

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045070.D
 Acq On : 01 Oct 2021 14:05
 Operator : SY/MD
 Sample : PB139508ZHE#01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:11:09 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)

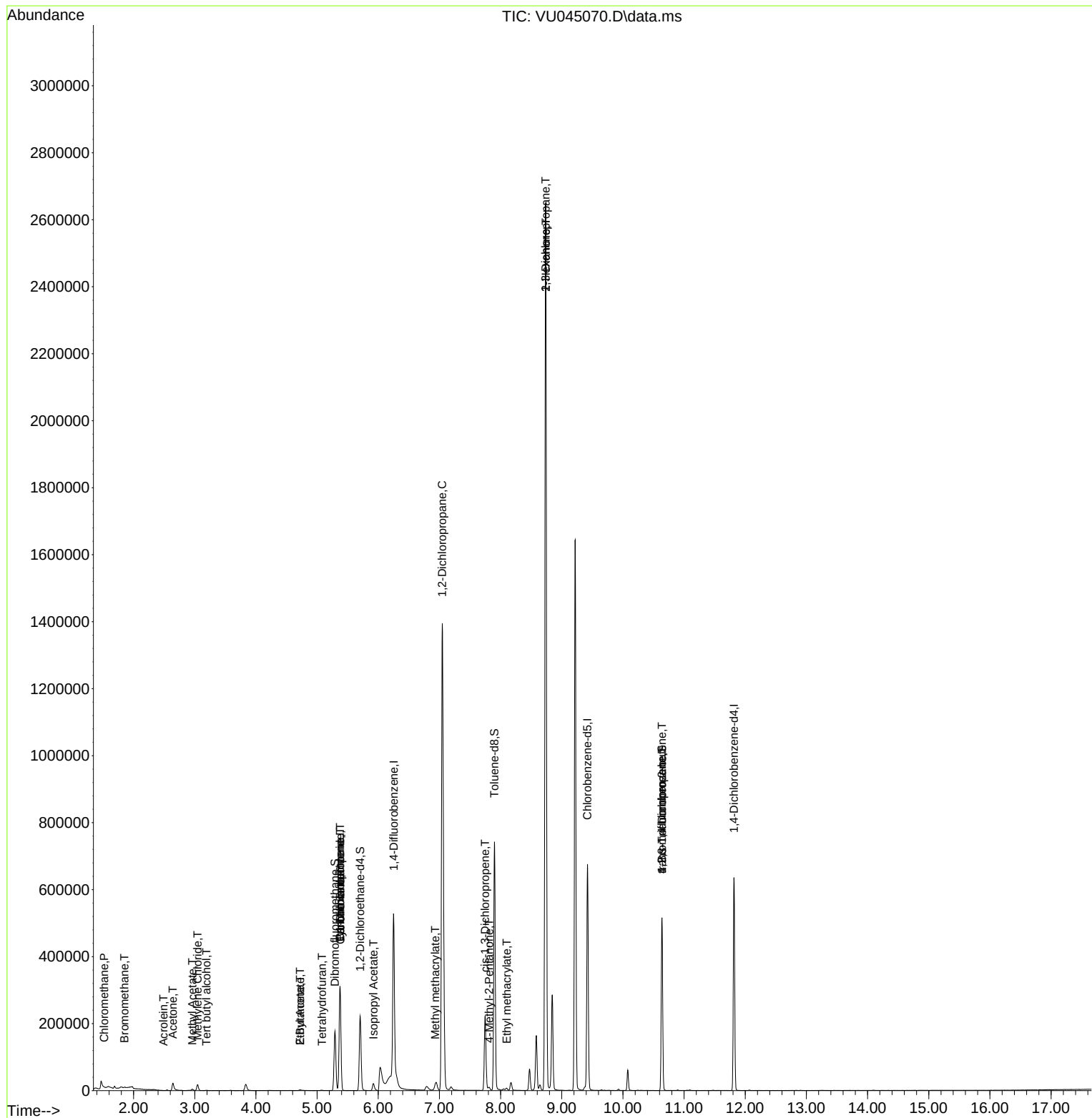
Internal Standards						
1) Pentafluorobenzene	5.375	168	201739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	376405	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	354630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	151868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	169639	50.515	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.020%			
35) Dibromofluoromethane	5.292	113	115087	48.468	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	7.899	98	471711	50.278	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.560%			
62) 4-Bromofluorobenzene	10.639	95	174734	45.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.220%			
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1243	0.384	ug/l #	76
5) Bromomethane	1.851	94	688	0.543	ug/l	92
11) Tert butyl alcohol	3.189	59	575	0.597	ug/l #	72
13) Acrolein	2.488	56	44	3.356	ug/l #	14
16) Acetone	2.642	43	33297	16.704	ug/l	99
18) Methyl Acetate	2.961	43	6502	1.116	ug/l #	89
20) Methylene Chloride	3.047	84	8758	2.917	ug/l	91
25) 2-Butanone	4.723	43	4619	1.631	ug/l	93
29) Tetrahydrofuran	5.083	42	985	0.584	ug/l #	45
31) Cyclohexane	5.378	56	5273	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19036	4.836	ug/l #	49
37) Ethyl Acetate	4.723	43	4619	0.887	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21155	6.211	ug/l #	15
43) Isopropyl Acetate	5.922	43	26575	3.392	ug/l	99
45) 1,2-Dichloropropane	7.044	63	2086	0.671	ug/l #	45
48) Methyl methacrylate	6.931	41	9160	2.402	ug/l #	14
49) 1,4-Dioxane	7.041	88	236	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.812	43	7207	1.263	ug/l	97
54) cis-1,3-Dichloropropene	7.745	75	45017	9.296	ug/l #	61
56) Ethyl methacrylate	8.099	69	4842	2.607	ug/l #	71
57) 1,3-Dichloropropane	8.735	76	29627	5.430	ug/l #	43
59) 2-Hexanone	8.739	43	409588	88.174	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	95462	21.550	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	95462	59.806	ug/l #	9

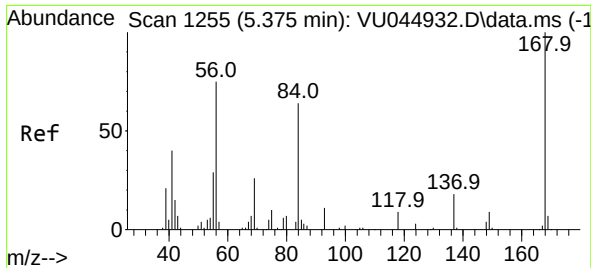
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

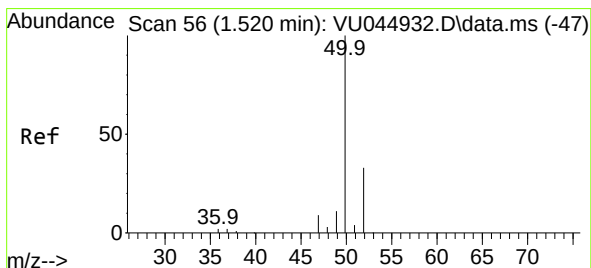
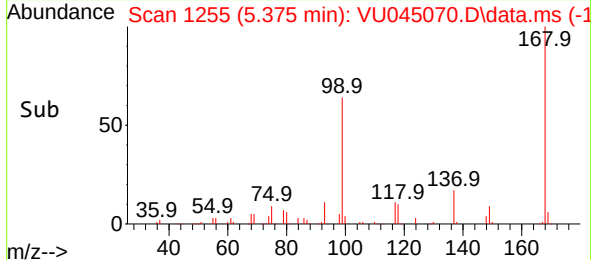
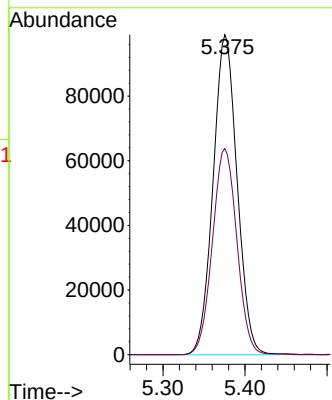
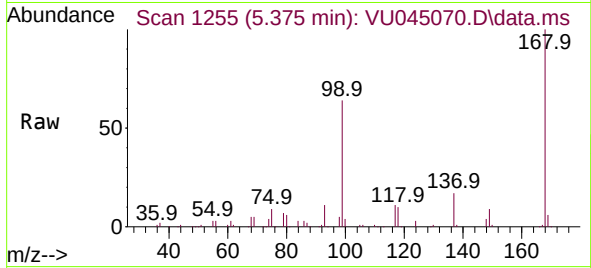




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

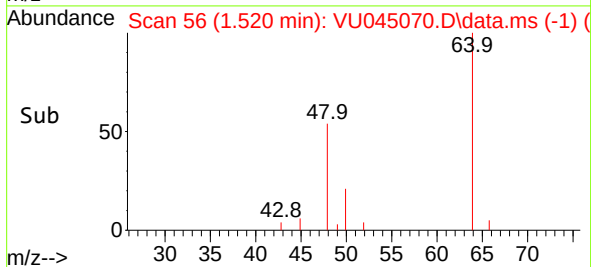
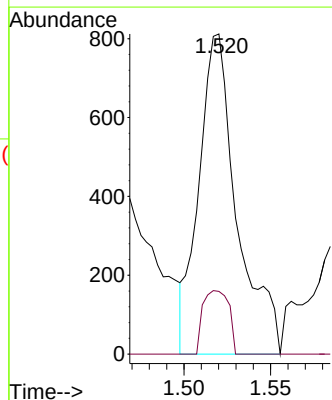
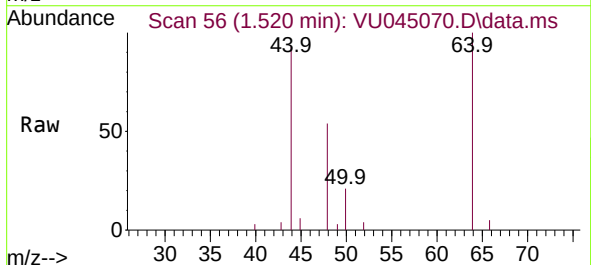
Instrument :
MSVOA_U
ClientSampled :

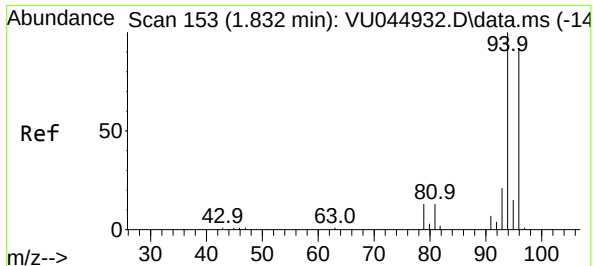
Tgt Ion:168 Resp: 201739
Ion Ratio Lower Upper
168 100
99 64.4 51.4 77.0



#3
Chloromethane
Concen: 0.384 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 50 Resp: 1243
Ion Ratio Lower Upper
50 100
52 19.6 26.3 39.5#

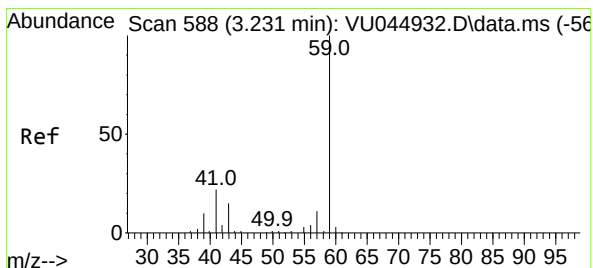
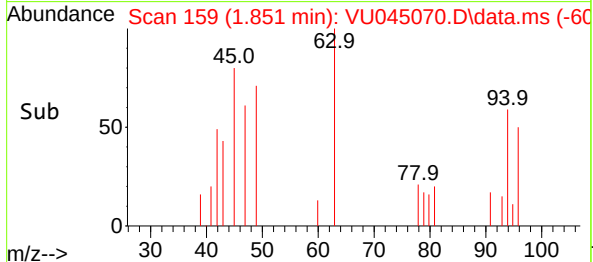
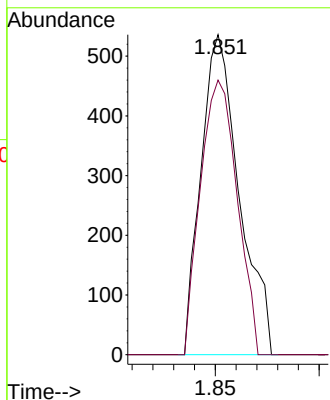
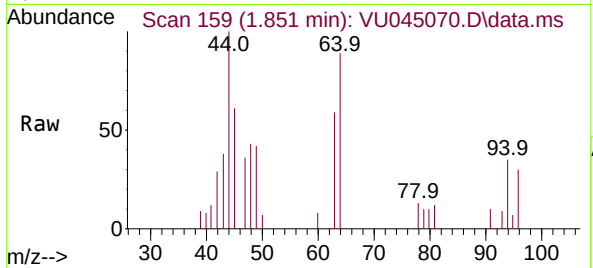




#5
Bromomethane
Concen: 0.543 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.019 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

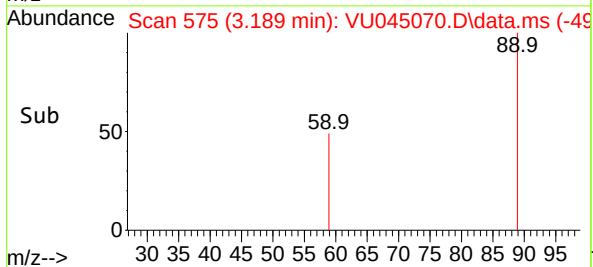
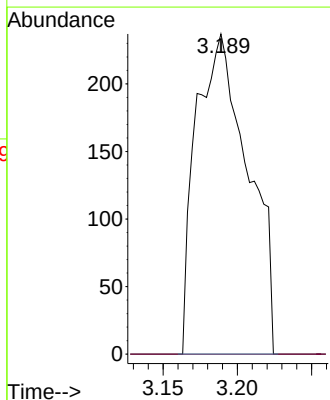
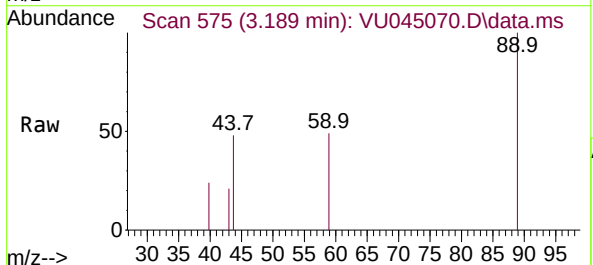
Instrument :
MSVOA_U
ClientSampleId :

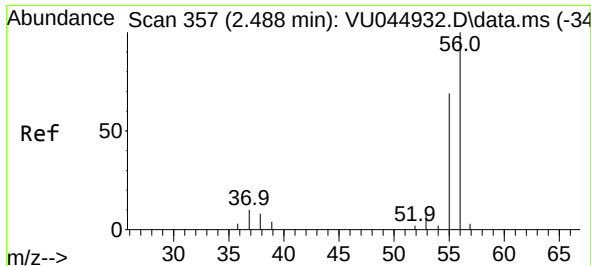
Tgt Ion: 94 Resp: 688
Ion Ratio Lower Upper
94 100
96 85.8 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.597 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

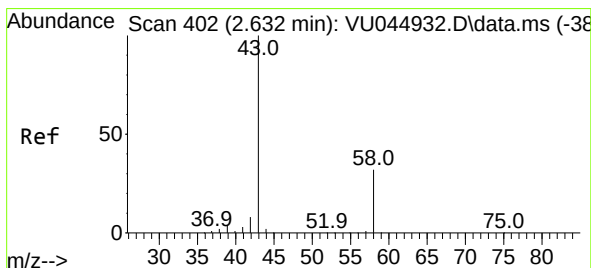
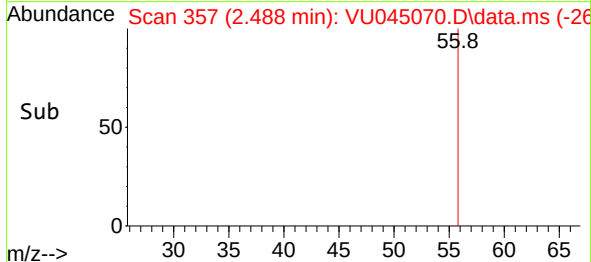
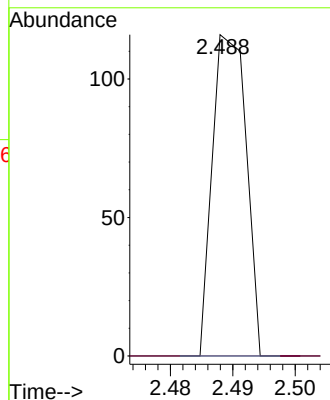
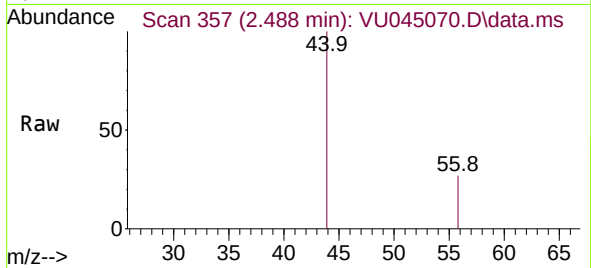




#13
Acrolein
Concen: 3.356 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

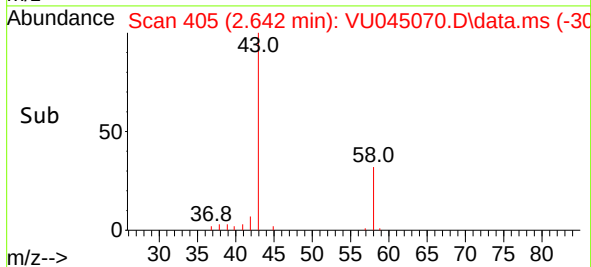
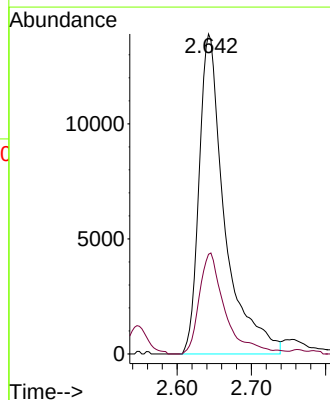
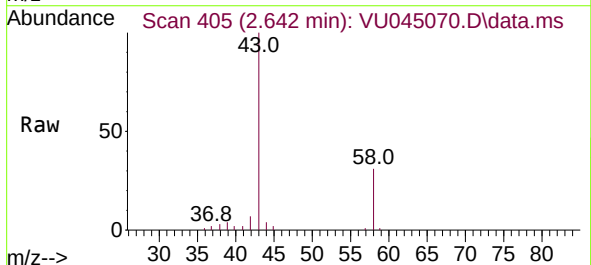
Instrument :
MSVOA_U
ClientSampled :

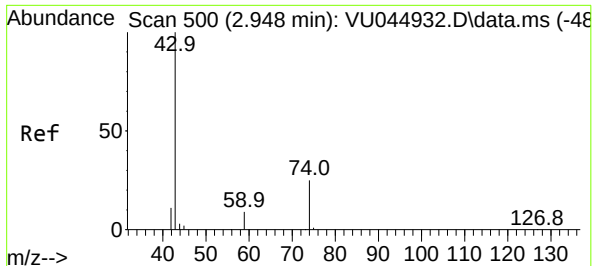
Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 16.704 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.010 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

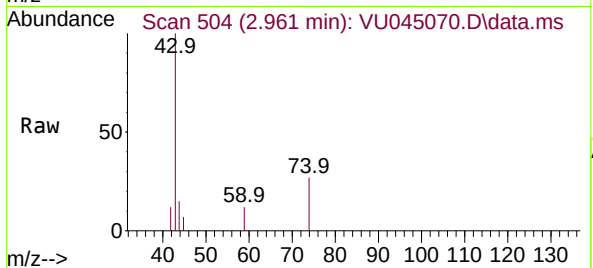
Tgt Ion: 43 Resp: 33297
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8



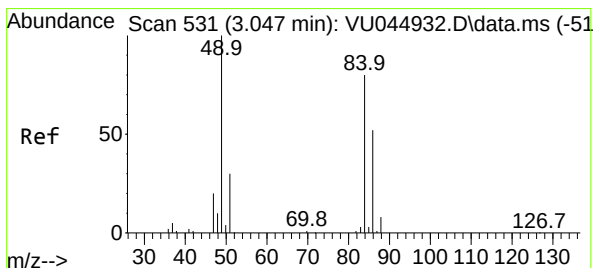
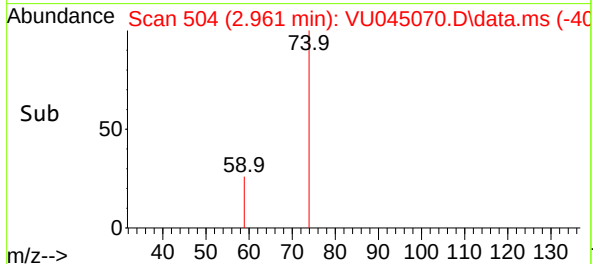
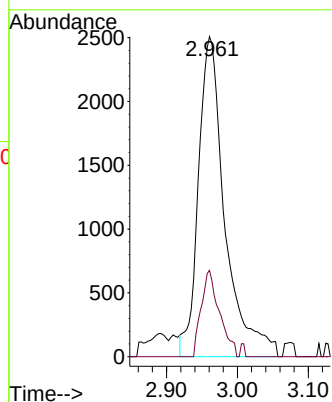


#18
Methyl Acetate
Concen: 1.116 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Instrument :
MSVOA_U
ClientSampled :

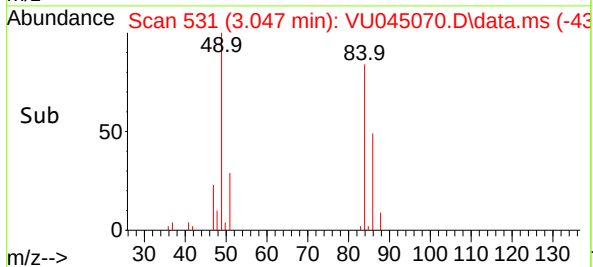
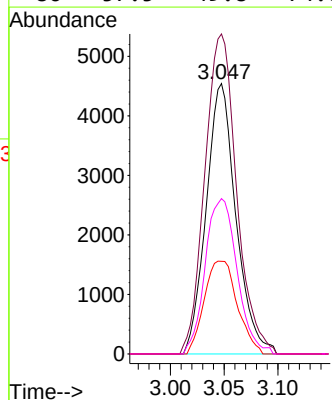
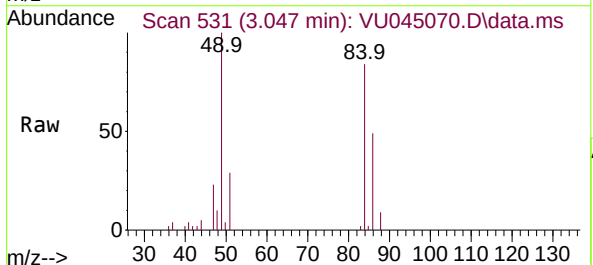


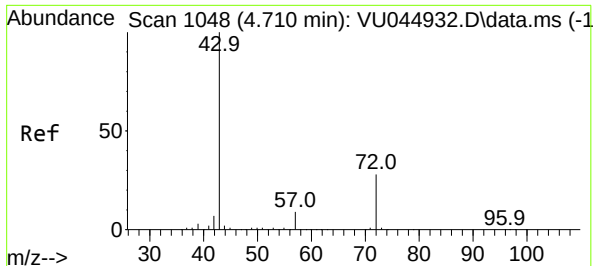
Tgt Ion: 43 Resp: 6502
Ion Ratio Lower Upper
43 100
74 18.6 19.0 28.6#



#20
Methylene Chloride
Concen: 2.917 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 84 Resp: 8758
Ion Ratio Lower Upper
84 100
49 118.4 104.9 157.3
51 34.3 31.8 47.8
86 57.5 49.8 74.6

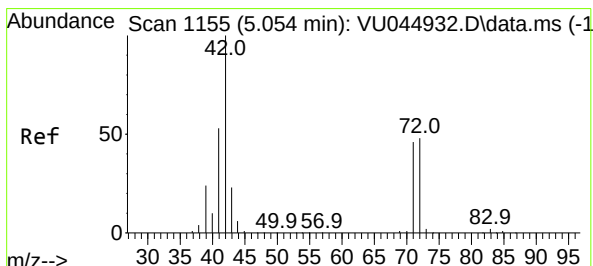
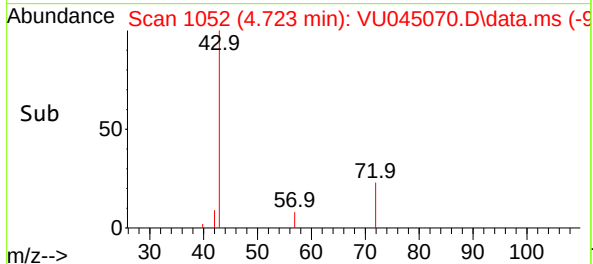
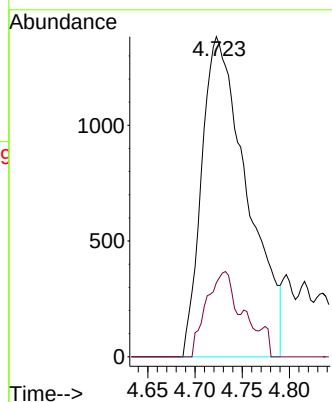
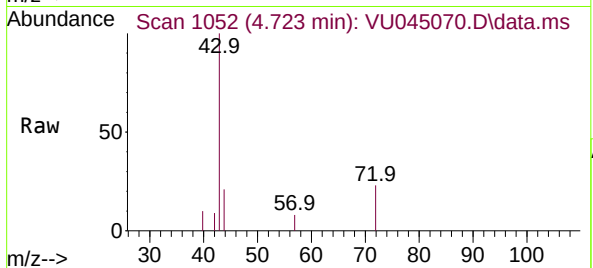




#25
2-Butanone
Concen: 1.631 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

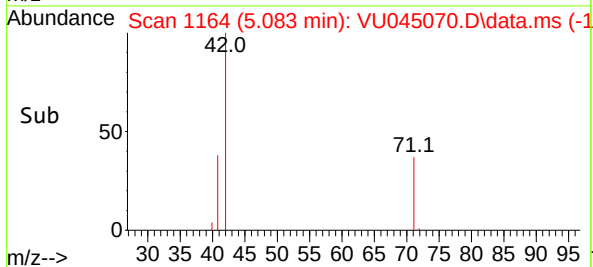
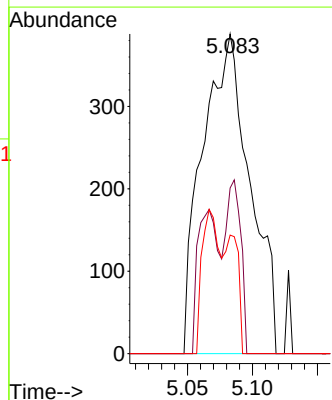
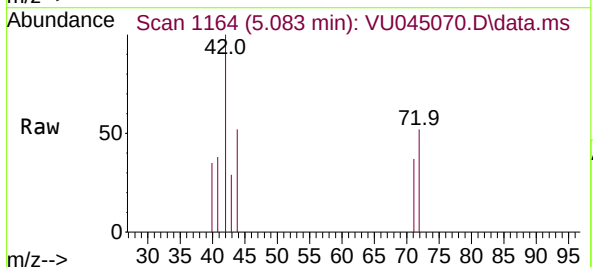
Instrument :
MSVOA_U
ClientSampleId :

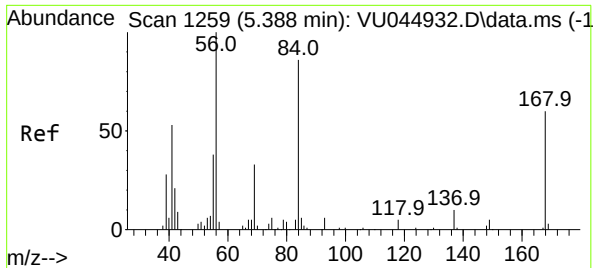
Tgt Ion: 43 Resp: 4619
Ion Ratio Lower Upper
43 100
72 23.1 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.584 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. 0.029 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 42 Resp: 985
Ion Ratio Lower Upper
42 100
72 16.8 36.2 54.4#
71 0.0 34.1 51.1#

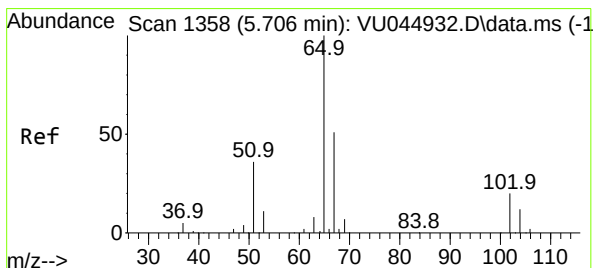
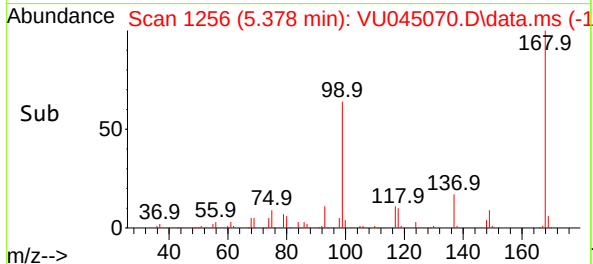
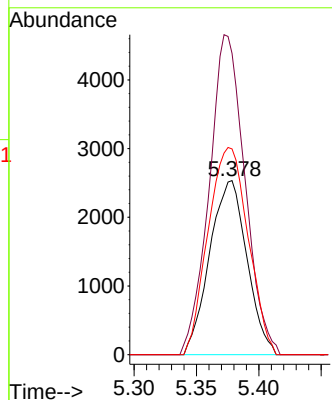
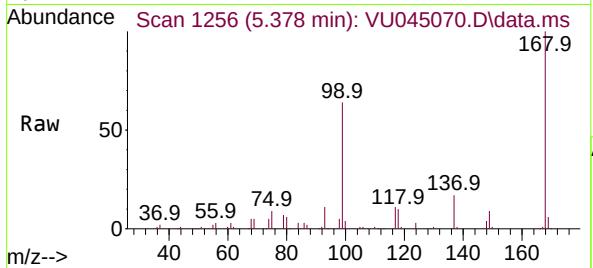




#31
Cyclohexane
Concen: 1.034 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.010 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

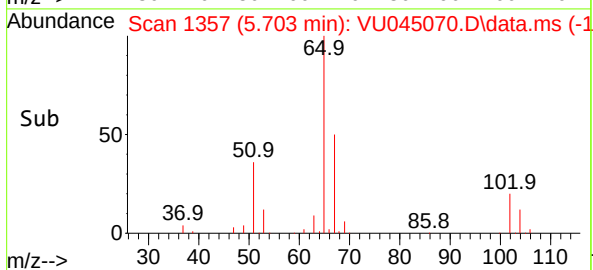
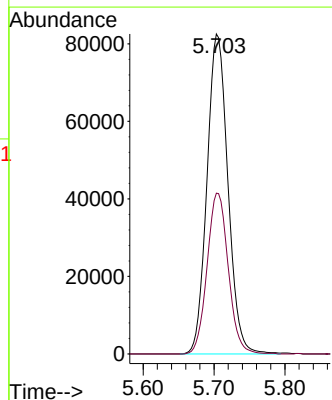
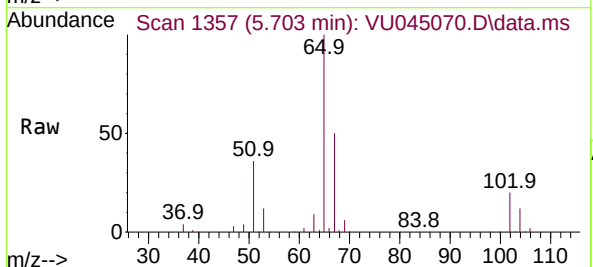
Instrument :
MSVOA_U
ClientSampleId :

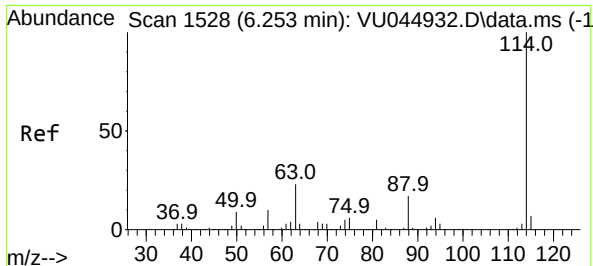
Tgt Ion: 56 Resp: 5273
Ion Ratio Lower Upper
56 100
69 173.1 25.2 37.8#
84 118.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.515 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 65 Resp: 169639
Ion Ratio Lower Upper
65 100
67 50.8 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: VU045070.D

Acq: 01 Oct 2021 14:05

Tgt Ion:114 Resp: 376405

Ion Ratio Lower Upper

114 100

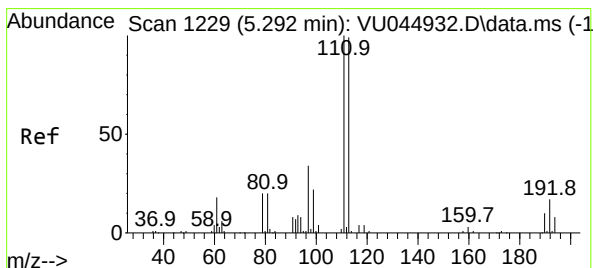
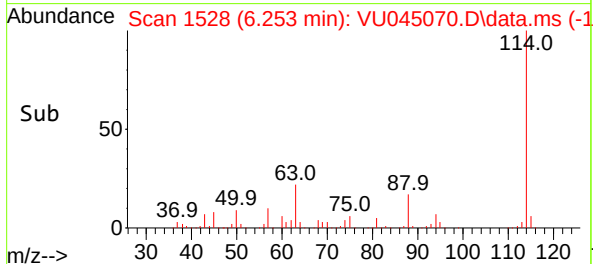
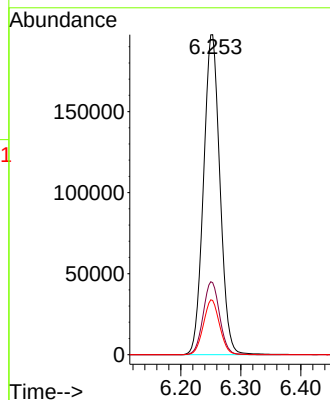
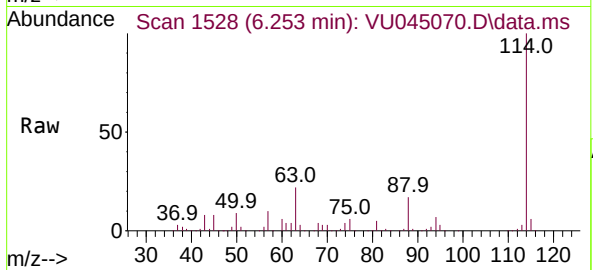
63 22.5 0.0 47.8

88 16.9 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :



#35

Dibromofluoromethane

Concen: 48.468 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045070.D

Acq: 01 Oct 2021 14:05

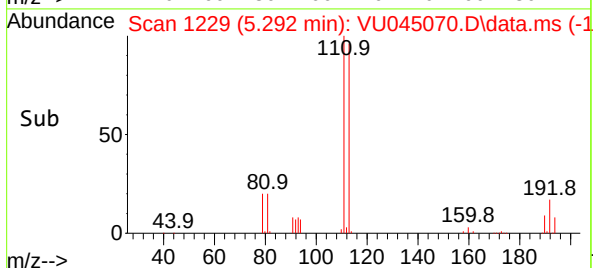
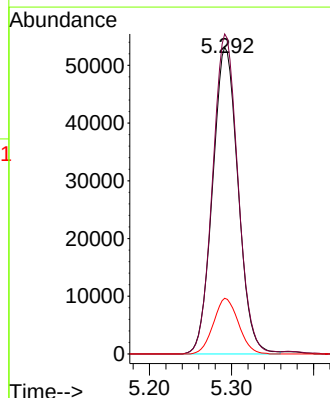
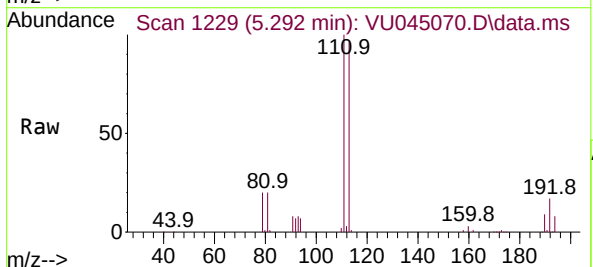
Tgt Ion:113 Resp: 115087

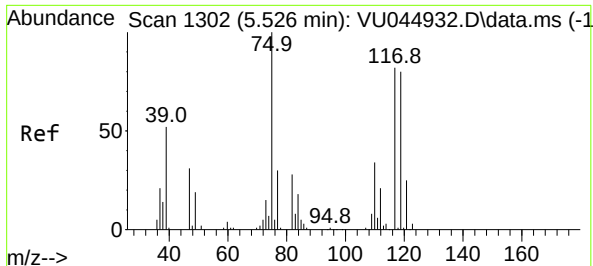
Ion Ratio Lower Upper

113 100

111 103.5 84.1 126.1

192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 5.375 min Scan# 1255

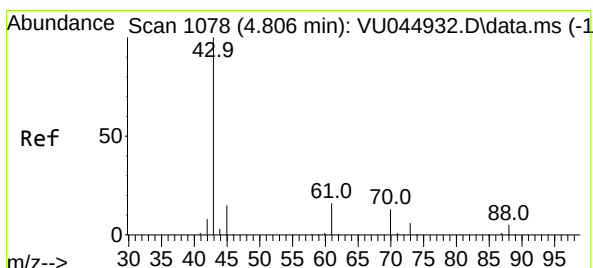
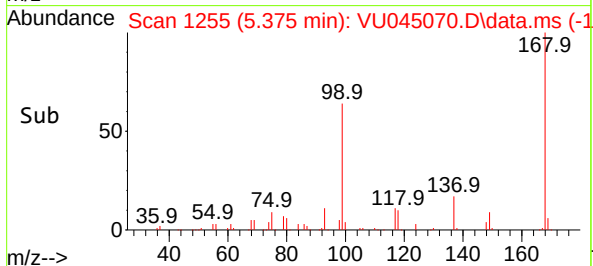
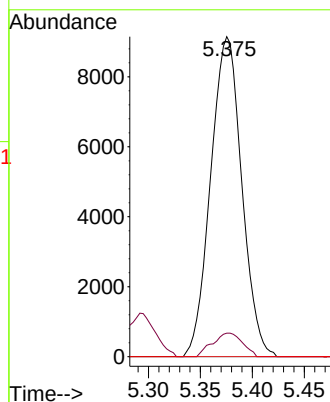
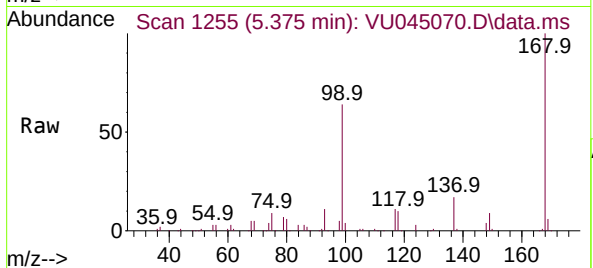
Delta R.T. -0.151 min

Lab File: VU045070.D

Acq: 01 Oct 2021 14:05

Tgt Ion:	75	Resp:	19036
Ion Ratio	Lower	Upper	
75	100		
110	7.1	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampled :



#37

Ethyl Acetate

Concen: 0.887 ug/l

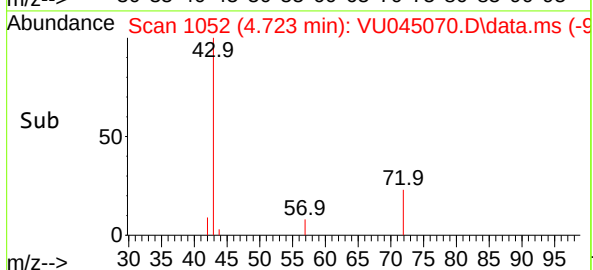
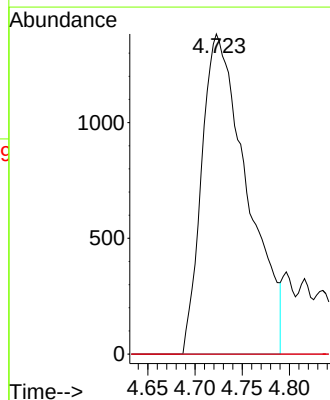
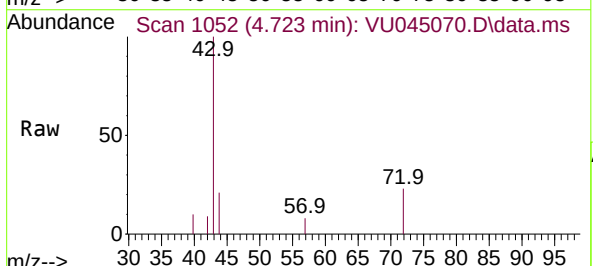
RT: 4.723 min Scan# 1052

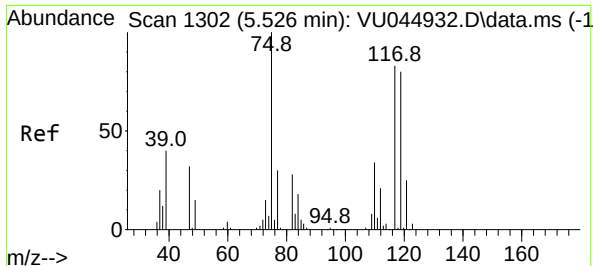
Delta R.T. -0.083 min

Lab File: VU045070.D

Acq: 01 Oct 2021 14:05

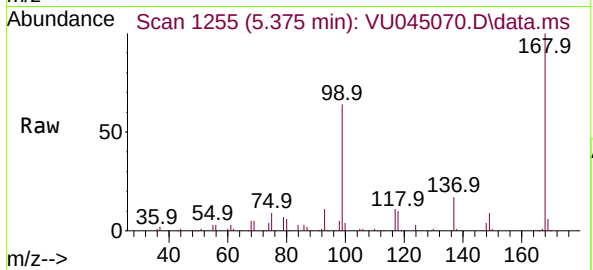
Tgt Ion:	43	Resp:	4619
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



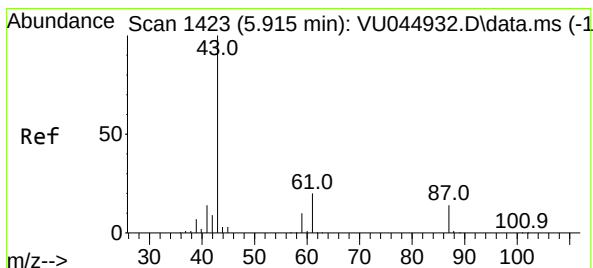
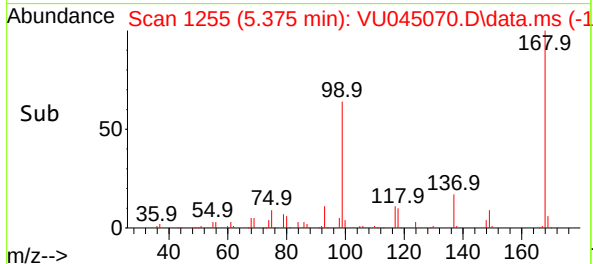
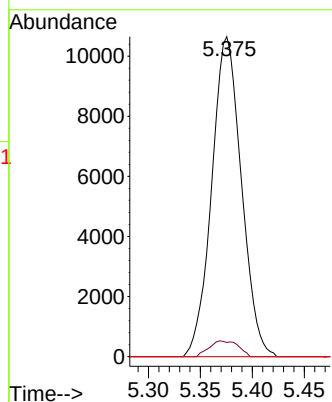


#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Instrument :
MSVOA_U
ClientSampleId :

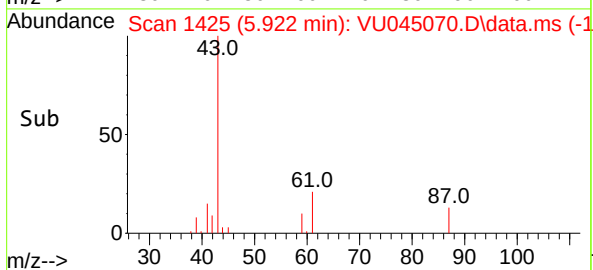
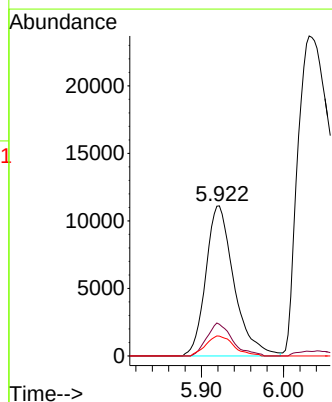
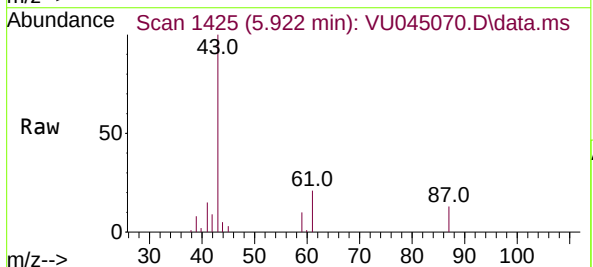


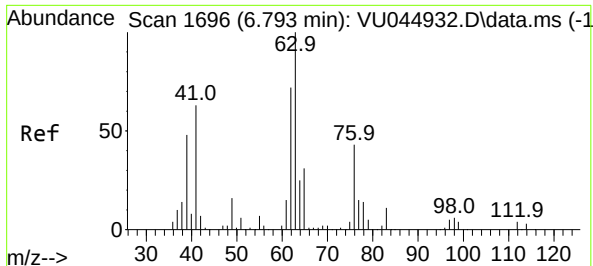
Tgt Ion:117 Resp: 21155
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.392 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.007 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 43 Resp: 26575
Ion Ratio Lower Upper
43 100
61 19.8 16.1 24.1
87 13.1 10.3 15.5



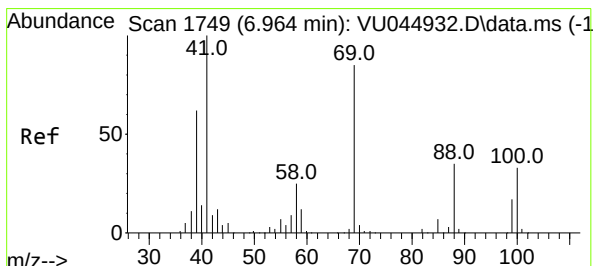
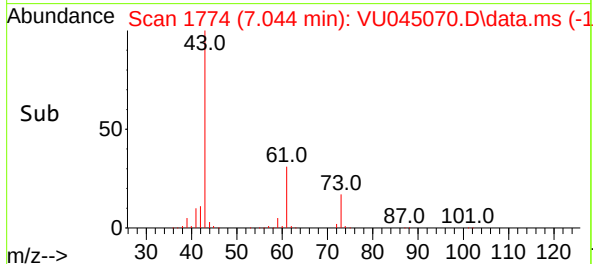
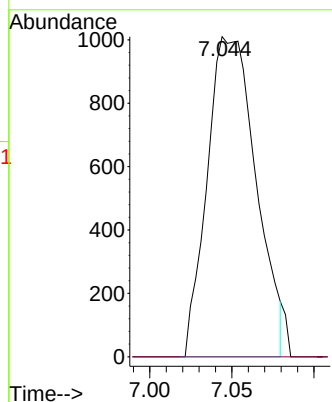
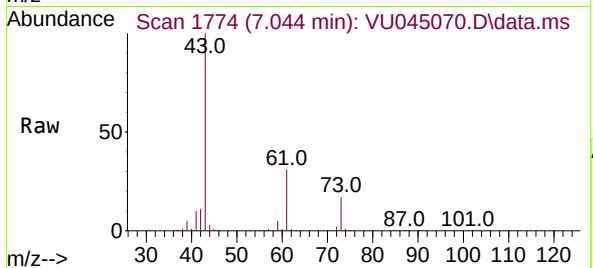


#45

1,2-Dichloropropane
Concen: 0.671 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.251 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Instrument :
MSVOA_U
ClientSampled :

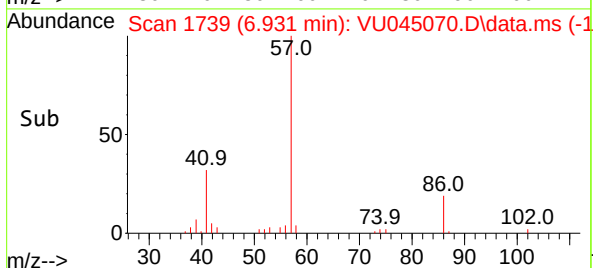
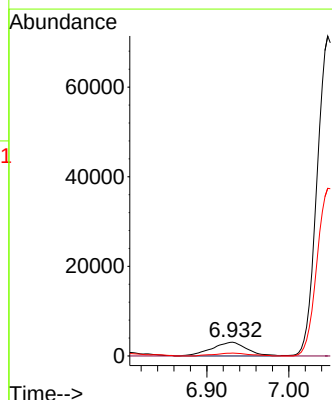
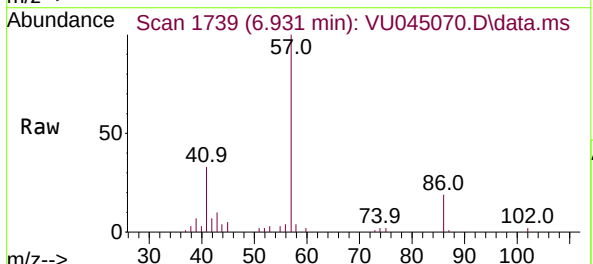
Tgt Ion: 63 Resp: 2086
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

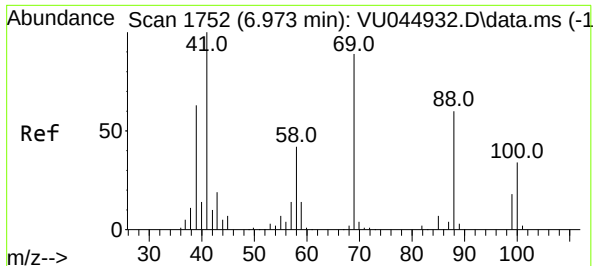


#48

Methyl methacrylate
Concen: 2.402 ug/l
RT: 6.931 min Scan# 1739
Delta R.T. -0.033 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 41 Resp: 9160
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: 7.041 min Scan# 1773

Delta R.T. 0.068 min

Lab File: VU045070.D

Acq: 01 Oct 2021 14:05

Tgt Ion: 88 Resp: 236

Ion Ratio Lower Upper

88 100

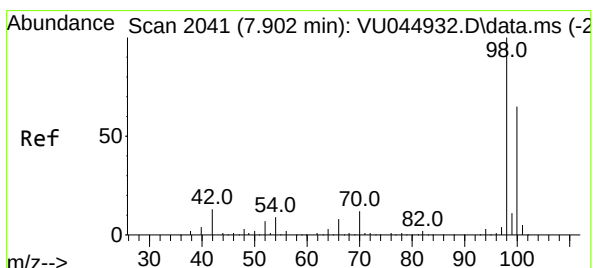
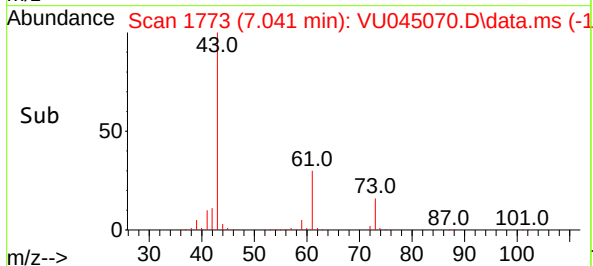
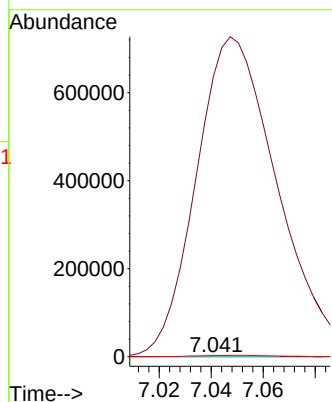
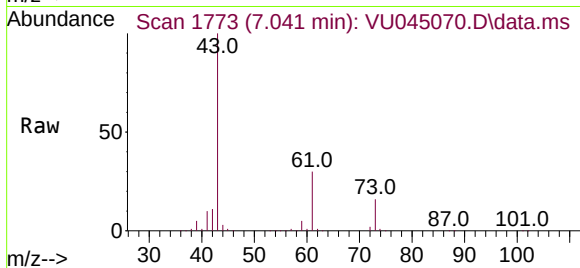
43 673441.5 25.8 38.6#

58 2855.5 61.3 91.9#

Instrument :

MSVOA_U

ClientSampleId :



#50

Toluene-d8

Concen: 50.278 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU045070.D

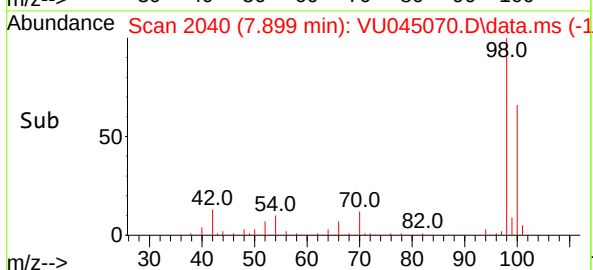
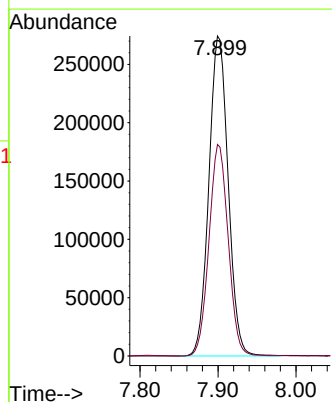
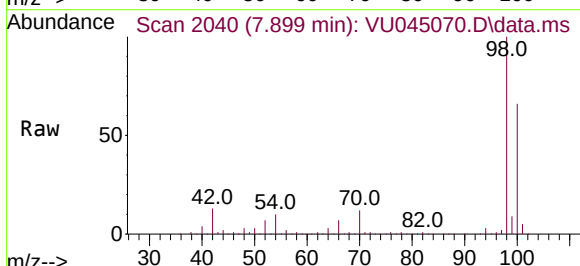
Acq: 01 Oct 2021 14:05

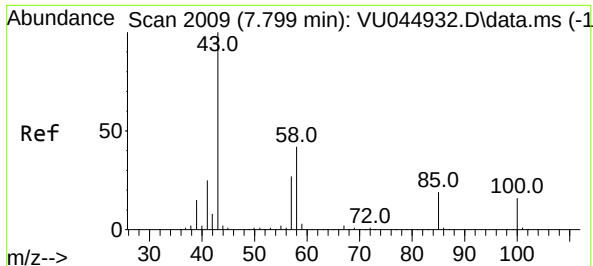
Tgt Ion: 98 Resp: 471711

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7

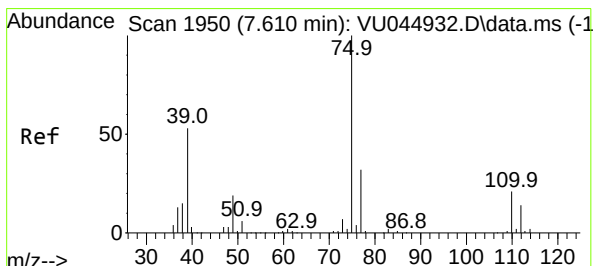
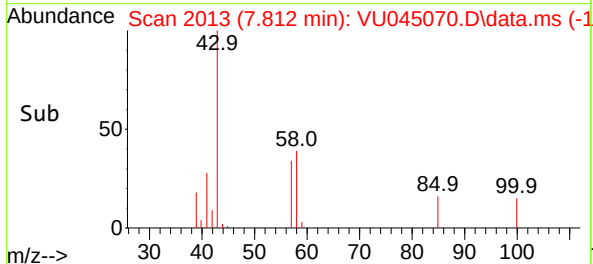
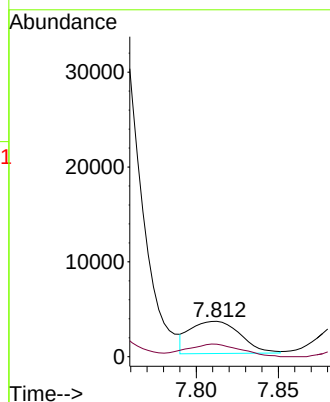
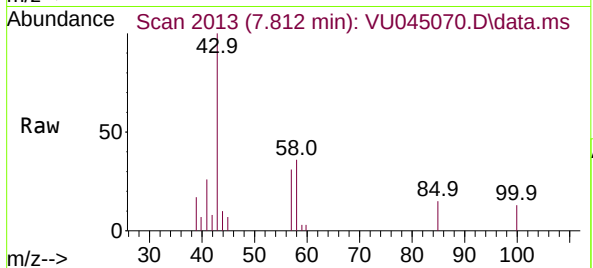




#51
4-Methyl-2-Pentanone
Concen: 1.263 ug/l
RT: 7.812 min Scan# 2013
Delta R.T. 0.013 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

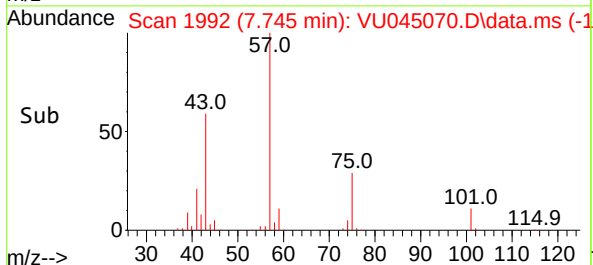
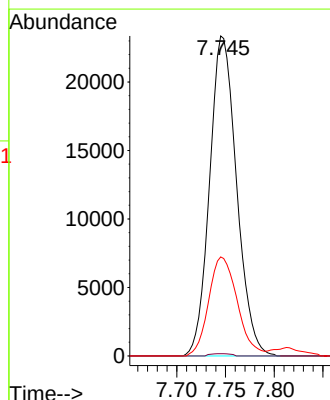
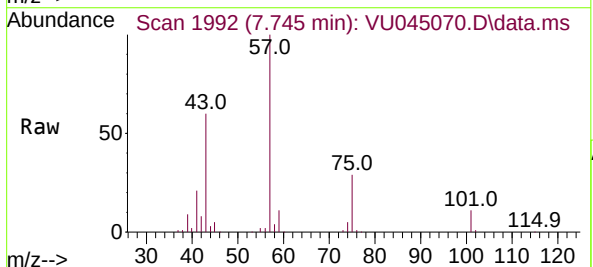
Instrument :
MSVOA_U
ClientSampleId :

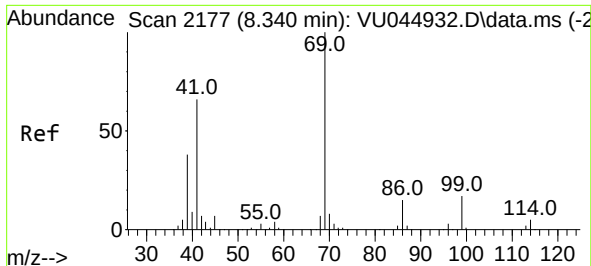
Tgt Ion: 43 Resp: 7207
Ion Ratio Lower Upper
43 100
58 42.3 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 9.296 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.135 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 75 Resp: 45017
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.6#
39 31.0 41.4 62.2#

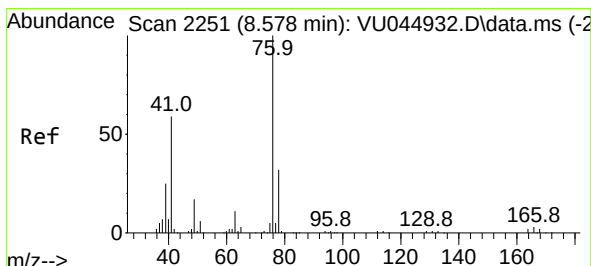
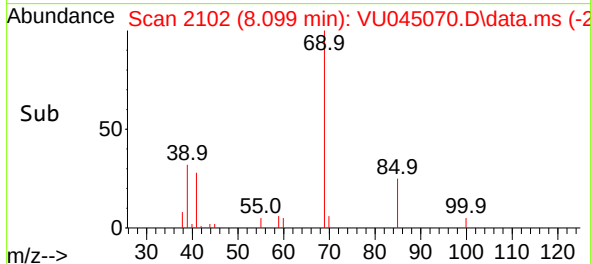
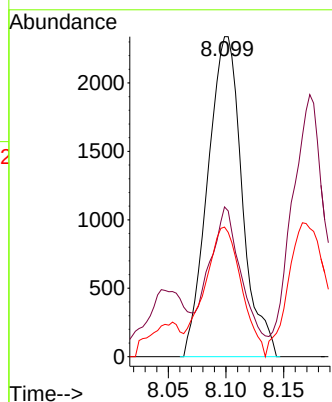
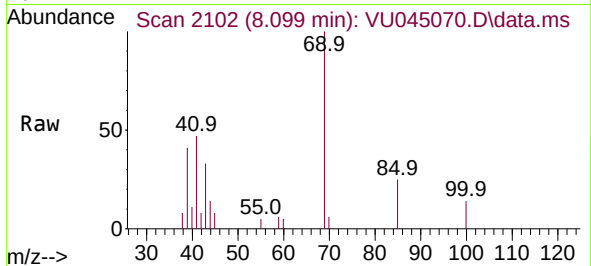




#56
Ethyl methacrylate
Concen: 2.607 ug/l
RT: 8.099 min Scan# 2102
Delta R.T. -0.241 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

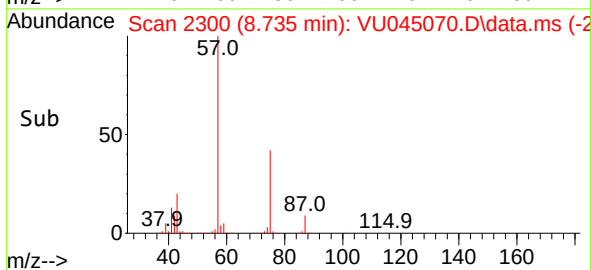
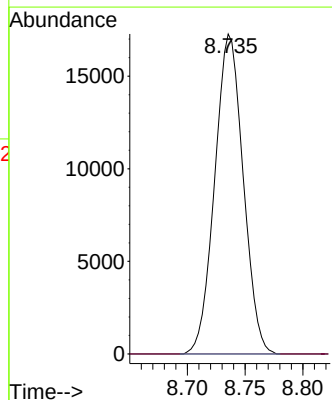
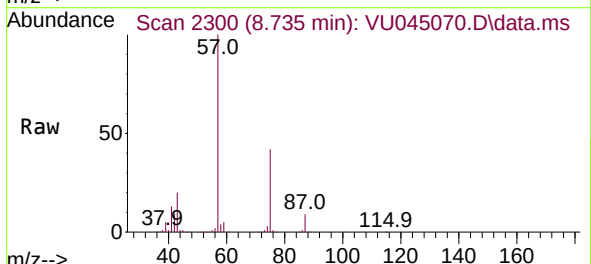
Instrument :
MSVOA_U
ClientSampleId :

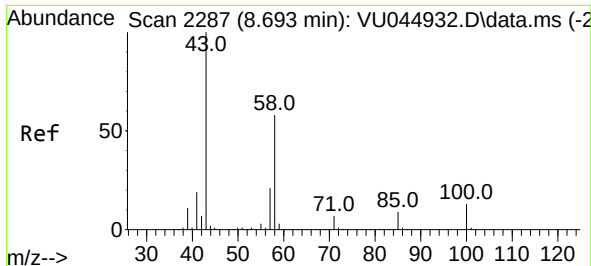
Tgt Ion: 69 Resp: 4842
Ion Ratio Lower Upper
69 100
41 34.3 53.5 80.3#
39 43.6 31.1 46.7



#57
1,3-Dichloropropane
Concen: 5.430 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 76 Resp: 29627
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

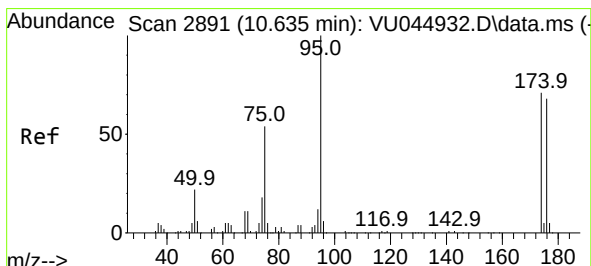
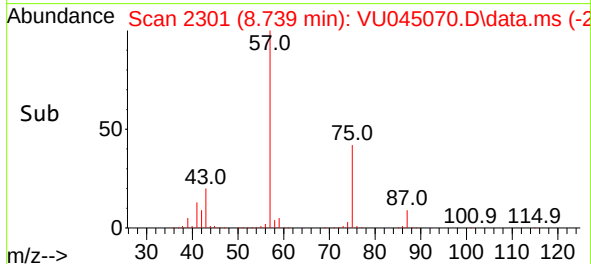
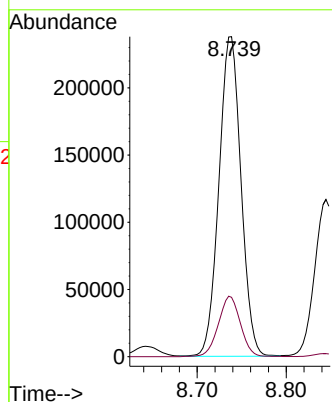
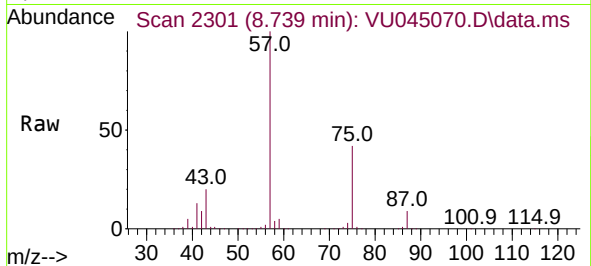




#59
2-Hexanone
Concen: 88.174 ug/l
RT: 8.739 min Scan# 2301
Delta R.T. 0.046 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

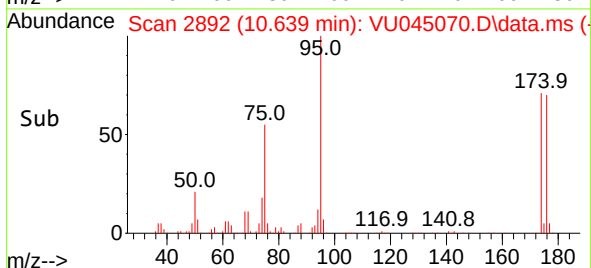
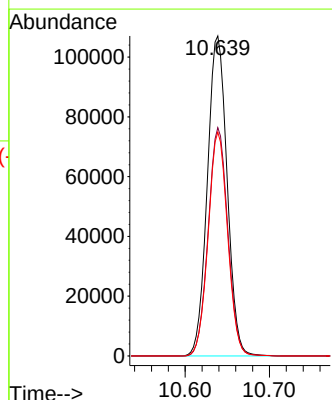
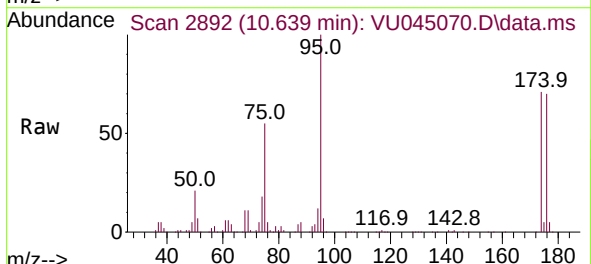
Instrument :
MSVOA_U
ClientSampled :

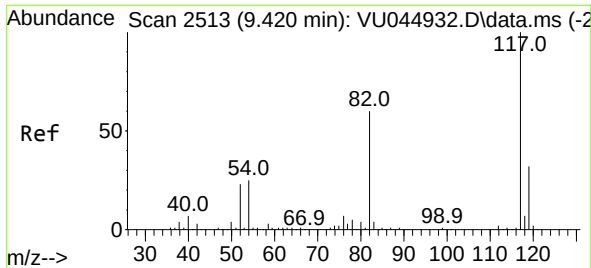
Tgt Ion: 43 Resp: 409588
Ion Ratio Lower Upper
43 100
58 19.0 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 45.111 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 95 Resp: 174734
Ion Ratio Lower Upper
95 100
174 70.9 0.0 146.6
176 68.7 0.0 141.2

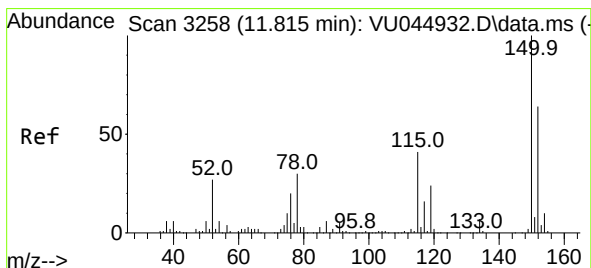
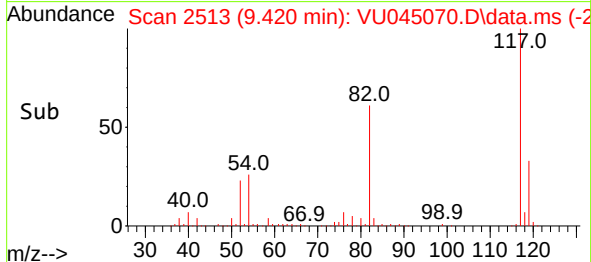
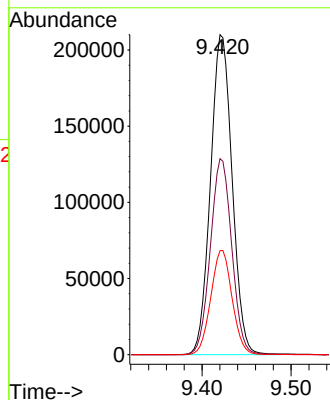
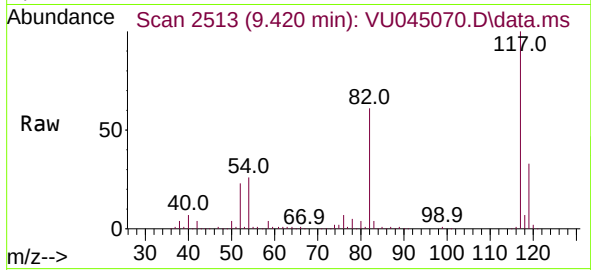




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

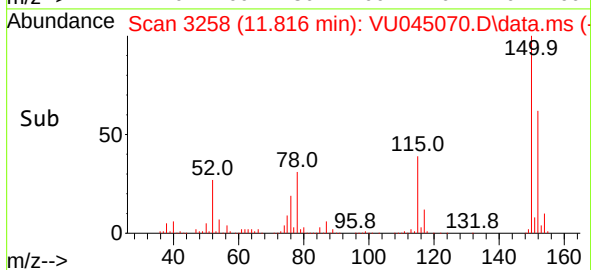
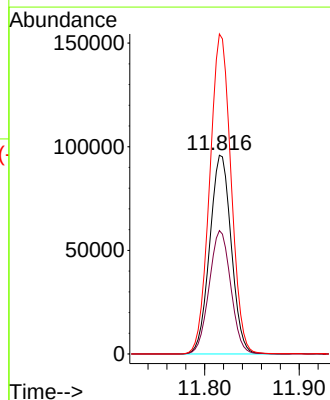
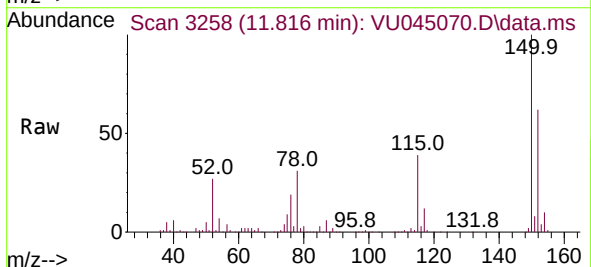
Instrument :
MSVOA_U
ClientSampled :

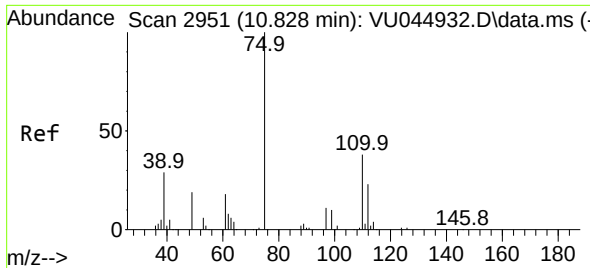
Tgt Ion:117 Resp: 354630
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion:152 Resp: 151868
Ion Ratio Lower Upper
152 100
115 62.1 43.5 130.7
150 159.6 0.0 350.0

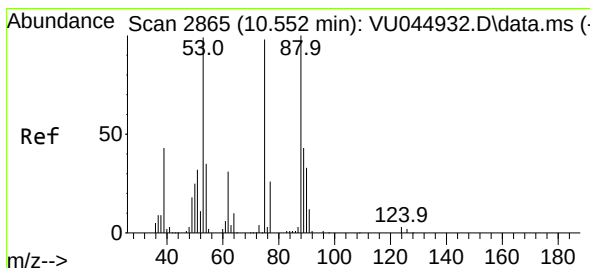
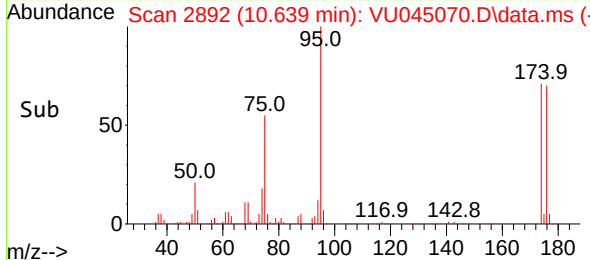
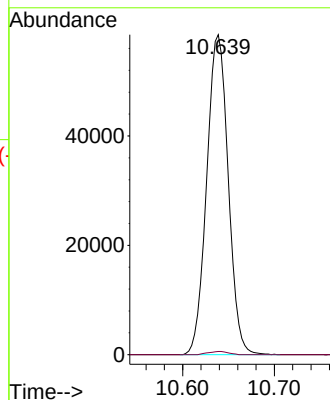
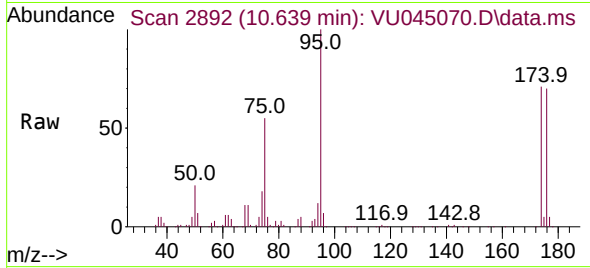




#76
1,2,3-Trichloropropane
Concen: 21.550 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.189 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 95462
Ion Ratio Lower Upper
75 100
77 0.9 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.806 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU045070.D
Acq: 01 Oct 2021 14:05

Tgt Ion: 75 Resp: 95462
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

