

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045385.D
 Acq On : 25 Oct 2021 15:27
 Operator : SY/MD
 Sample : M4294-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:43:29 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

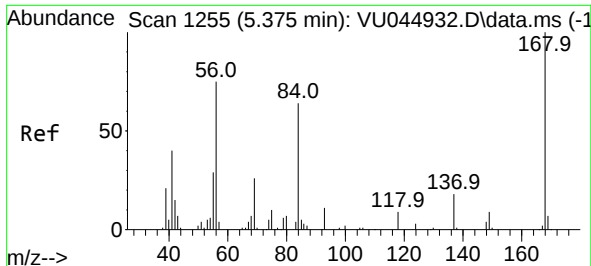
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.375	168	218677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	415163	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	386604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	159240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	178324	48.988	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.980%
35) Dibromofluoromethane	5.292	113	128563	49.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	7.902	98	520169	50.267	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.540%
62) 4-Bromofluorobenzene	10.645	95	183431	42.936	ug/l	0.01
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.880%
Target Compounds						
					Qvalue	
3) Chloromethane	1.514	50	904	0.258	ug/l	100
11) Tert butyl alcohol	3.189	59	584	0.559	ug/l #	72
16) Acetone	2.652	43	17274	7.995	ug/l	98
18) Methyl Acetate	2.961	43	9352	1.481	ug/l	100
20) Methylene Chloride	3.038	84	11137	3.422	ug/l	93
25) 2-Butanone	4.729	43	3094	1.008	ug/l	99
29) Tetrahydrofuran	5.076	42	2157	1.180	ug/l #	75
31) Cyclohexane	5.375	56	5408	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20205	4.654	ug/l #	49
37) Ethyl Acetate	4.729	43	3094	0.539	ug/l #	69
38) Carbon Tetrachloride	5.375	117	23220	6.181	ug/l #	15
41) Methacrylonitrile	5.076	41	1144	0.387	ug/l #	36
43) Isopropyl Acetate	5.925	43	31819	3.682	ug/l	98
45) 1,2-Dichloropropane	7.050	63	1868	0.545	ug/l #	45
48) Methyl methacrylate	6.967	41	6530	1.552	ug/l #	14
49) 1,4-Dioxane	7.038	88	83	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.751	43	106194	16.879	ug/l #	46
54) cis-1,3-Dichloropropene	7.751	75	52359	9.803	ug/l #	57
56) Ethyl methacrylate	8.115	69	4930	2.546	ug/l #	54
57) 1,3-Dichloropropane	8.748	76	30024	4.989	ug/l #	43
59) 2-Hexanone	8.658	43	15676	3.060	ug/l #	23
76) 1,2,3-Trichloropropane	10.642	75	96795	20.840	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	96795	57.834	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
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Response via : Initial Calibration

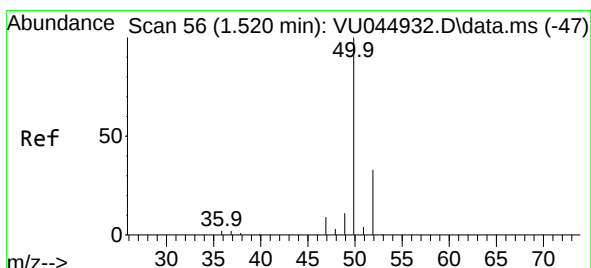
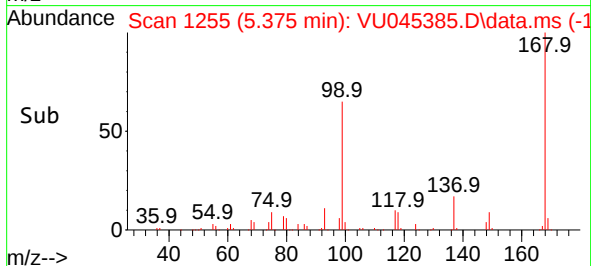
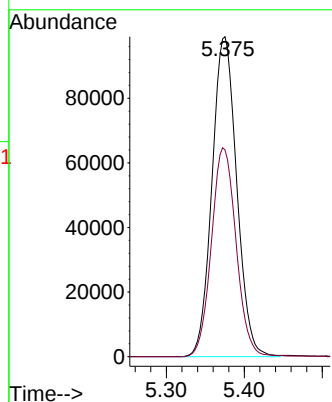
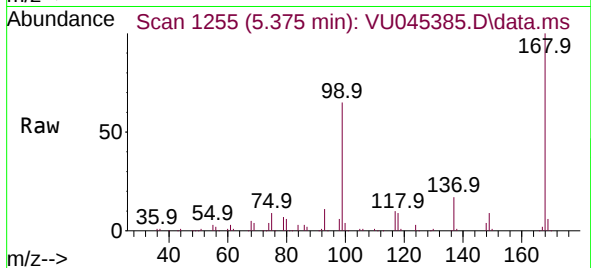




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

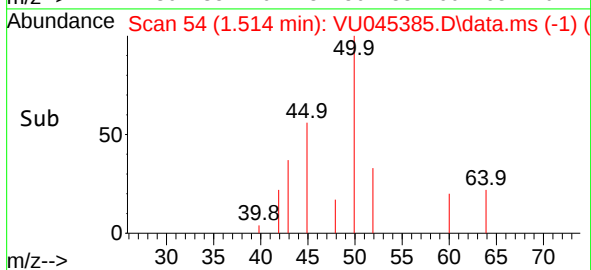
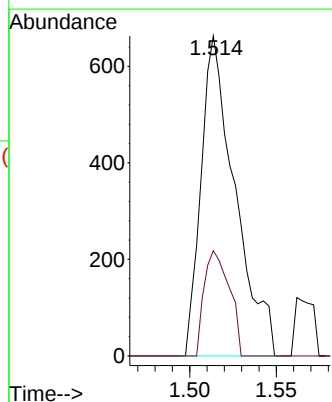
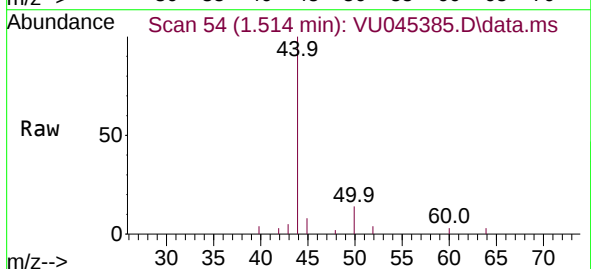
Instrument :
MSVOA_U
ClientSampled :

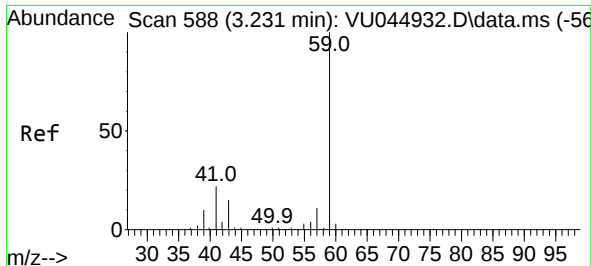
Tgt Ion:168 Resp: 218677
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#3
Chloromethane
Concen: 0.258 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 50 Resp: 904
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5

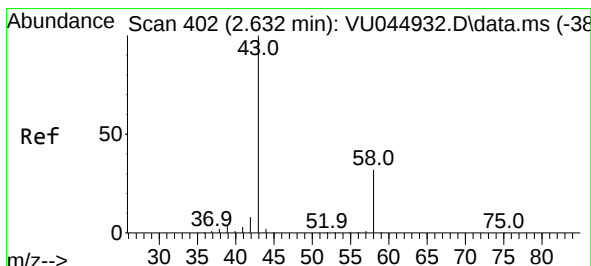
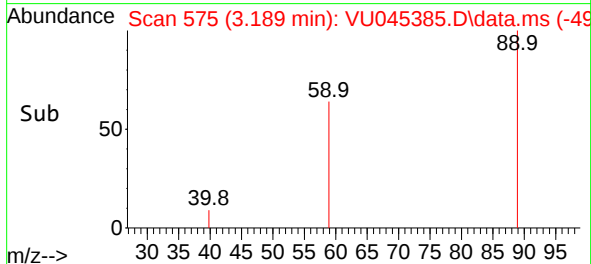
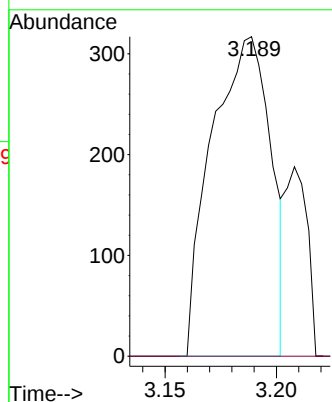
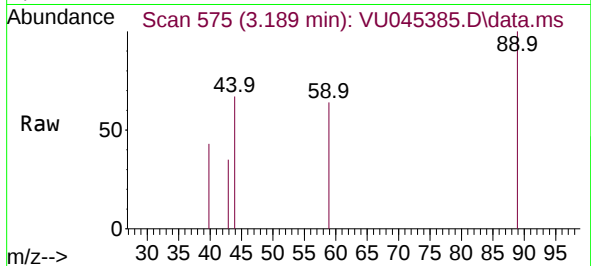




#11
Tert butyl alcohol
Concen: 0.559 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

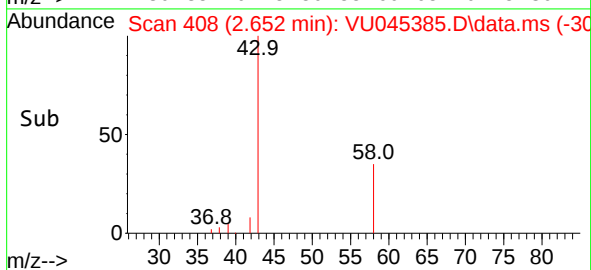
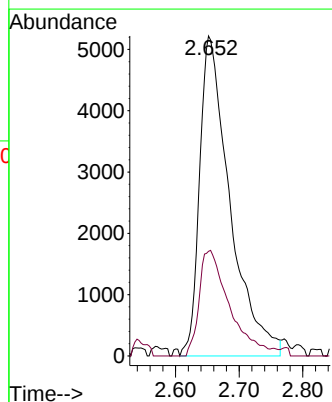
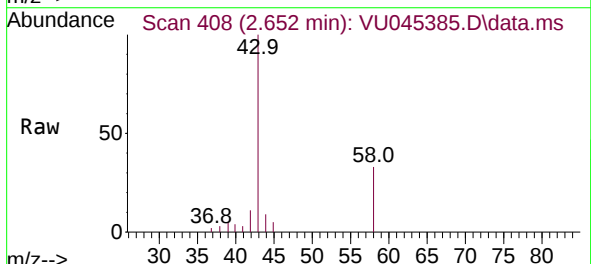
Instrument :
MSVOA_U
ClientSampled :

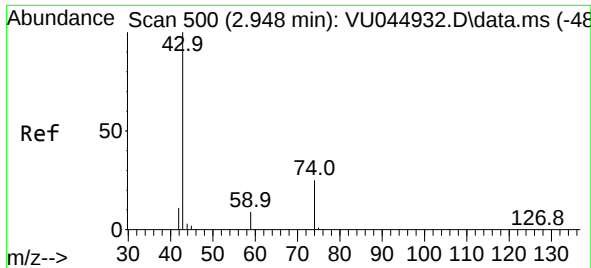
Tgt Ion: 59 Resp: 584
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.995 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.020 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 43 Resp: 17274
Ion Ratio Lower Upper
43 100
58 32.7 25.2 37.8

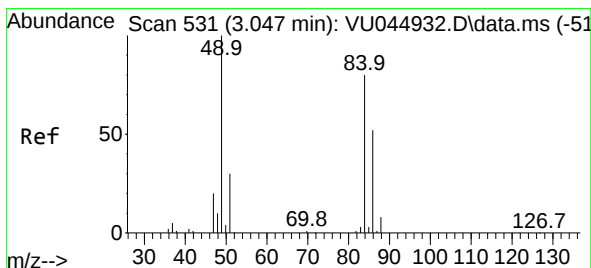
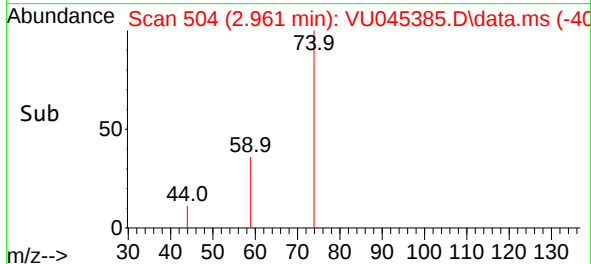
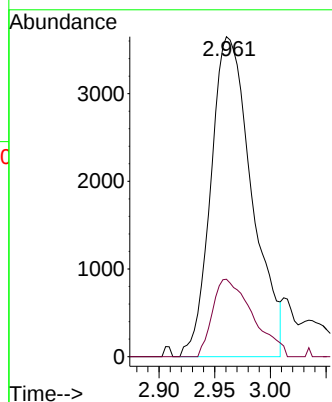
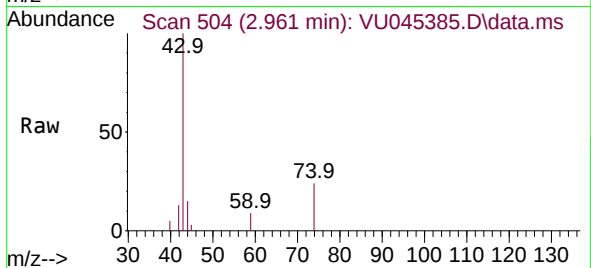




#18
Methyl Acetate
Concen: 1.481 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

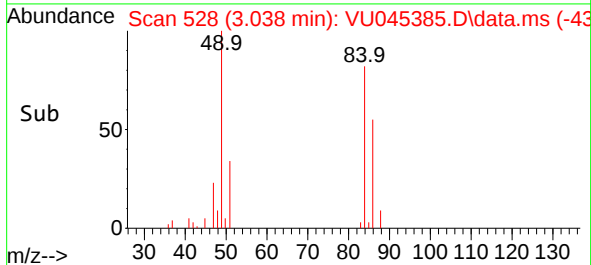
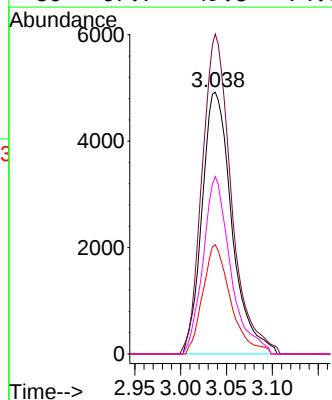
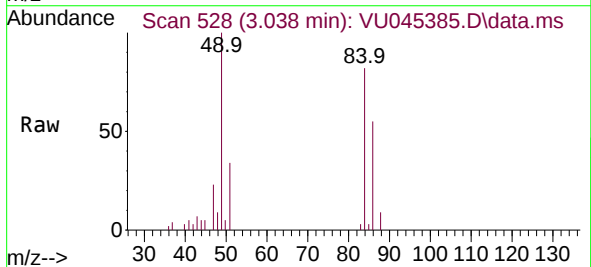
Instrument :
MSVOA_U
ClientSampled :

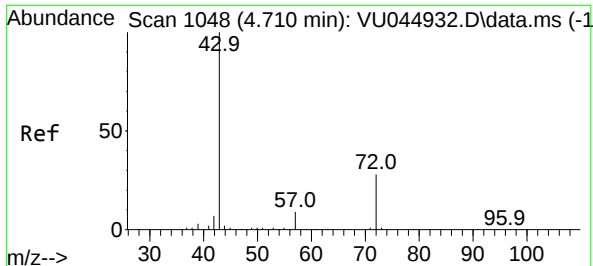
Tgt Ion: 43 Resp: 9352
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.6



#20
Methylene Chloride
Concen: 3.422 ug/l
RT: 3.038 min Scan# 528
Delta R.T. -0.009 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 84 Resp: 11137
Ion Ratio Lower Upper
84 100
49 122.3 104.9 157.3
51 41.7 31.8 47.8
86 67.7 49.8 74.6





#25

2-Butanone

Concen: 1.008 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.019 min

Lab File: VU045385.D

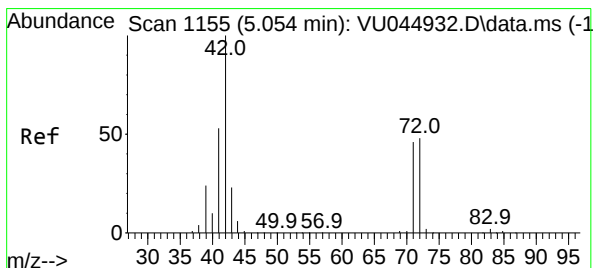
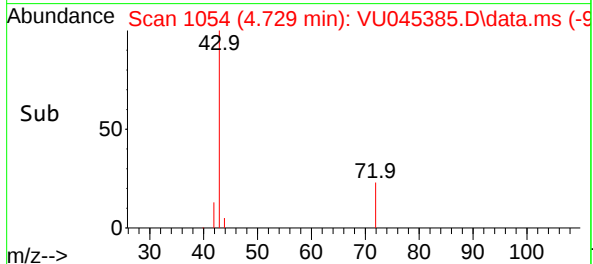
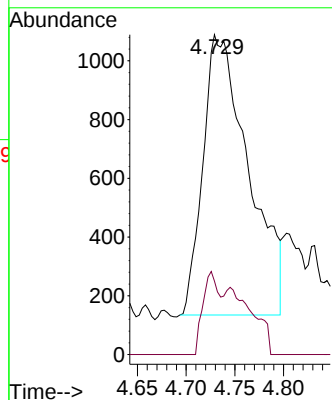
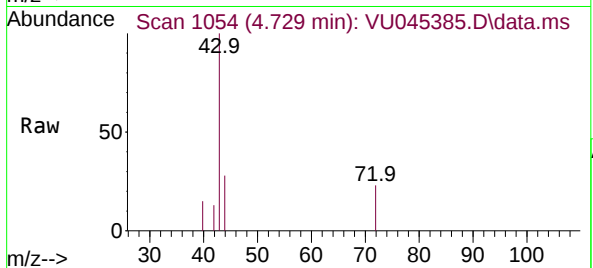
Acq: 25 Oct 2021 15:27

Tgt Ion: 43 Resp: 3094

Ion Ratio Lower Upper

43 100

72 26.2 21.3 31.9



#29

Tetrahydrofuran

Concen: 1.180 ug/l

RT: 5.076 min Scan# 1162

Delta R.T. 0.022 min

Lab File: VU045385.D

Acq: 25 Oct 2021 15:27

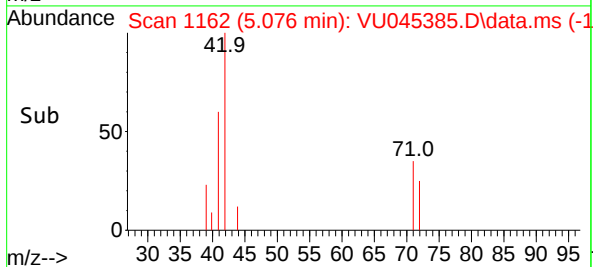
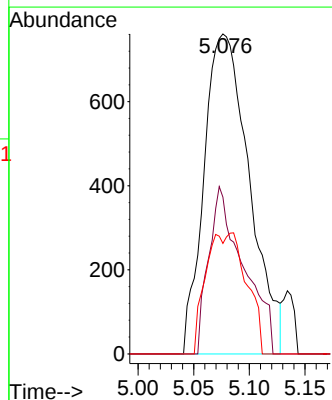
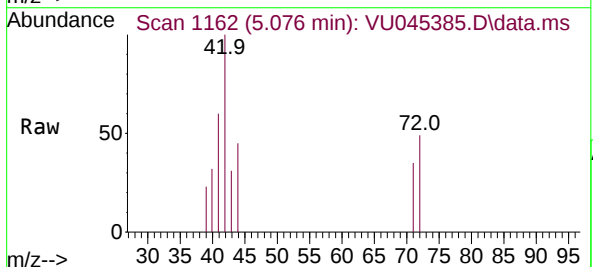
Tgt Ion: 42 Resp: 2157

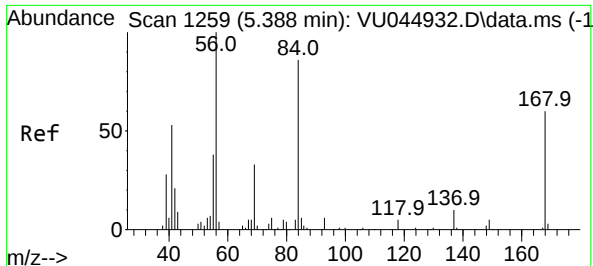
Ion Ratio Lower Upper

42 100

72 40.1 36.2 54.4

71 15.6 34.1 51.1#





#31

Cyclohexane

Concen: 0.978 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.013 min

Lab File: VU045385.D

Acq: 25 Oct 2021 15:27

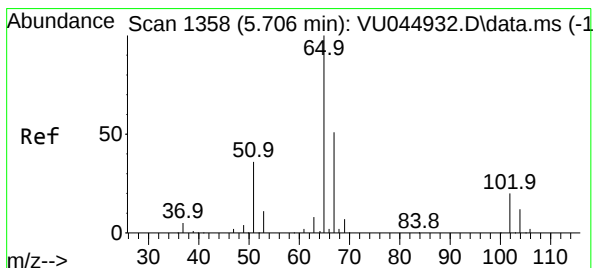
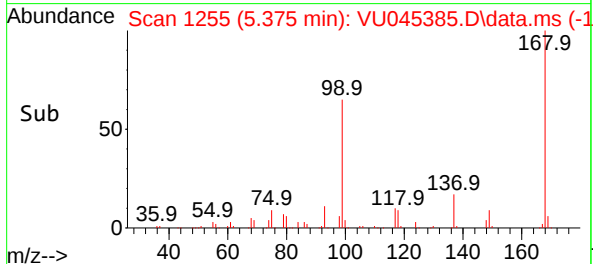
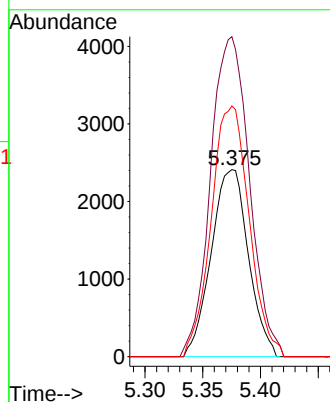
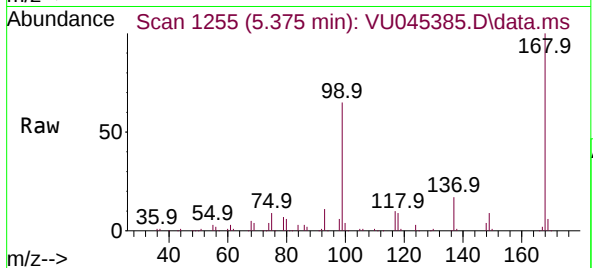
Tgt Ion: 56 Resp: 5408

Ion Ratio Lower Upper

56 100

69 171.1 25.2 37.8#

84 134.1 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 48.988 ug/l

RT: 5.706 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VU045385.D

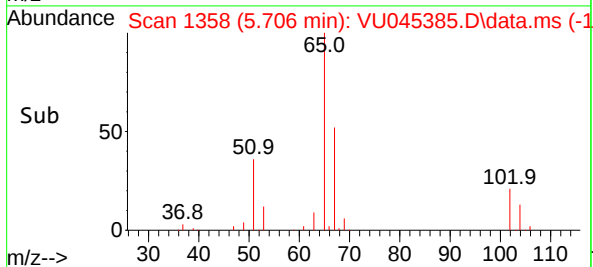
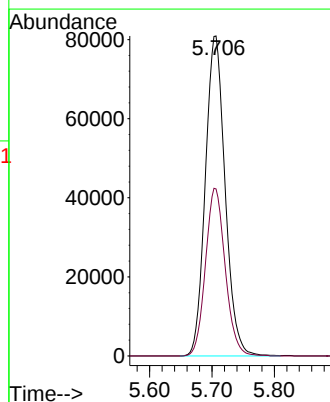
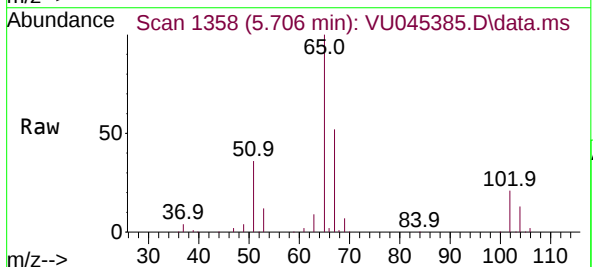
Acq: 25 Oct 2021 15:27

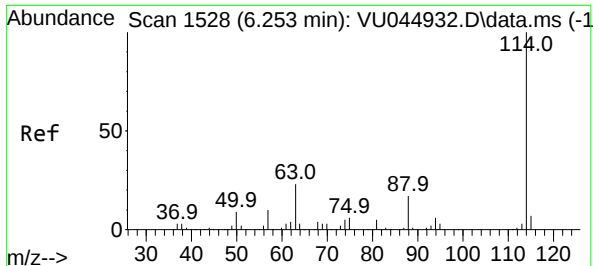
Tgt Ion: 65 Resp: 178324

Ion Ratio Lower Upper

65 100

67 52.3 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: VU045385.D

Acq: 25 Oct 2021 15:27

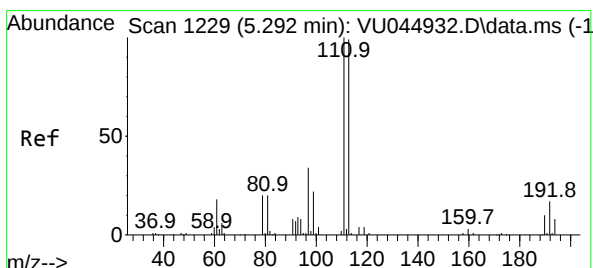
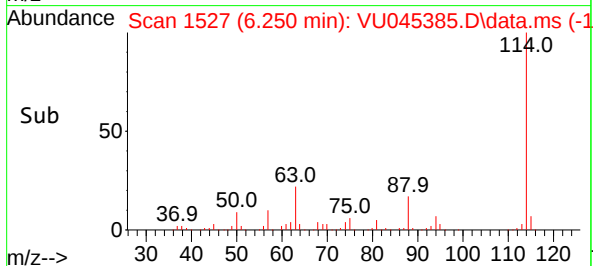
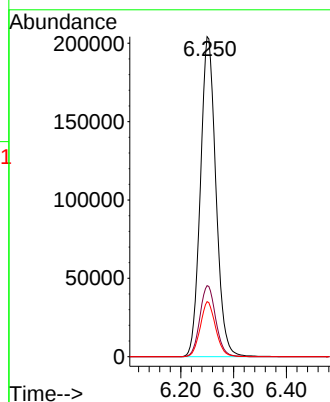
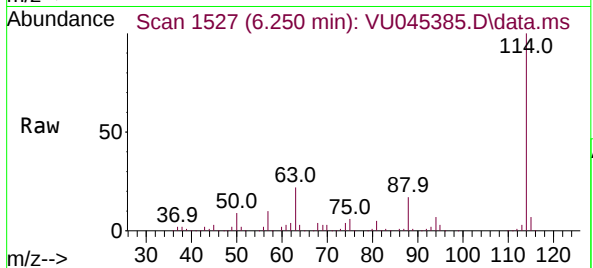
Tgt Ion:114 Resp: 415163

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.8

88 17.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.089 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045385.D

Acq: 25 Oct 2021 15:27

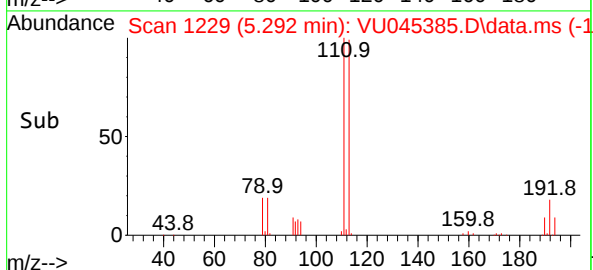
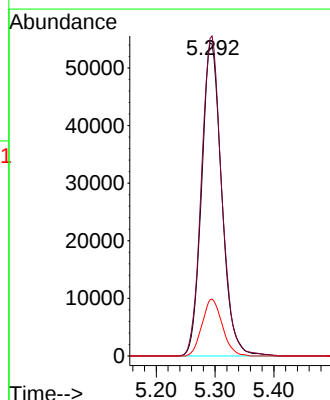
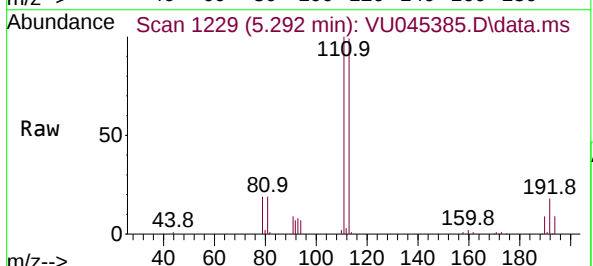
Tgt Ion:113 Resp: 128563

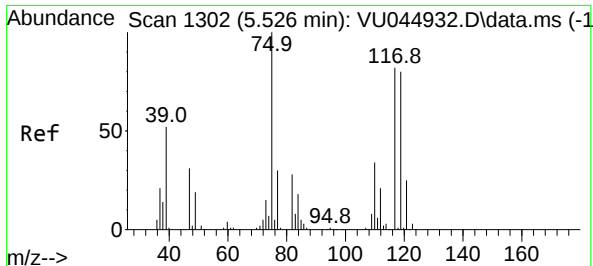
Ion Ratio Lower Upper

113 100

111 103.1 84.1 126.1

192 18.3 14.8 22.2

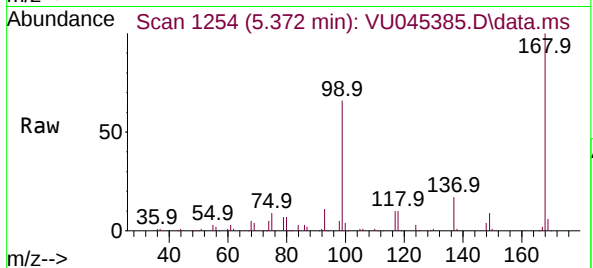




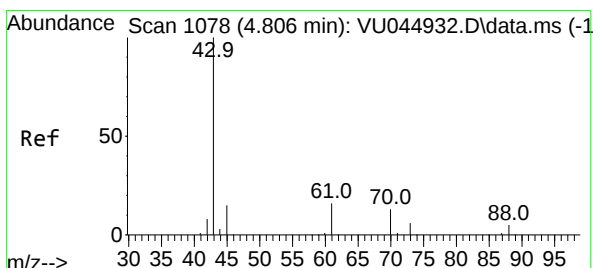
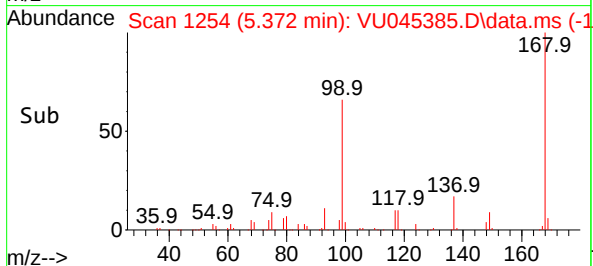
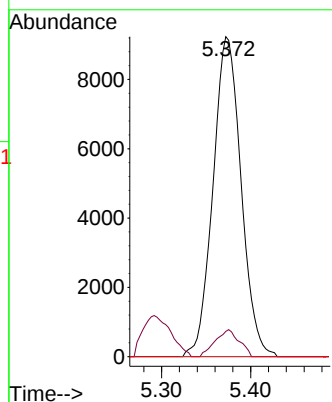
#36

1,1-Dichloropropene
Concen: 4.654 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Instrument :
MSVOA_U
ClientSampled :

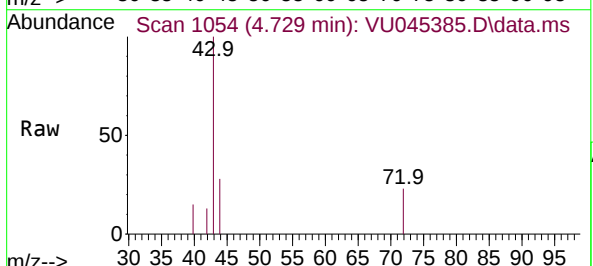


Tgt Ion:	75	Resp:	20205
Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.3	48.9#
77	0.0	25.0	37.4#

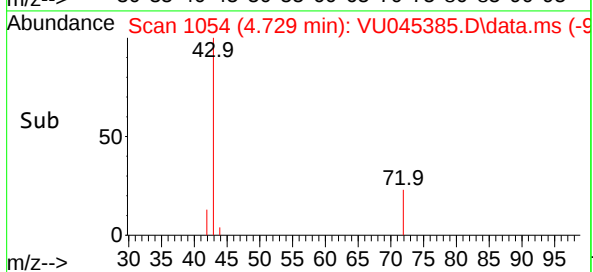
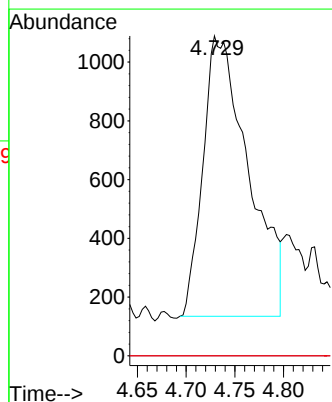


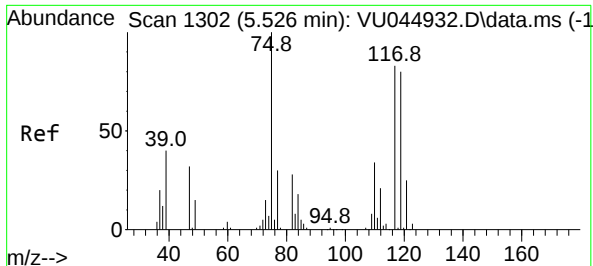
#37

Ethyl Acetate
Concen: 0.539 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. -0.077 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27



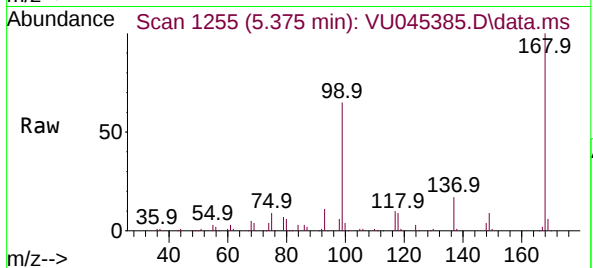
Tgt Ion:	43	Resp:	3094
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



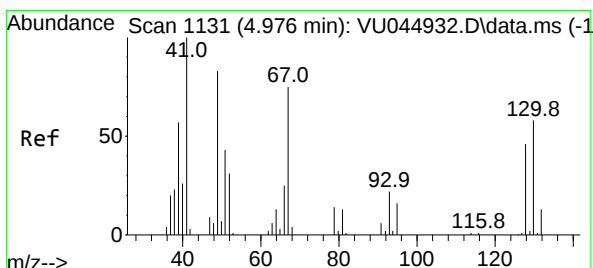
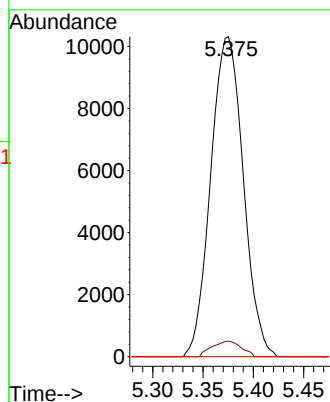
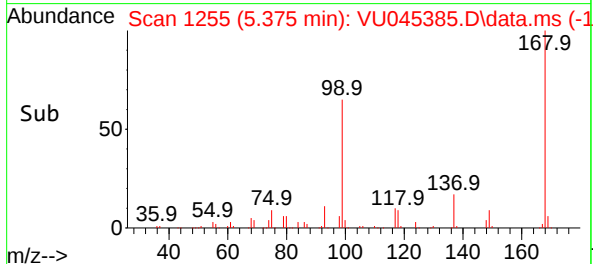


#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

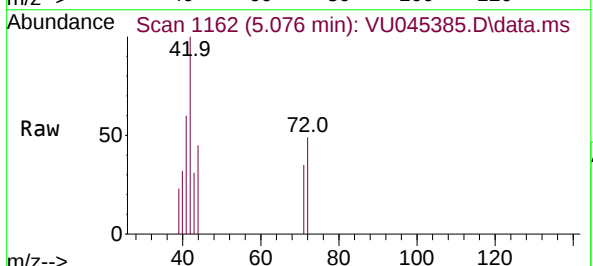
Instrument :
MSVOA_U
ClientSampled :



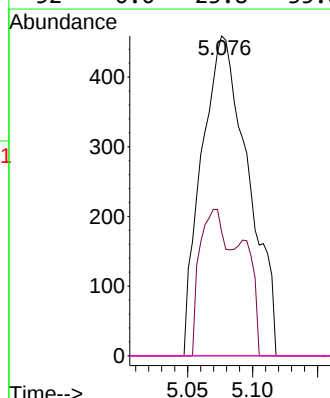
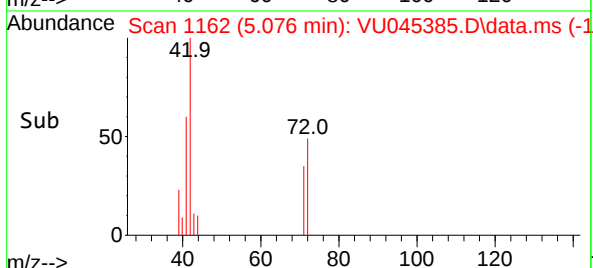
Tgt Ion:117 Resp: 23220
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.2#
121 0.0 24.5 36.7#

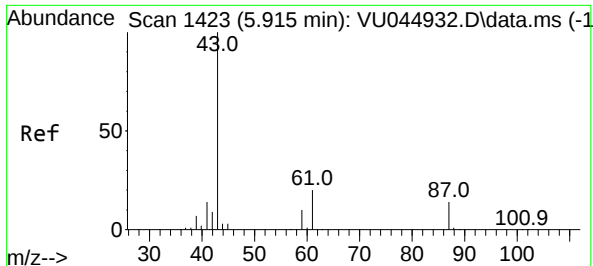


#41
Methacrylonitrile
Concen: 0.387 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.100 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27



Tgt Ion: 41 Resp: 1144
Ion Ratio Lower Upper
41 100
39 26.7 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



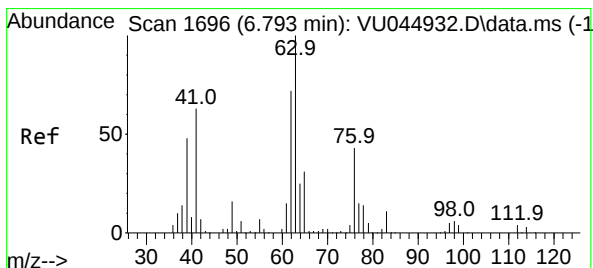
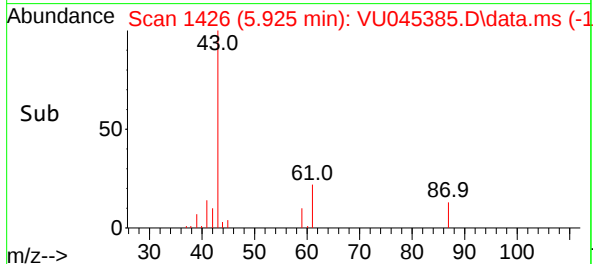
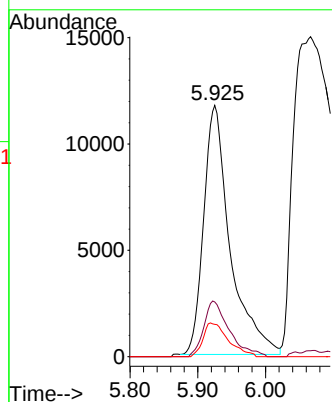
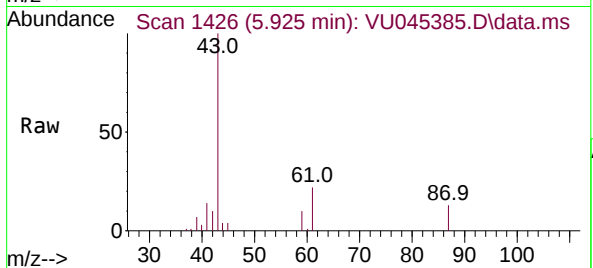


#43

Isopropyl Acetate
Concen: 3.682 ug/l
RT: 5.925 min Scan# 1426
Delta R.T. 0.010 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Instrument :
MSVOA_U
ClientSampled :

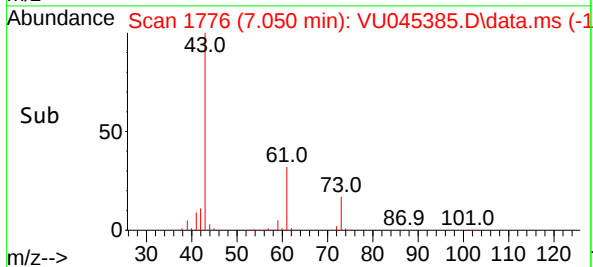
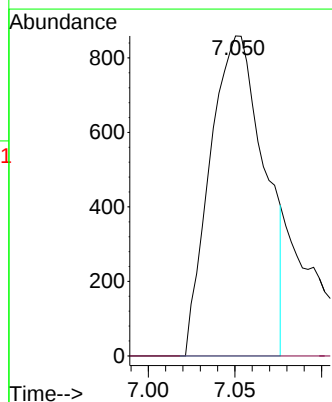
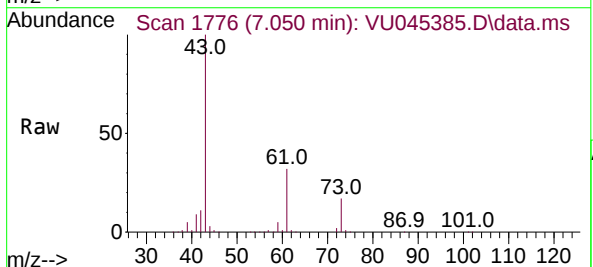
Tgt Ion: 43	Resp:	31819
Ion Ratio	Lower	Upper
43	100	
61	21.4	16.1 24.1
87	12.9	10.3 15.5

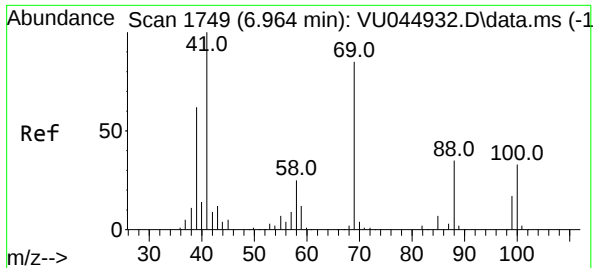


#45

1,2-Dichloropropane
Concen: 0.545 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.257 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 63	Resp:	1868
Ion Ratio	Lower	Upper
63	100	
65	0.0	23.9 35.9#

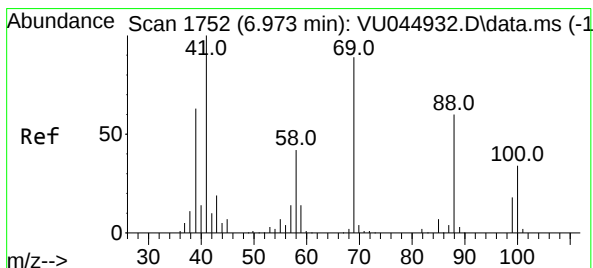
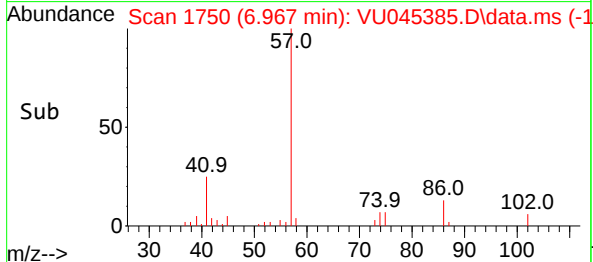
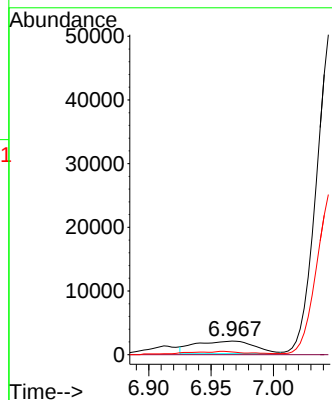
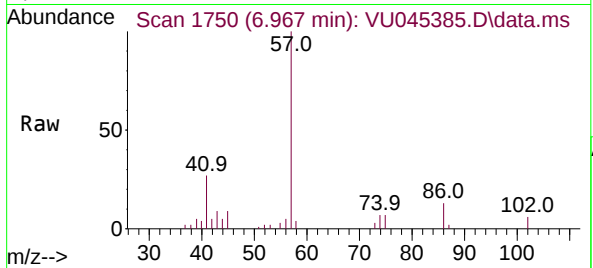




#48
Methyl methacrylate
Concen: 1.552 ug/l
RT: 6.967 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

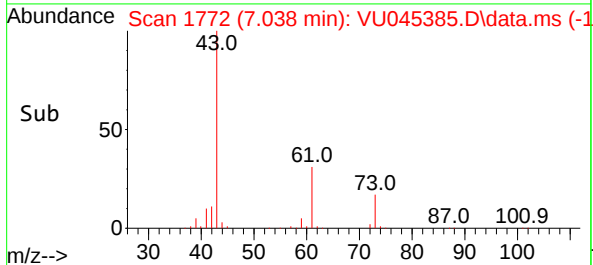
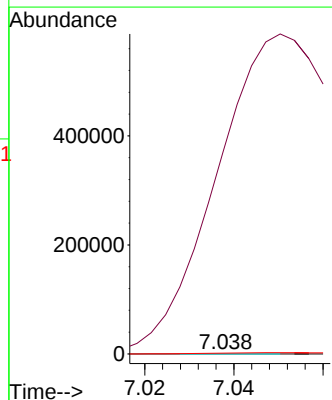
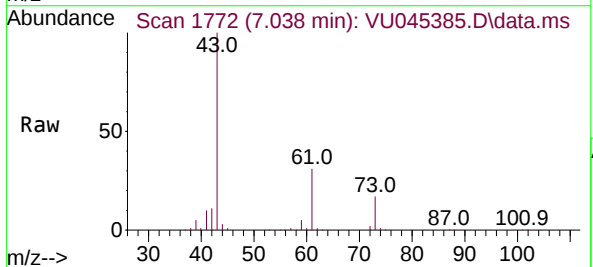
Instrument :
MSVOA_U
ClientSampled :

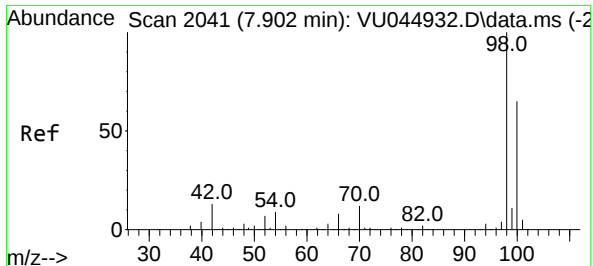
Tgt Ion: 41 Resp: 6530
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.038 min Scan# 1772
Delta R.T. 0.065 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 1980031.3 25.8 38.6#
58 8409.6 61.3 91.9#

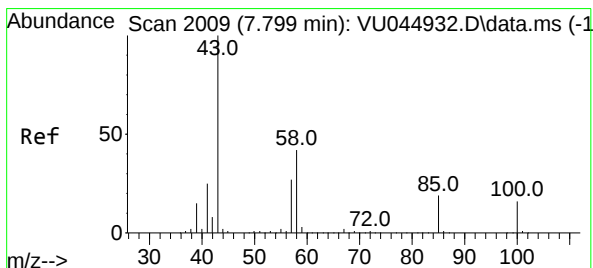
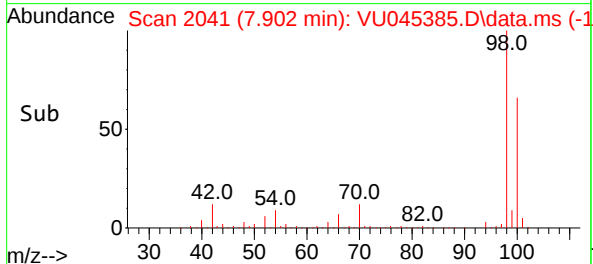
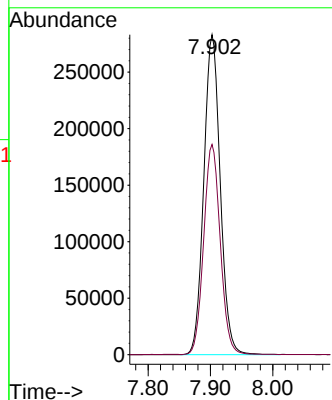
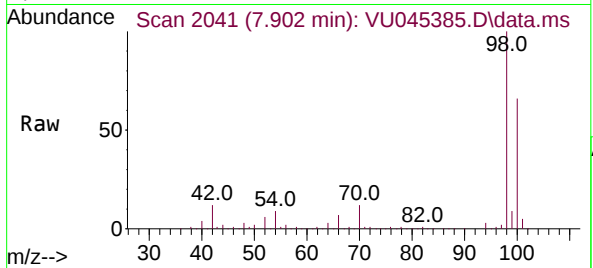




#50
Toluene-d8
Concen: 50.267 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

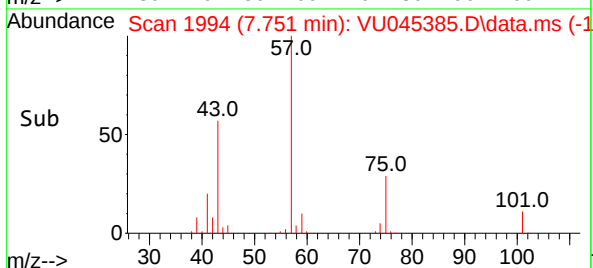
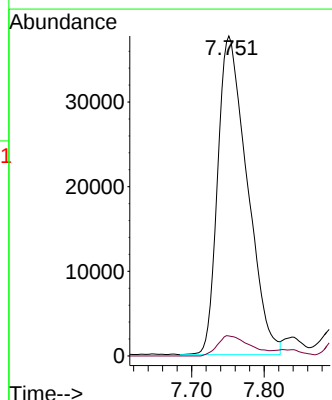
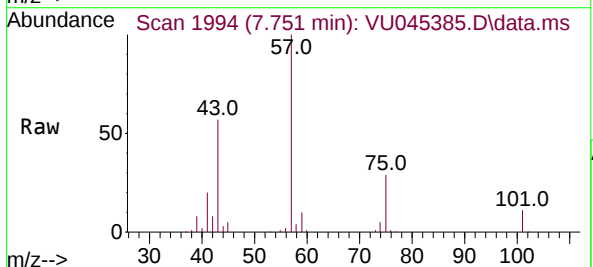
Instrument :
MSVOA_U
ClientSampled :

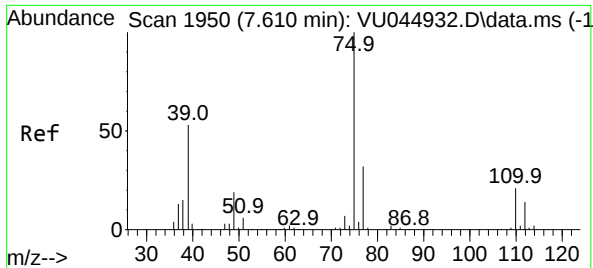
Tgt Ion: 98 Resp: 520169
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 16.879 ug/l
RT: 7.751 min Scan# 1994
Delta R.T. -0.048 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 43 Resp: 106194
Ion Ratio Lower Upper
43 100
58 7.0 32.4 48.6#

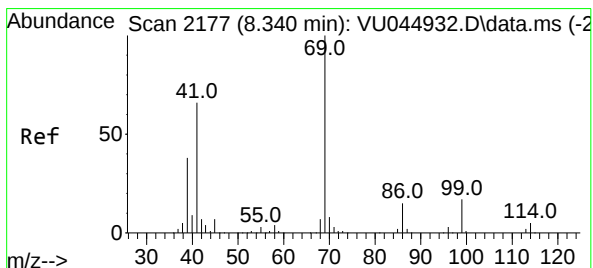
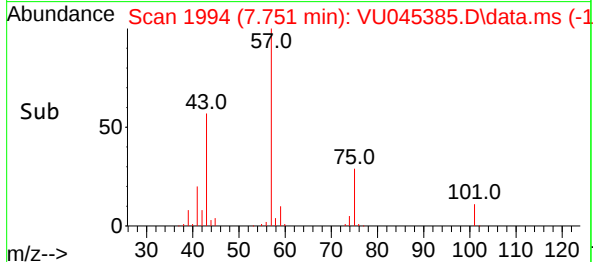
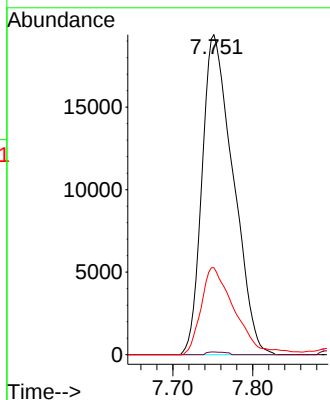
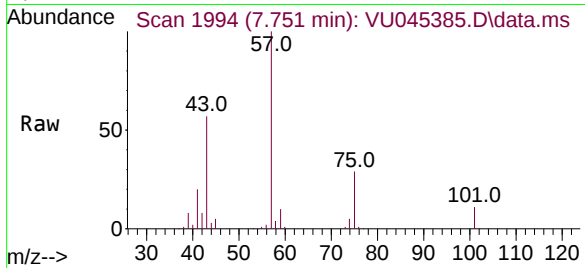




#54
 cis-1,3-Dichloropropene
 Concen: 9.803 ug/l
 RT: 7.751 min Scan# 1994
 Delta R.T. 0.141 min
 Lab File: VU045385.D
 Acq: 25 Oct 2021 15:27

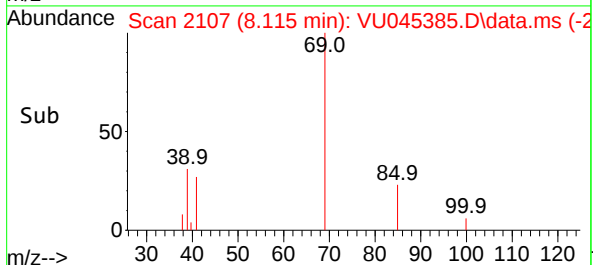
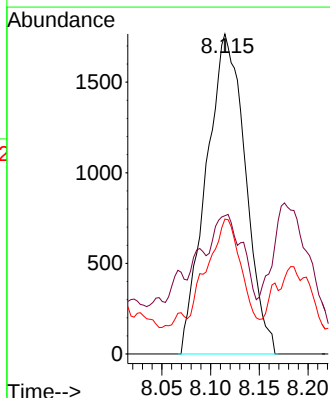
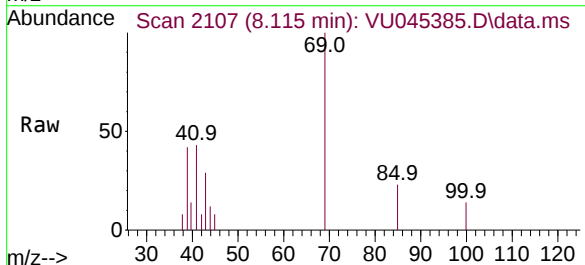
Instrument :
 MSVOA_U
 ClientSampled :

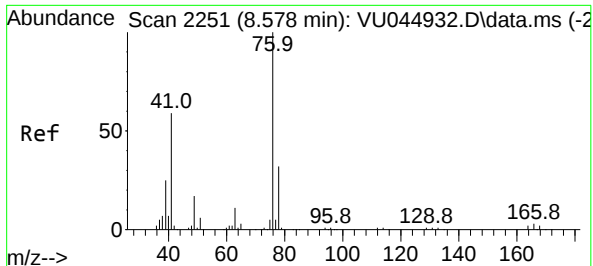
Tgt Ion: 75 Resp: 52359
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.6#
 39 27.2 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 2.546 ug/l
 RT: 8.115 min Scan# 2107
 Delta R.T. -0.225 min
 Lab File: VU045385.D
 Acq: 25 Oct 2021 15:27

Tgt Ion: 69 Resp: 4930
 Ion Ratio Lower Upper
 69 100
 41 18.5 53.5 80.3#
 39 26.0 31.1 46.7#



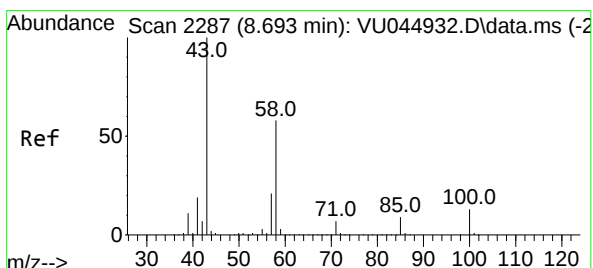
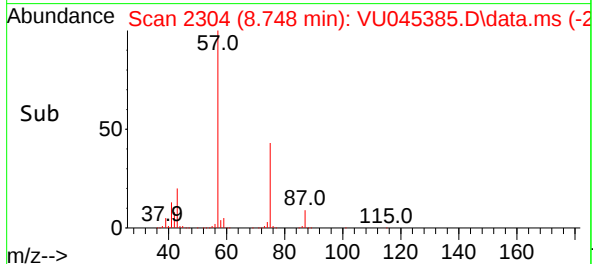
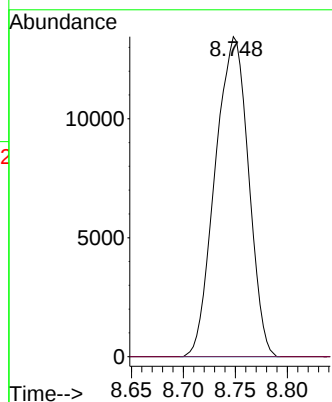
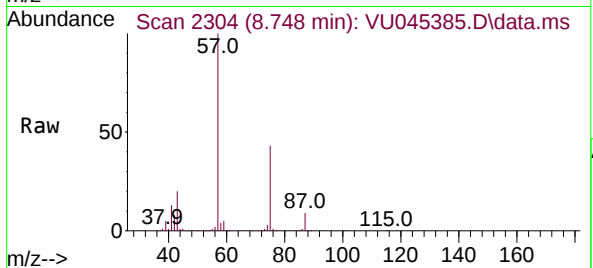


#57

1,3-Dichloropropane
Concen: 4.989 ug/l
RT: 8.748 min Scan# 2304
Delta R.T. 0.170 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Instrument :
MSVOA_U
ClientSampled :

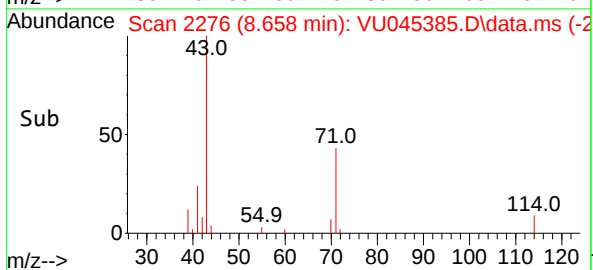
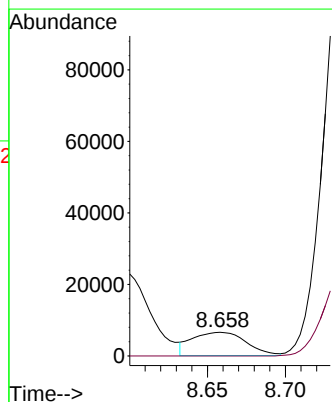
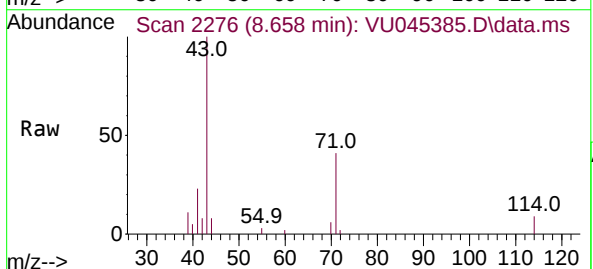
Tgt Ion: 76 Resp: 30024
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

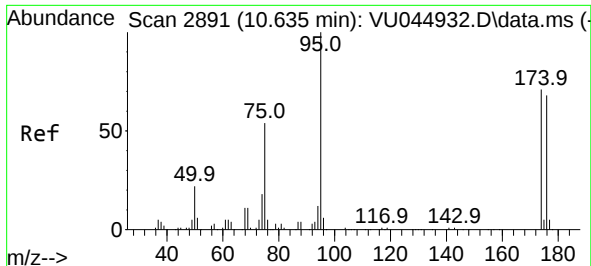


#59

2-Hexanone
Concen: 3.060 ug/l
RT: 8.658 min Scan# 2276
Delta R.T. -0.035 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 43 Resp: 15676
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#

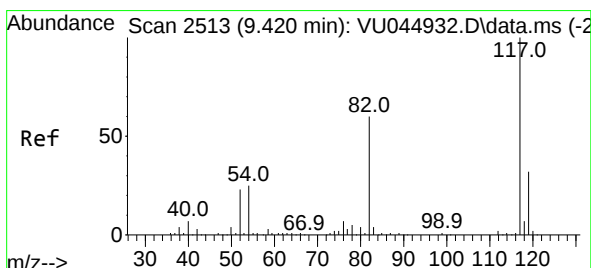
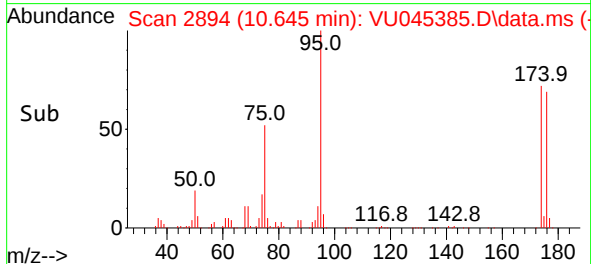
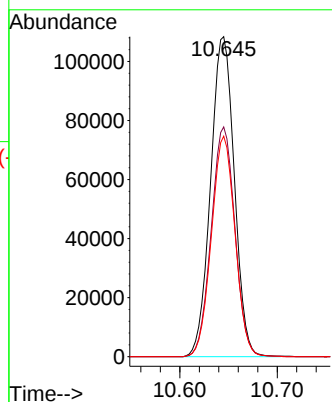
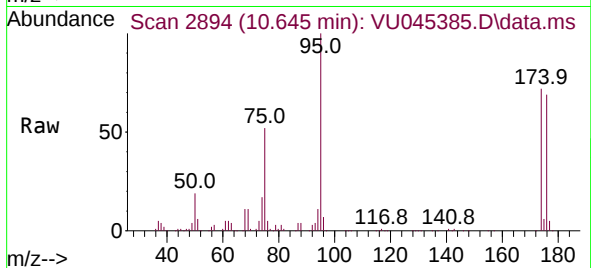




#62
4-Bromofluorobenzene
Concen: 42.936 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

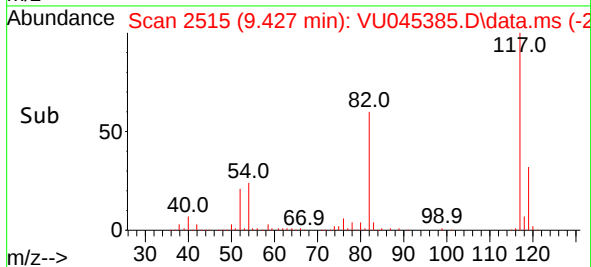
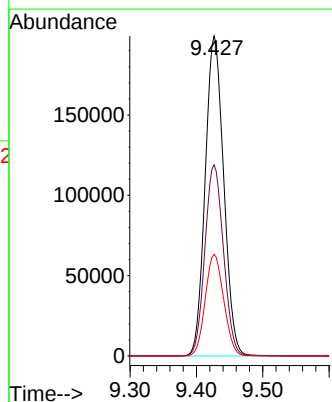
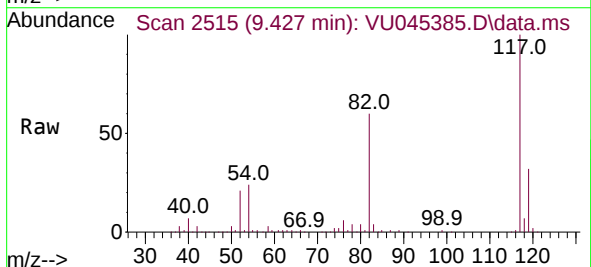
Instrument :
MSVOA_U
ClientSampled :

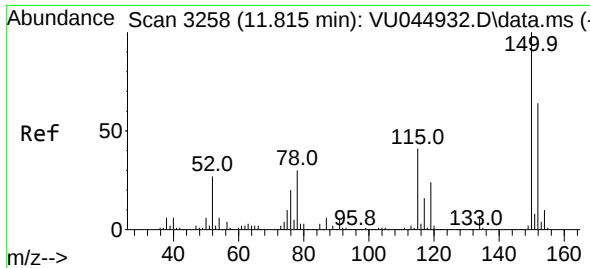
Tgt Ion: 95 Resp: 183431
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.6
176 68.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.007 min
Lab File: VU045385.D
Acq: 25 Oct 2021 15:27

Tgt Ion: 117 Resp: 386604
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 31.8 25.8 38.6

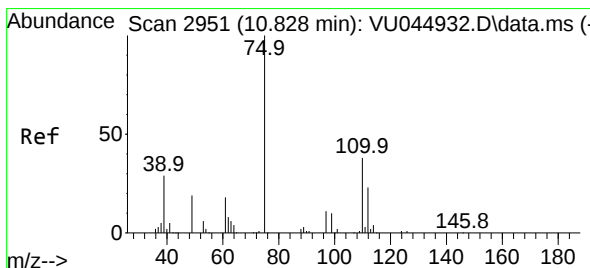
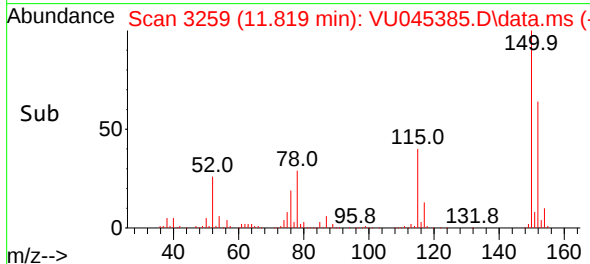
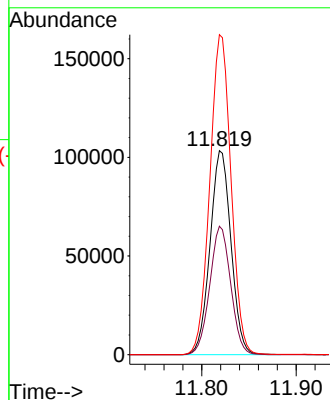
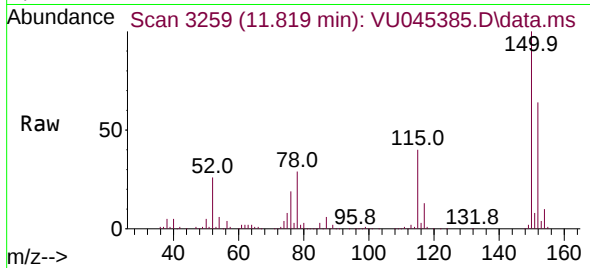




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.004 min
 Lab File: VU045385.D
 Acq: 25 Oct 2021 15:27

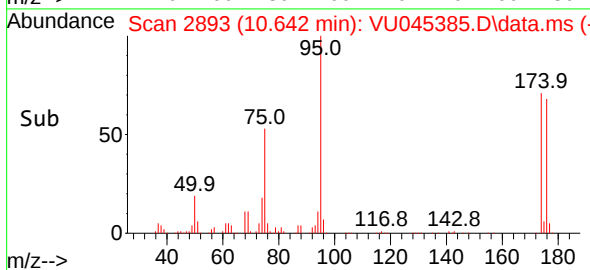
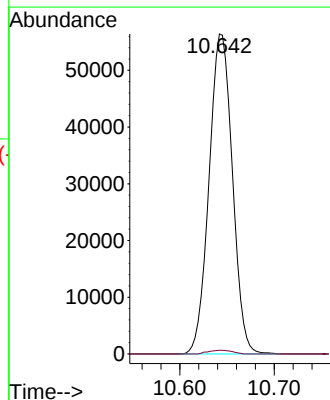
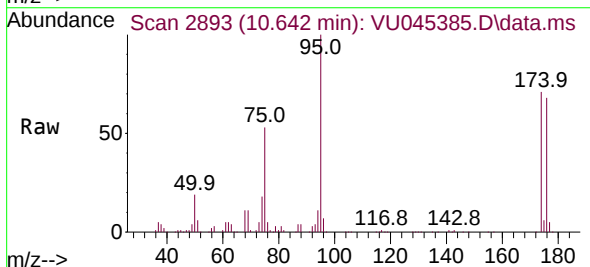
Instrument :
 MSVOA_U
 ClientSampled :

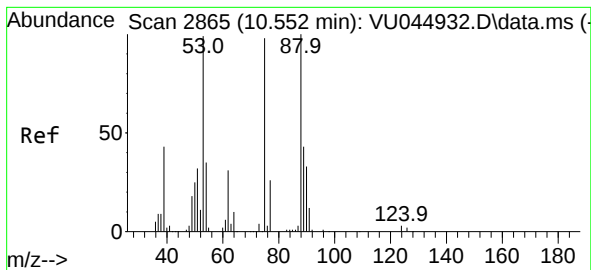
Tgt Ion:152 Resp: 159240
 Ion Ratio Lower Upper
 152 100
 115 62.8 43.5 130.7
 150 158.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.840 ug/l
 RT: 10.642 min Scan# 2893
 Delta R.T. -0.186 min
 Lab File: VU045385.D
 Acq: 25 Oct 2021 15:27

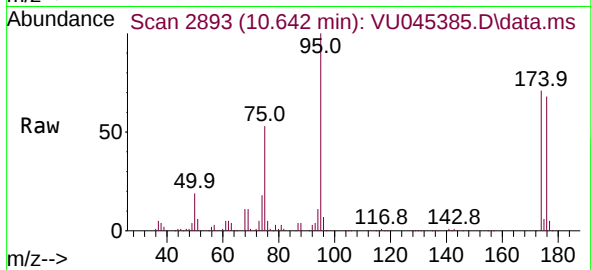
Tgt Ion: 75 Resp: 96795
 Ion Ratio Lower Upper
 75 100
 77 1.2 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.834 ug/l
 RT: 10.642 min Scan# 2893
 Delta R.T. 0.090 min
 Lab File: VU045385.D
 Acq: 25 Oct 2021 15:27

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 96795
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

