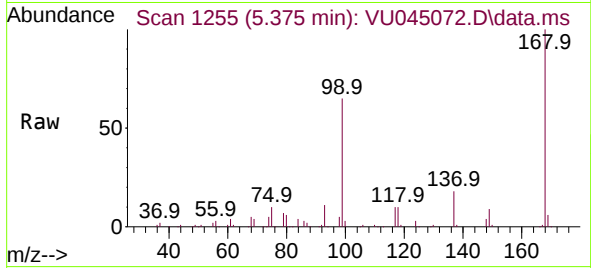




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

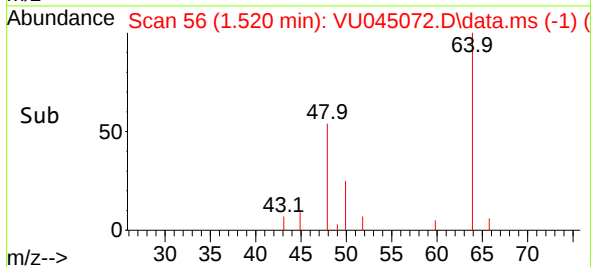
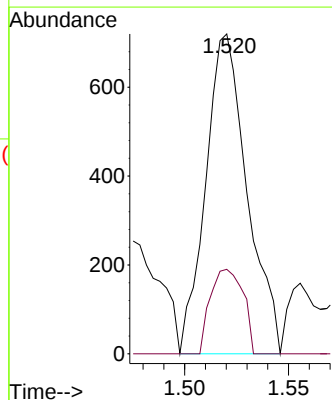
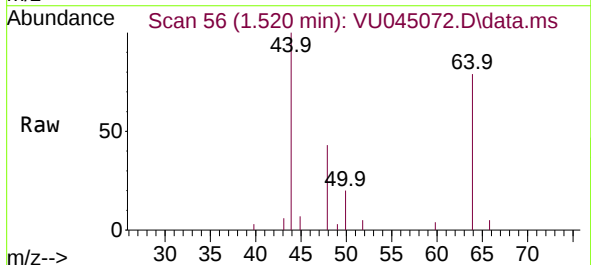
Instrument :
MSVOA_U
ClientSampled :

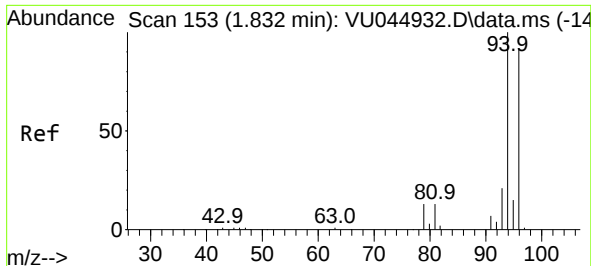
Tgt Ion:168 Resp: 201523
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#3
Chloromethane
Concen: 0.309 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 50 Resp: 998
Ion Ratio Lower Upper
50 100
52 26.4 26.3 39.5





#5

Bromomethane

Concen: 0.453 ug/l

RT: 1.851 min Scan# 159

Delta R.T. 0.019 min

Lab File: VU045072.D

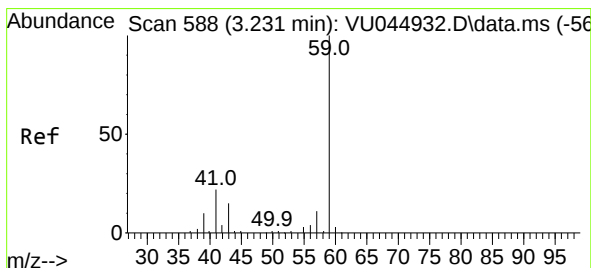
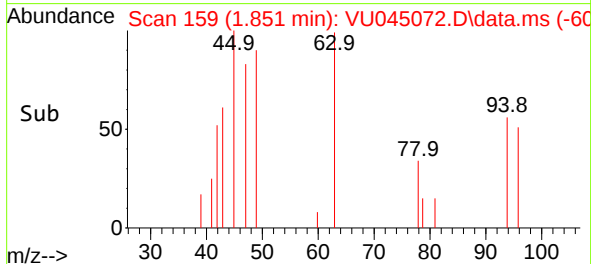
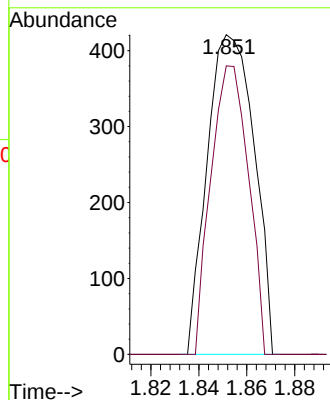
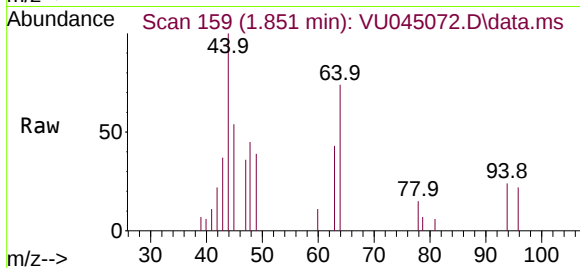
Acq: 01 Oct 2021 14:52

Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 90.3 74.5 111.7



#11

Tert butyl alcohol

Concen: 0.553 ug/l

RT: 3.183 min Scan# 573

Delta R.T. -0.048 min

Lab File: VU045072.D

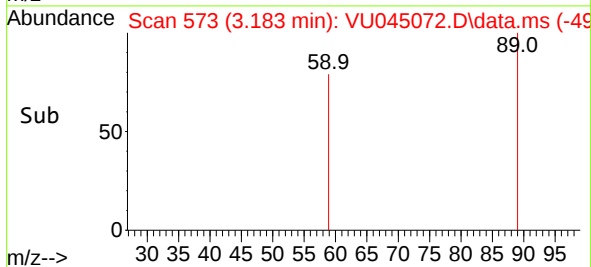
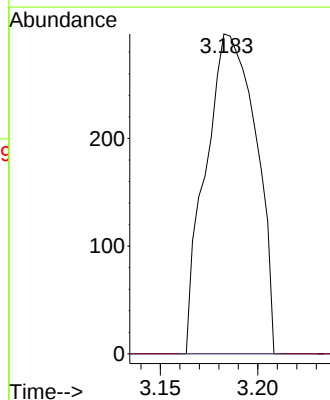
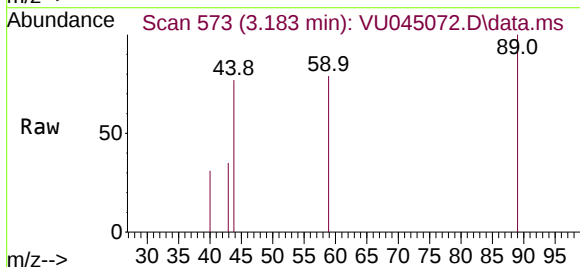
Acq: 01 Oct 2021 14:52

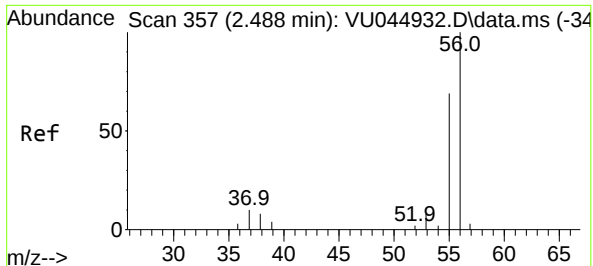
Tgt Ion: 59 Resp: 532

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

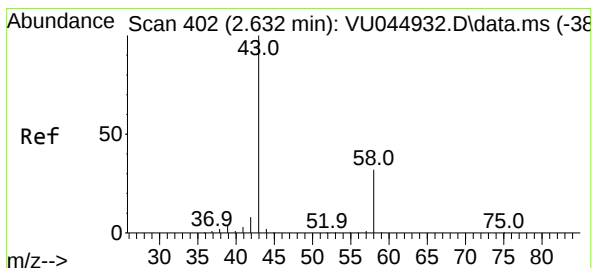
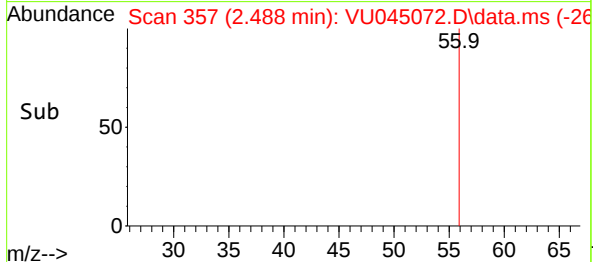
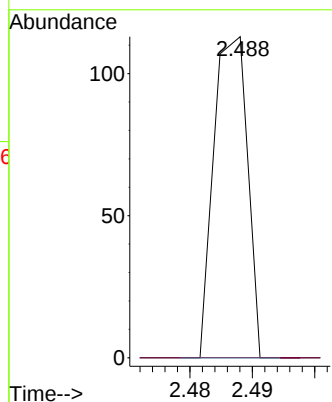
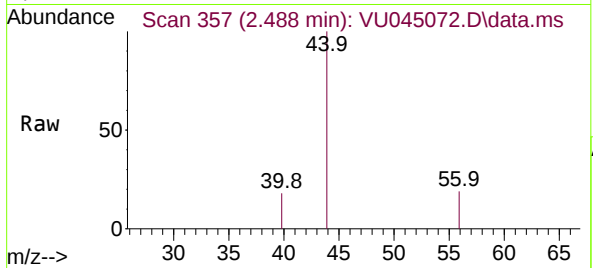




#13
Acrolein
Concen: 3.346 ug/l
RT: 2.488 min Scan# 357
Delta R.T. 0.000 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

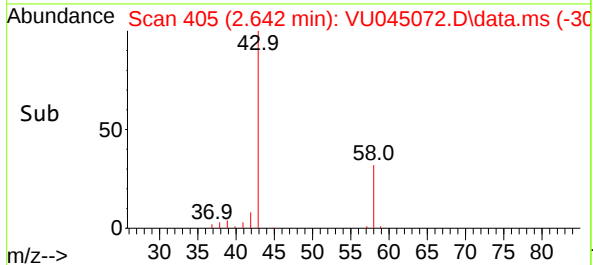
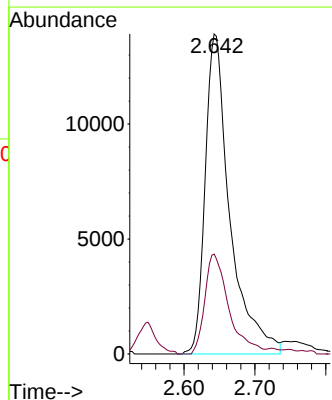
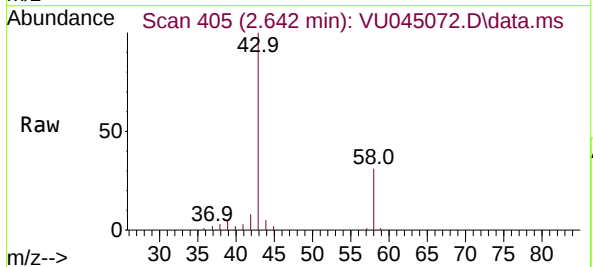
Instrument :
MSVOA_U
ClientSampled :

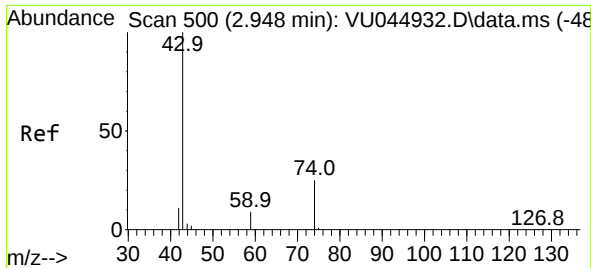
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 16.918 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.010 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 43 Resp: 33688
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8

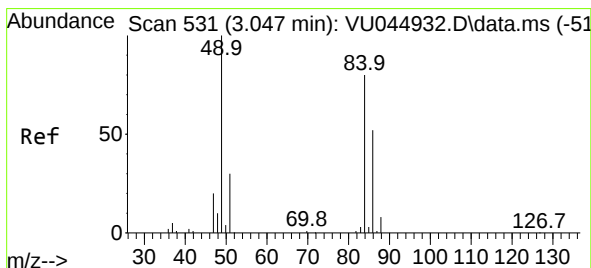
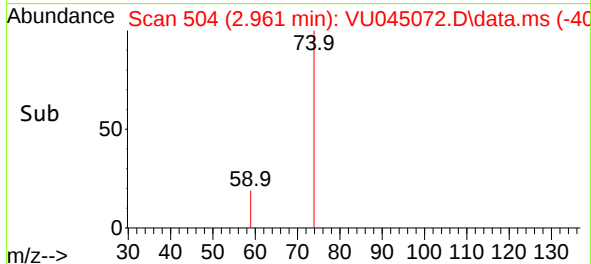
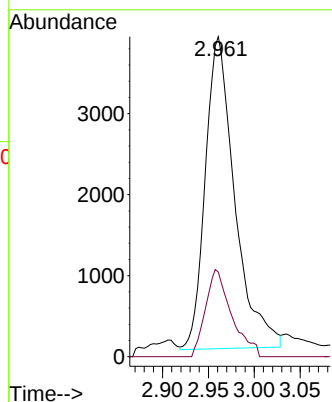
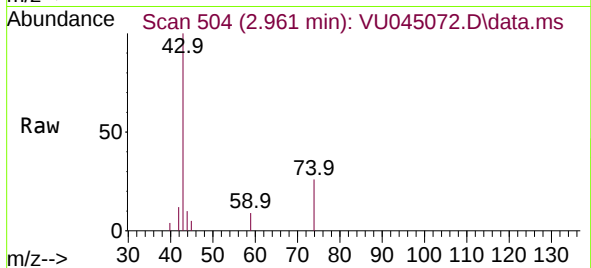




#18
Methyl Acetate
Concen: 1.477 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

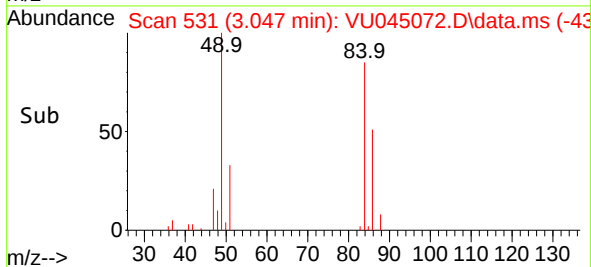
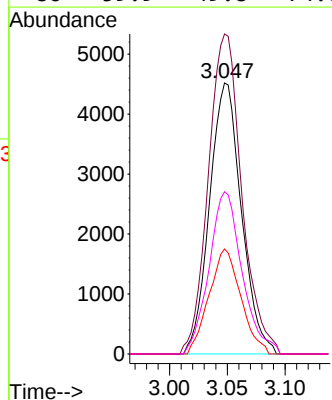
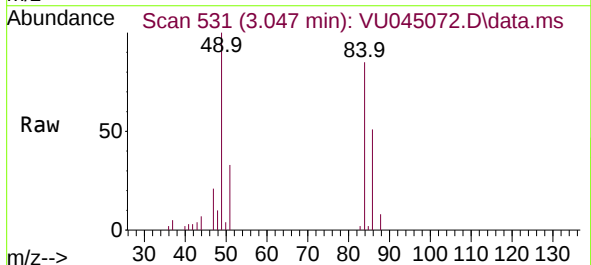
Instrument :
MSVOA_U
ClientSampled :

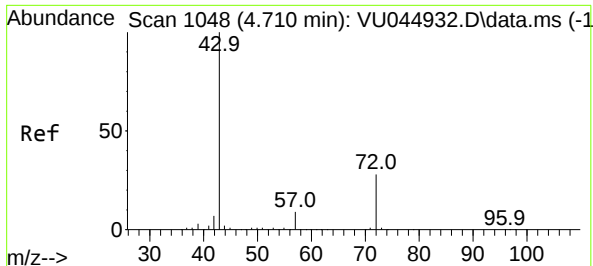
Tgt Ion: 43 Resp: 8597
Ion Ratio Lower Upper
43 100
74 24.6 19.0 28.6



#20
Methylene Chloride
Concen: 2.890 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 84 Resp: 8667
Ion Ratio Lower Upper
84 100
49 118.1 104.9 157.3
51 38.7 31.8 47.8
86 59.9 49.8 74.6

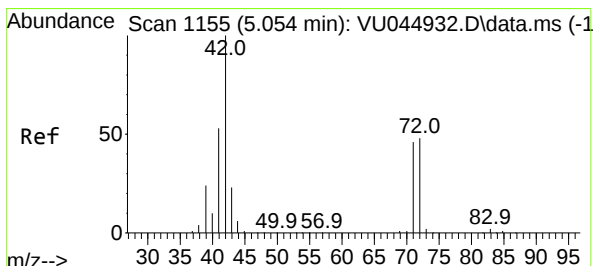
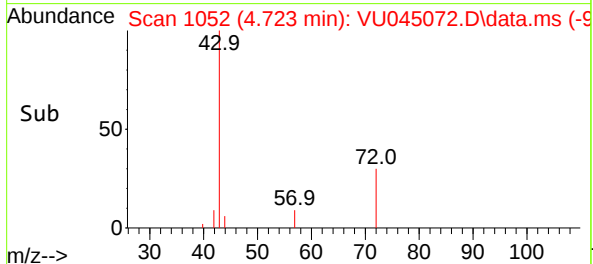
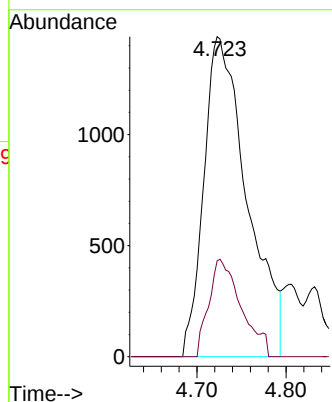
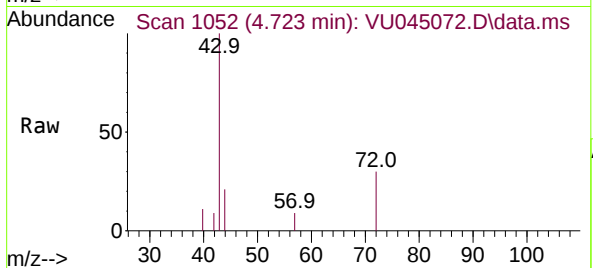




#25
2-Butanone
Concen: 1.720 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

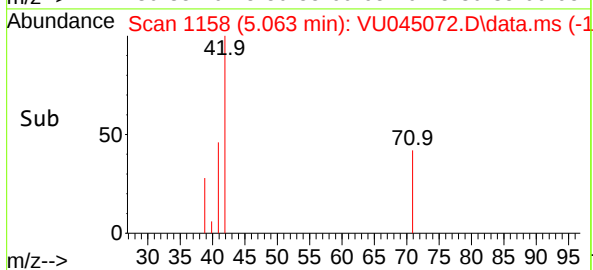
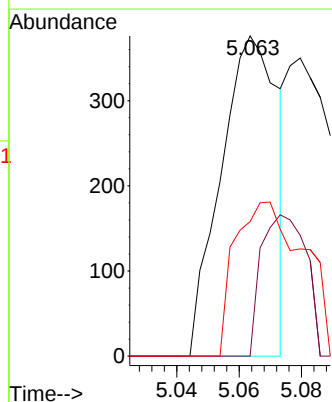
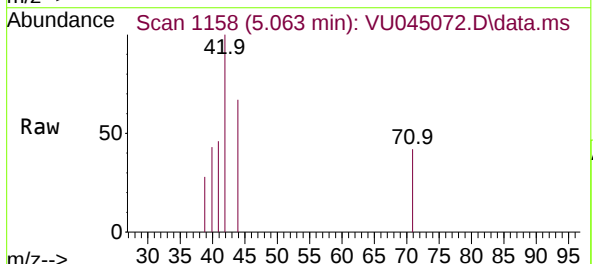
Instrument :
MSVOA_U
ClientSampled :

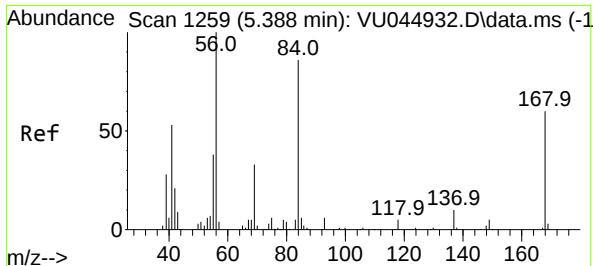
Tgt Ion: 43 Resp: 4865
Ion Ratio Lower Upper
43 100
72 30.0 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.009 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 42 Resp: 473
Ion Ratio Lower Upper
42 100
72 34.9 36.2 54.4#
71 58.4 34.1 51.1#





#31

Cyclohexane

Concen: 1.043 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.016 min

Lab File: VU045072.D

Acq: 01 Oct 2021 14:52

Tgt Ion: 56 Resp: 5316

Ion Ratio Lower Upper

56 100

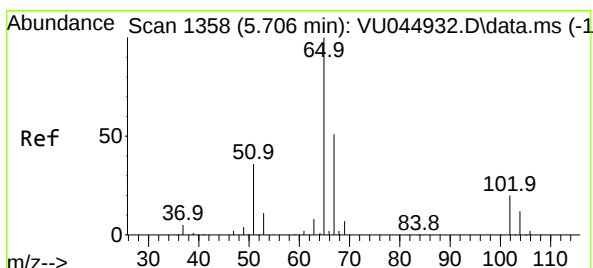
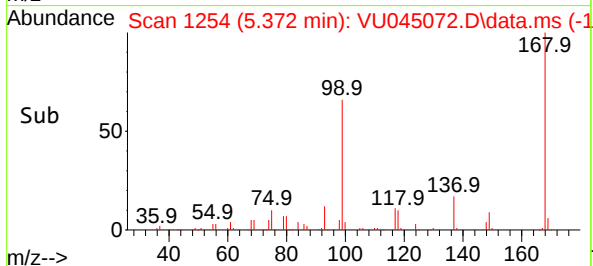
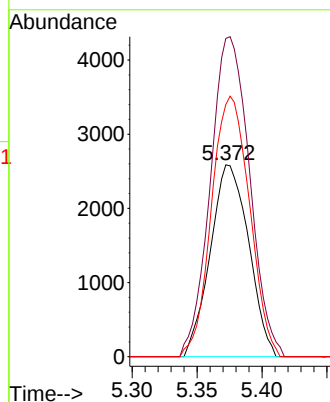
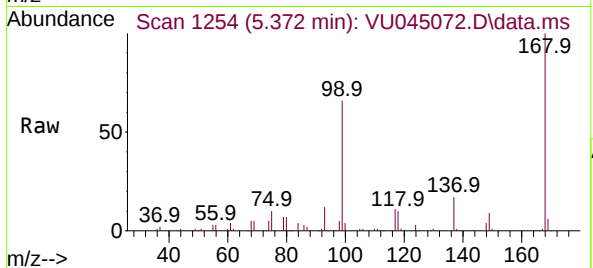
69 165.9 25.2 37.8#

84 131.4 66.4 99.6#

Instrument :

MSVOA_U

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 50.584 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.003 min

Lab File: VU045072.D

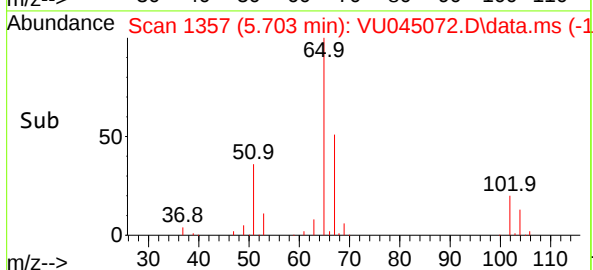
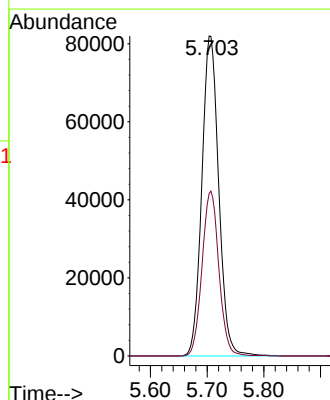
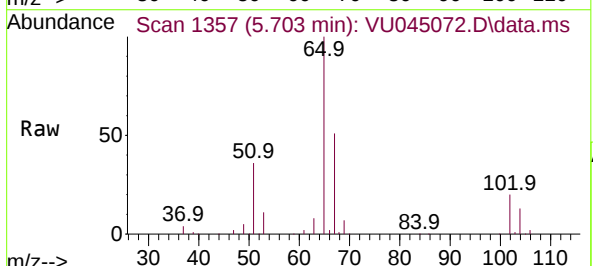
Acq: 01 Oct 2021 14:52

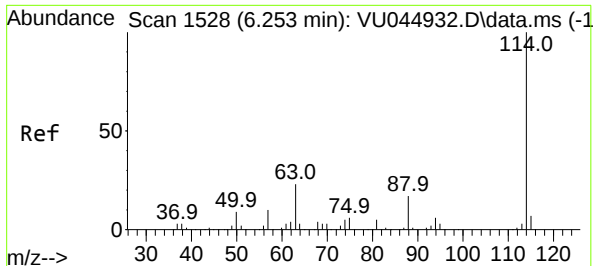
Tgt Ion: 65 Resp: 169689

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045072.D

Acq: 01 Oct 2021 14:52

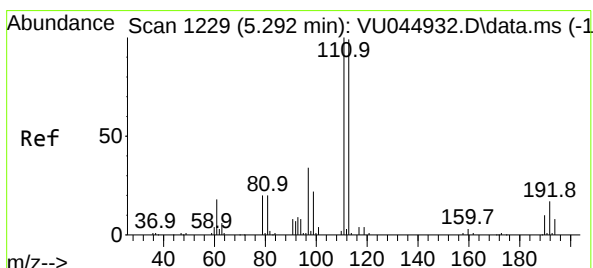
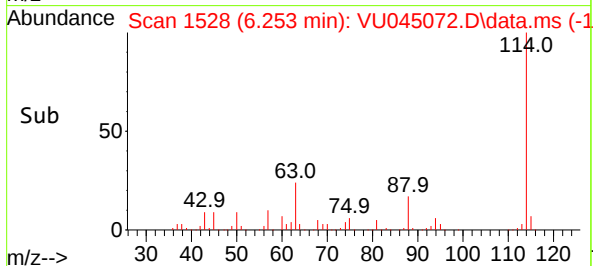
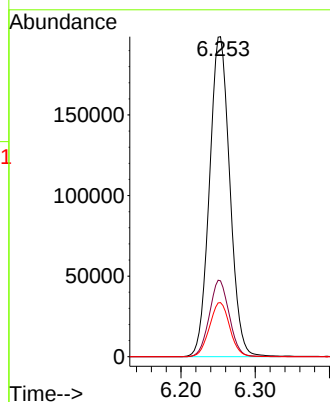
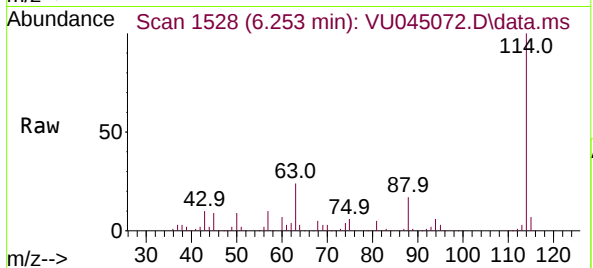
Tgt Ion:114 Resp: 377457

Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.780 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045072.D

Acq: 01 Oct 2021 14:52

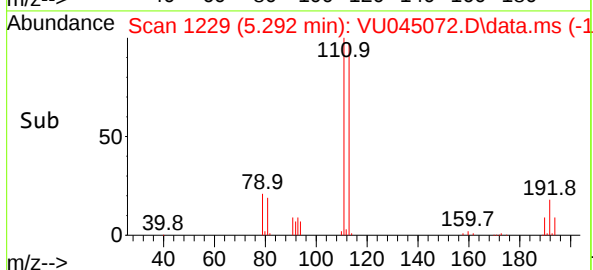
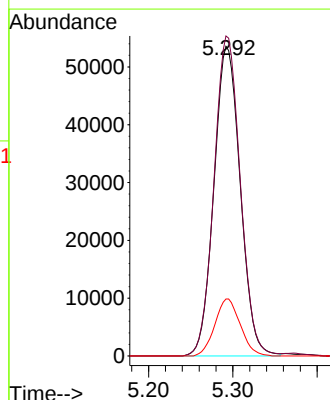
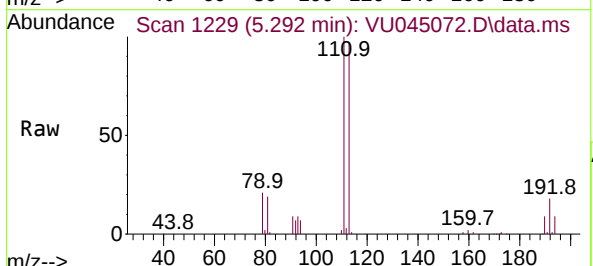
Tgt Ion:113 Resp: 116151

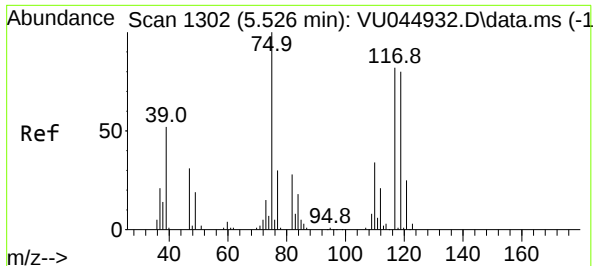
Ion Ratio Lower Upper

113 100

111 102.9 84.1 126.1

192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 5.375 min Scan# 1255

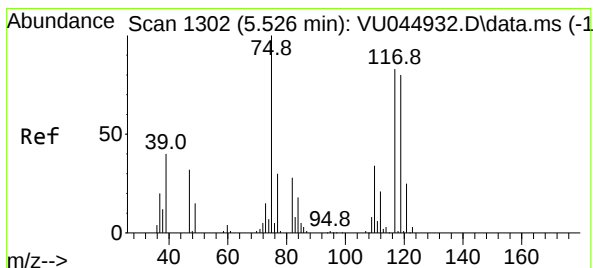
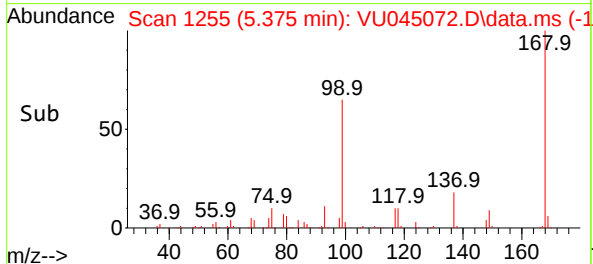
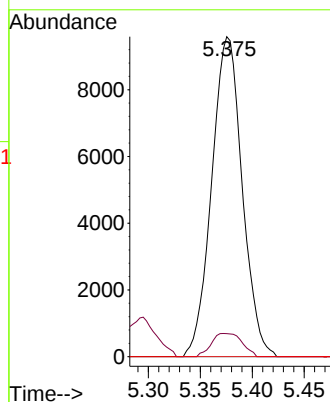
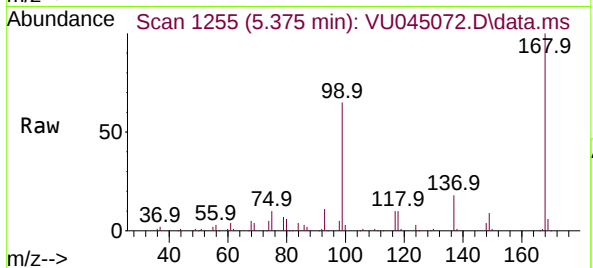
Delta R.T. -0.151 min

Lab File: VU045072.D

Acq: 01 Oct 2021 14:52

Tgt Ion:	75	Resp:	19577
Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.231 ug/l

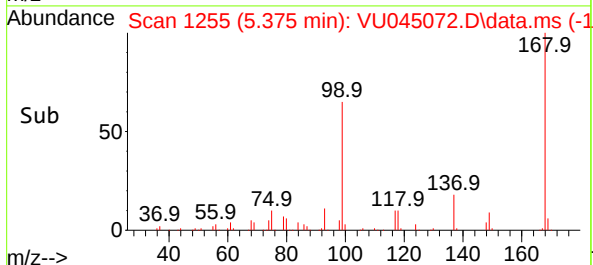
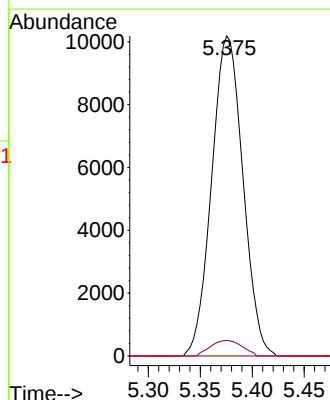
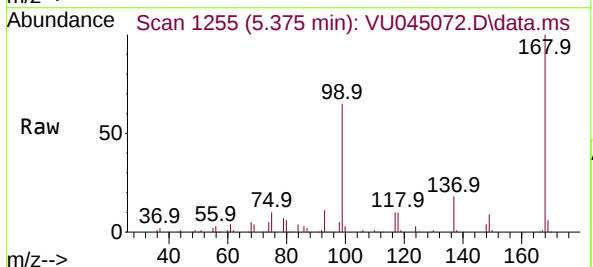
RT: 5.375 min Scan# 1255

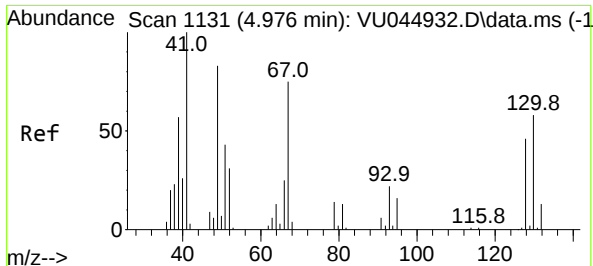
Delta R.T. -0.151 min

Lab File: VU045072.D

Acq: 01 Oct 2021 14:52

Tgt Ion:	117	Resp:	21284
Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.4	116.2#
121	0.0	24.5	36.7#

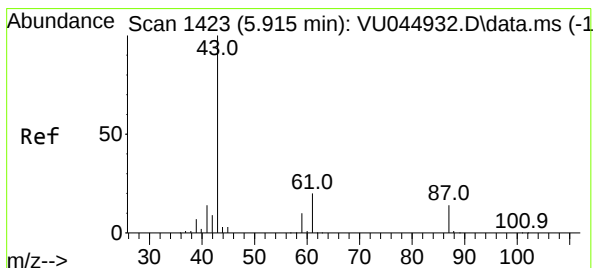
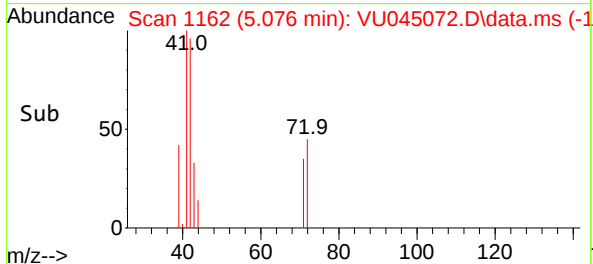
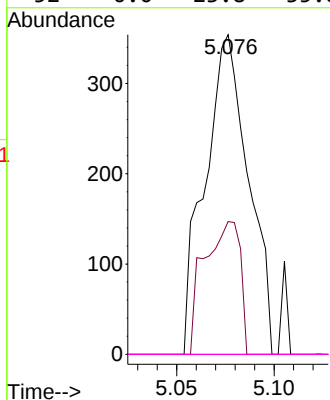
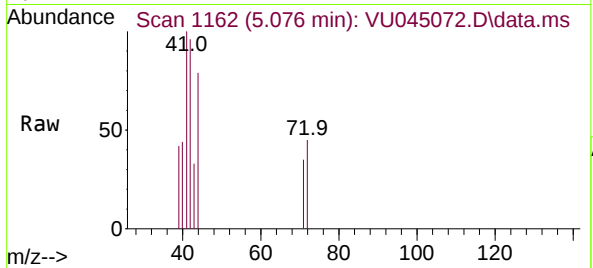




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.100 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

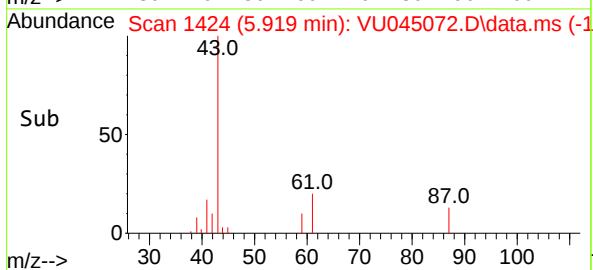
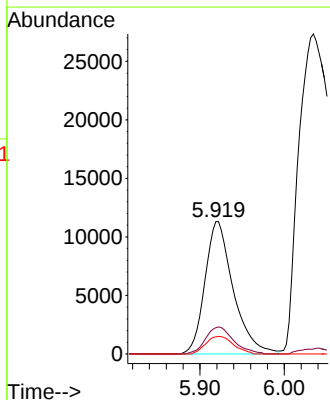
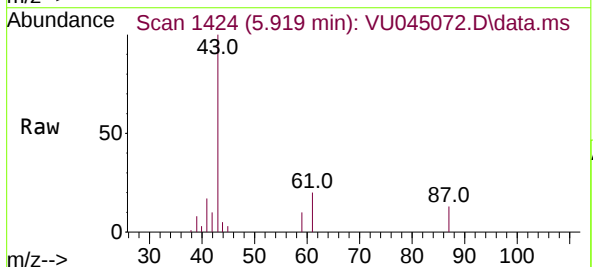
Instrument :
MSVOA_U
ClientSampled :

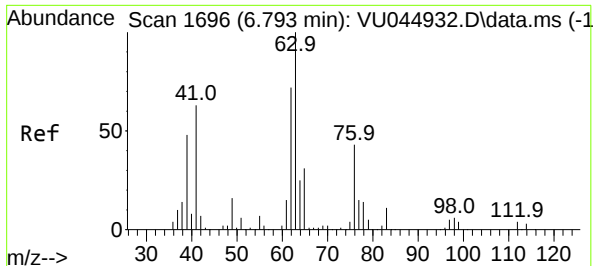
Tgt Ion: 41	Resp: 550
Ion Ratio	Lower Upper
41 100	
39 34.4	44.4 66.6#
67 0.0	58.1 87.1#
52 0.0	23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.366 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 43	Resp: 26446
Ion Ratio	Lower Upper
43 100	
61 20.1	16.1 24.1
87 12.9	10.3 15.5



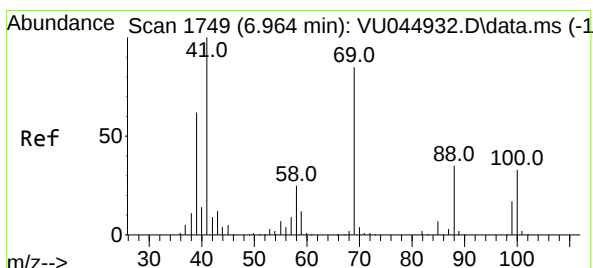
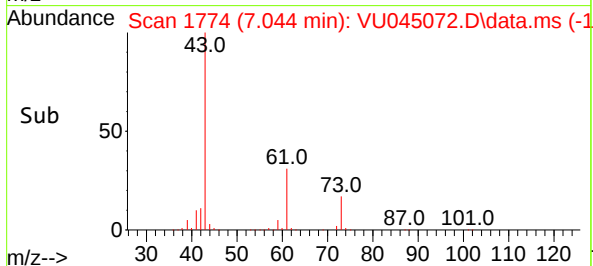
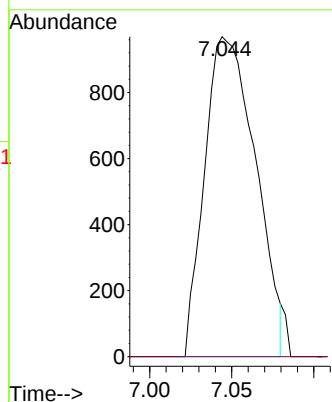
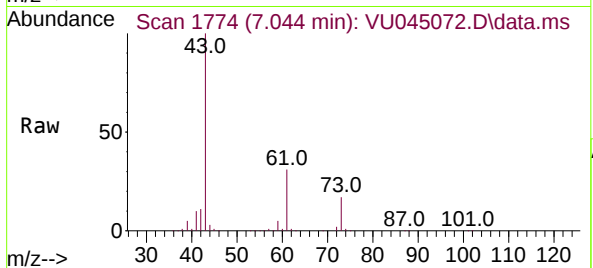


#45

1,2-Dichloropropane
Concen: 0.670 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.251 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Instrument :
MSVOA_U
ClientSampled :

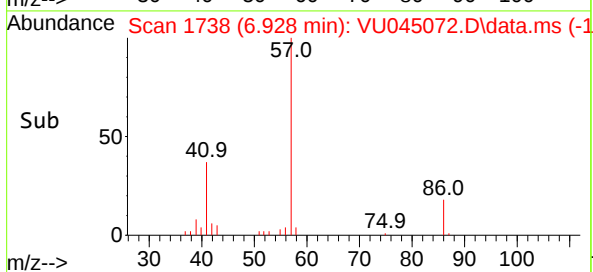
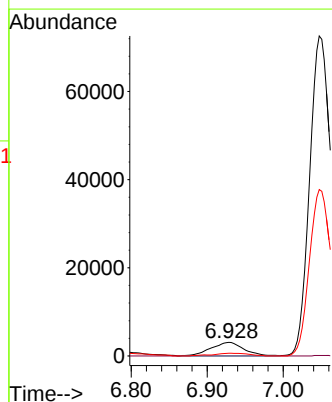
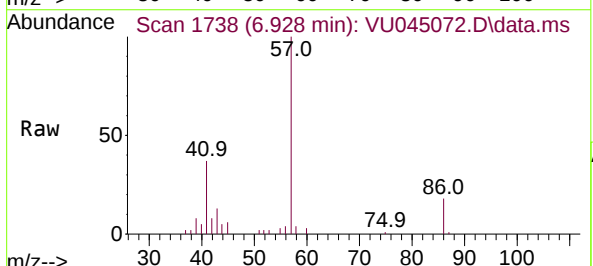
Tgt Ion: 63 Resp: 2087
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

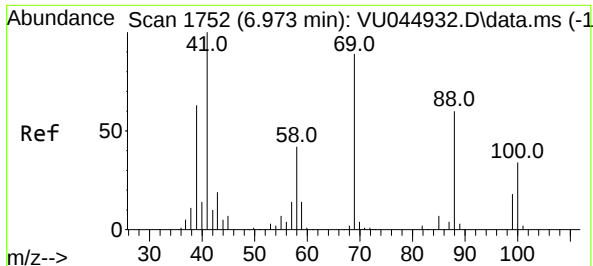


#48

Methyl methacrylate
Concen: 2.455 ug/l
RT: 6.928 min Scan# 1738
Delta R.T. -0.036 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 41 Resp: 9388
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.044 min Scan# 1774

Delta R.T. 0.071 min

Lab File: VU045072.D

Acq: 01 Oct 2021 14:52

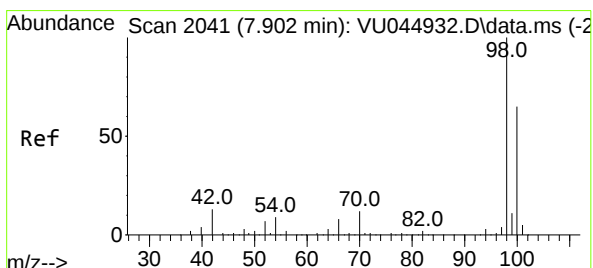
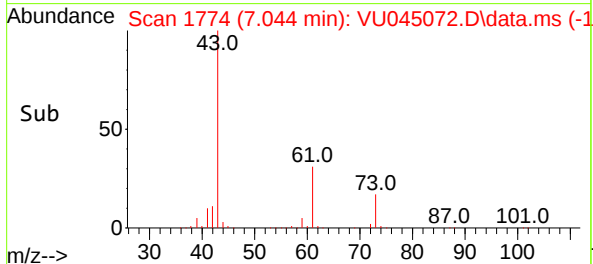
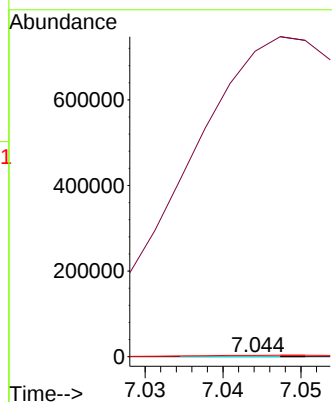
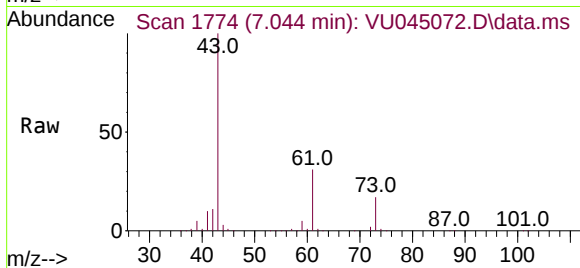
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 2183460.3 25.8 38.6#

58 9574.0 61.3 91.9#



#50

Toluene-d8

Concen: 50.627 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.001 min

Lab File: VU045072.D

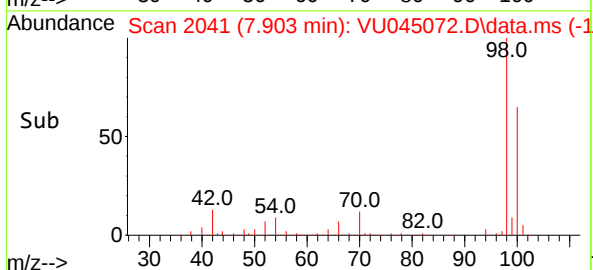
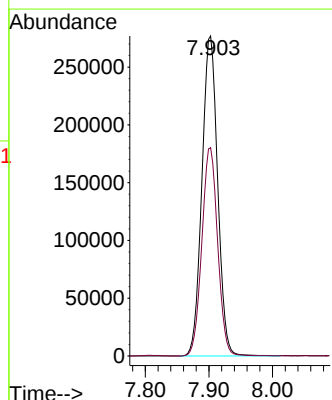
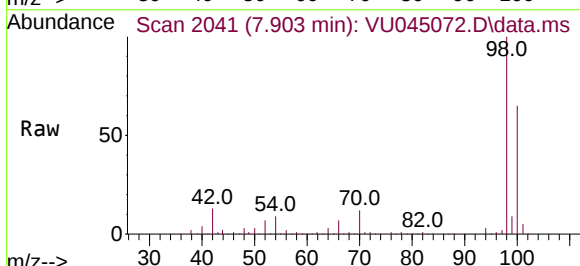
Acq: 01 Oct 2021 14:52

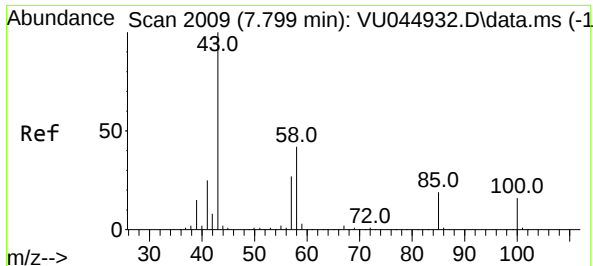
Tgt Ion: 98 Resp: 476308

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

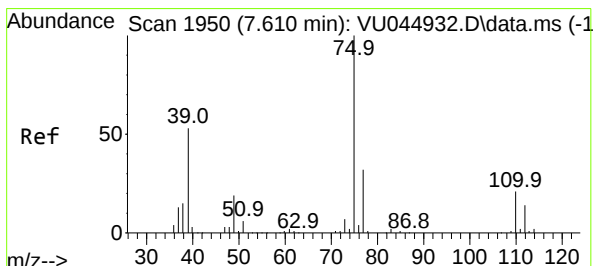
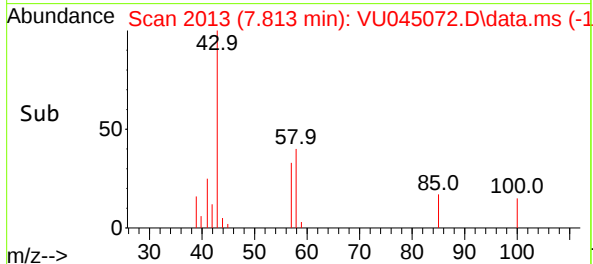
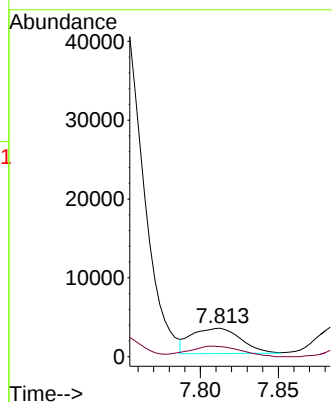
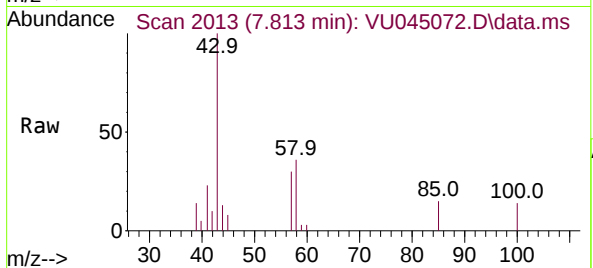




#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 7.813 min Scan# 2013
Delta R.T. 0.014 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

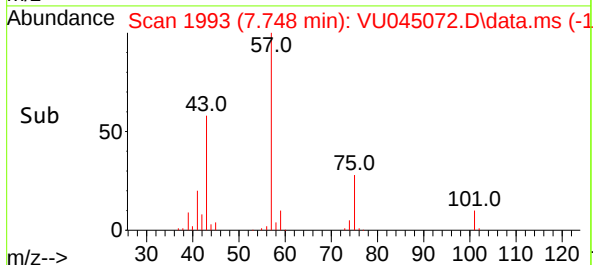
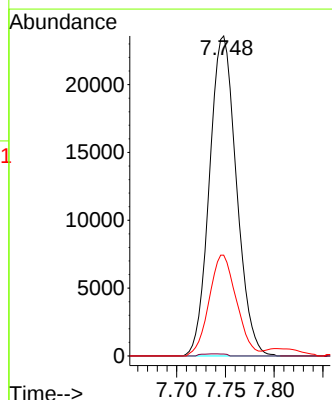
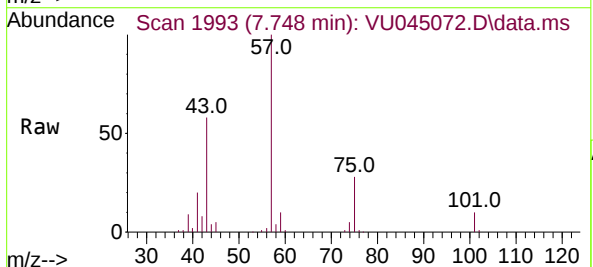
Instrument :
MSVOA_U
ClientSampled :

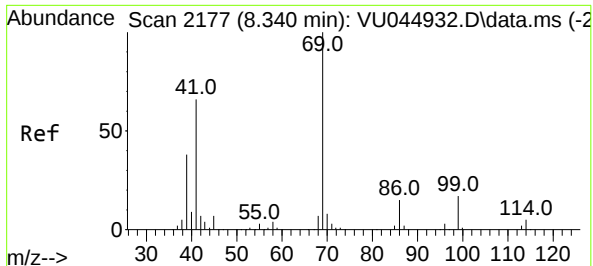
Tgt Ion: 43 Resp: 7055
Ion Ratio Lower Upper
43 100
58 44.1 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 9.340 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.138 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 75 Resp: 45357
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 31.5 41.4 62.2#

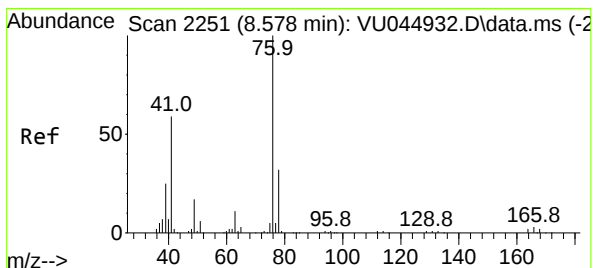
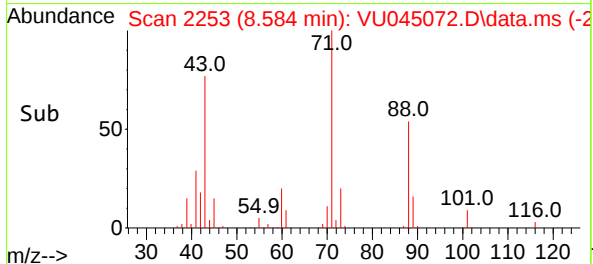
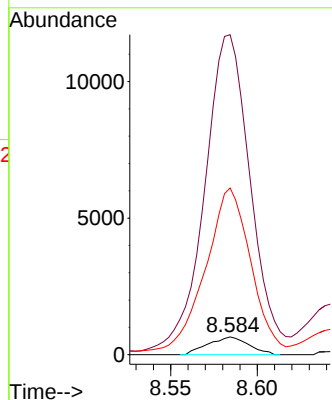
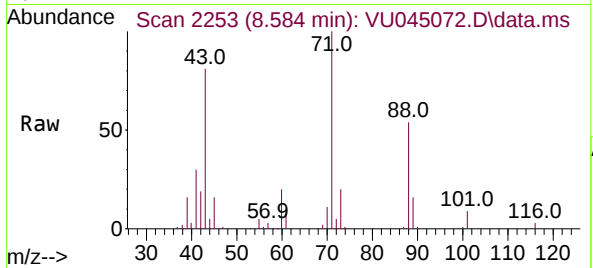




#56
Ethyl methacrylate
Concen: 1.992 ug/l
RT: 8.584 min Scan# 2253
Delta R.T. 0.244 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

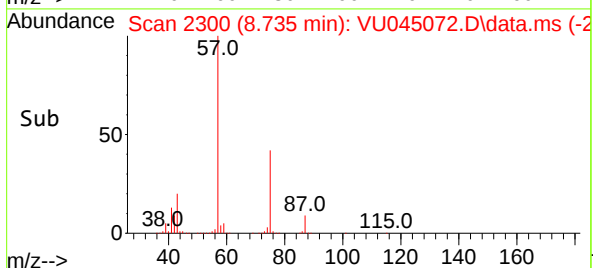
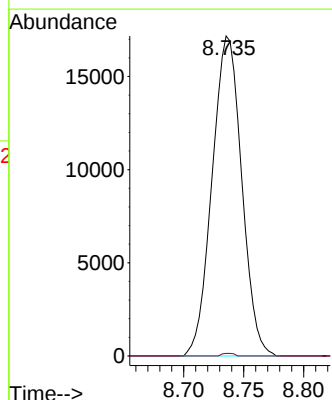
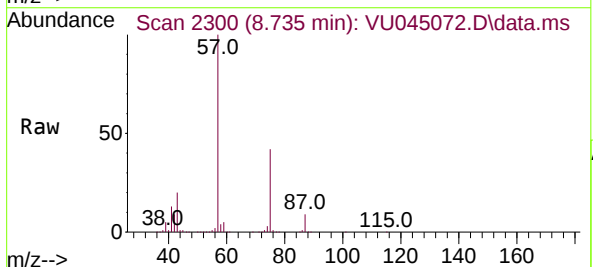
Instrument :
MSVOA_U
ClientSampled :

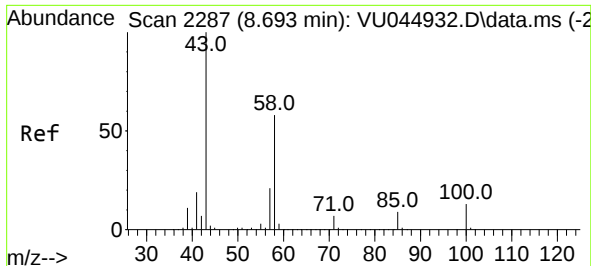
Tgt Ion: 69 Resp: 1059
Ion Ratio Lower Upper
69 100
41 1999.2 53.5 80.3#
39 1081.6 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 5.381 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 76 Resp: 29443
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

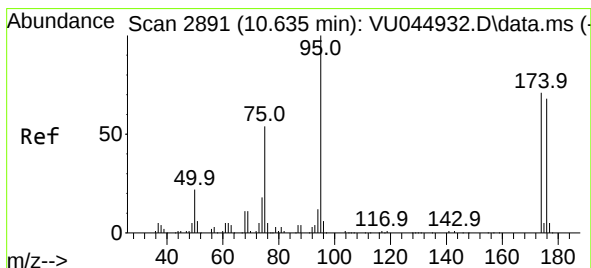
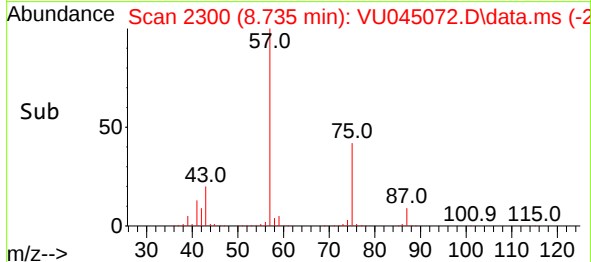
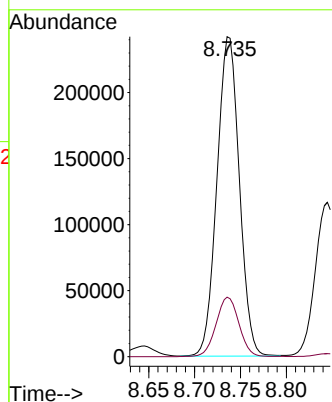
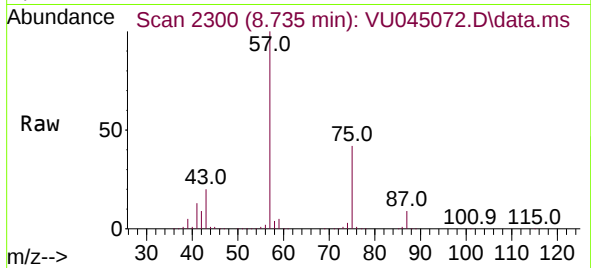




#59
2-Hexanone
Concen: 88.177 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

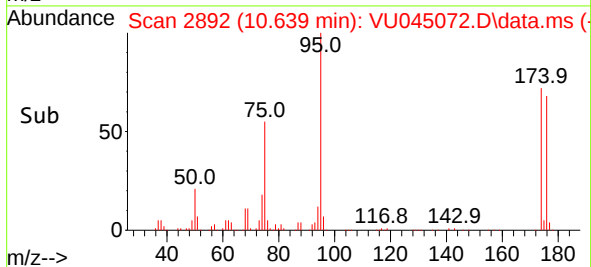
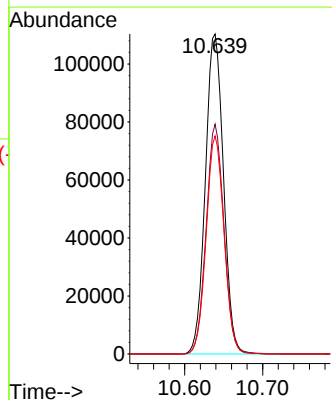
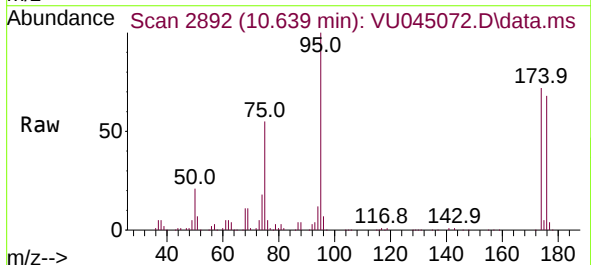
Instrument :
MSVOA_U
ClientSampled :

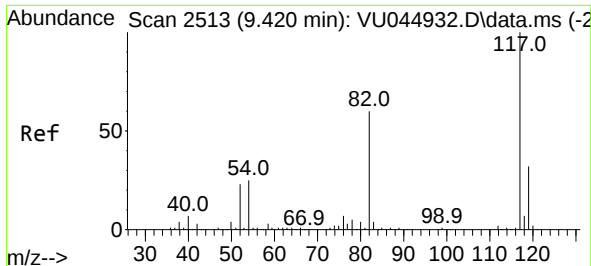
Tgt Ion: 43 Resp: 410745
Ion Ratio Lower Upper
43 100
58 19.1 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 45.806 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 95 Resp: 177919
Ion Ratio Lower Upper
95 100
174 70.5 0.0 146.6
176 67.2 0.0 141.2

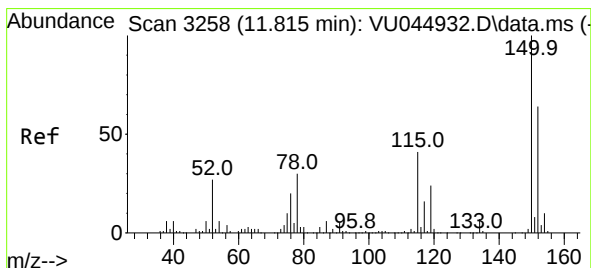
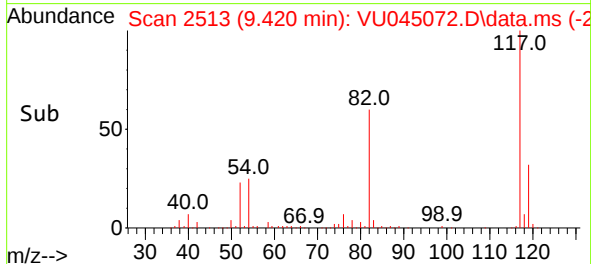
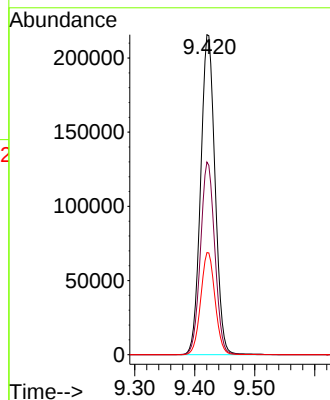
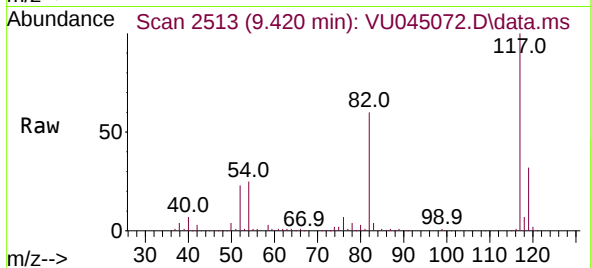




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

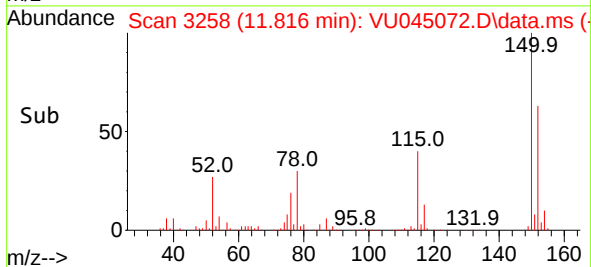
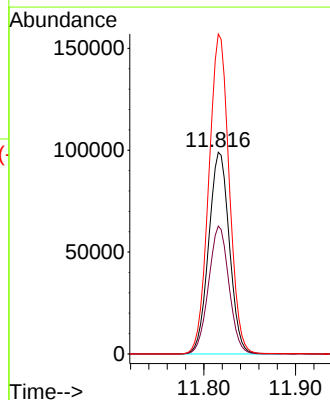
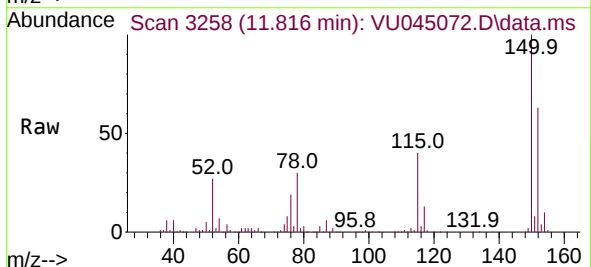
Instrument :
MSVOA_U
ClientSampleId :

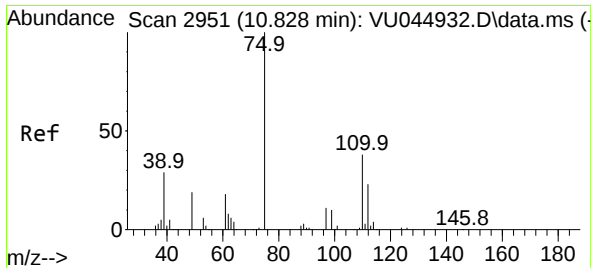
Tgt Ion:117 Resp: 360933
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion:152 Resp: 155033
Ion Ratio Lower Upper
152 100
115 62.5 43.5 130.7
150 156.4 0.0 350.0

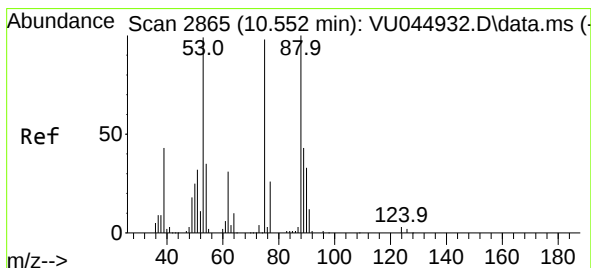
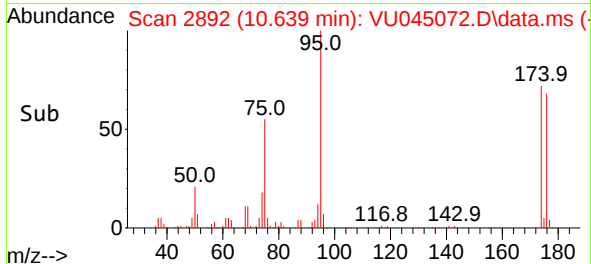
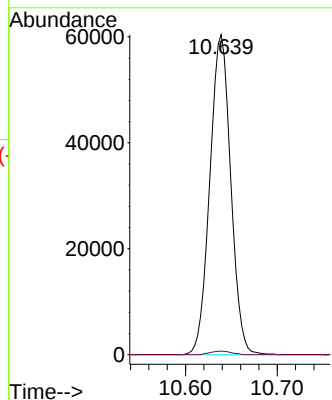
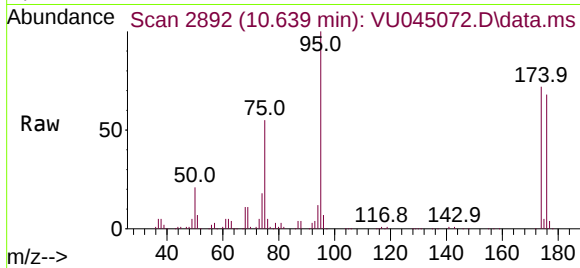




#76
1,2,3-Trichloropropane
Concen: 21.153 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.189 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 95654
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.703 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU045072.D
Acq: 01 Oct 2021 14:52

Tgt Ion: 75 Resp: 95654
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

