

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045396.D
 Acq On : 25 Oct 2021 20:13
 Operator : SY/MD
 Sample : M4325-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:47:04 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

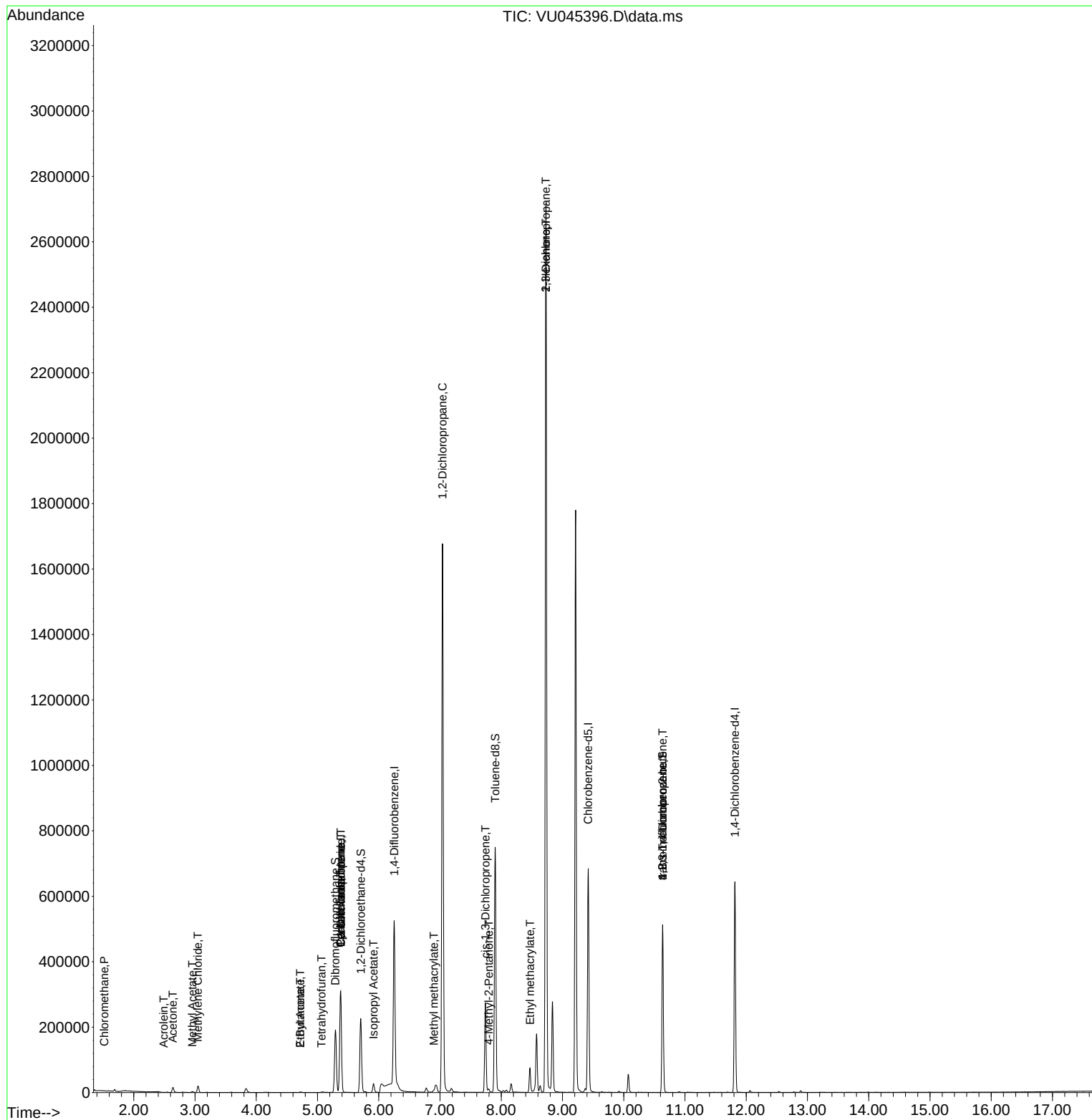
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	205051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	393922	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	366727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	156002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	169501	49.659	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.320%
35) Dibromofluoromethane	5.292	113	124223	49.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	7.902	98	496043	50.521	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.040%
62) 4-Bromofluorobenzene	10.635	95	172329	42.512	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	716	0.218	ug/l	94
13) Acrolein	2.488	56	221	4.267	ug/l #	38
16) Acetone	2.639	43	19879	9.812	ug/l	96
18) Methyl Acetate	2.957	43	3625	0.612	ug/l	94
20) Methylene Chloride	3.047	84	9222	3.022	ug/l	97
25) 2-Butanone	4.719	43	3495	1.214	ug/l #	83
29) Tetrahydrofuran	5.067	42	1014	0.592	ug/l #	73
31) Cyclohexane	5.375	56	5103	0.984	ug/l #	4
36) 1,1-Dichloropropene	5.378	75	18584	4.511	ug/l #	50
37) Ethyl Acetate	4.719	43	3495	0.641	ug/l #	69
38) Carbon Tetrachloride	5.378	117	21413	6.007	ug/l #	16
43) Isopropyl Acetate	5.915	43	28017	3.417	ug/l	98
45) 1,2-Dichloropropane	7.041	63	2003	0.616	ug/l #	45
48) Methyl methacrylate	6.899	41	8614	2.158	ug/l #	14
49) 1,4-Dioxane	7.041	88	208	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	5769	0.966	ug/l	98
54) cis-1,3-Dichloropropene	7.742	75	49076	9.683	ug/l #	57
56) Ethyl methacrylate	8.472	69	249	1.859	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	28187	4.936	ug/l #	43
59) 2-Hexanone	8.729	43	374864	77.111	ug/l #	50
76) 1,2,3-Trichloropropane	10.635	75	90920	19.981	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	90920	55.451	ug/l #	9

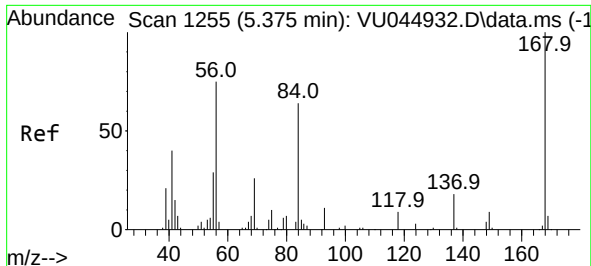
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

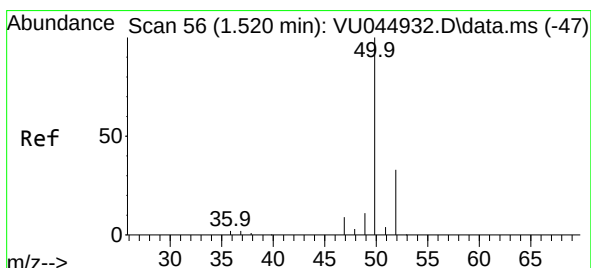
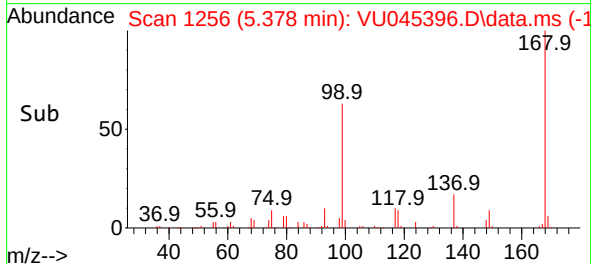
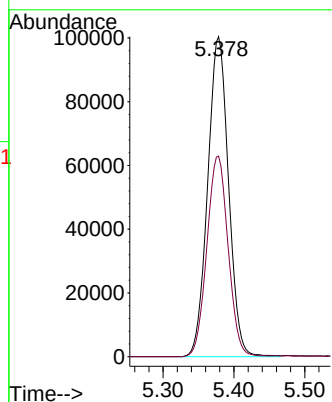
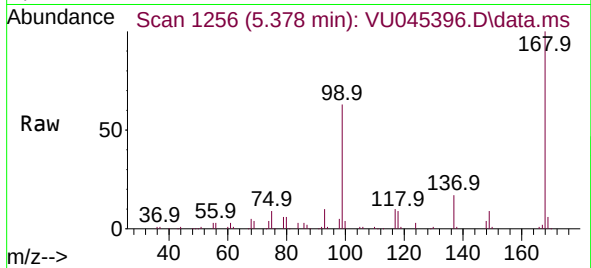




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

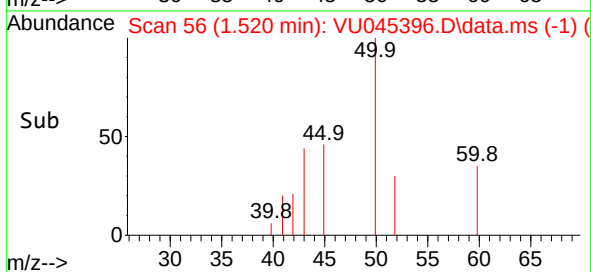
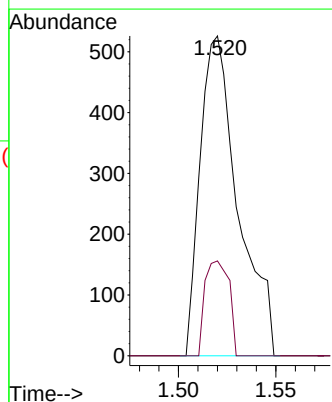
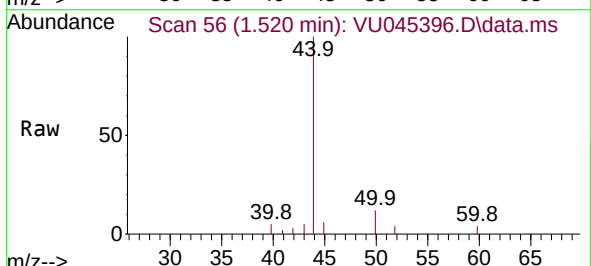
Instrument :
MSVOA_U
ClientSampled :

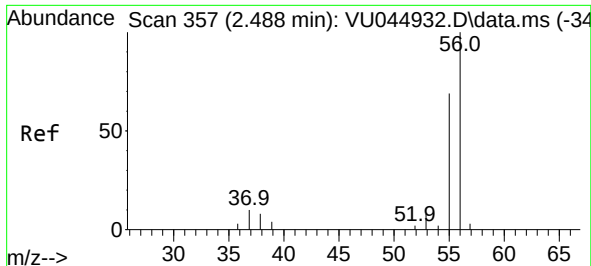
Tgt Ion:168 Resp: 205051
Ion Ratio Lower Upper
168 100
99 62.7 51.4 77.0



#3
Chloromethane
Concen: 0.218 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 50 Resp: 716
Ion Ratio Lower Upper
50 100
52 29.7 26.3 39.5

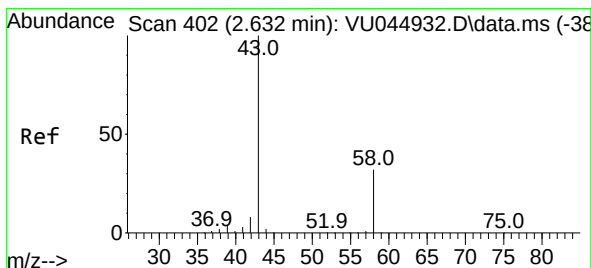
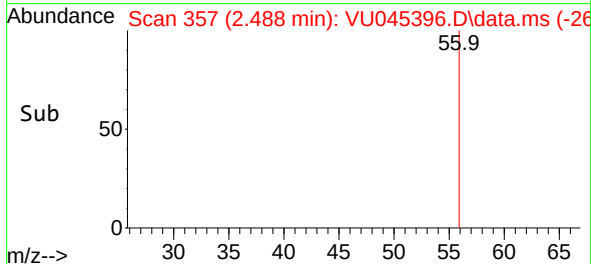
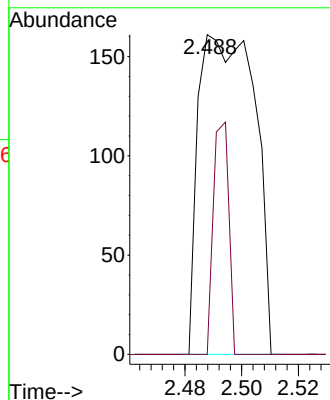
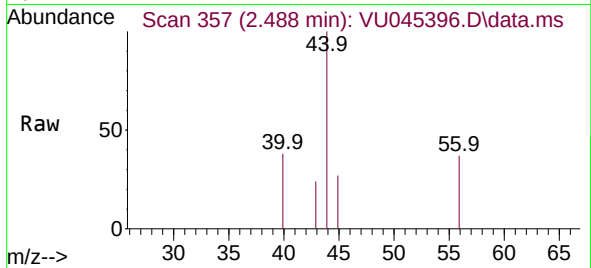




#13
Acrolein
Concen: 4.267 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

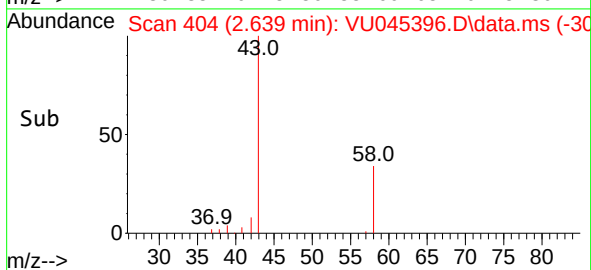
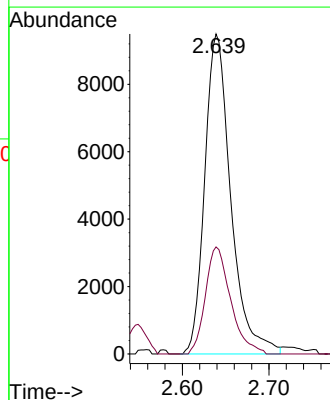
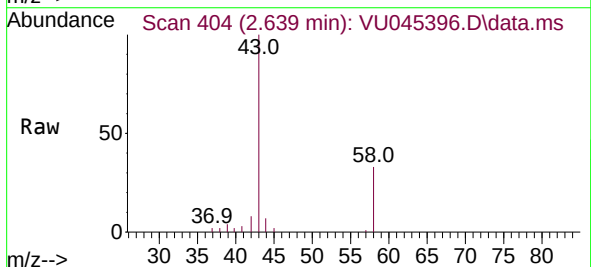
Instrument :
MSVOA_U
ClientSampled :

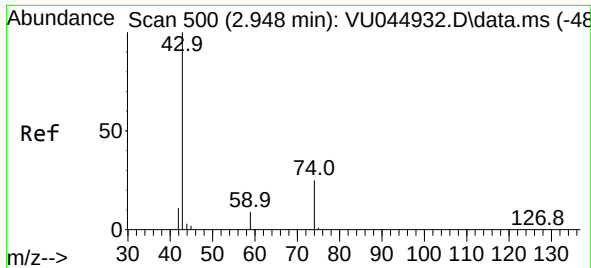
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 19.9 57.4 86.0#



#16
Acetone
Concen: 9.812 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

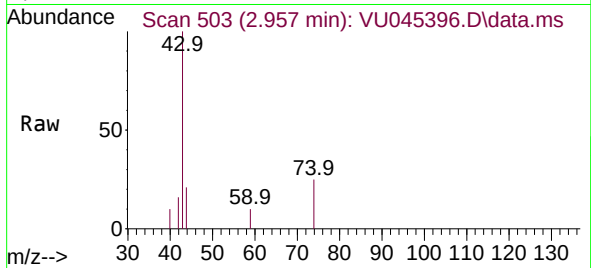
Tgt Ion: 43 Resp: 19879
Ion Ratio Lower Upper
43 100
58 33.5 25.2 37.8



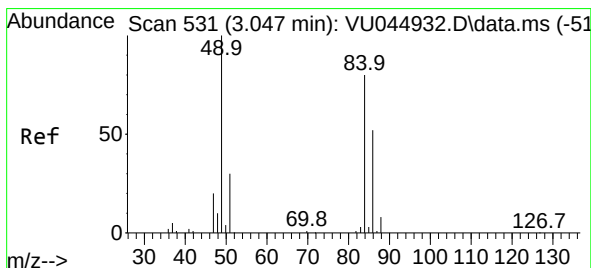
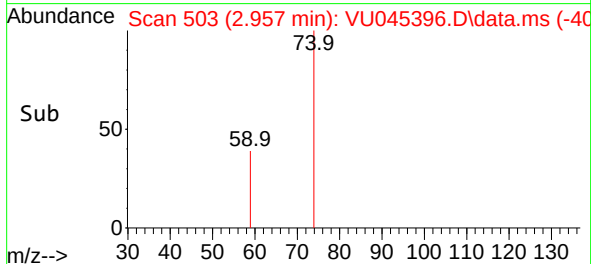
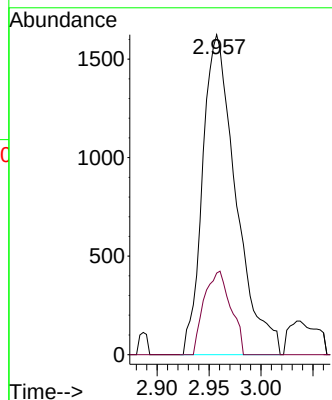


#18
Methyl Acetate
Concen: 0.612 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Instrument :
MSVOA_U
ClientSampled :

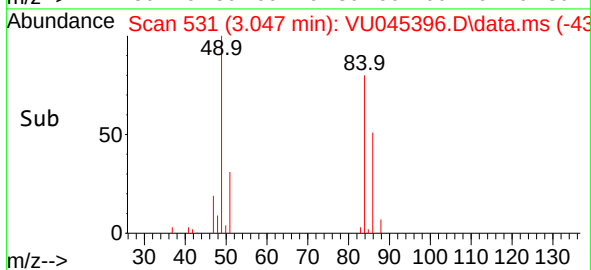
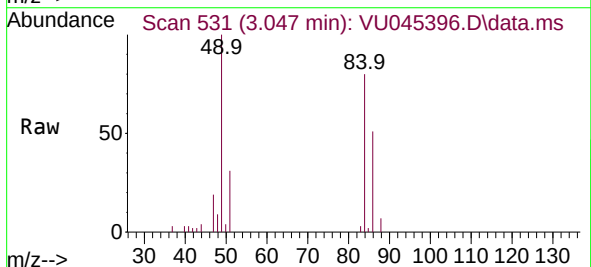
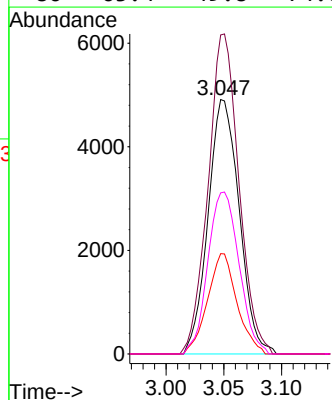


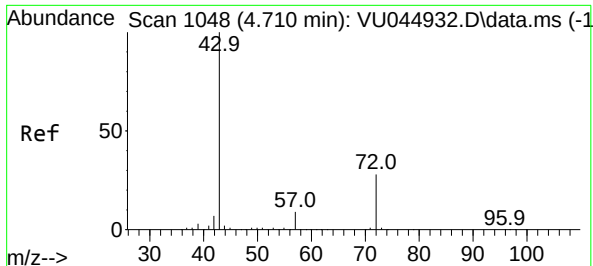
Tgt Ion: 43 Resp: 3625
Ion Ratio Lower Upper
43 100
74 20.7 19.0 28.6



#20
Methylene Chloride
Concen: 3.022 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 84 Resp: 9222
Ion Ratio Lower Upper
84 100
49 125.4 104.9 157.3
51 39.4 31.8 47.8
86 63.4 49.8 74.6

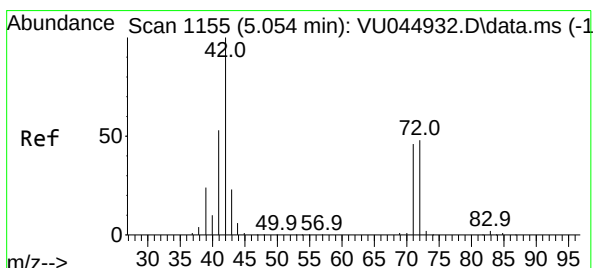
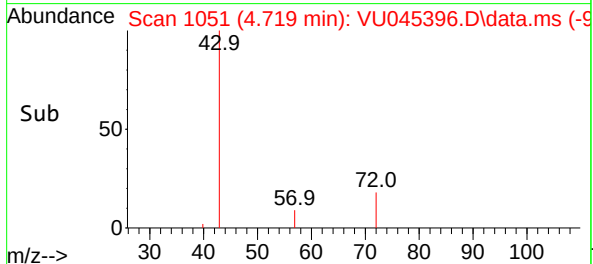
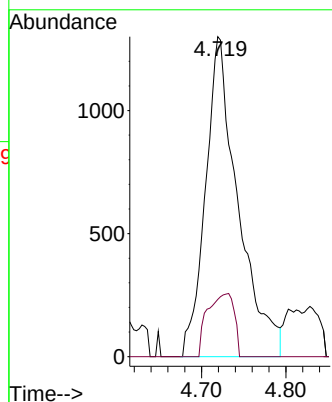
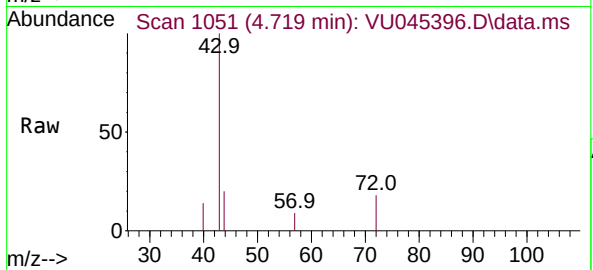




#25
2-Butanone
Concen: 1.214 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

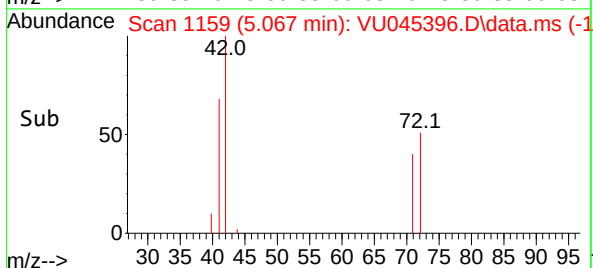
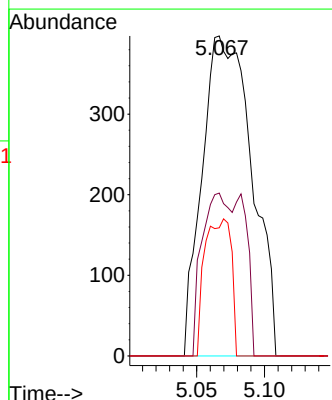
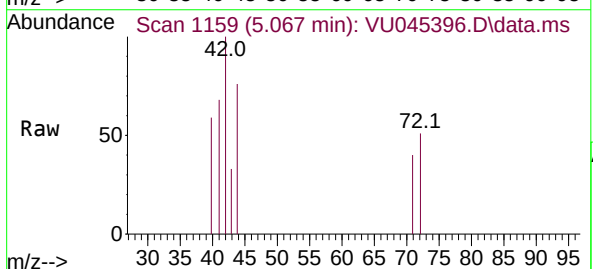
Instrument :
MSVOA_U
ClientSampled :

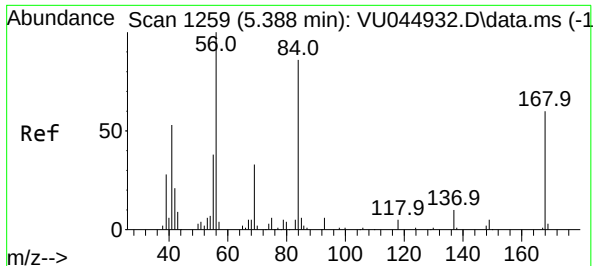
Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
72 17.9 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.592 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.013 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 42 Resp: 1014
Ion Ratio Lower Upper
42 100
72 29.8 36.2 54.4#
71 22.8 34.1 51.1#





#31

Cyclohexane

Concen: 0.984 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.013 min

Lab File: VU045396.D

Acq: 25 Oct 2021 20:13

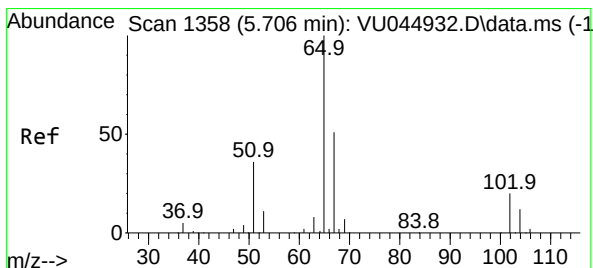
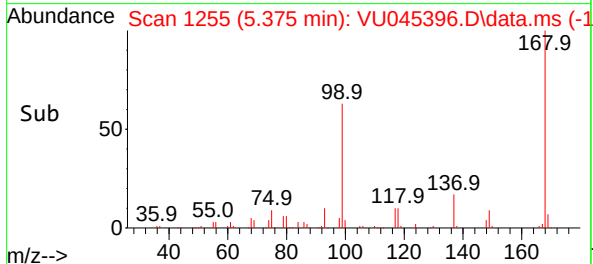
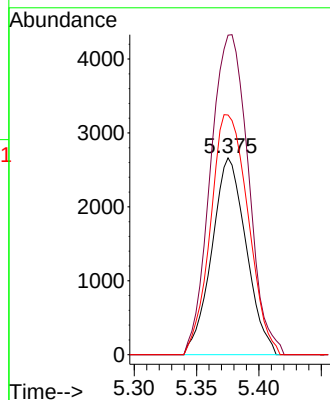
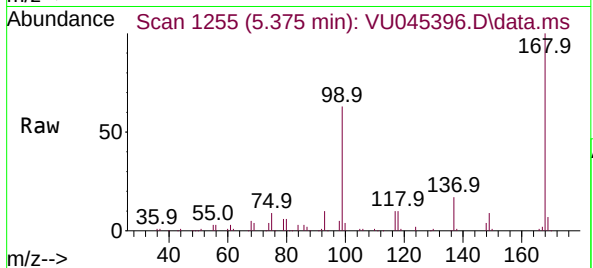
Tgt Ion: 56 Resp: 5103

Ion Ratio Lower Upper

56 100

69 162.3 25.2 37.8#

84 121.8 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 49.659 ug/l

RT: 5.706 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VU045396.D

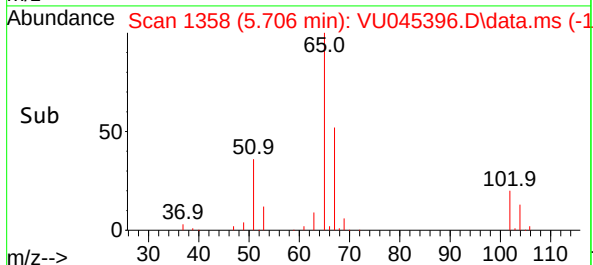
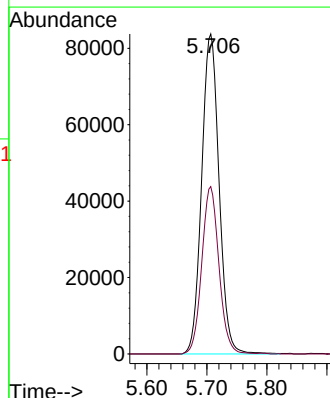
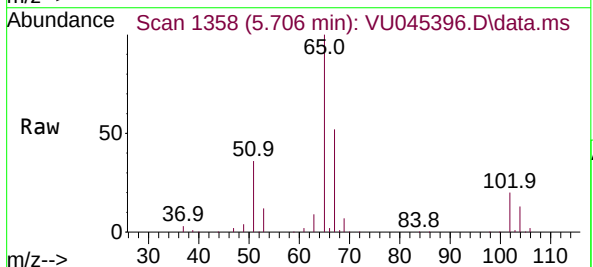
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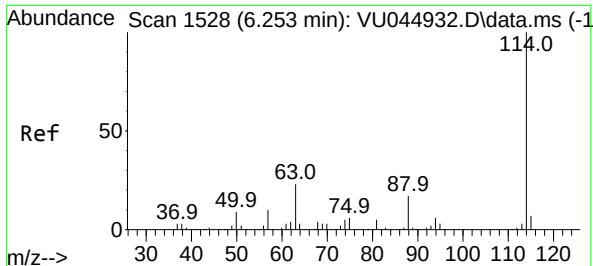
Tgt Ion: 65 Resp: 169501

Ion Ratio Lower Upper

65 100

67 51.5 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: VU045396.D

Acq: 25 Oct 2021 20:13

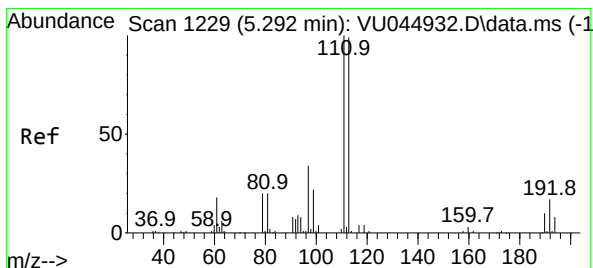
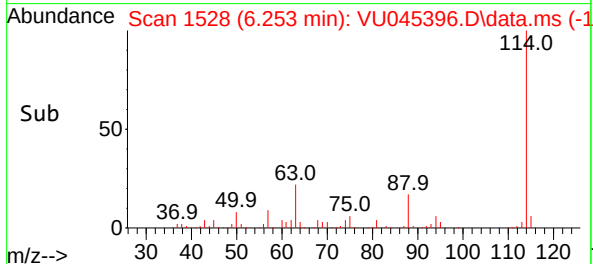
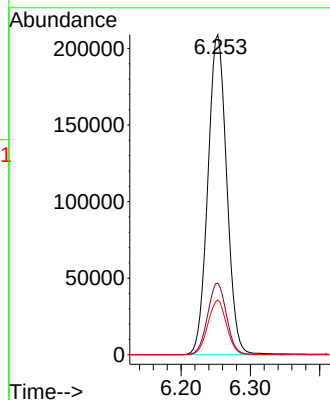
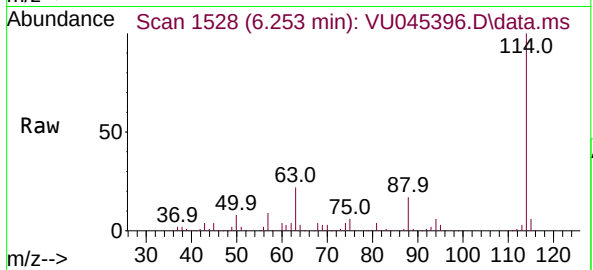
Tgt Ion:114 Resp: 393922

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045396.D

Acq: 25 Oct 2021 20:13

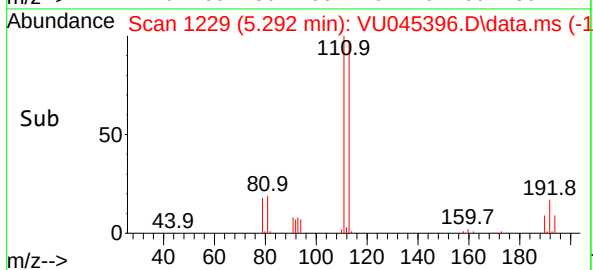
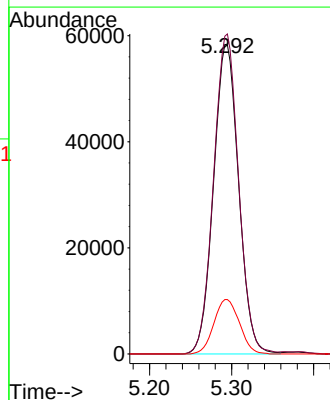
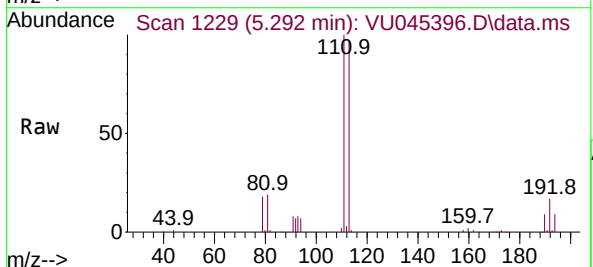
Tgt Ion:113 Resp: 124223

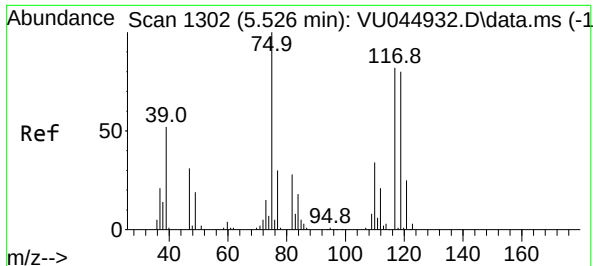
Ion Ratio Lower Upper

113 100

111 102.9 84.1 126.1

192 17.9 14.8 22.2

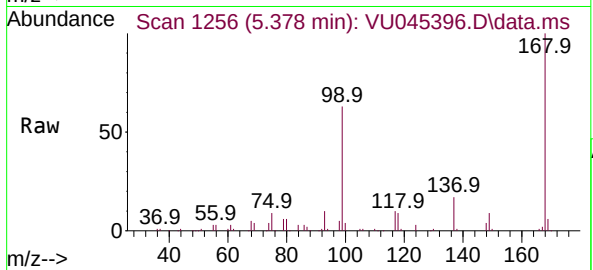




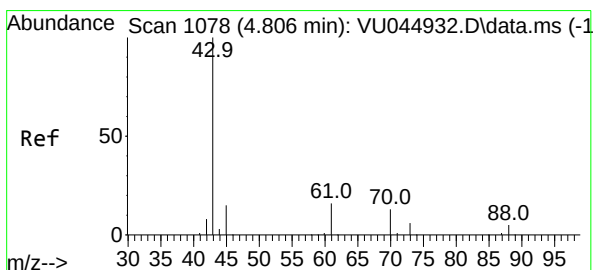
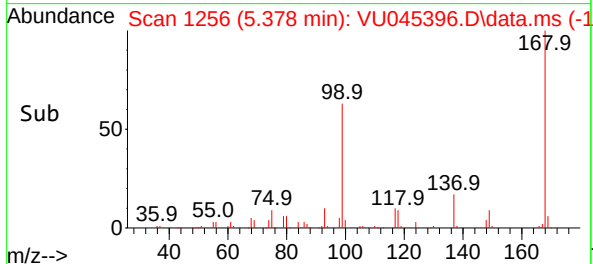
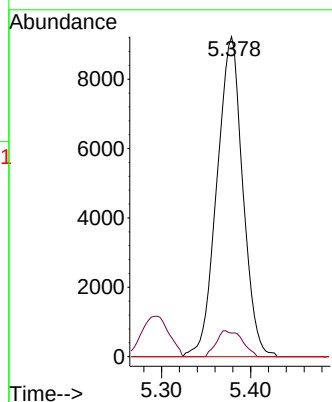
#36

1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Instrument :
MSVOA_U
ClientSampled :



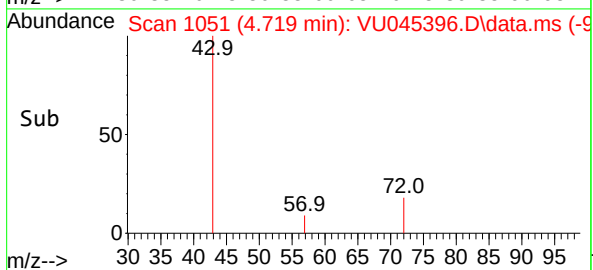
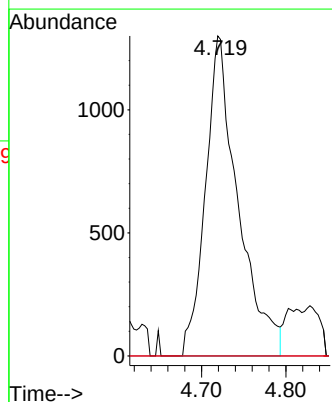
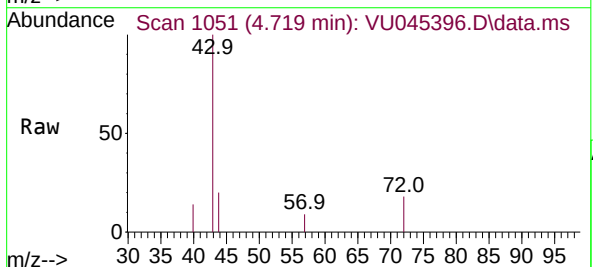
Tgt Ion: 75 Resp: 18584
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 25.0 37.4#

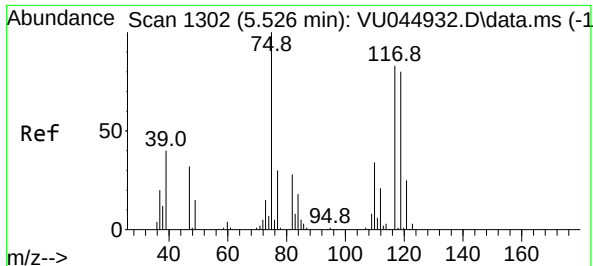


#37

Ethyl Acetate
Concen: 0.641 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

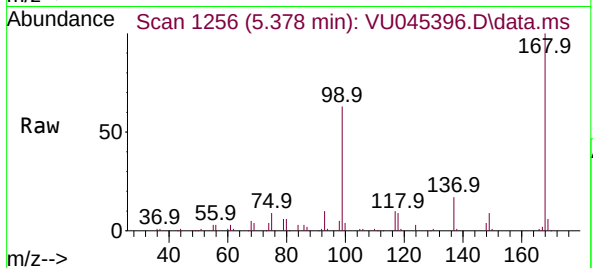
Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



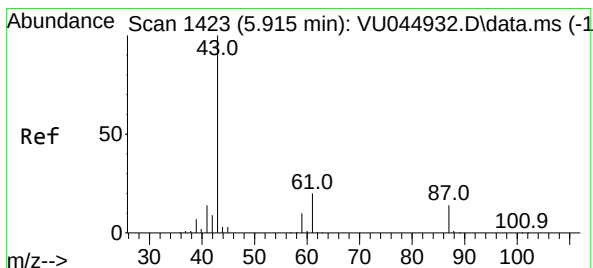
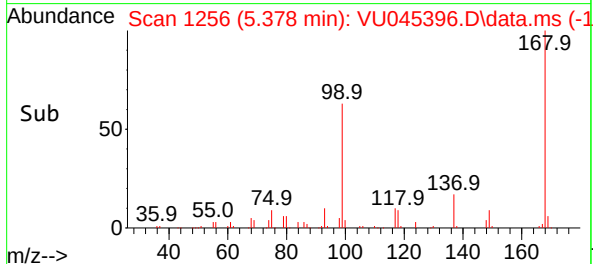
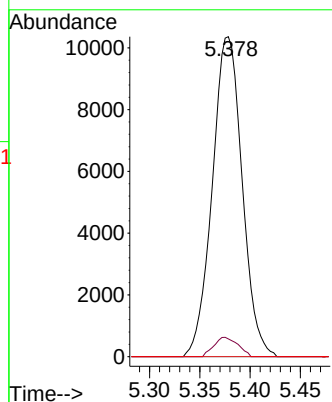


#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Instrument :
MSVOA_U
ClientSampled :

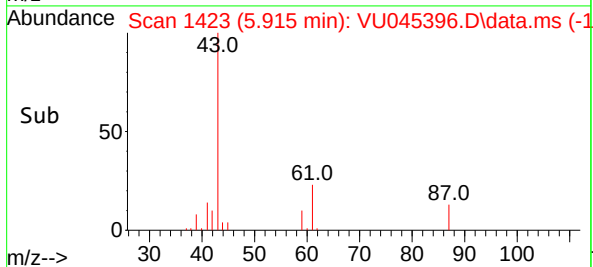
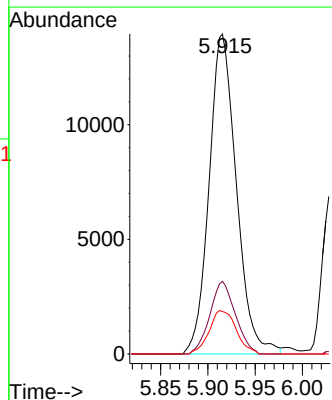
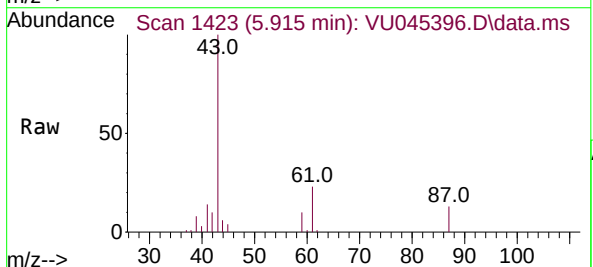


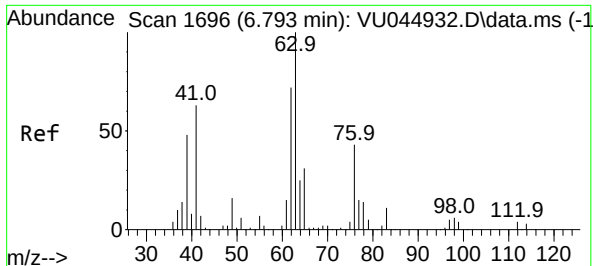
Tgt Ion:117 Resp: 21413
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.417 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 43 Resp: 28017
Ion Ratio Lower Upper
43 100
61 21.2 16.1 24.1
87 13.5 10.3 15.5



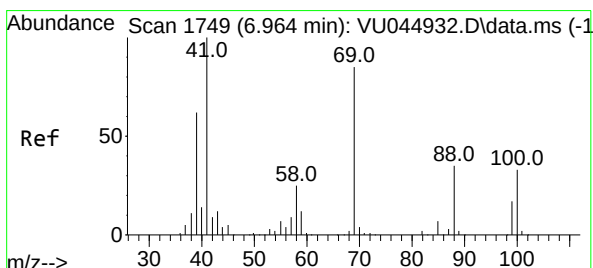
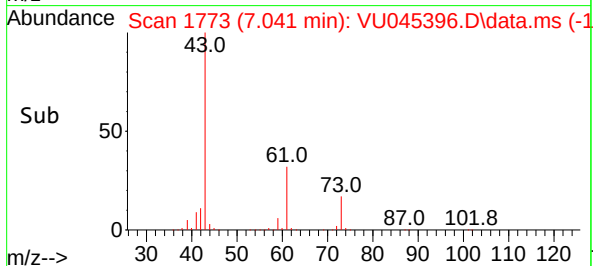
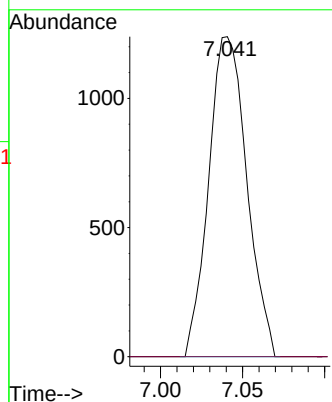
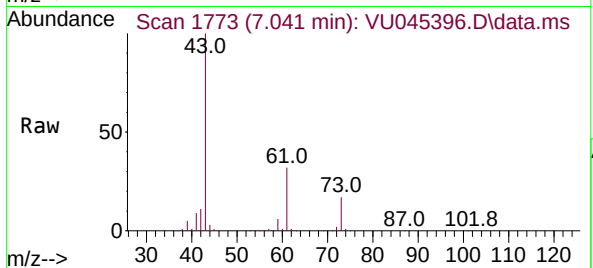


#45

1,2-Dichloropropane
Concen: 0.616 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Instrument :
MSVOA_U
ClientSampled :

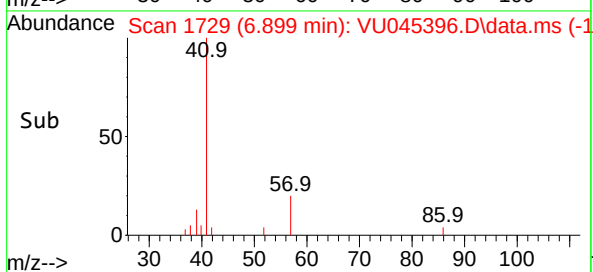
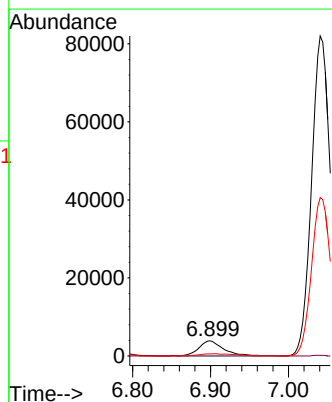
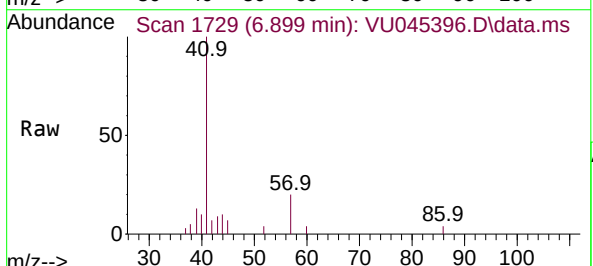
Tgt Ion: 63 Resp: 2003
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

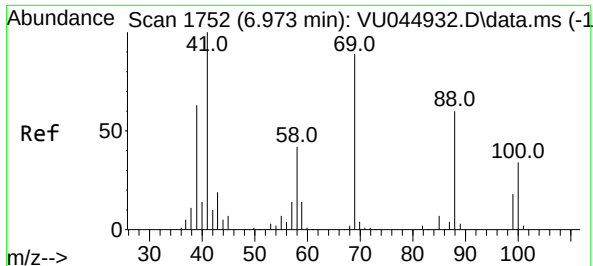


#48

Methyl methacrylate
Concen: 2.158 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.065 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 41 Resp: 8614
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: VU045396.D

Acq: 25 Oct 2021 20:13

Tgt Ion: 88 Resp: 208

Ion Ratio Lower Upper

88 100

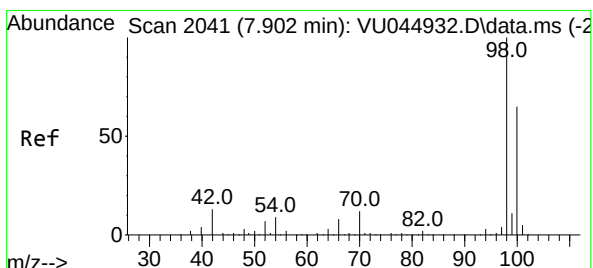
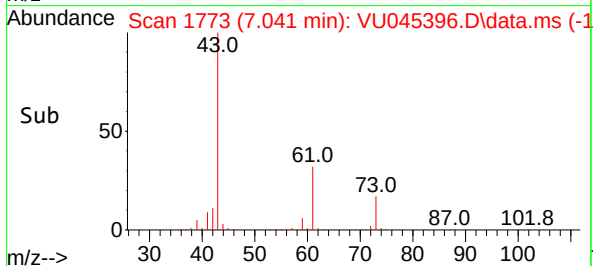
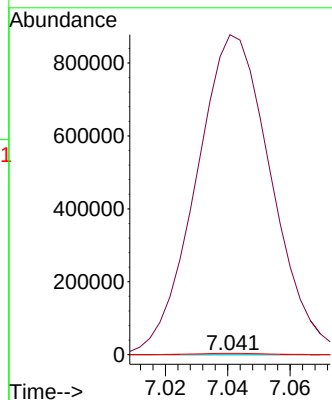
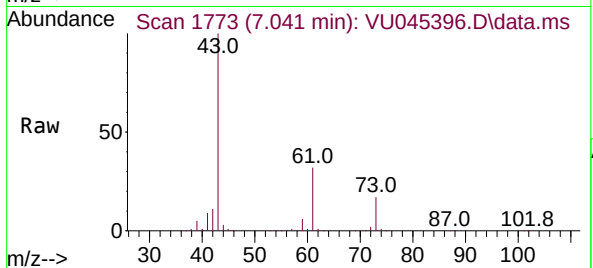
43 719224.0 25.8 38.6#

58 2975.5 61.3 91.9#

Instrument :

MSVOA_U

ClientSampleId :



#50

Toluene-d8

Concen: 50.521 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU045396.D

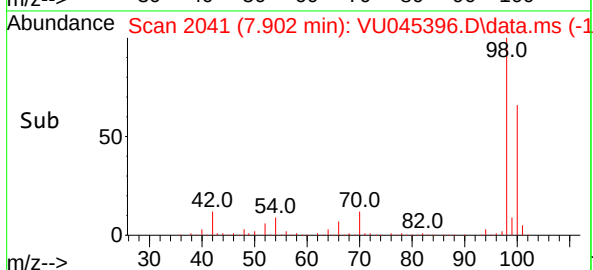
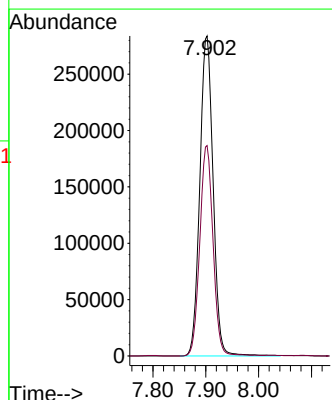
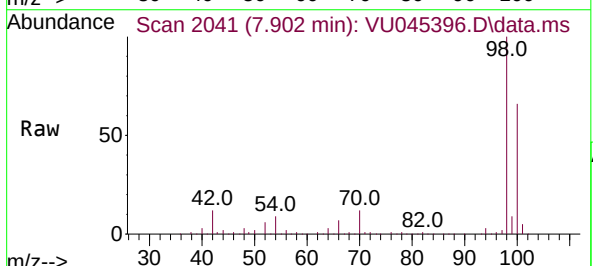
Acq: 25 Oct 2021 20:13

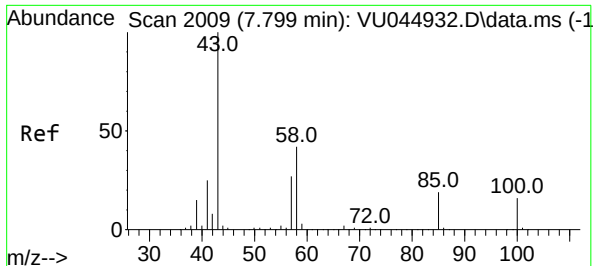
Tgt Ion: 98 Resp: 496043

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

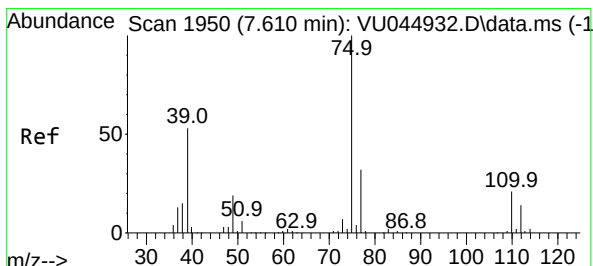
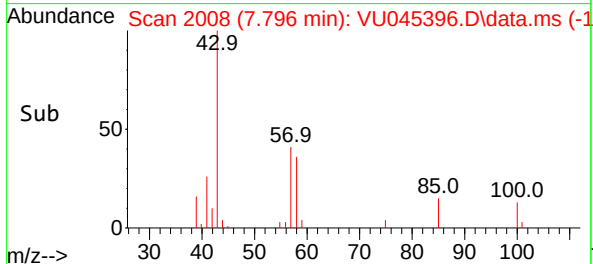
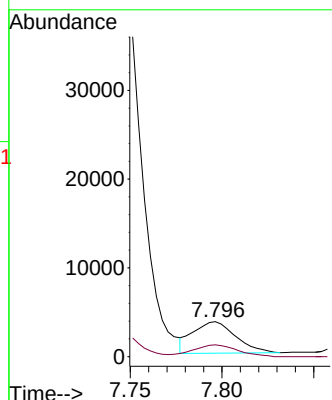
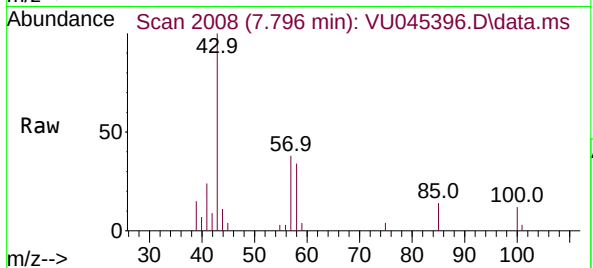




#51
4-Methyl-2-Pentanone
Concen: 0.966 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

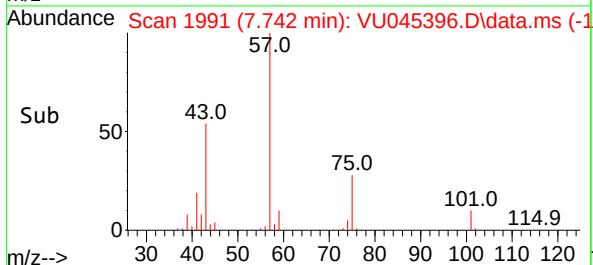
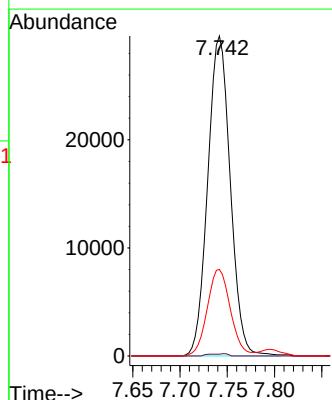
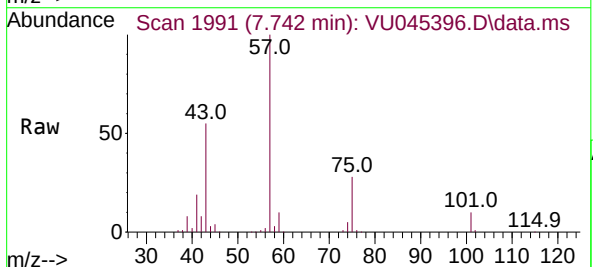
Instrument :
MSVOA_U
ClientSampled :

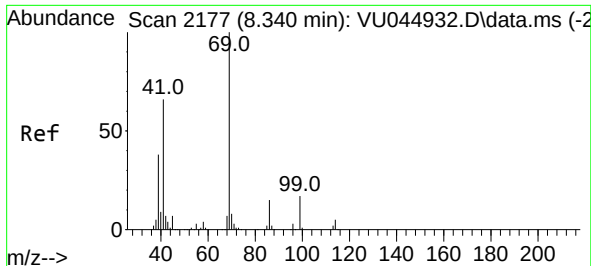
Tgt Ion: 43 Resp: 5769
Ion Ratio Lower Upper
43 100
58 39.3 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 9.683 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 75 Resp: 49076
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 27.1 41.4 62.2#

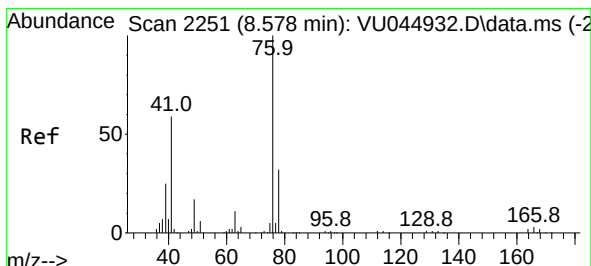
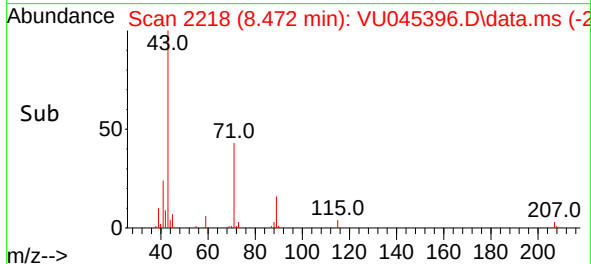
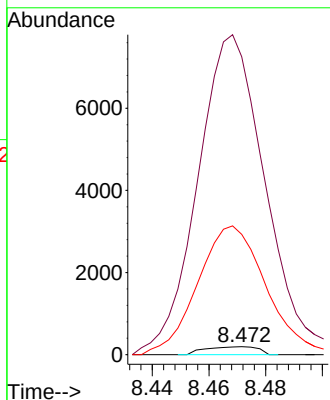
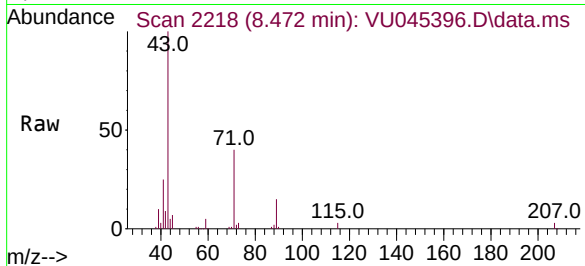




#56
Ethyl methacrylate
Concen: 1.859 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.132 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

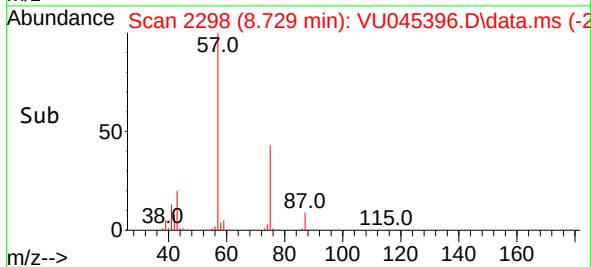
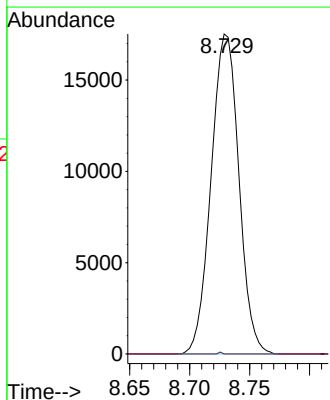
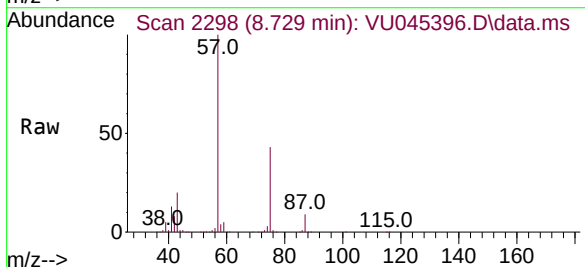
Instrument :
MSVOA_U
ClientSampled :

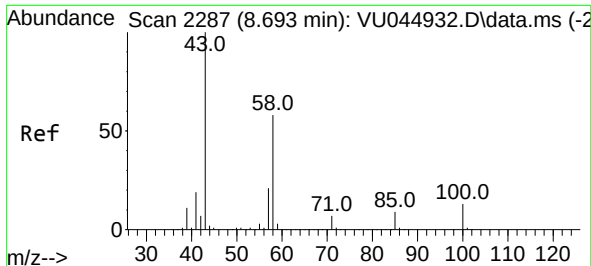
Tgt Ion: 69 Resp: 249
Ion Ratio Lower Upper
69 100
41 5249.4 53.5 80.3#
39 2113.3 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 4.936 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 76 Resp: 28187
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

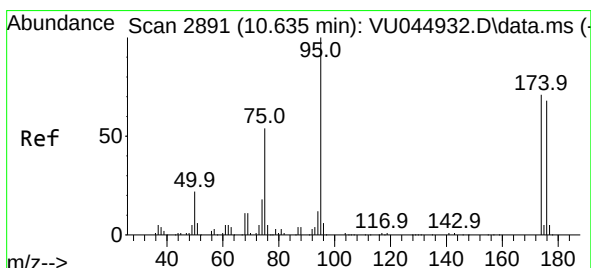
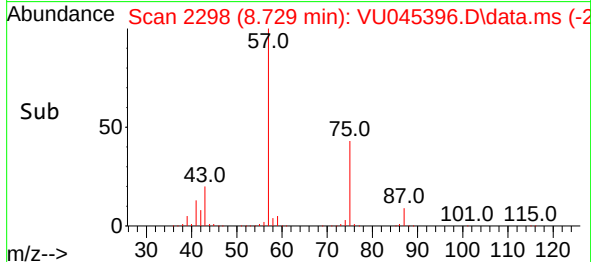
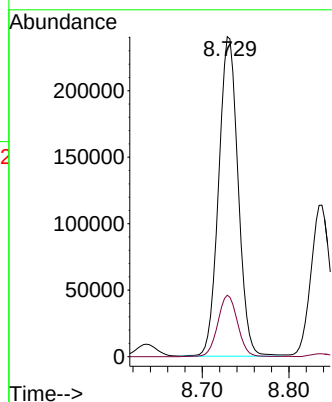
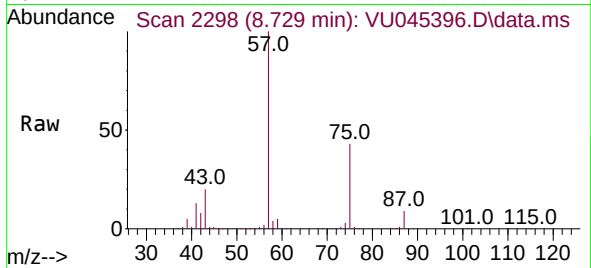




#59
2-Hexanone
Concen: 77.111 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.036 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

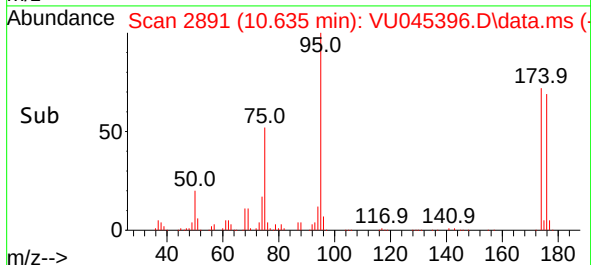
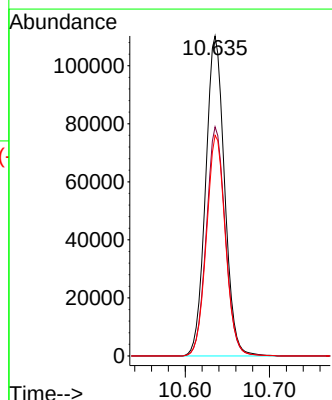
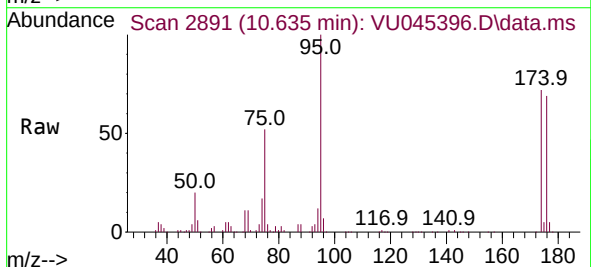
Instrument :
MSVOA_U
ClientSampled :

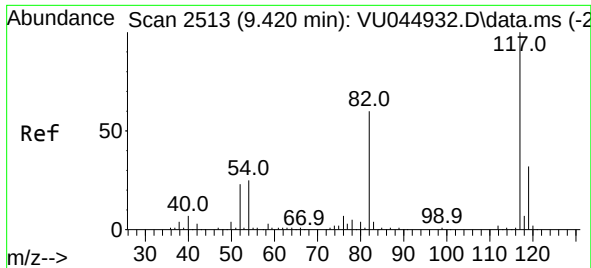
Tgt Ion: 43 Resp: 374864
Ion Ratio Lower Upper
43 100
58 19.6 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 42.512 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 95 Resp: 172329
Ion Ratio Lower Upper
95 100
174 71.8 0.0 146.6
176 69.1 0.0 141.2

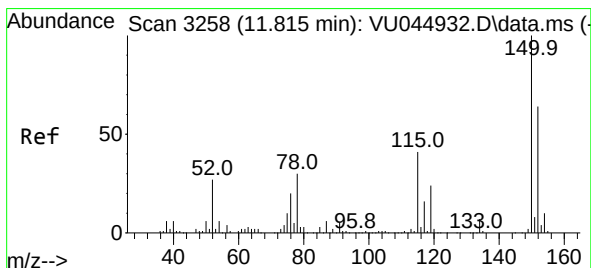
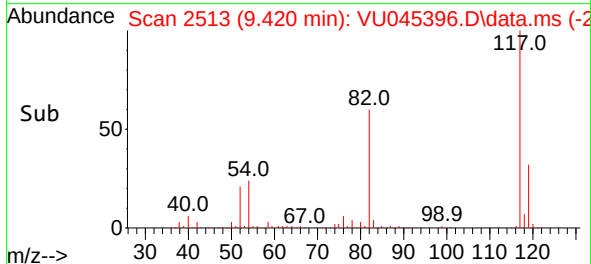
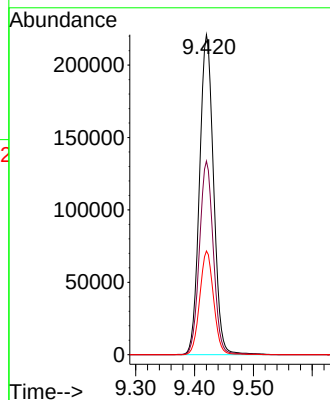
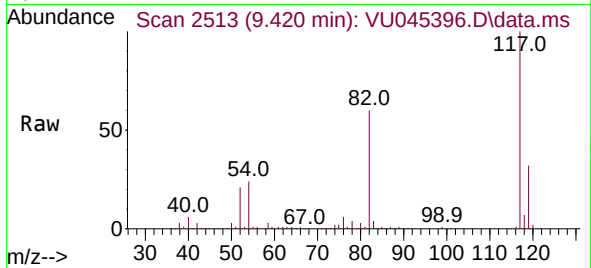




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

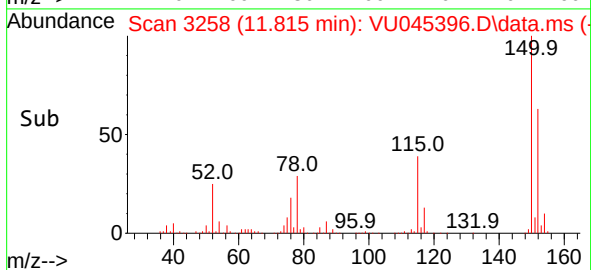
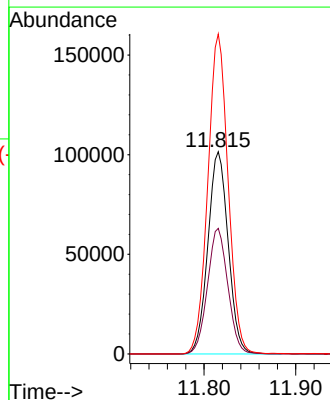
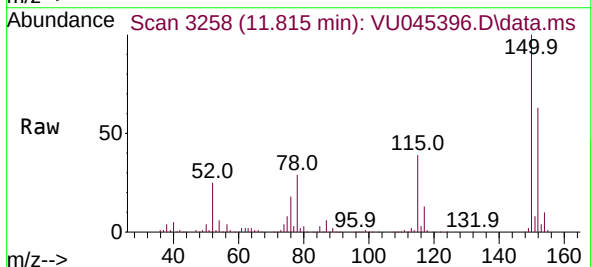
Instrument :
MSVOA_U
ClientSampleId :

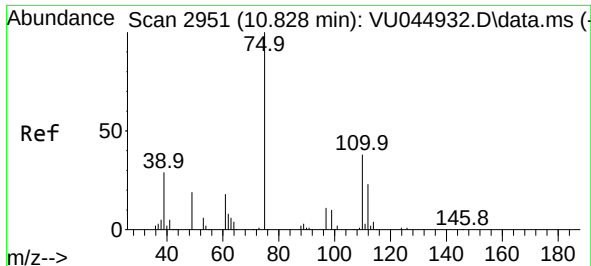
Tgt Ion:117 Resp: 366727
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion:152 Resp: 156002
Ion Ratio Lower Upper
152 100
115 62.3 43.5 130.7
150 157.7 0.0 350.0

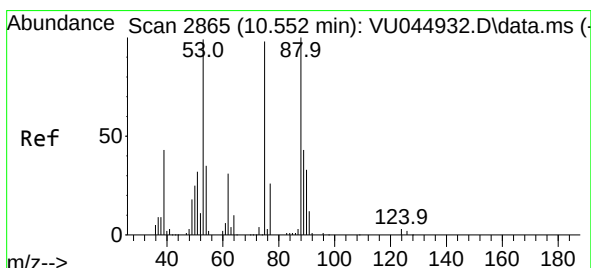
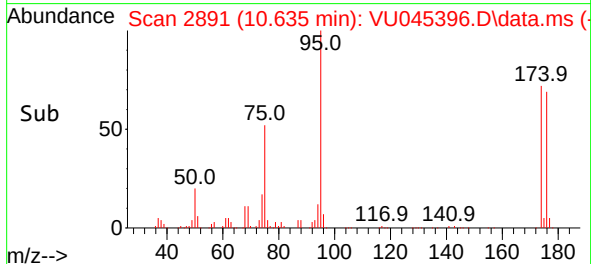
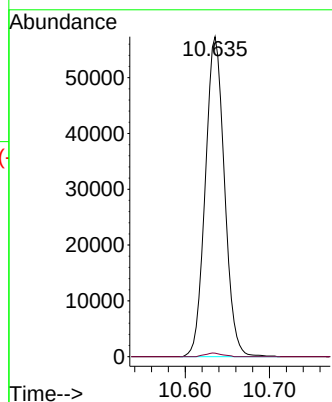
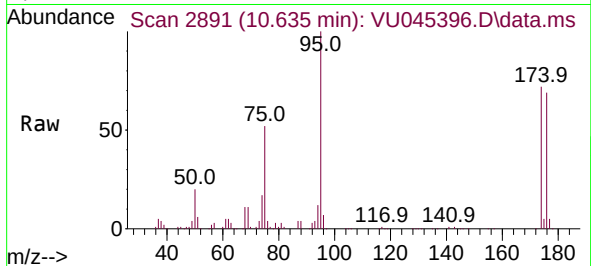




#76
1,2,3-Trichloropropane
Concen: 19.981 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 90920
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.451 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045396.D
Acq: 25 Oct 2021 20:13

Tgt Ion: 75 Resp: 90920
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

