

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045778.D
 Acq On : 12 Nov 2021 18:39
 Operator : SY/MD
 Sample : PB140714ZHE#01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 05:23:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

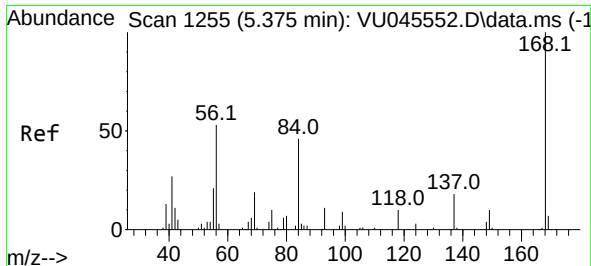
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	122020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	231947	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	240878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	117345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	99785	54.605	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.220%			
35) Dibromofluoromethane	5.295	113	78392	50.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	7.902	98	306863	53.290	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.580%			
62) 4-Bromofluorobenzene	10.635	95	113863	49.311	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.179	59	368	1.017	ug/l #	72
16) Acetone	2.626	43	17658	18.982	ug/l	94
17) Carbon Disulfide	2.793	76	860	0.229	ug/l #	75
18) Methyl Acetate	2.951	43	1011	0.319	ug/l #	59
20) Methylene Chloride	3.051	84	7788	4.818	ug/l	98
25) 2-Butanone	4.710	43	2957	2.292	ug/l	97
29) Tetrahydrofuran	5.067	42	617	0.782	ug/l #	53
31) Cyclohexane	5.375	56	2768	1.038	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10847	4.796	ug/l #	49
38) Carbon Tetrachloride	5.375	117	13447	5.897	ug/l #	15
43) Isopropyl Acetate	5.912	43	17835	4.488	ug/l	99
45) 1,2-Dichloropropane	7.041	63	1358	0.766	ug/l #	43
48) Methyl methacrylate	6.893	41	5191	2.838	ug/l #	13
49) 1,4-Dioxane	7.037	88	43	0.914	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	5325	2.031	ug/l	94
54) cis-1,3-Dichloropropene	7.742	75	29572	10.400	ug/l #	61
56) Ethyl methacrylate	8.472	69	184	2.481	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	18769	6.133	ug/l #	42
59) 2-Hexanone	8.729	43	237379	108.472	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	61178	17.192	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.092	105	1427	0.213	ug/l	90
81) trans-1,4-Dichloro-2-b...	10.635	75	61178	55.941	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.844	180	726	0.287	ug/l	82
95) Naphthalene	14.089	128	2137	1.249	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.333	180	566	0.226	ug/l	89

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

Quant Time: Nov 15 05:23:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

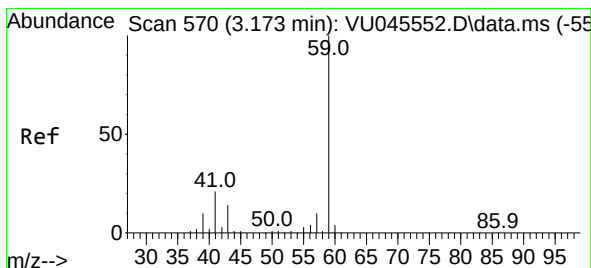
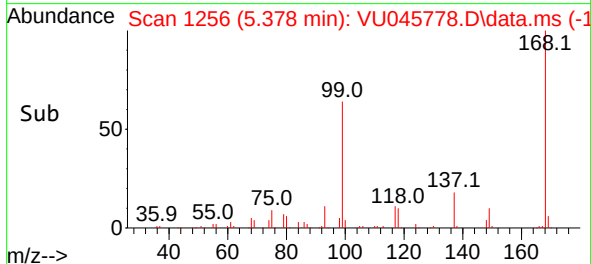
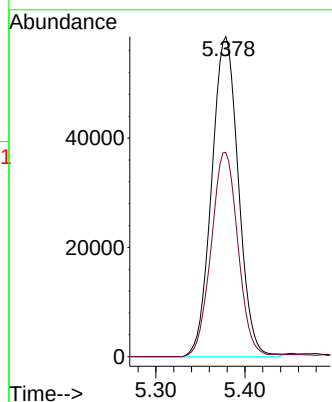
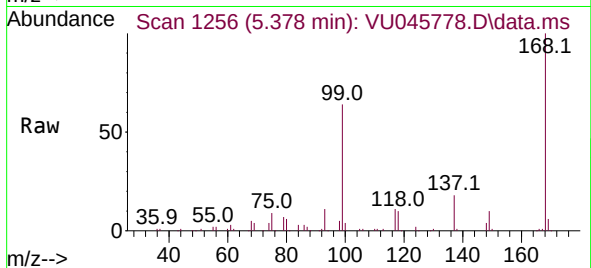




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

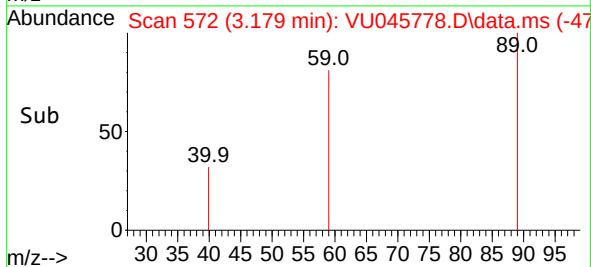
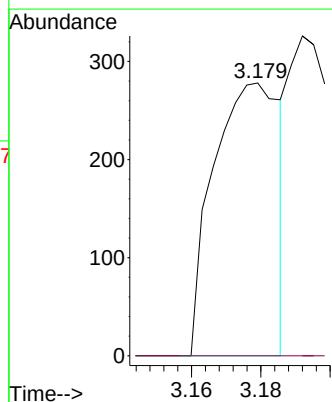
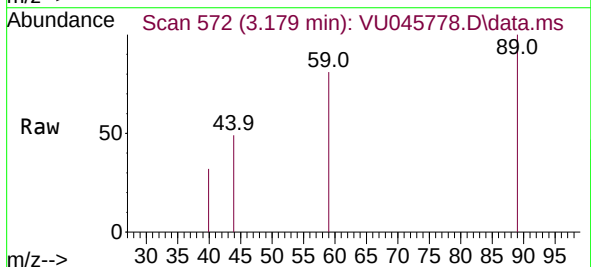
Instrument :
MSVOA_U
ClientSampleId :

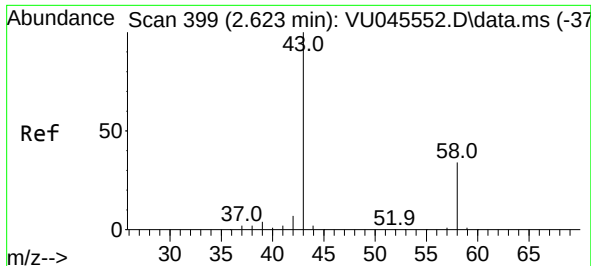
Tgt Ion:168 Resp: 122020
Ion Ratio Lower Upper
168 100
99 63.8 51.0 76.6



#11
Tert butyl alcohol
Concen: 1.017 ug/l
RT: 3.179 min Scan# 572
Delta R.T. 0.006 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 18.982 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

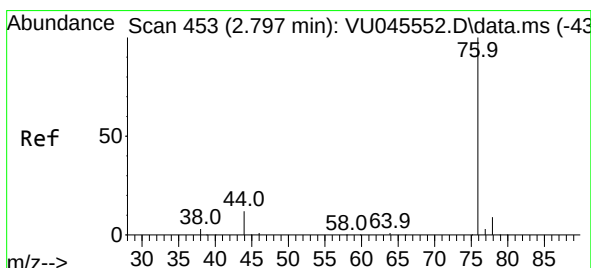
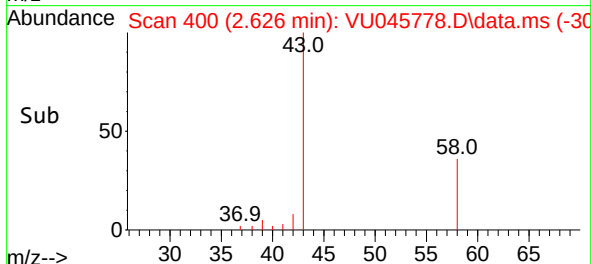
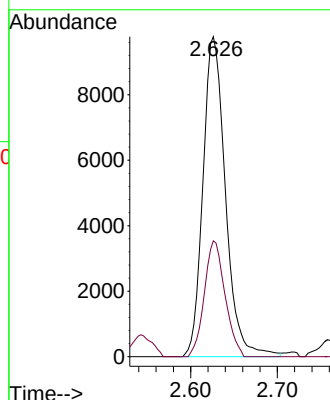
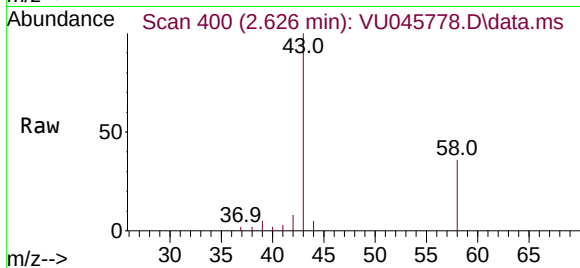
ClientSampleId :

Tgt Ion: 43 Resp: 17658

Ion Ratio Lower Upper

43 100

58 36.2 26.2 39.2



#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU045778.D

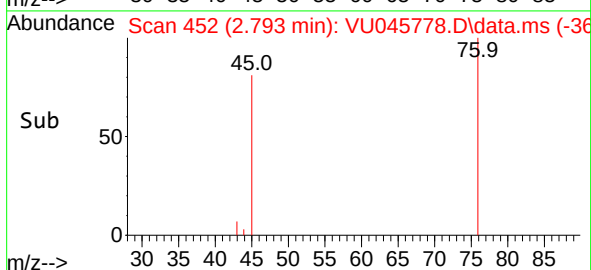
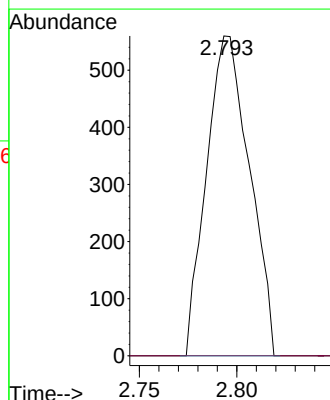
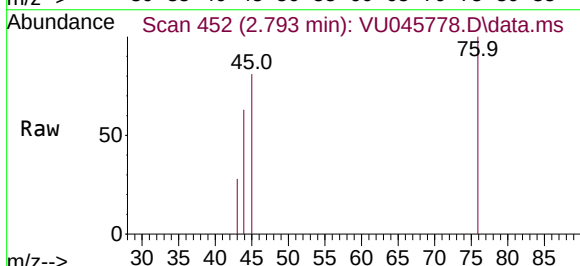
Acq: 12 Nov 2021 18:39

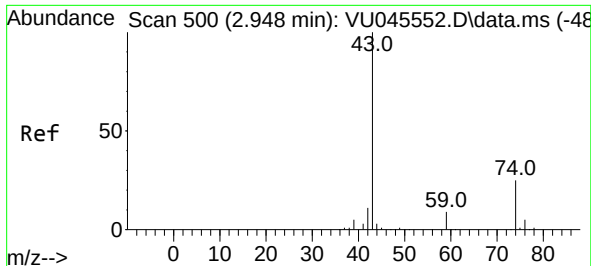
Tgt Ion: 76 Resp: 860

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

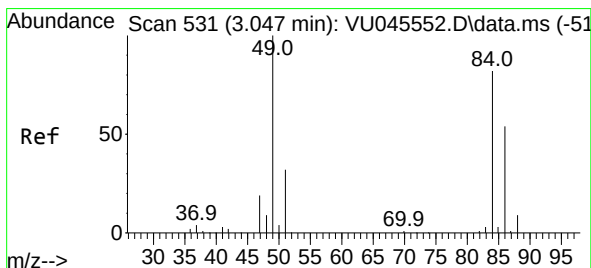
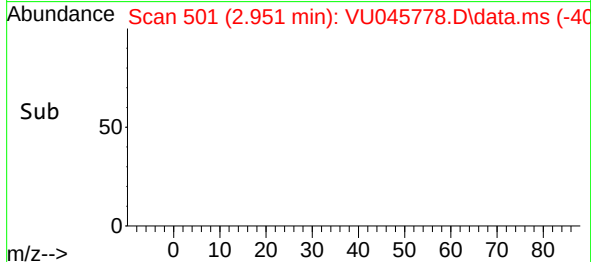
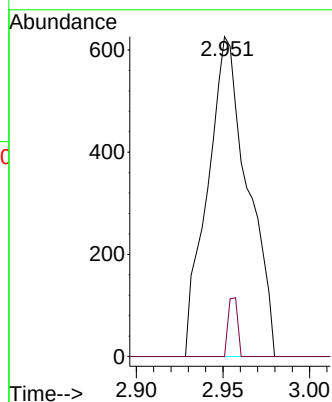
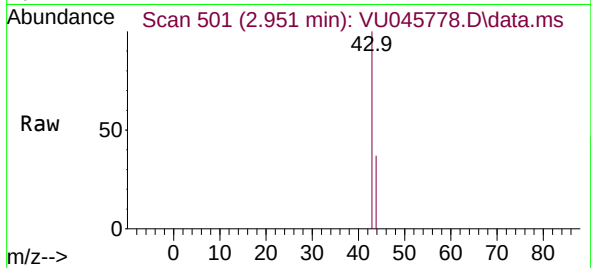




#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

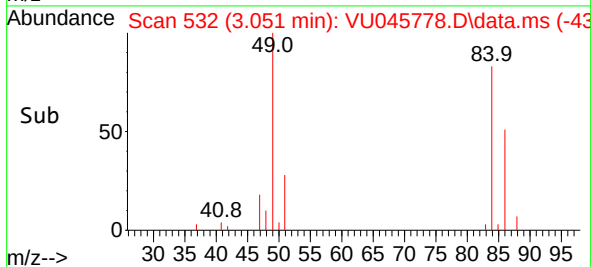
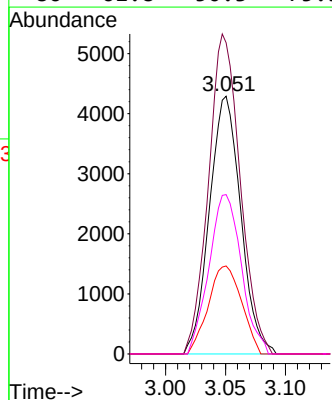
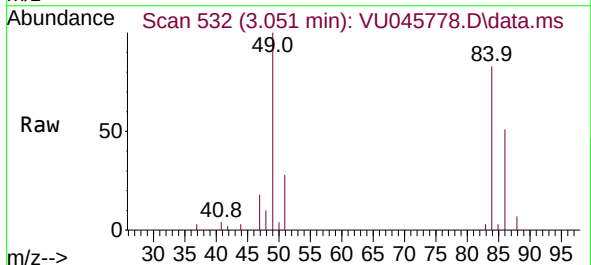
Instrument :
MSVOA_U
ClientSampleId :

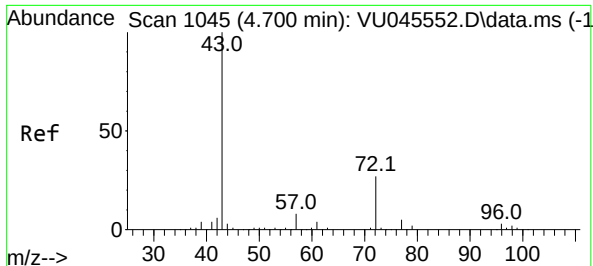
Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
74 4.4 20.2 30.2#



#20
Methylene Chloride
Concen: 4.818 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

Tgt Ion: 84 Resp: 7788
Ion Ratio Lower Upper
84 100
49 120.7 96.4 144.6
51 34.1 30.5 45.7
86 61.8 50.3 75.5





#25

2-Butanone

Concen: 2.292 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. 0.010 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

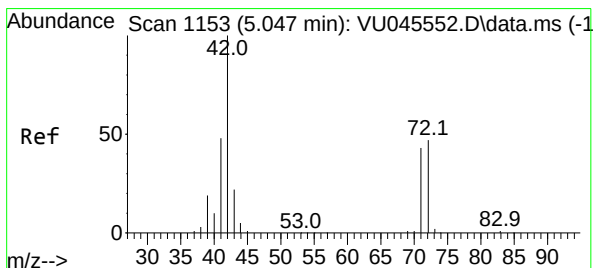
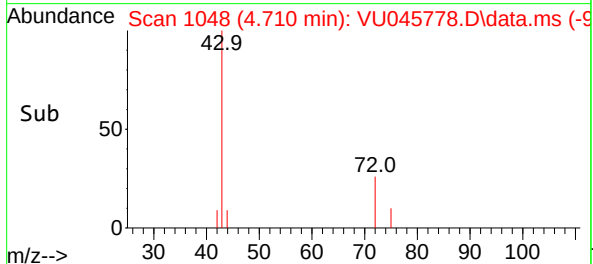
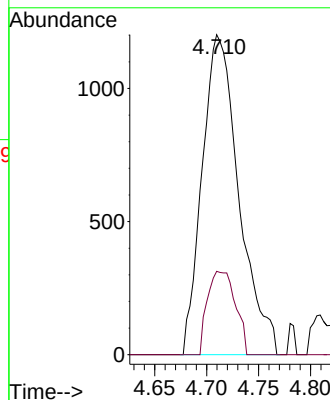
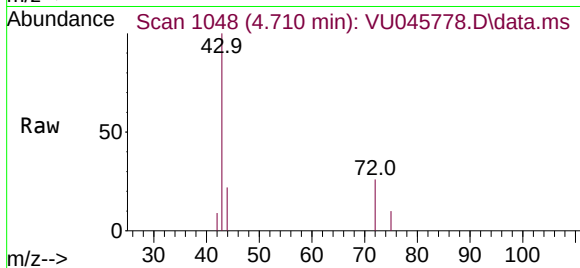
ClientSampleId :

Tgt Ion: 43 Resp: 2957

Ion Ratio Lower Upper

43 100

72 26.0 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.782 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.019 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

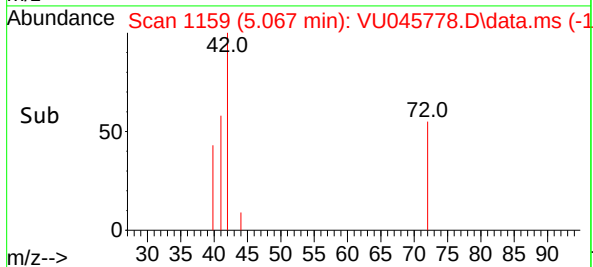
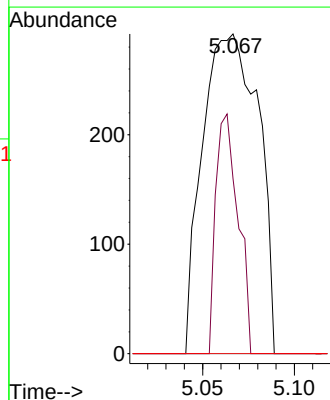
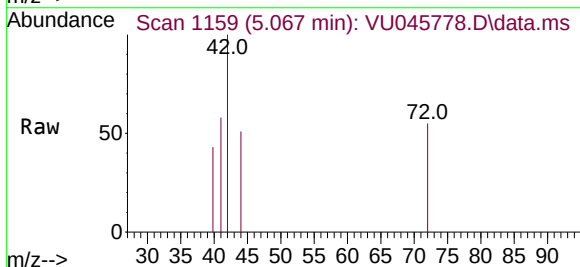
Tgt Ion: 42 Resp: 617

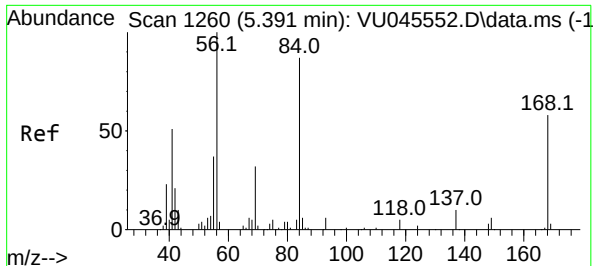
Ion Ratio Lower Upper

42 100

72 29.8 38.2 57.4#

71 0.0 35.4 53.2#

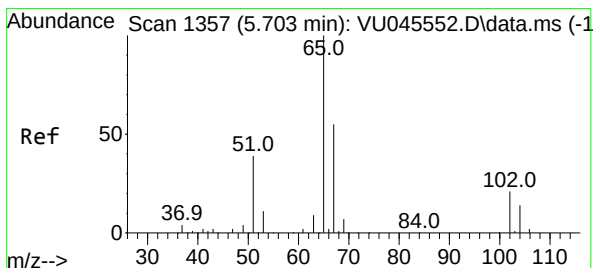
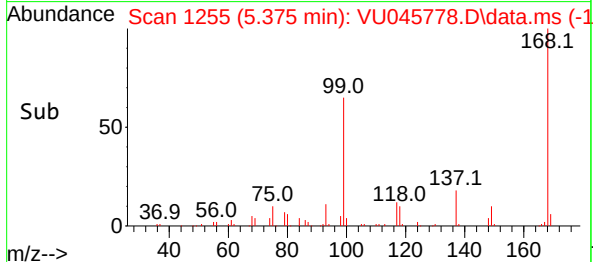
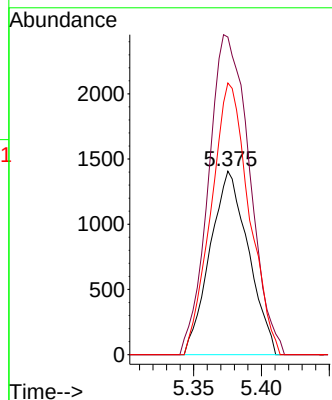
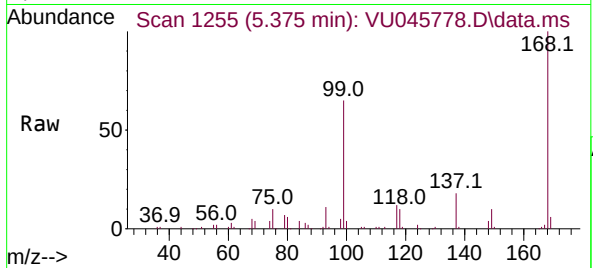




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

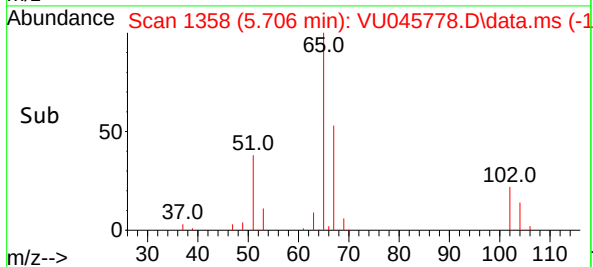
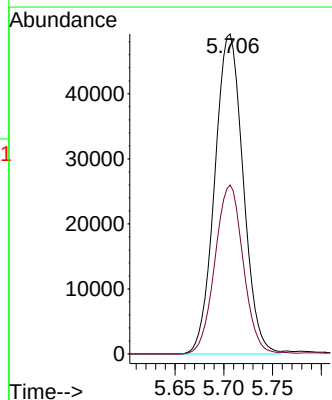
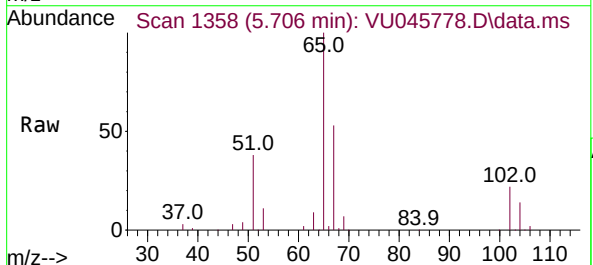
Instrument :
MSVOA_U
ClientSampleId :

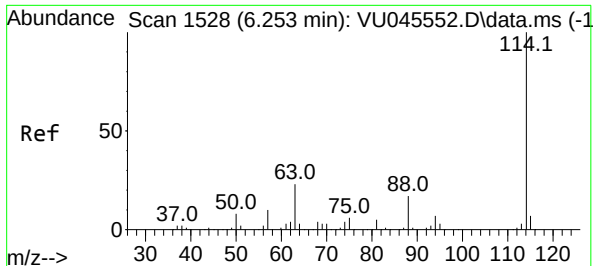
Tgt Ion: 56 Resp: 2768
Ion Ratio Lower Upper
56 100
69 173.1 26.4 39.6#
84 148.1 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 54.605 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.003 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

Tgt Ion: 65 Resp: 99785
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :

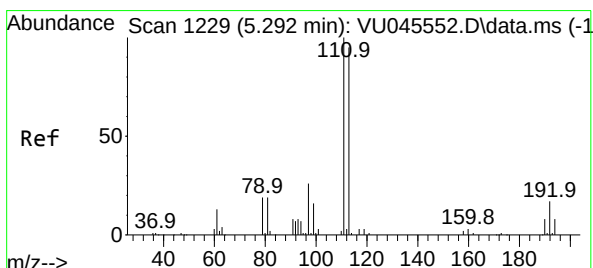
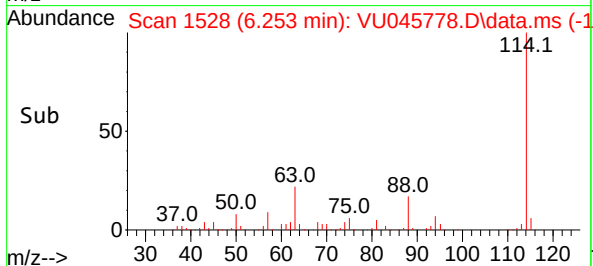
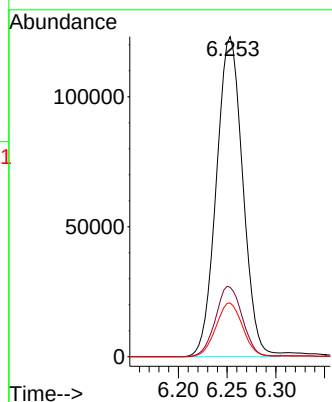
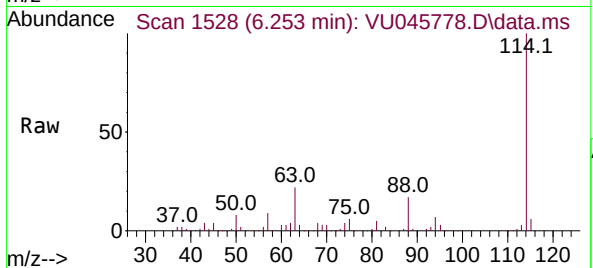
Tgt Ion:114 Resp: 231947

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

88 16.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.622 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

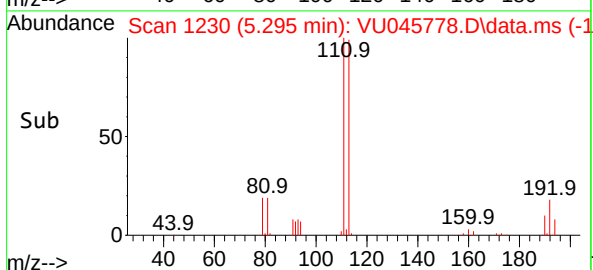
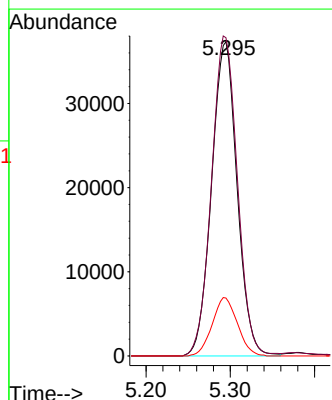
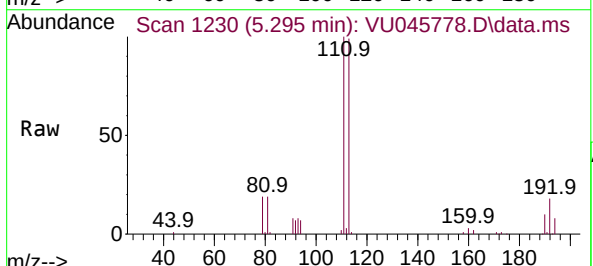
Tgt Ion:113 Resp: 78392

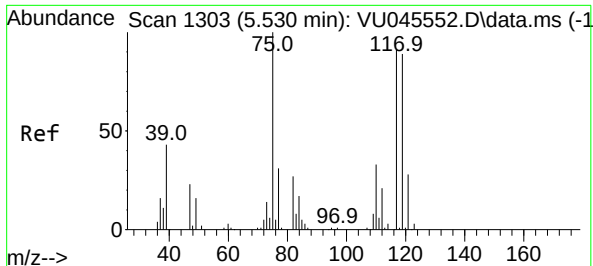
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.796 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :

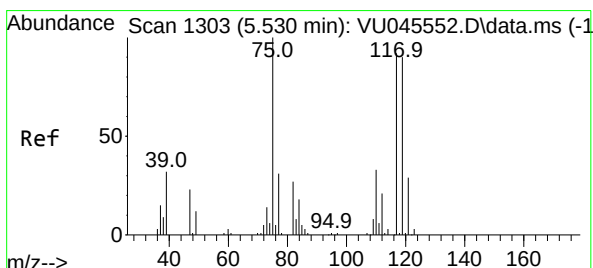
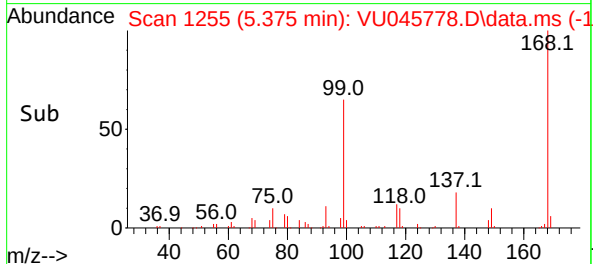
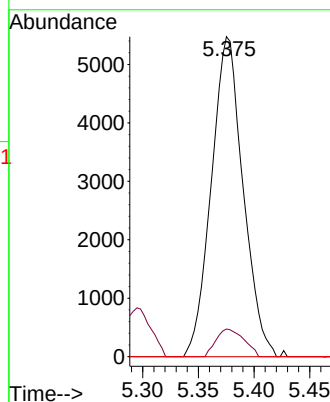
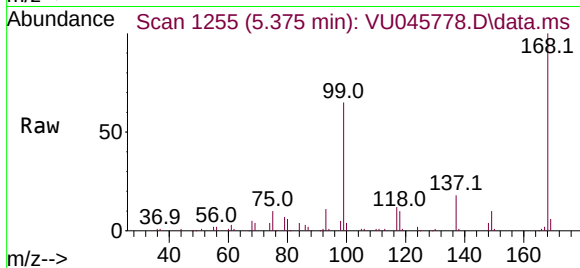
Tgt Ion: 75 Resp: 10847

Ion Ratio Lower Upper

75 100

110 7.6 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.897 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

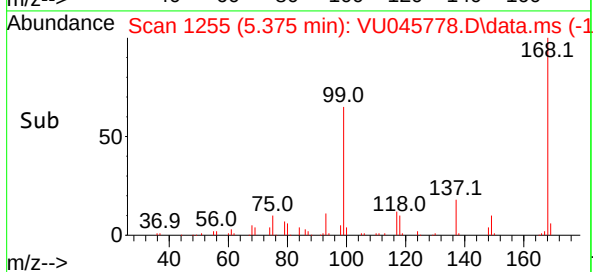
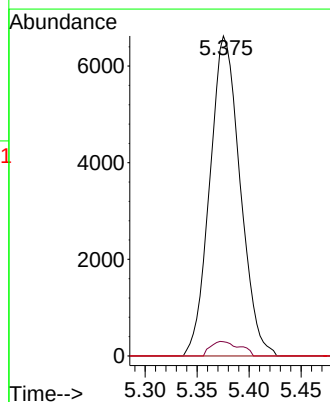
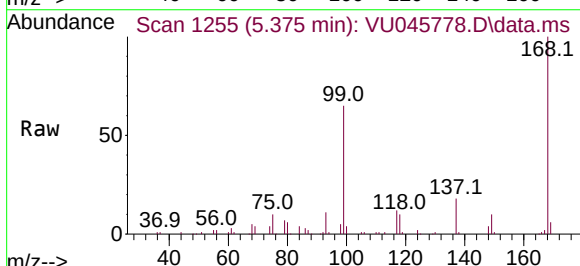
Tgt Ion: 117 Resp: 13447

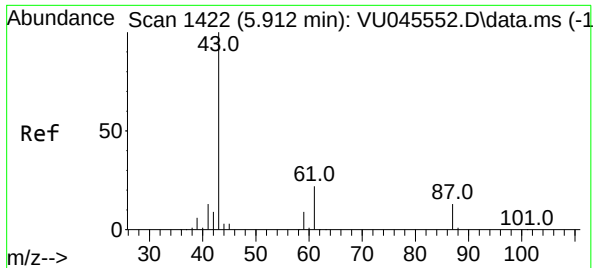
Ion Ratio Lower Upper

117 100

119 4.4 77.4 116.0#

121 0.0 24.8 37.2#

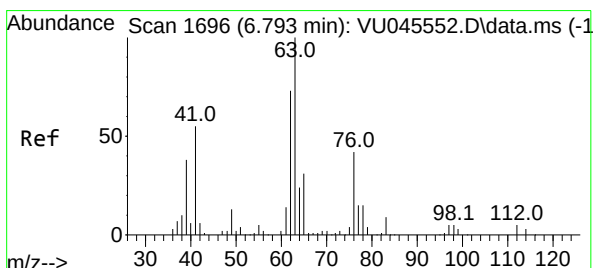
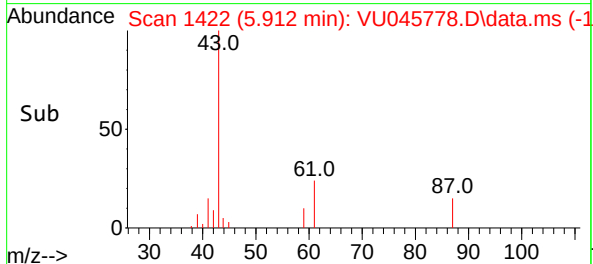
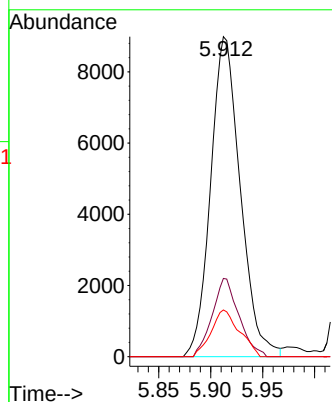
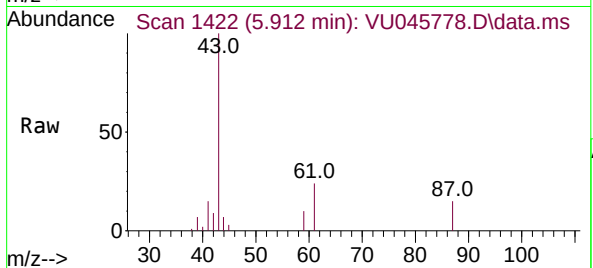




#43
Isopropyl Acetate
Concen: 4.488 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

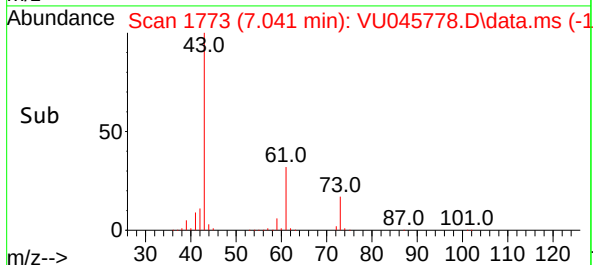
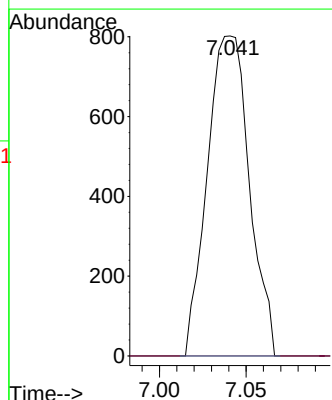
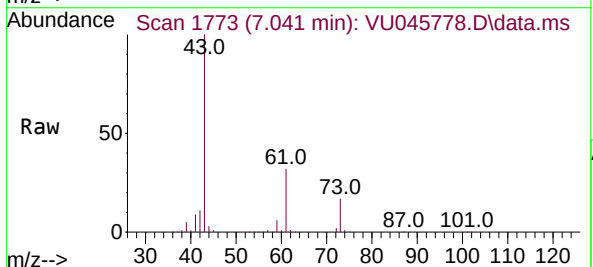
Instrument :
MSVOA_U
ClientSampleId :

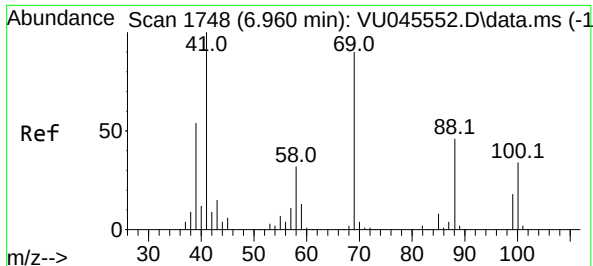
Tgt Ion:	43	Resp:	17835
Ion	Ratio	Lower	Upper
43	100		
61	21.9	16.9	25.3
87	13.9	11.0	16.4



#45
1,2-Dichloropropane
Concen: 0.766 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.247 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

Tgt Ion:	63	Resp:	1358
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5#





#48

Methyl methacrylate

Concen: 2.838 ug/l

RT: 6.893 min Scan# 1

Delta R.T. -0.068 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :

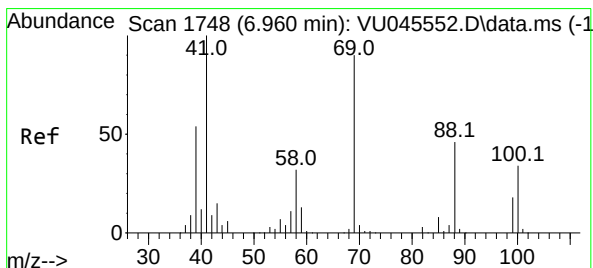
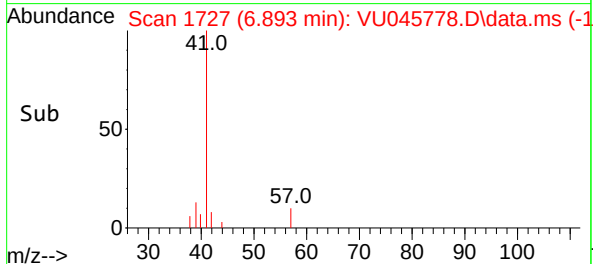
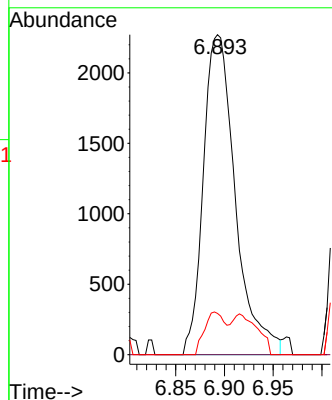
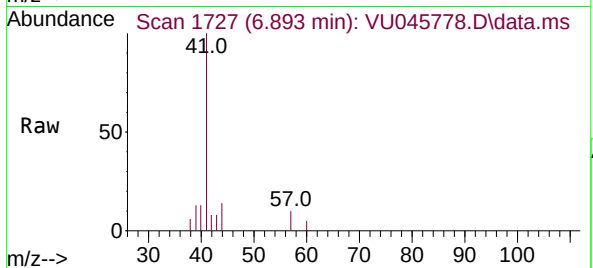
Tgt Ion: 41 Resp: 5191

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#49

1,4-Dioxane

Concen: 0.914 ug/l

RT: 7.037 min Scan# 1772

Delta R.T. 0.077 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

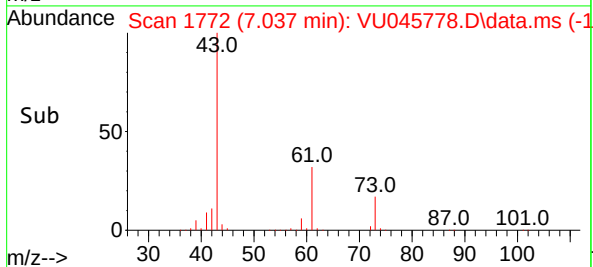
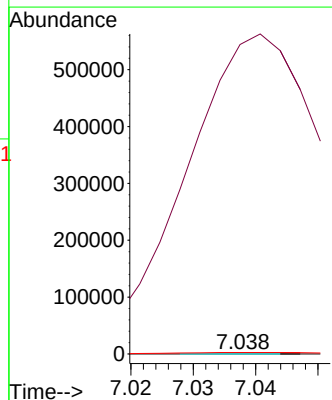
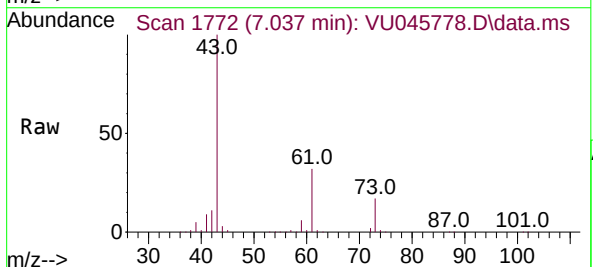
Tgt Ion: 88 Resp: 43

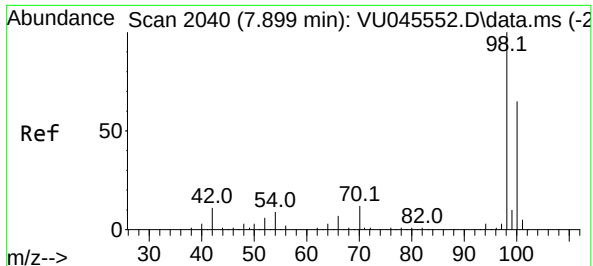
Ion Ratio Lower Upper

88 100

43 2245767.4 0.0 0.0#

58 10988.4 58.7 88.1#





#50

Toluene-d8

Concen: 53.290 ug/l

RT: 7.902 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

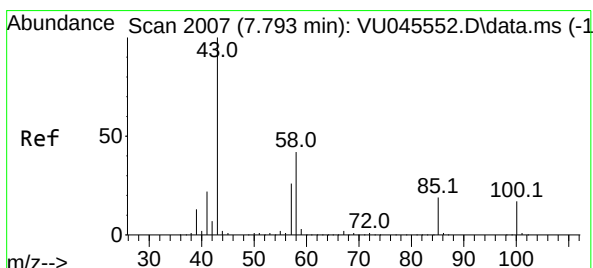
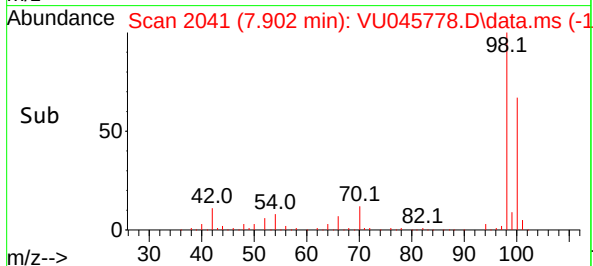
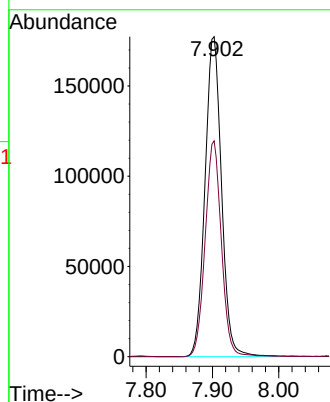
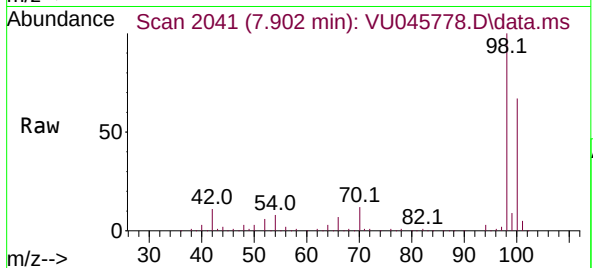
ClientSampleId :

Tgt Ion: 98 Resp: 306863

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 2.031 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045778.D

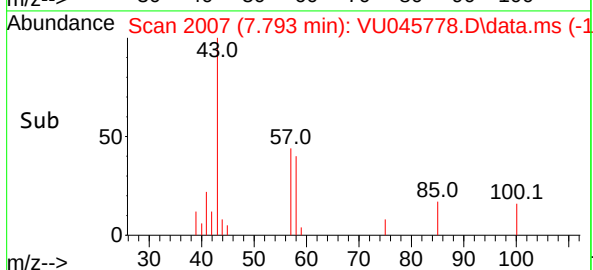
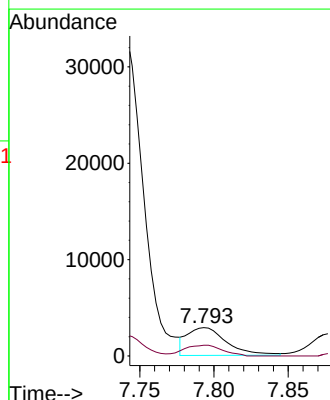
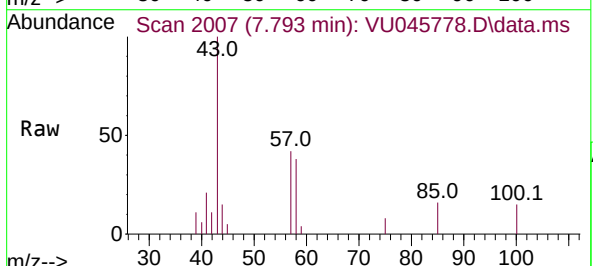
Acq: 12 Nov 2021 18:39

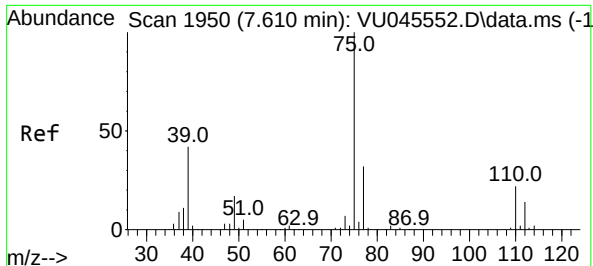
Tgt Ion: 43 Resp: 5325

Ion Ratio Lower Upper

43 100

58 38.3 33.8 50.8





#54

cis-1,3-Dichloropropene

Concen: 10.400 ug/l

RT: 7.742 min Scan# 1950

Delta R.T. 0.132 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :

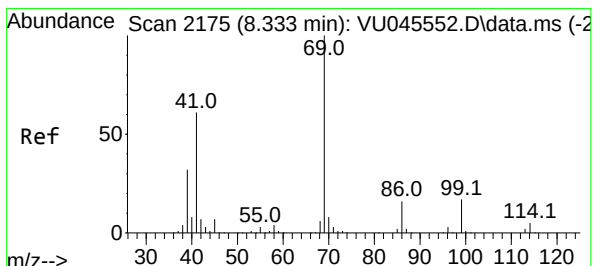
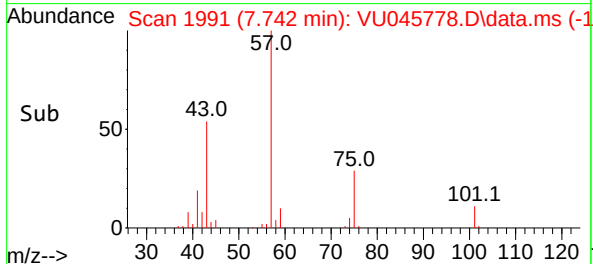
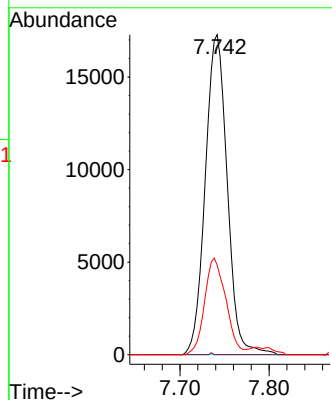
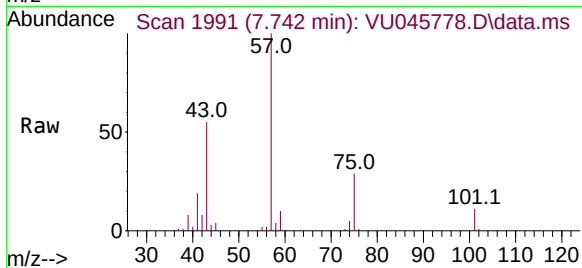
Tgt Ion: 75 Resp: 29572

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 28.0 37.1 55.7#



#56

Ethyl methacrylate

Concen: 2.481 ug/l

RT: 8.472 min Scan# 2218

Delta R.T. 0.139 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

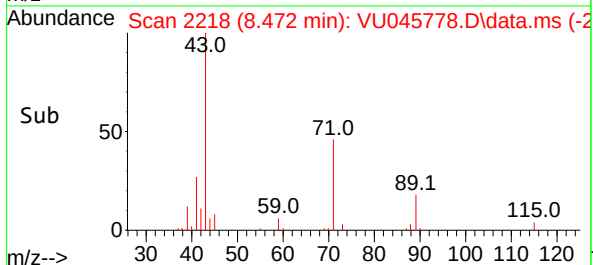
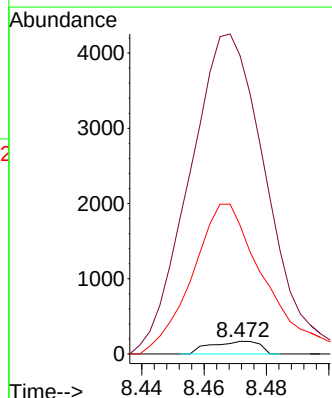
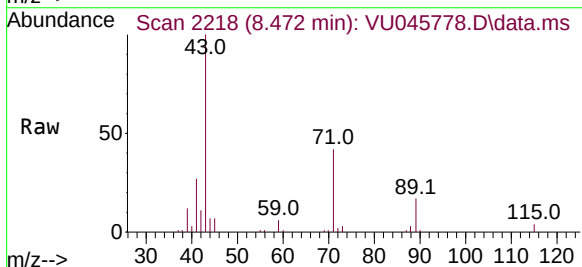
Tgt Ion: 69 Resp: 184

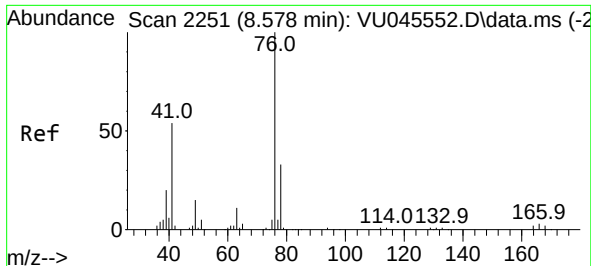
Ion Ratio Lower Upper

69 100

41 3990.8 51.0 76.4#

39 1771.7 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 6.133 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

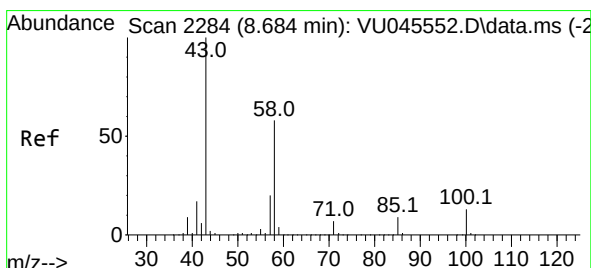
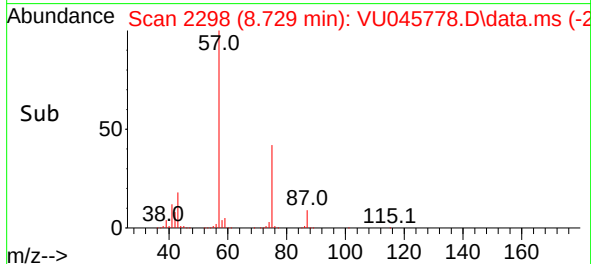
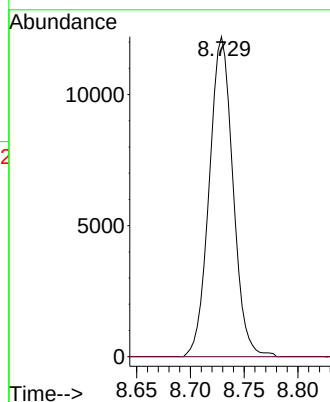
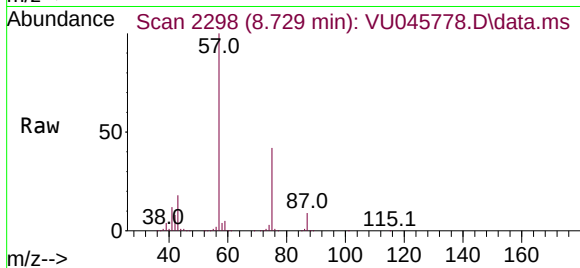
ClientSampleId :

Tgt Ion: 76 Resp: 18769

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 108.472 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045778.D

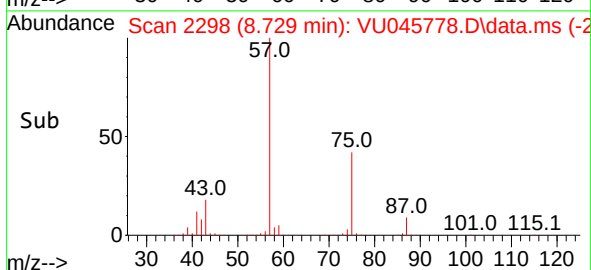
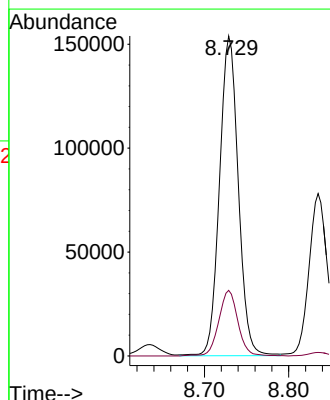
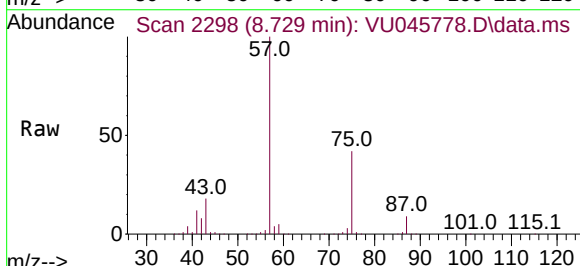
Acq: 12 Nov 2021 18:39

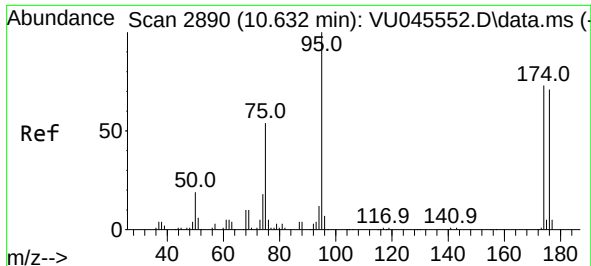
Tgt Ion: 43 Resp: 237379

Ion Ratio Lower Upper

43 100

58 20.9 29.5 88.6#

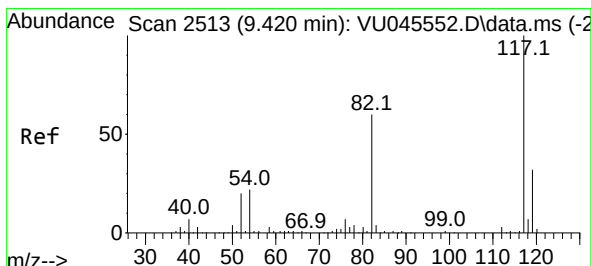
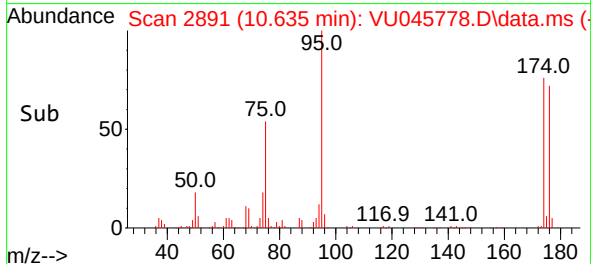
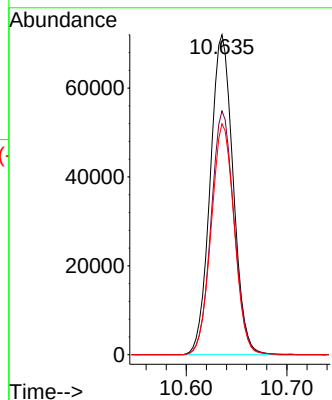
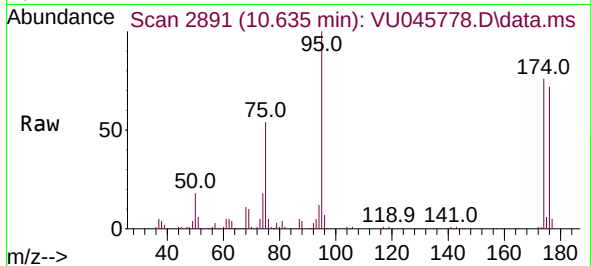




#62
4-Bromofluorobenzene
Concen: 49.311 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

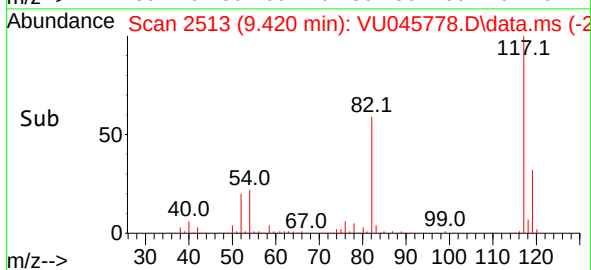
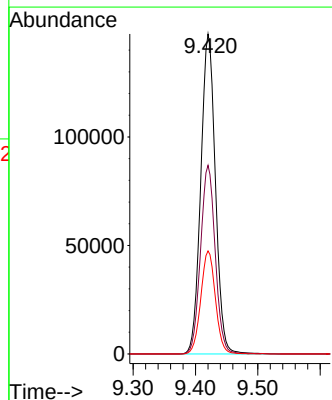
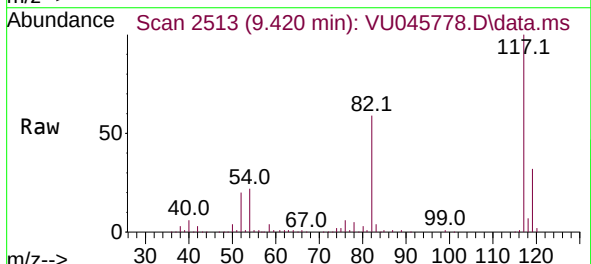
Instrument :
MSVOA_U
ClientSampleId :

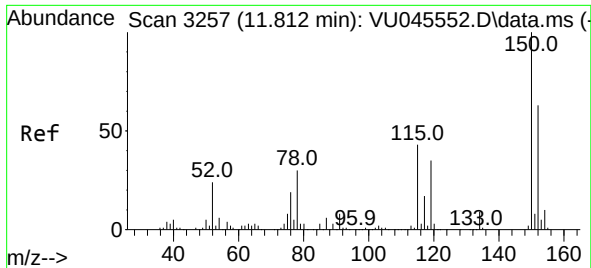
Tgt Ion: 95 Resp: 113863
Ion Ratio Lower Upper
95 100
174 76.5 0.0 141.8
176 72.7 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

Tgt Ion: 117 Resp: 240878
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.8
119 32.2 25.8 38.8

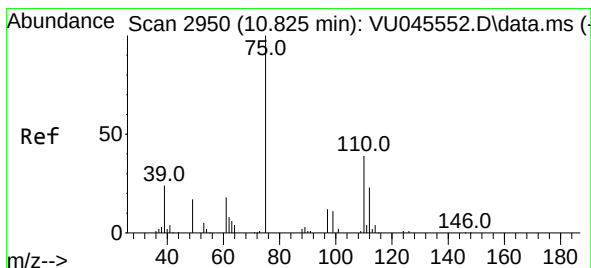
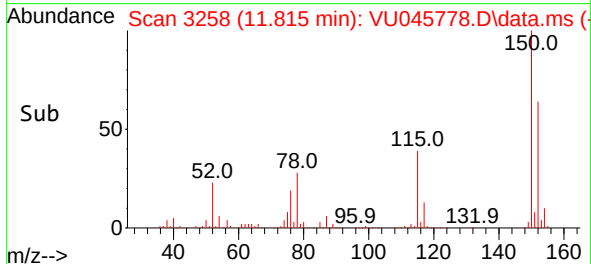
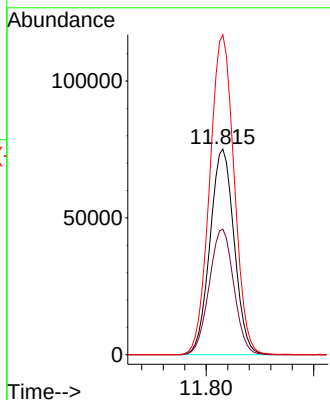
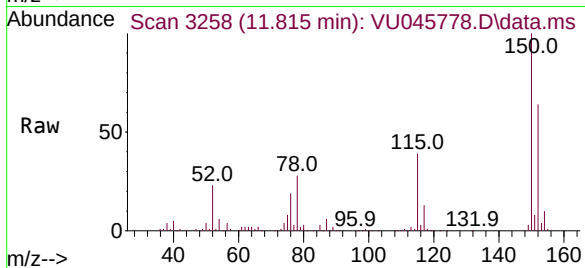




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045778.D
 Acq: 12 Nov 2021 18:39

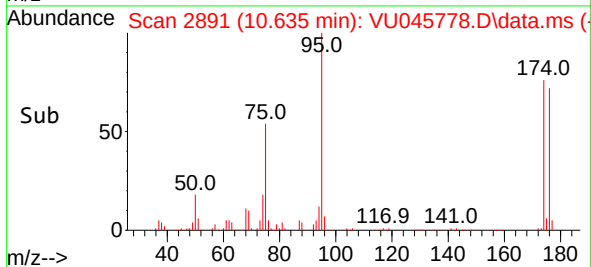
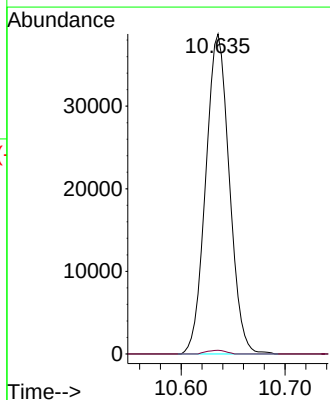
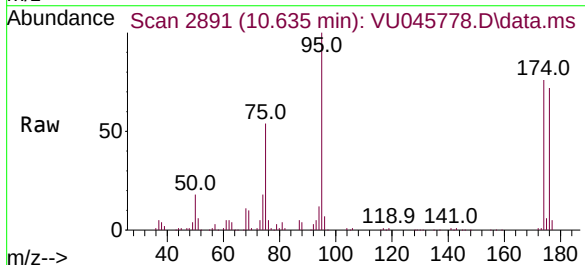
Instrument :
 MSVOA_U
 ClientSampleId :

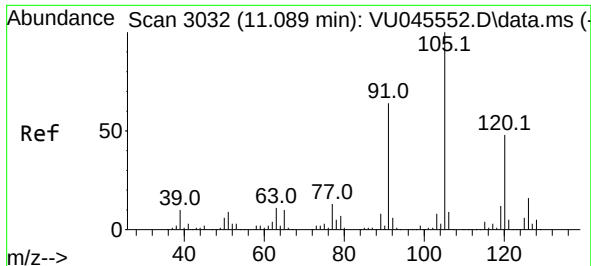
Tgt Ion:152 Resp: 117345
 Ion Ratio Lower Upper
 152 100
 115 62.1 42.7 128.1
 150 157.3 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.192 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045778.D
 Acq: 12 Nov 2021 18:39

Tgt Ion: 75 Resp: 61178
 Ion Ratio Lower Upper
 75 100
 77 0.9 17.1 51.3#

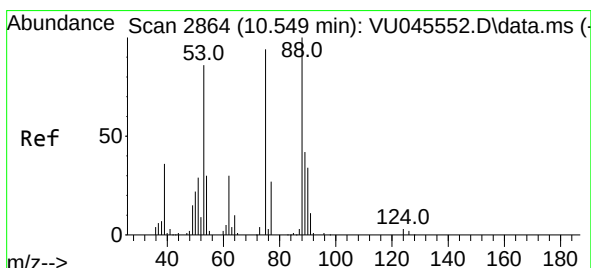
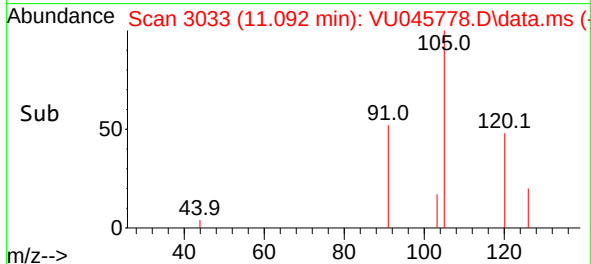
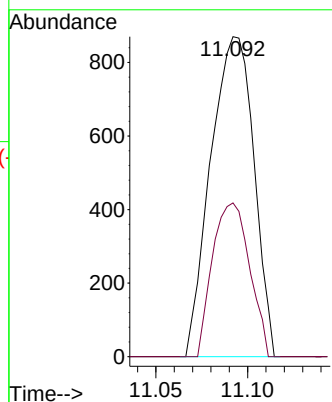
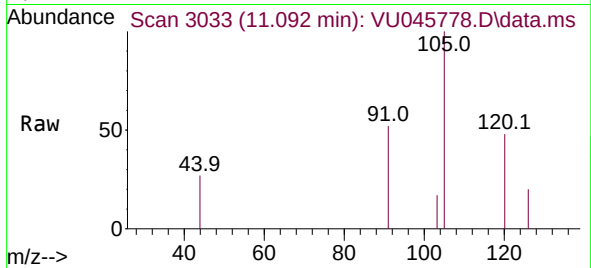




#80
1,3,5-Trimethylbenzene
Concen: 0.213 ug/l
RT: 11.092 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

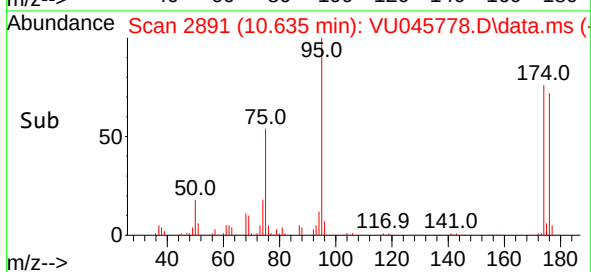
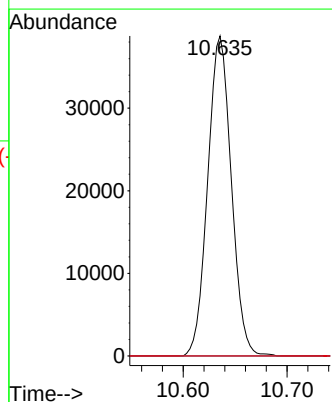
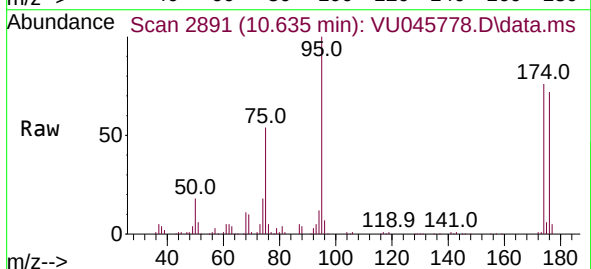
Instrument :
MSVOA_U
ClientSampleId :

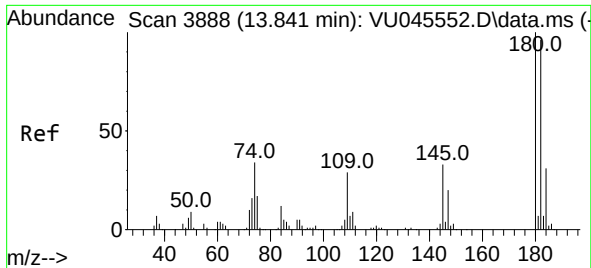
Tgt Ion:105 Resp: 1427
Ion Ratio Lower Upper
105 100
120 41.1 23.9 71.8



#81
trans-1,4-Dichloro-2-butene
Concen: 55.941 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045778.D
Acq: 12 Nov 2021 18:39

Tgt Ion: 75 Resp: 61178
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

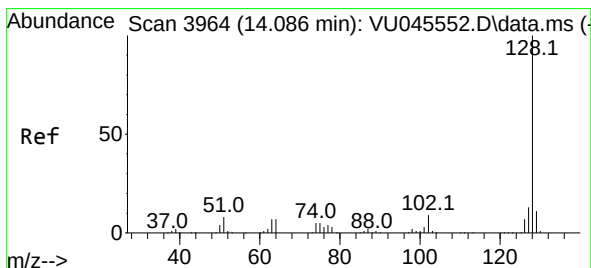
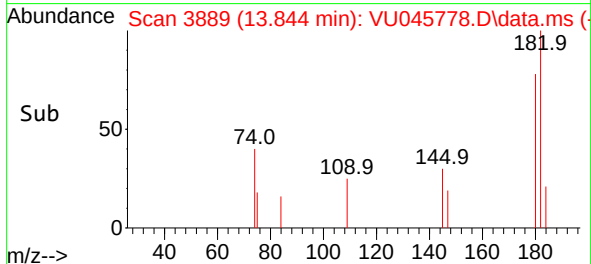
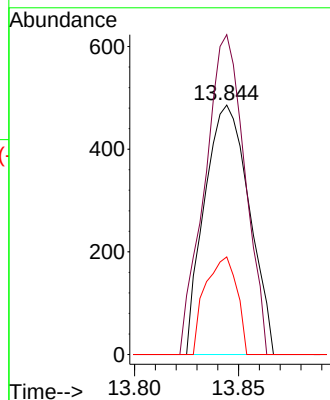
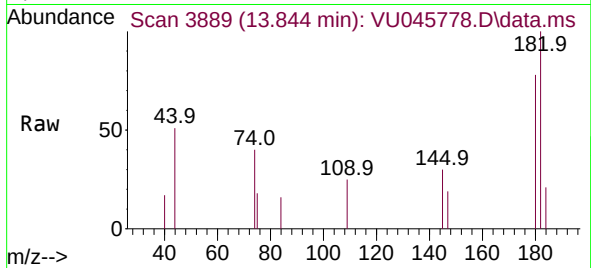




#93
 1,2,4-Trichlorobenzene
 Concen: 0.287 ug/l
 RT: 13.844 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU045778.D
 Acq: 12 Nov 2021 18:39

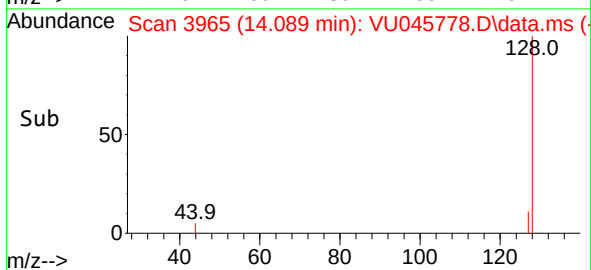
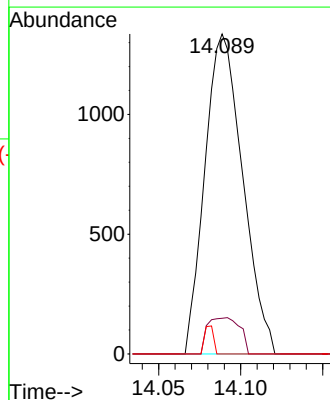
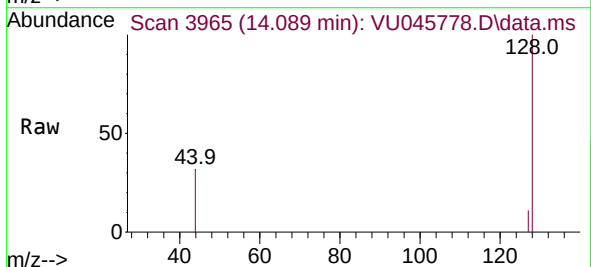
Instrument :
 MSVOA_U
 ClientSampleId :

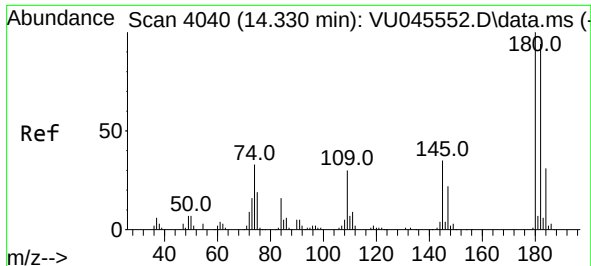
Tgt Ion:180 Resp: 726
 Ion Ratio Lower Upper
 180 100
 182 114.6 47.0 141.2
 145 27.5 15.6 46.7



#95
 Naphthalene
 Concen: 1.249 ug/l
 RT: 14.089 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VU045778.D
 Acq: 12 Nov 2021 18:39

Tgt Ion:128 Resp: 2137
 Ion Ratio Lower Upper
 128 100
 127 9.7 10.6 15.8#
 129 2.1 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.226 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

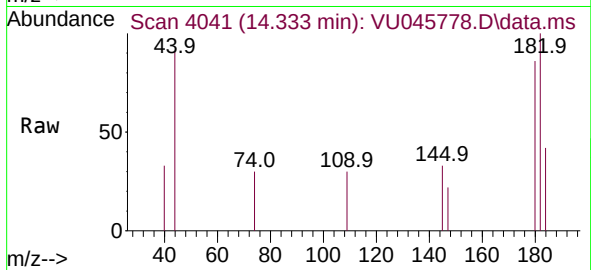
Lab File: VU045778.D

Acq: 12 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 566

Ion Ratio Lower Upper

180 100

182 100.4 47.7 143.1

145 18.4 16.7 50.0

