

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045075.D
 Acq On : 01 Oct 2021 16:02
 Operator : SY/MD
 Sample : M3999-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:12:12 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)

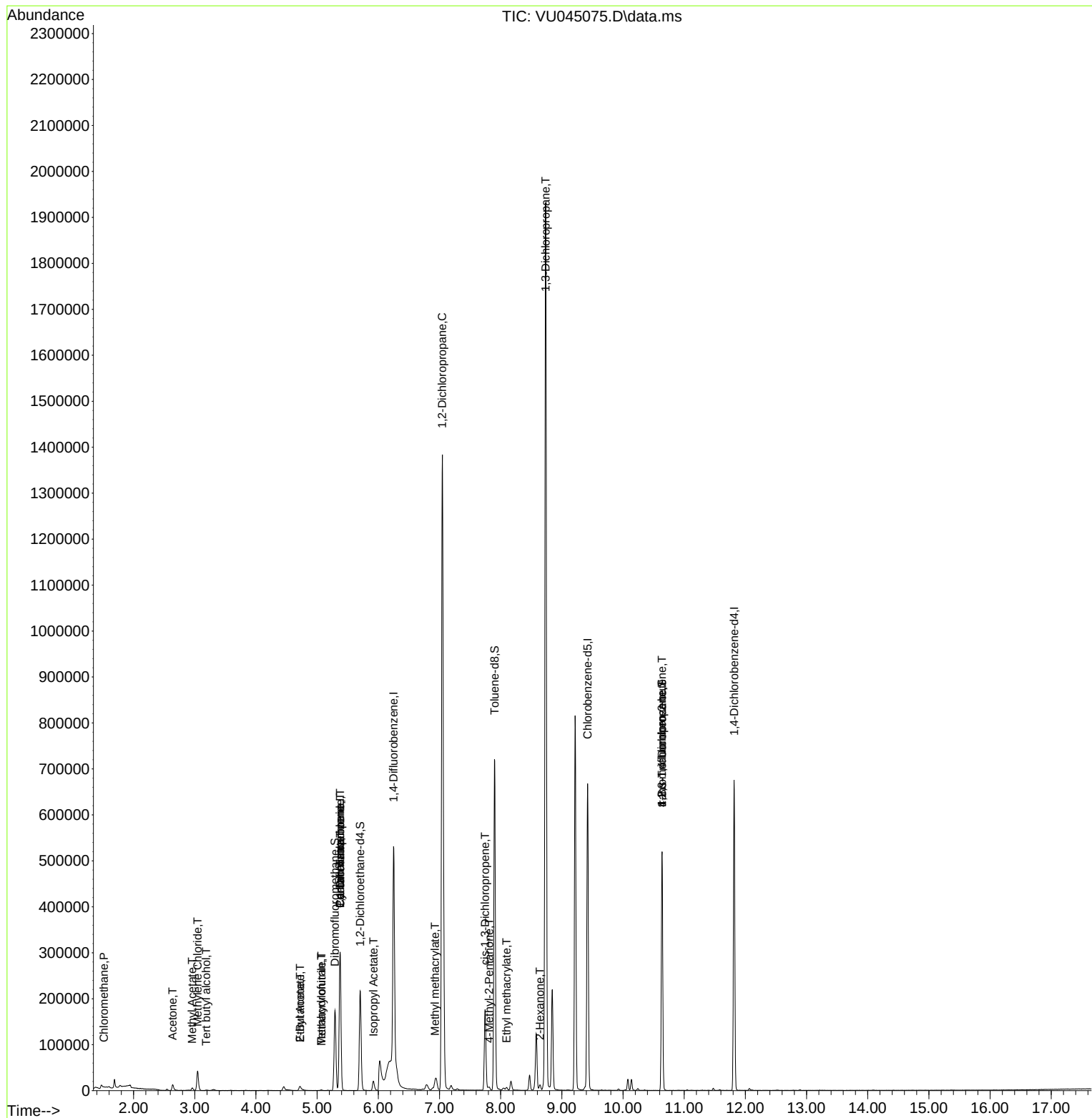
Internal Standards						
1) Pentafluorobenzene	5.375	168	196819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	367492	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	351758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	158969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	165746	50.589	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.180%			
35) Dibromofluoromethane	5.292	113	112290	48.437	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	7.899	98	461610	50.395	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.800%			
62) 4-Bromofluorobenzene	10.639	95	175123	46.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.620%			
Target Compounds					Qvalue	
3) Chloromethane	1.517	50	943	0.299	ug/l	92
11) Tert butyl alcohol	3.189	59	1079	1.147	ug/l #	72
16) Acetone	2.639	43	16462	8.465	ug/l	94
18) Methyl Acetate	2.957	43	7157	1.259	ug/l	96
20) Methylene Chloride	3.047	84	20489	6.995	ug/l	98
25) 2-Butanone	4.719	43	18311	6.627	ug/l	96
29) Tetrahydrofuran	5.070	42	1254	0.762	ug/l #	57
31) Cyclohexane	5.375	56	5377	1.080	ug/l #	3
36) 1,1-Dichloropropene	5.375	75	18141	4.720	ug/l #	49
37) Ethyl Acetate	4.719	43	18311	3.601	ug/l #	69
38) Carbon Tetrachloride	5.375	117	20090	6.041	ug/l #	15
41) Methacrylonitrile	5.073	41	595	0.227	ug/l #	30
43) Isopropyl Acetate	5.922	43	24711	3.230	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1916	0.631	ug/l #	45
48) Methyl methacrylate	6.928	41	10521	2.825	ug/l #	14
49) 1,4-Dioxane	7.051	88	109	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.809	43	5589	1.004	ug/l	99
54) cis-1,3-Dichloropropene	7.745	75	34616	7.321	ug/l #	60
56) Ethyl methacrylate	8.099	69	4484	2.566	ug/l #	78
57) 1,3-Dichloropropane	8.735	76	20976	3.938	ug/l #	43
59) 2-Hexanone	8.642	43	9487	2.092	ug/l #	23
76) 1,2,3-Trichloropropane	10.639	75	94975	20.483	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	94975	56.843	ug/l #	9

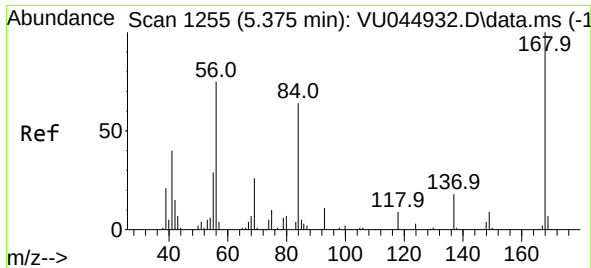
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
Data File : VU045075.D
Acq On : 01 Oct 2021 16:02
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 02 03:12:12 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

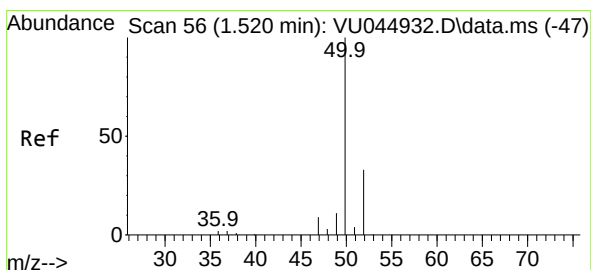
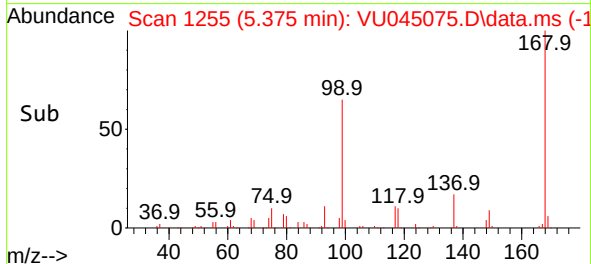
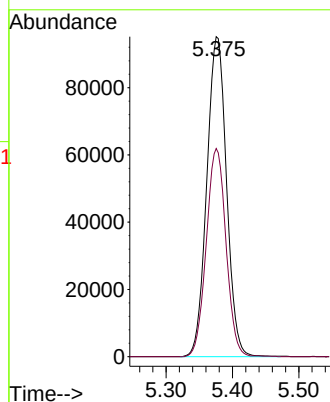
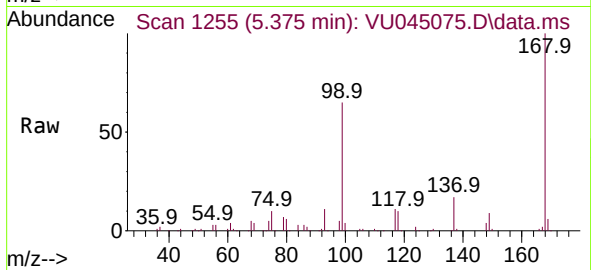




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

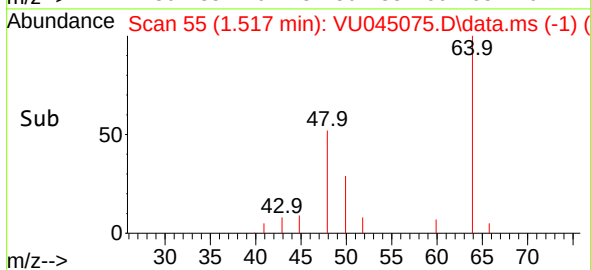
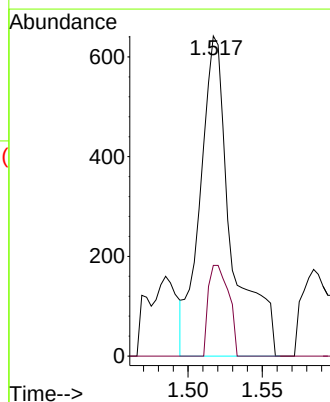
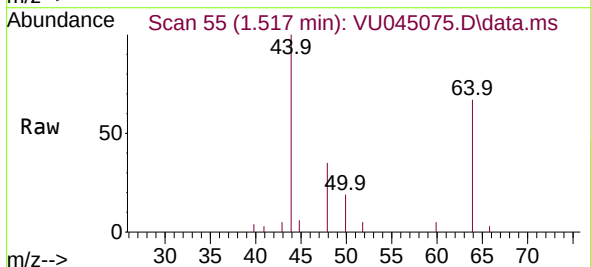
Instrument :
MSVOA_U
ClientSampleId :

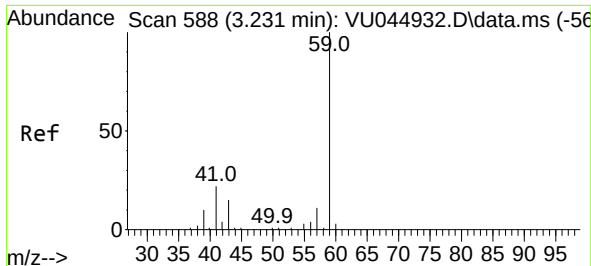
Tgt Ion:168 Resp: 196819
Ion Ratio Lower Upper
168 100
99 65.1 51.4 77.0



#3
Chloromethane
Concen: 0.299 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 28.3 26.3 39.5

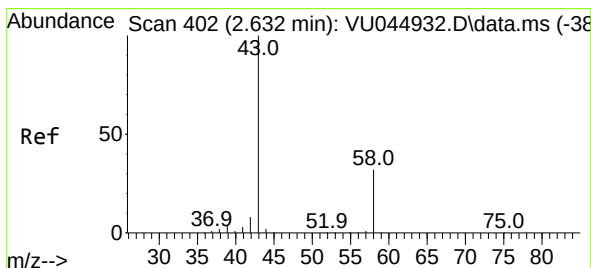
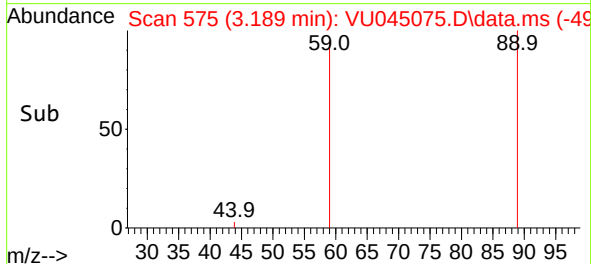
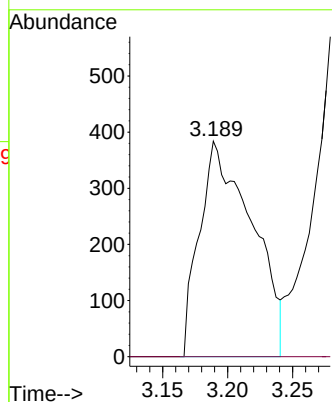
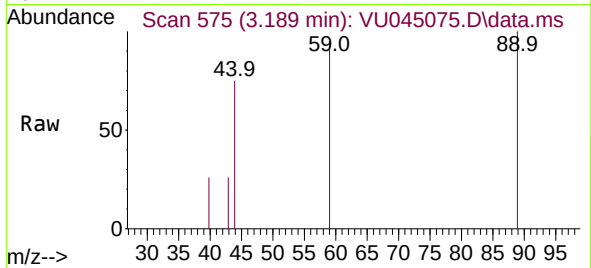




#11
Tert butyl alcohol
Concen: 1.147 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

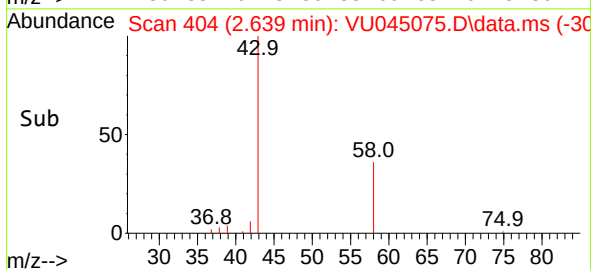
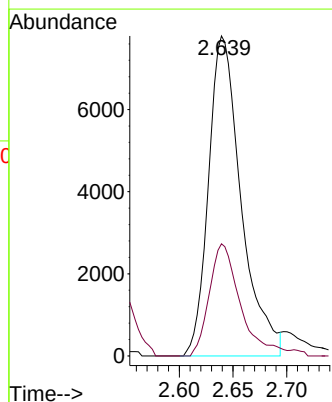
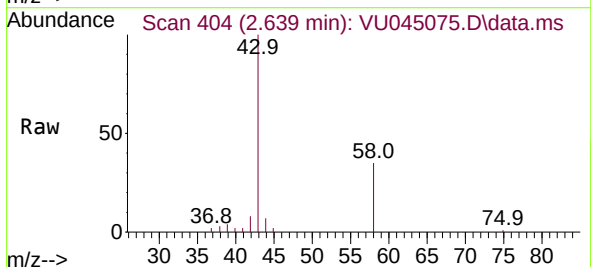
Instrument :
MSVOA_U
ClientSampled :

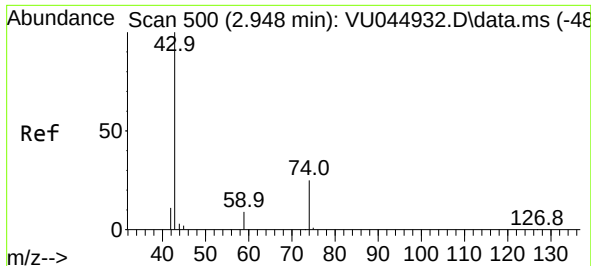
Tgt Ion: 59 Resp: 1079
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 8.465 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

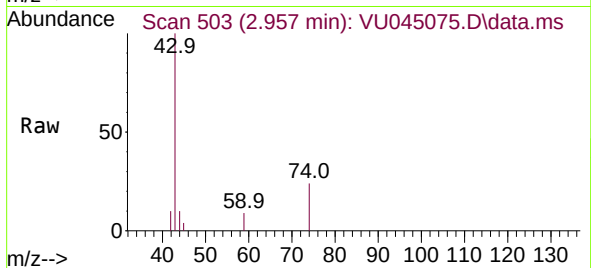
Tgt Ion: 43 Resp: 16462
Ion Ratio Lower Upper
43 100
58 35.0 25.2 37.8



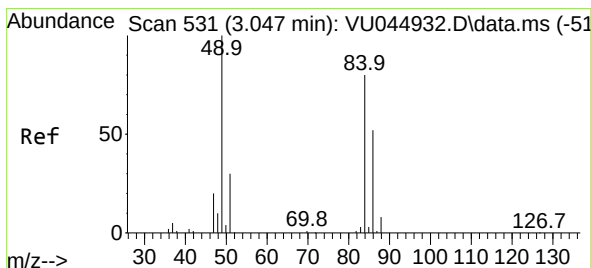
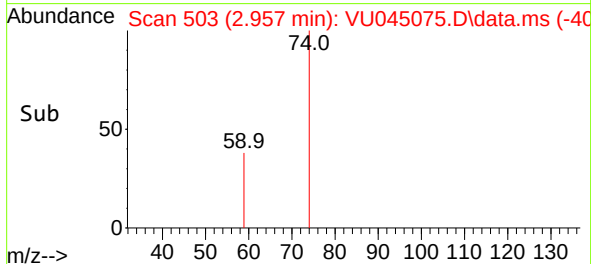
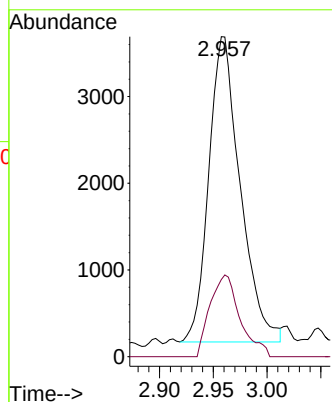


#18
Methyl Acetate
Concen: 1.259 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Instrument :
MSVOA_U
ClientSampleId :

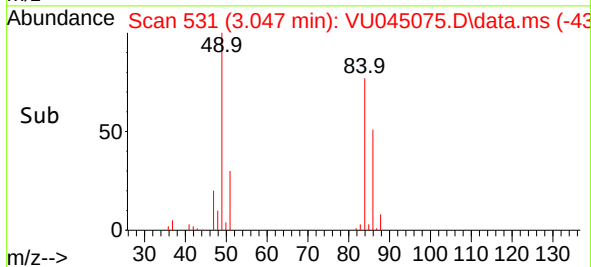
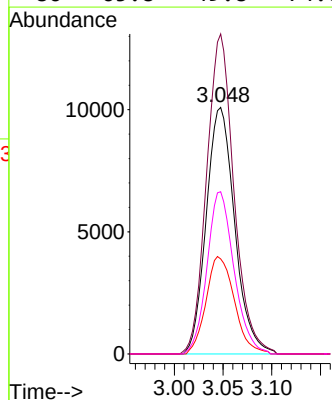
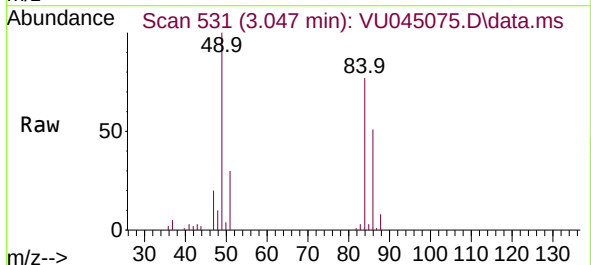


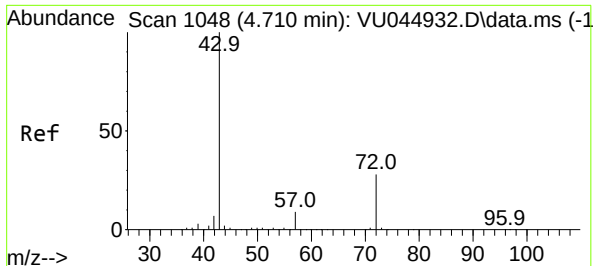
Tgt Ion: 43 Resp: 7157
Ion Ratio Lower Upper
43 100
74 25.6 19.0 28.6



#20
Methylene Chloride
Concen: 6.995 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 84 Resp: 20489
Ion Ratio Lower Upper
84 100
49 129.8 104.9 157.3
51 38.5 31.8 47.8
86 65.8 49.8 74.6

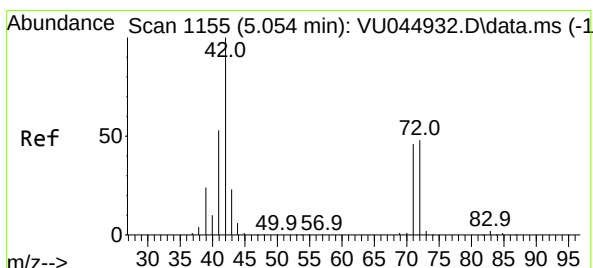
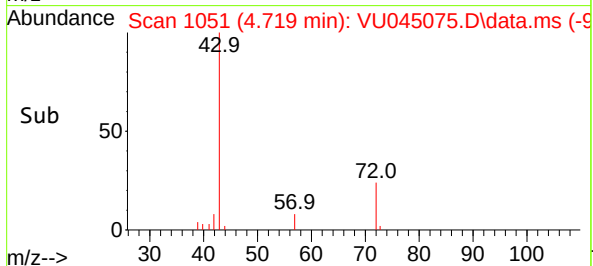
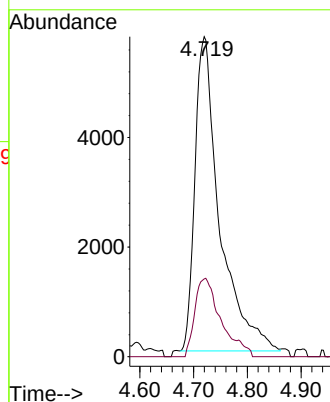
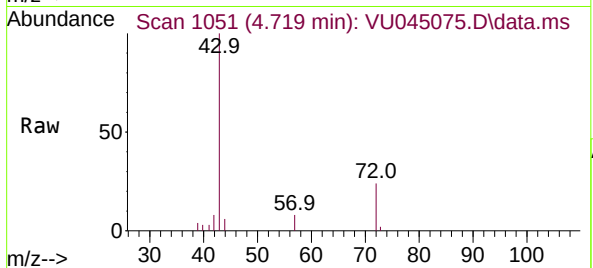




#25
2-Butanone
Concen: 6.627 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

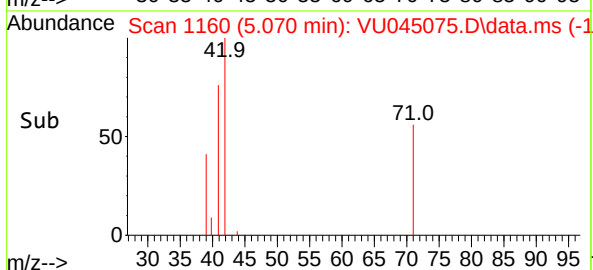
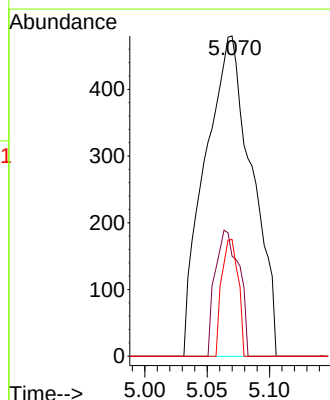
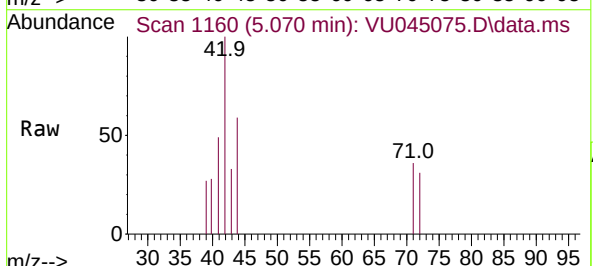
Instrument :
MSVOA_U
ClientSampleId :

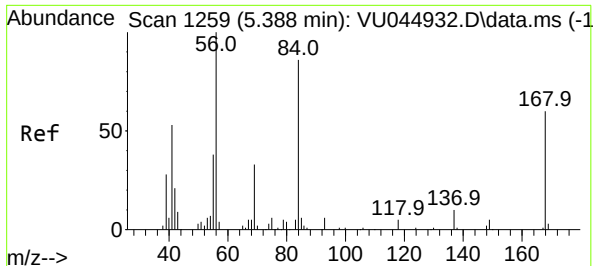
Tgt Ion: 43 Resp: 18311
Ion Ratio Lower Upper
43 100
72 24.7 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.762 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 42 Resp: 1254
Ion Ratio Lower Upper
42 100
72 20.1 36.2 54.4#
71 12.8 34.1 51.1#

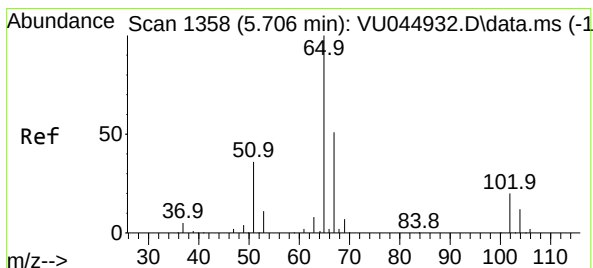
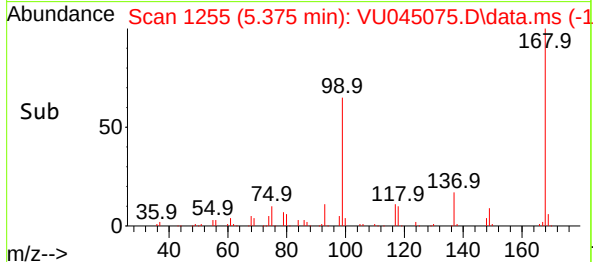
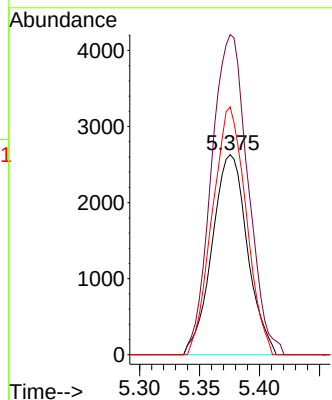
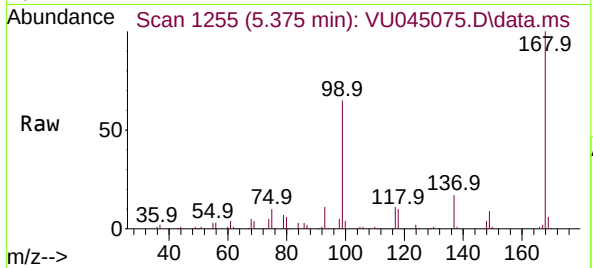




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

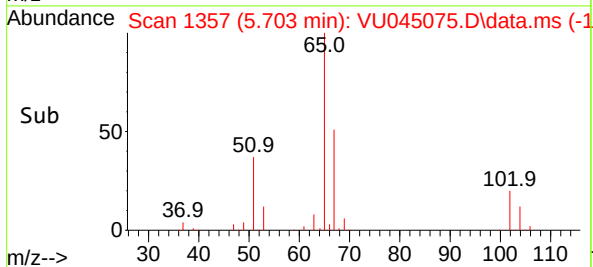
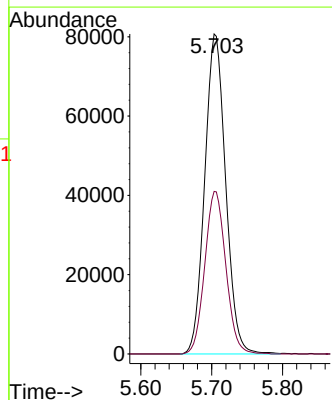
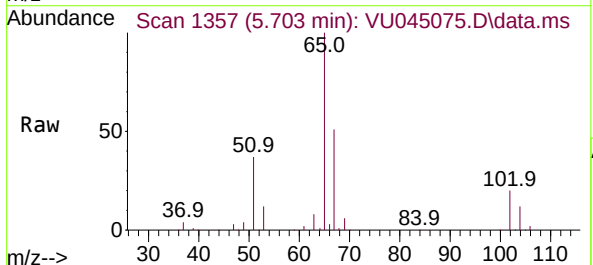
Instrument :
MSVOA_U
ClientSampleId :

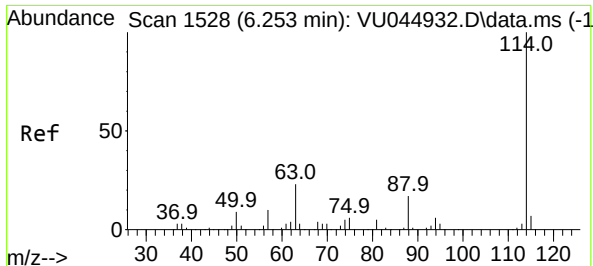
Tgt Ion: 56 Resp: 5377
Ion Ratio Lower Upper
56 100
69 160.0 25.2 37.8#
84 124.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.589 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 65 Resp: 165746
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045075.D

Acq: 01 Oct 2021 16:02

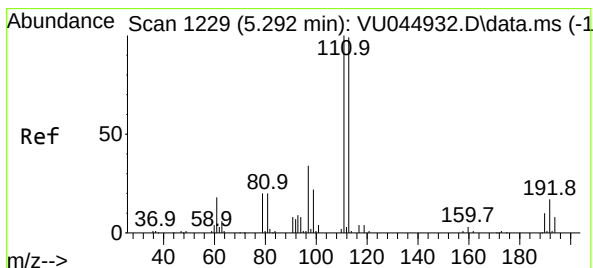
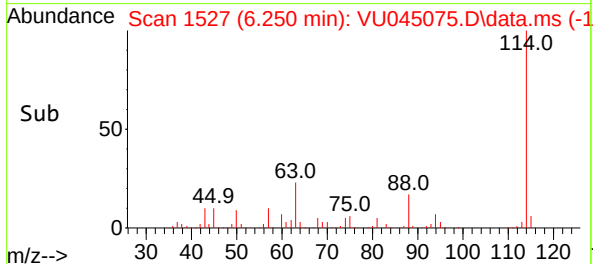
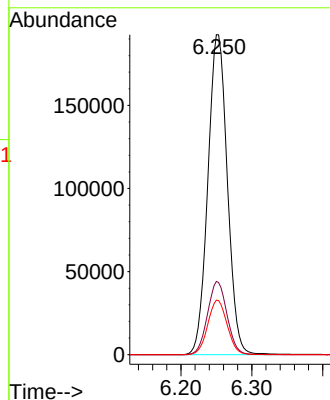
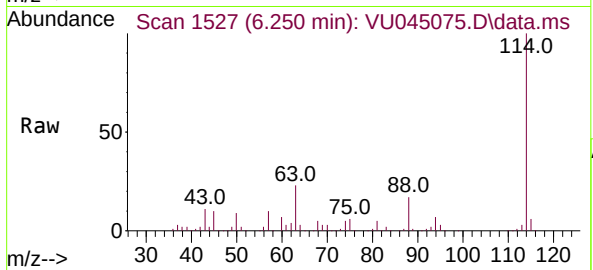
Tgt Ion:114 Resp: 367492

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.437 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045075.D

Acq: 01 Oct 2021 16:02

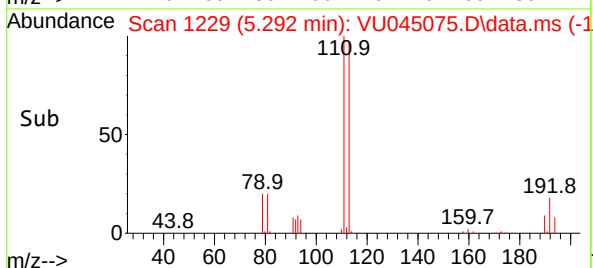
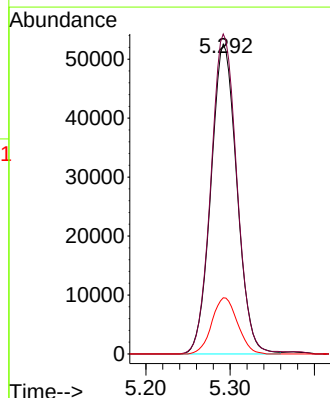
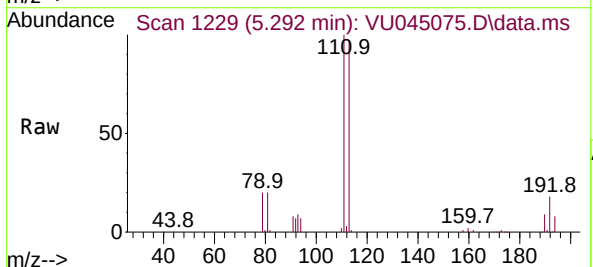
Tgt Ion:113 Resp: 112290

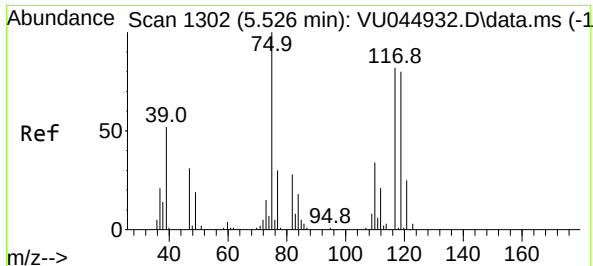
Ion Ratio Lower Upper

113 100

111 103.7 84.1 126.1

192 17.9 14.8 22.2

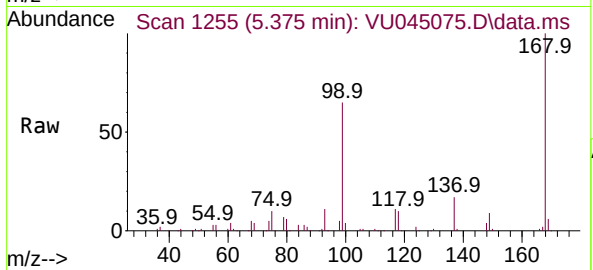




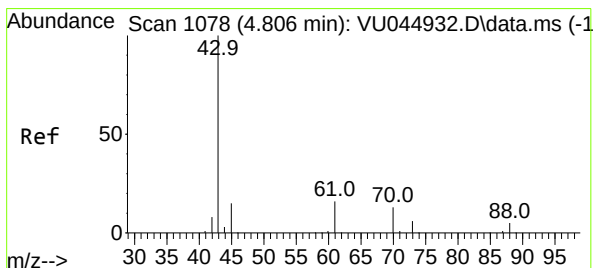
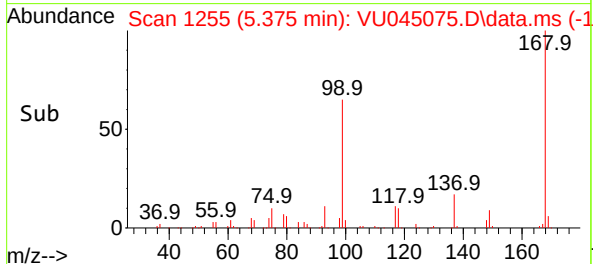
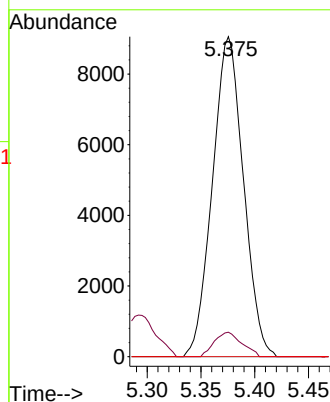
#36

1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Instrument :
MSVOA_U
ClientSampleId :

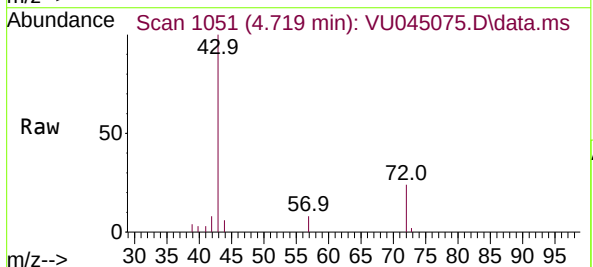


Tgt Ion:	75	Resp:	18141
Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.3	48.9#
77	0.0	25.0	37.4#

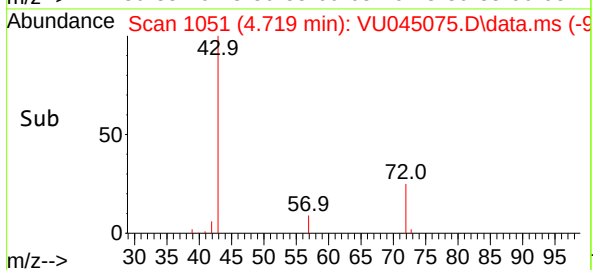
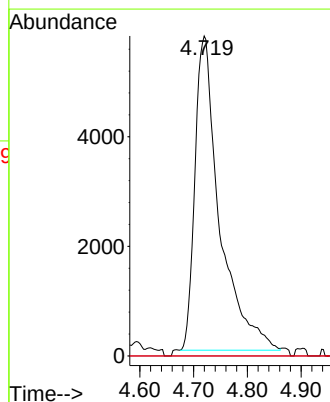


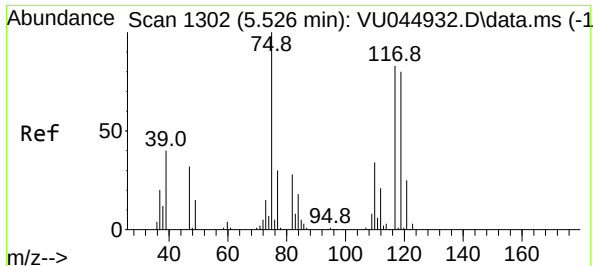
#37

Ethyl Acetate
Concen: 3.601 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02



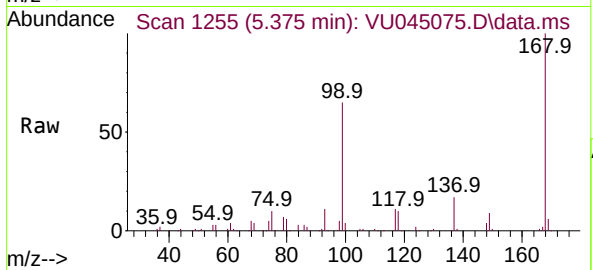
Tgt Ion:	43	Resp:	18311
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



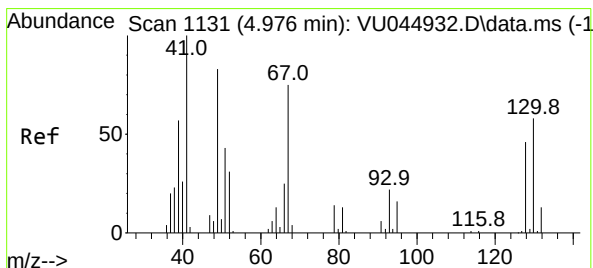
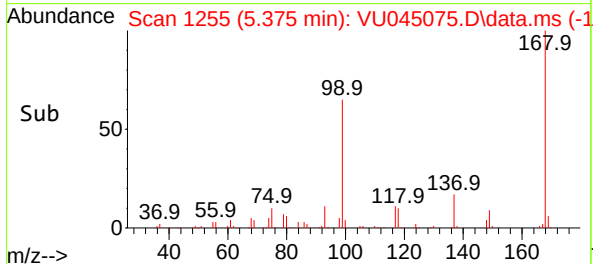
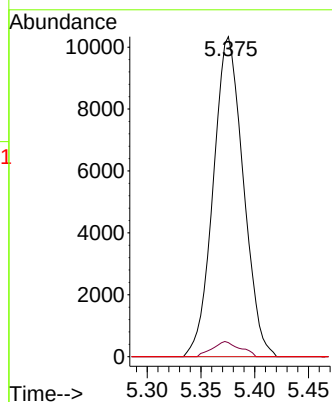


#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Instrument :
MSVOA_U
ClientSampleId :

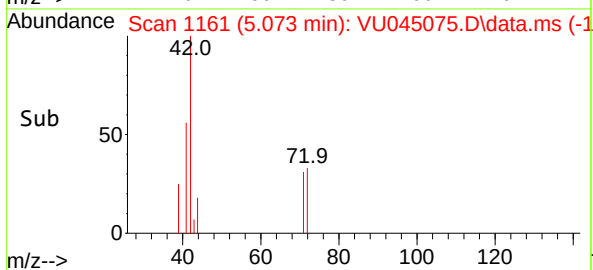
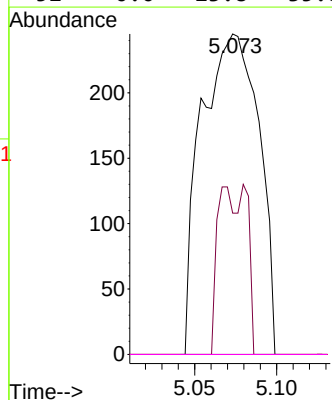
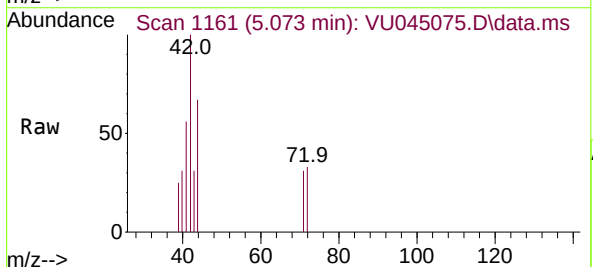


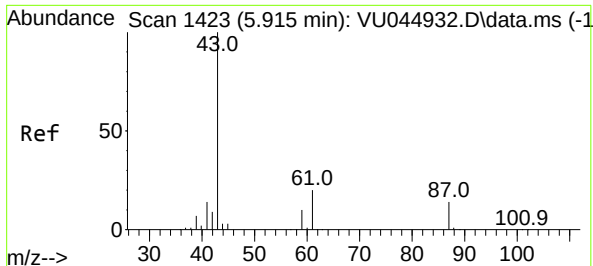
Tgt Ion:117 Resp: 20090
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.097 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 41 Resp: 595
Ion Ratio Lower Upper
41 100
39 15.1 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

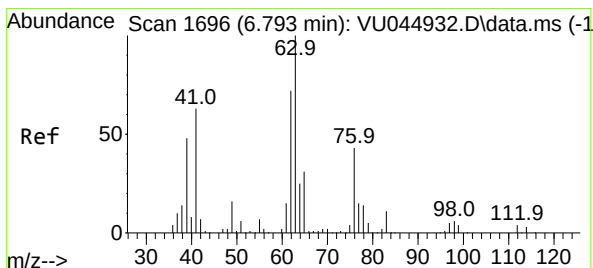
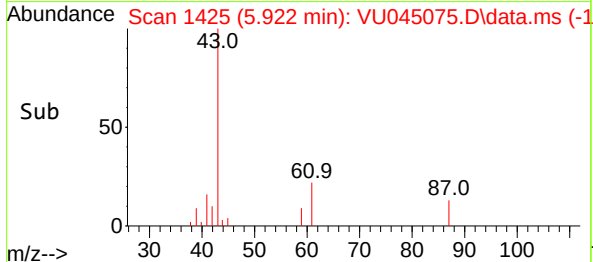
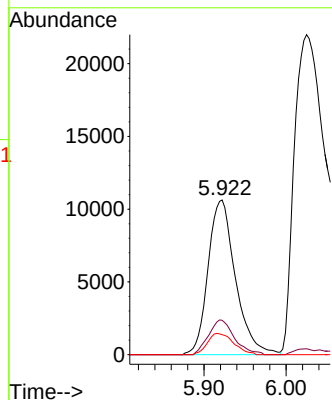
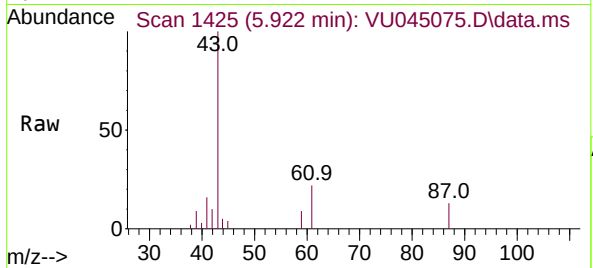




#43
Isopropyl Acetate
Concen: 3.230 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.007 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

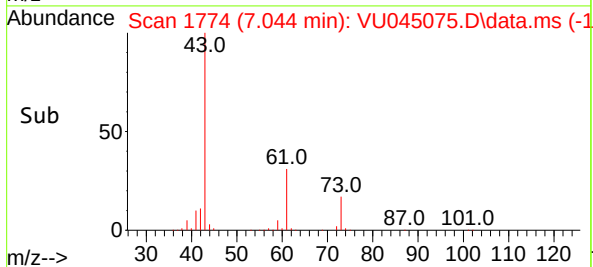
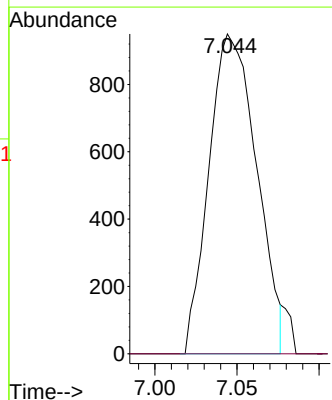
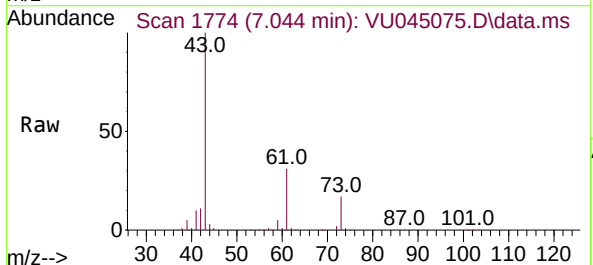
Instrument :
MSVOA_U
ClientSampled :

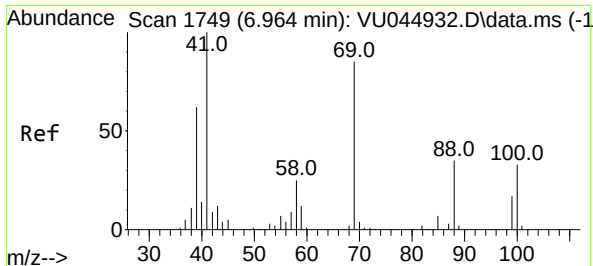
Tgt Ion:	43	Resp:	24711
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.1	24.1
87	13.1	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.631 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.251 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion:	63	Resp:	1916
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.825 ug/l

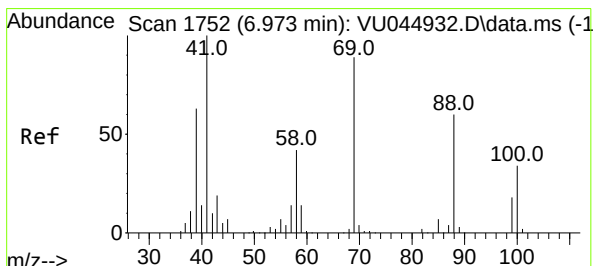
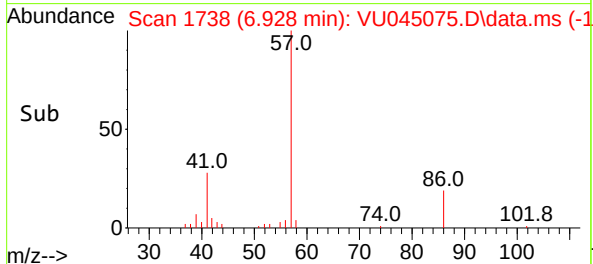
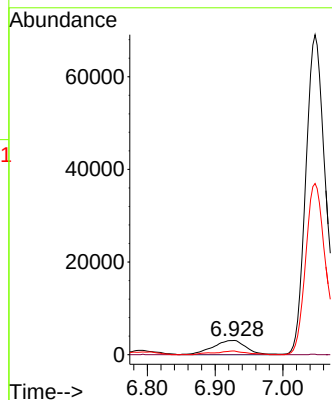
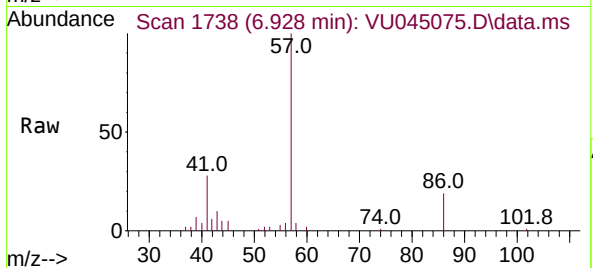
RT: 6.928 min Scan# 1738

Delta R.T. -0.036 min

Lab File: VU045075.D

Acq: 01 Oct 2021 16:02

Tgt Ion:	41	Resp:	10521
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

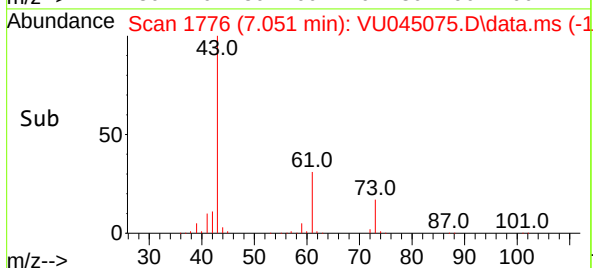
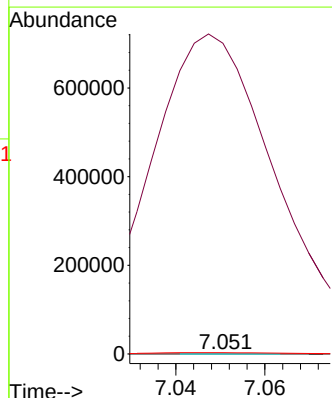
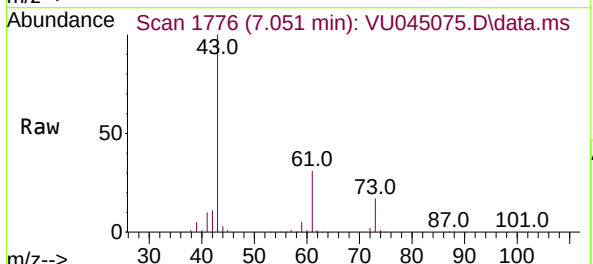
RT: 7.051 min Scan# 1776

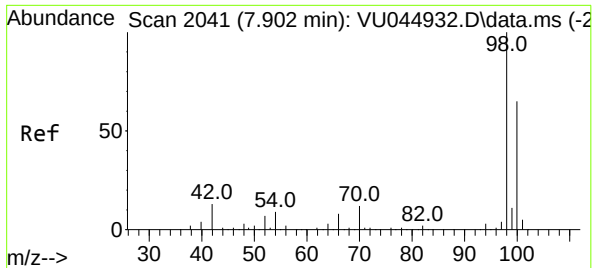
Delta R.T. 0.078 min

Lab File: VU045075.D

Acq: 01 Oct 2021 16:02

Tgt Ion:	88	Resp:	109
Ion Ratio	Lower	Upper	
88	100		
43	1364912.8	25.8	38.6#
58	5979.8	61.3	91.9#

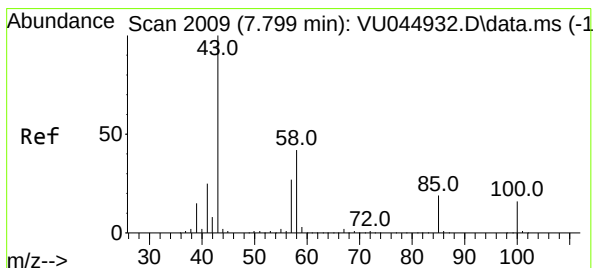
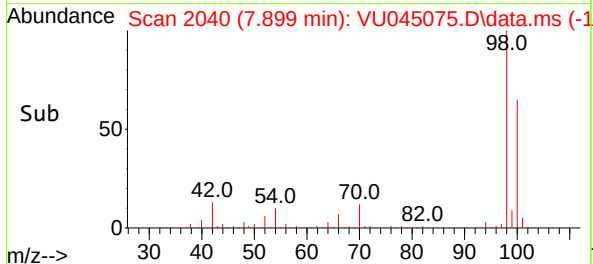
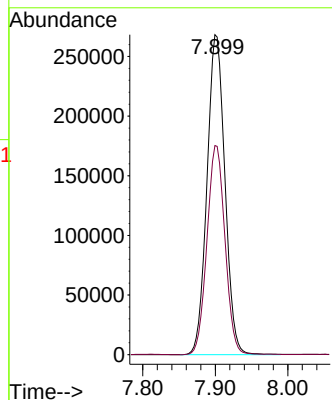
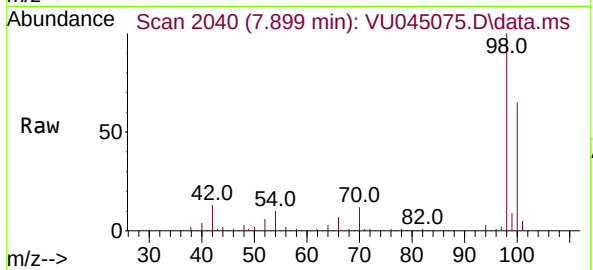




#50
Toluene-d8
Concen: 50.395 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

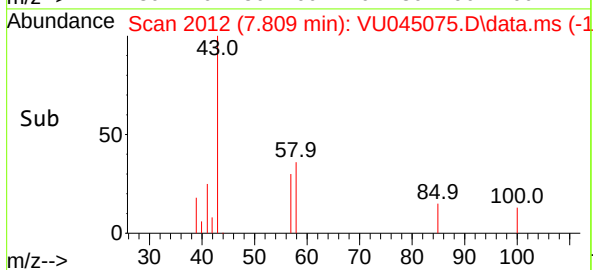
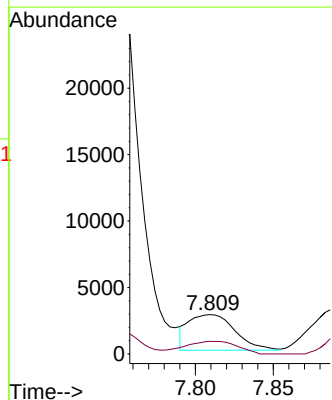
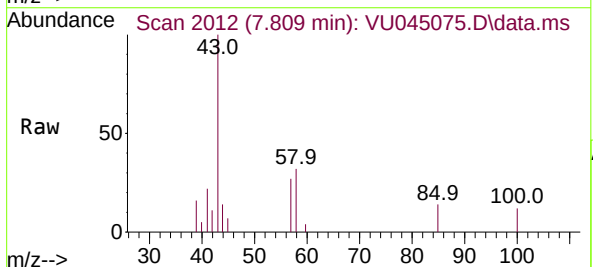
Instrument :
MSVOA_U
ClientSampleId :

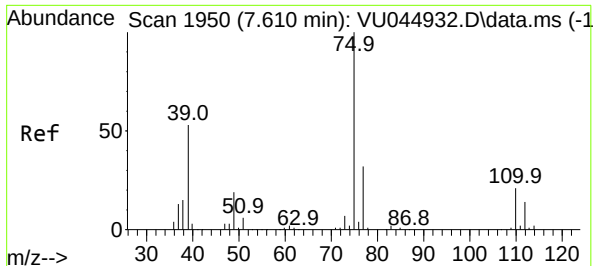
Tgt Ion: 98 Resp: 461610
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 7.809 min Scan# 2012
Delta R.T. 0.010 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 43 Resp: 5589
Ion Ratio Lower Upper
43 100
58 39.9 32.4 48.6

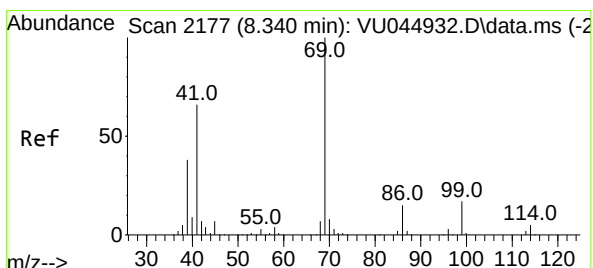
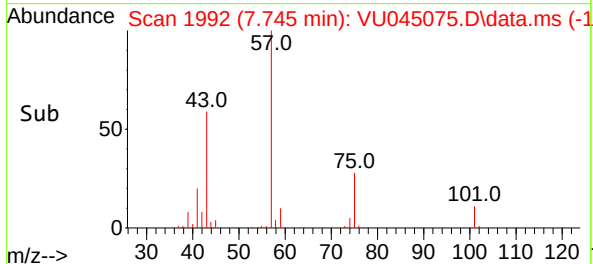
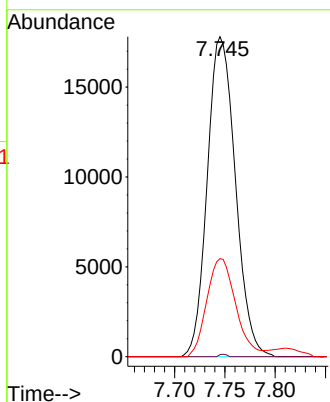
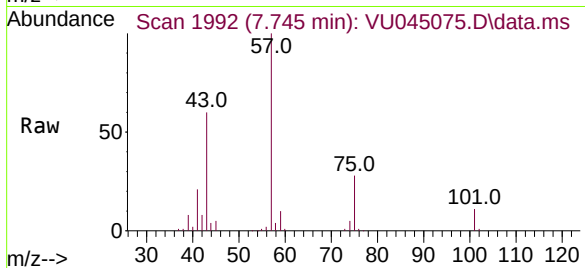




#54
cis-1,3-Dichloropropene
Concen: 7.321 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.135 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

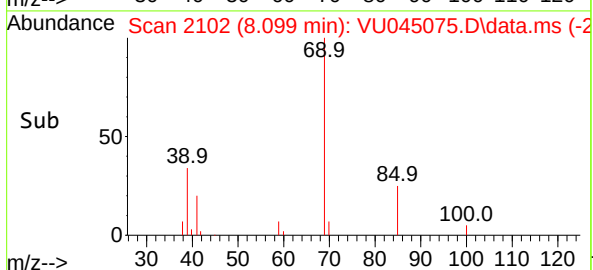
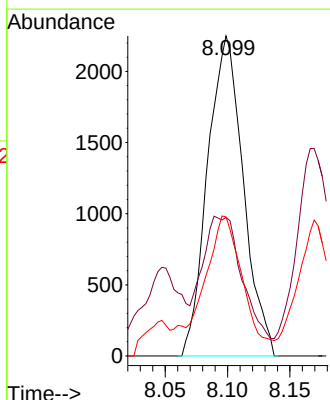
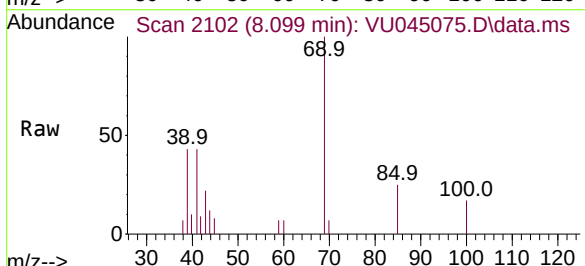
Instrument :
MSVOA_U
ClientSampleId :

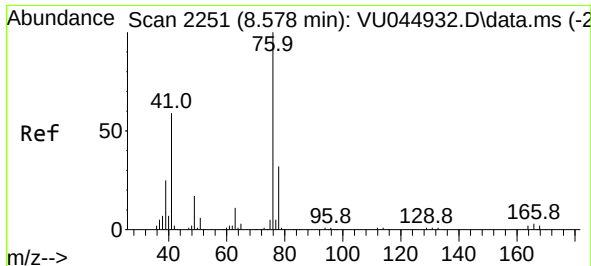
Tgt Ion: 75 Resp: 34616
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.6#
39 30.7 41.4 62.2#



#56
Ethyl methacrylate
Concen: 2.566 ug/l
RT: 8.099 min Scan# 2102
Delta R.T. -0.241 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 69 Resp: 4484
Ion Ratio Lower Upper
69 100
41 41.0 53.5 80.3#
39 36.1 31.1 46.7



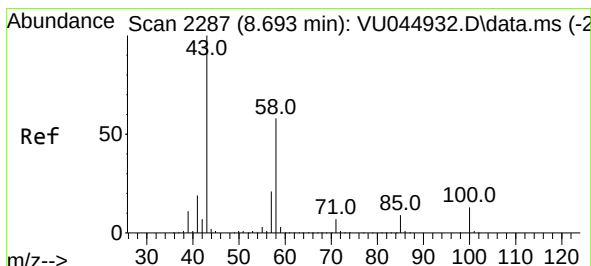
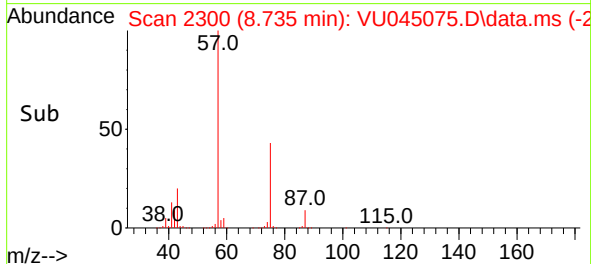
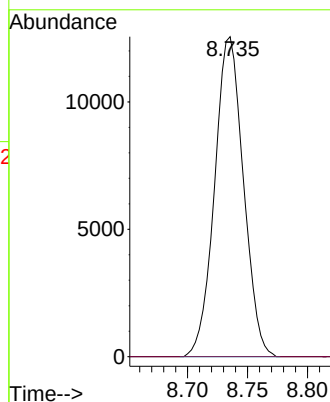
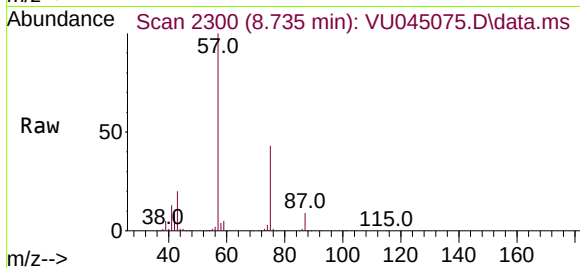


#57

1,3-Dichloropropane
Concen: 3.938 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Instrument :
MSVOA_U
ClientSampled :

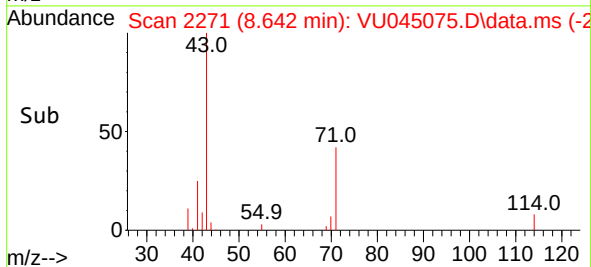
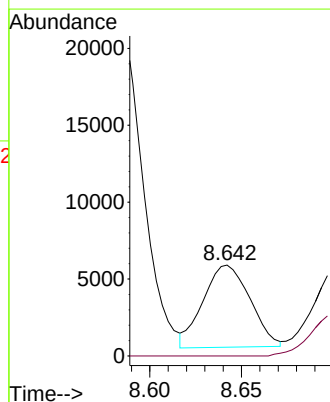
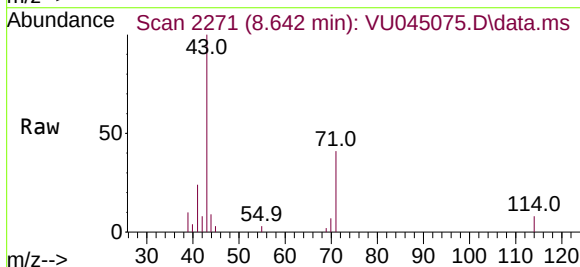
Tgt Ion: 76 Resp: 20976
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

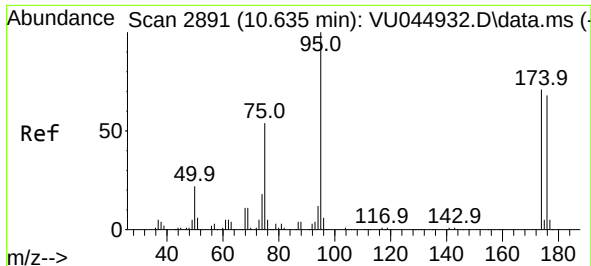


#59

2-Hexanone
Concen: 2.092 ug/l
RT: 8.642 min Scan# 2271
Delta R.T. -0.051 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 43 Resp: 9487
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#

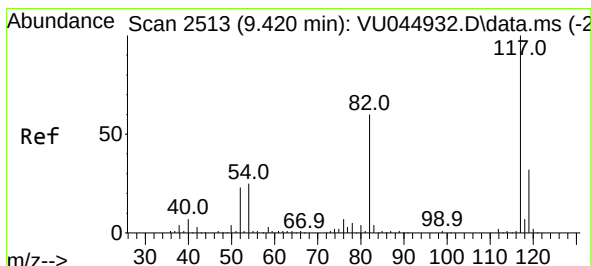
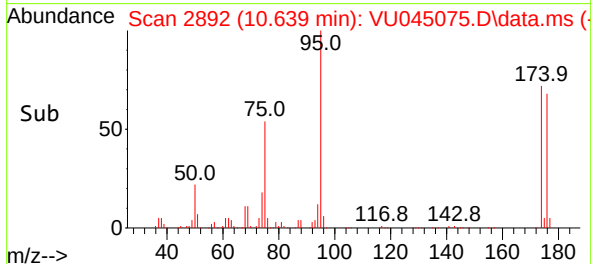
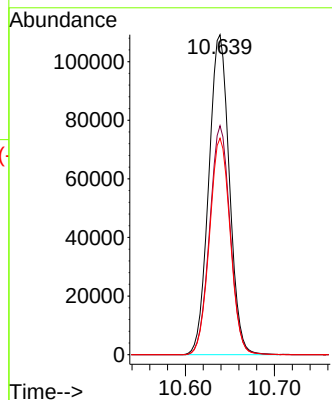
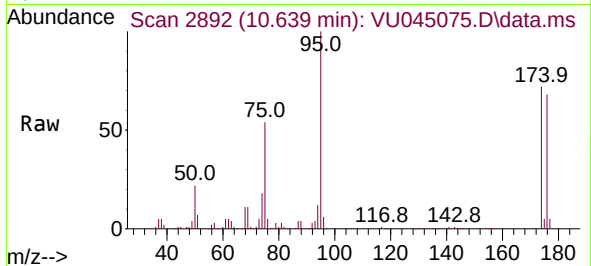




#62
4-Bromofluorobenzene
Concen: 46.308 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

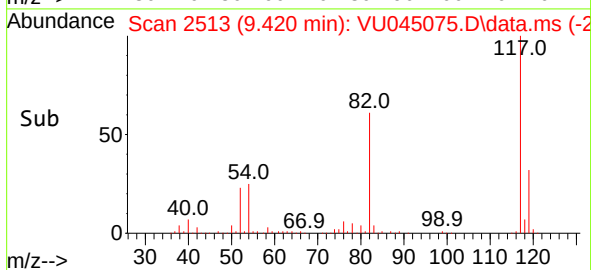
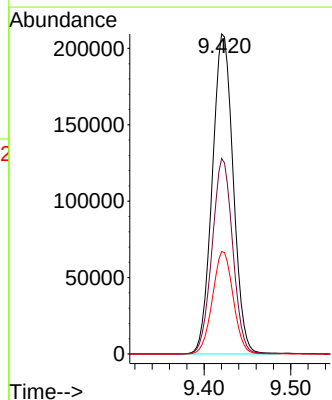
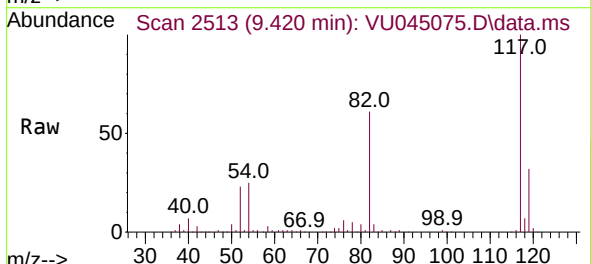
Instrument :
MSVOA_U
ClientSampleId :

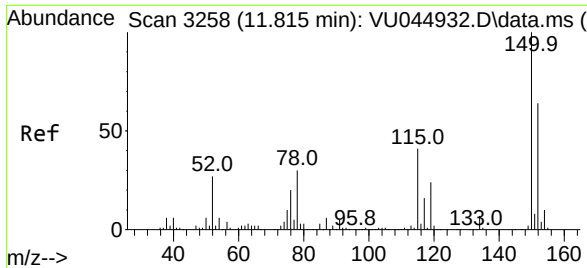
Tgt Ion: 95 Resp: 175123
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045075.D
Acq: 01 Oct 2021 16:02

Tgt Ion: 117 Resp: 351758
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 32.0 25.8 38.6

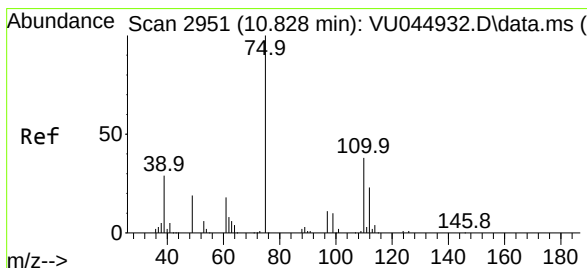
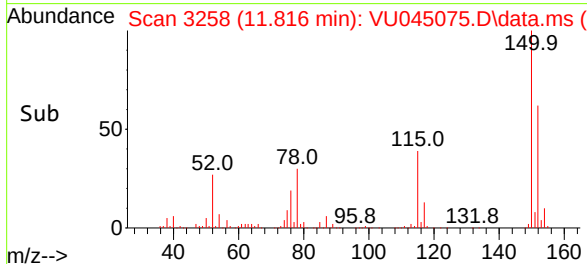
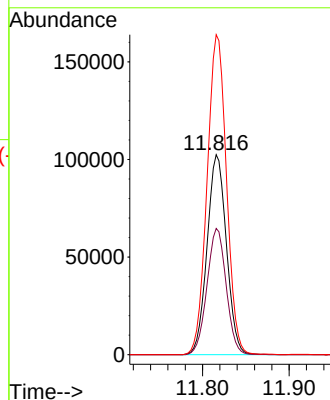
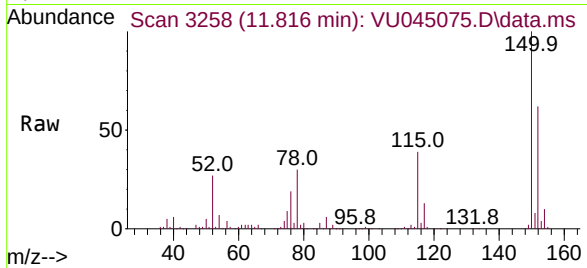




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045075.D
 Acq: 01 Oct 2021 16:02

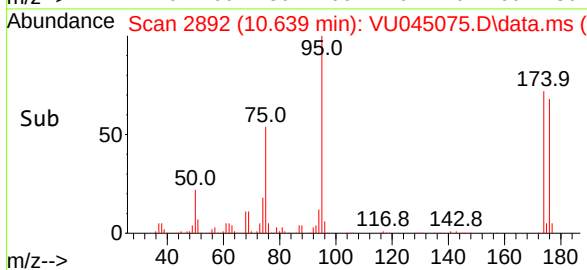
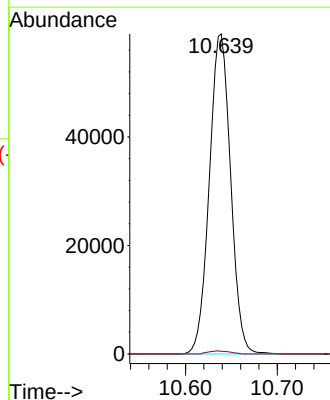
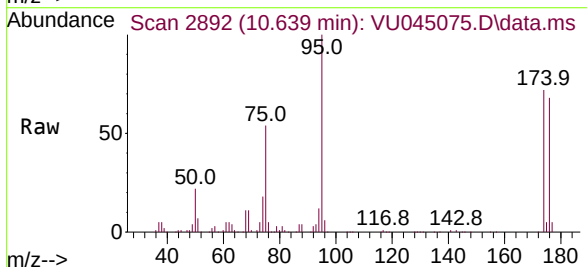
Instrument :
 MSVOA_U
 ClientSampleId :

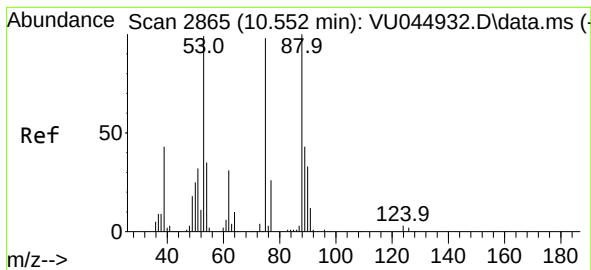
Tgt Ion:152 Resp: 158969
 Ion Ratio Lower Upper
 152 100
 115 62.5 43.5 130.7
 150 160.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.483 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.189 min
 Lab File: VU045075.D
 Acq: 01 Oct 2021 16:02

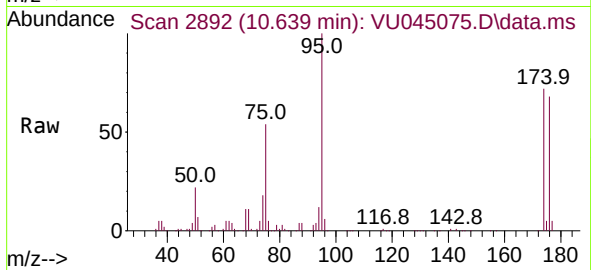
Tgt Ion: 75 Resp: 94975
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.843 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU045075.D
 Acq: 01 Oct 2021 16:02

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 94975
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

