

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045779.D
 Acq On : 12 Nov 2021 19:03
 Operator : SY/MD
 Sample : PB140714ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 05:23:49 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

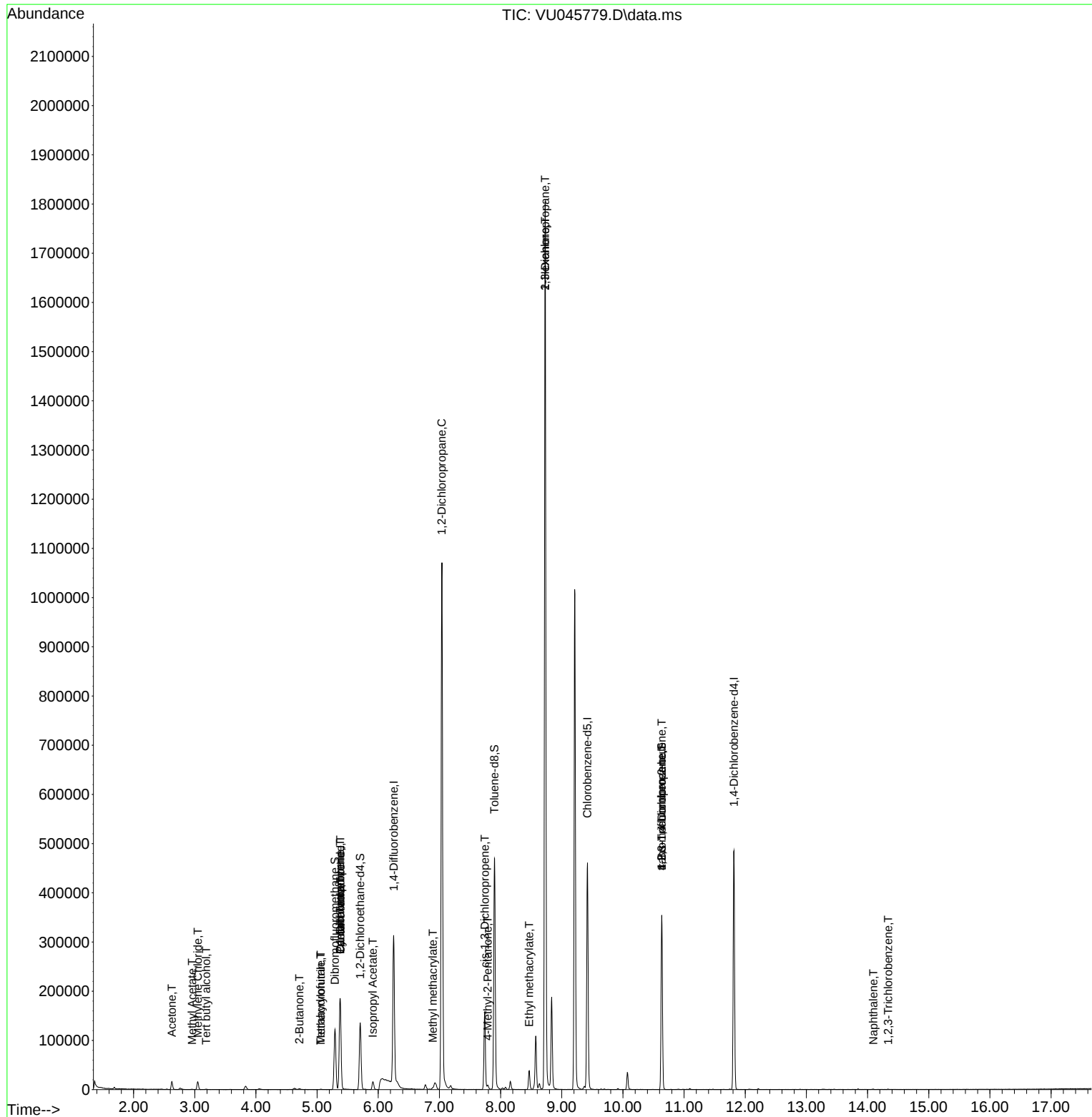
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	125125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	236814	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	247240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	121097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	99996	53.363	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.720%	
35) Dibromofluoromethane	5.292	113	78831	49.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.720%	
50) Toluene-d8	7.899	98	311966	53.062	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.120%	
62) 4-Bromofluorobenzene	10.636	95	117437	49.813	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.620%	
Target Compounds						Qvalue
11) Tert butyl alcohol	3.186	59	767	2.068	ug/l #	72
16) Acetone	2.626	43	18530	19.425	ug/l	100
18) Methyl Acetate	2.954	43	1069	0.329	ug/l #	74
20) Methylene Chloride	3.051	84	7711	4.652	ug/l	96
25) 2-Butanone	4.710	43	2874	2.172	ug/l #	72
29) Tetrahydrofuran	5.057	42	475	0.587	ug/l #	73
31) Cyclohexane	5.379	56	3047	1.114	ug/l #	4
36) 1,1-Dichloropropene	5.375	75	10977	4.754	ug/l #	49
38) Carbon Tetrachloride	5.379	117	13176	5.660	ug/l #	16
41) Methacrylonitrile	5.060	41	289	0.206	ug/l #	22
43) Isopropyl Acetate	5.912	43	17472	4.306	ug/l	99
45) 1,2-Dichloropropane	7.038	63	1321	0.730	ug/l #	43
48) Methyl methacrylate	6.893	41	5370	2.876	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	5355	2.001	ug/l	89
54) cis-1,3-Dichloropropene	7.742	75	28375	9.774	ug/l #	61
56) Ethyl methacrylate	8.465	69	210	2.488	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	18333	5.868	ug/l #	42
59) 2-Hexanone	8.729	43	234532	105.211	ug/l #	48
76) 1,2,3-Trichloropropane	10.636	75	62450	17.005	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	62450	55.367	ug/l #	12
95) Naphthalene	14.095	128	1313	1.160	ug/l #	73
96) 1,2,3-Trichlorobenzene	14.336	180	536	0.207	ug/l #	57

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

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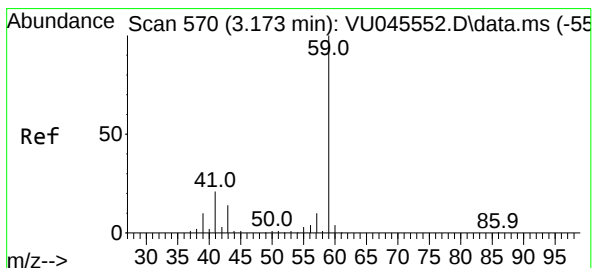
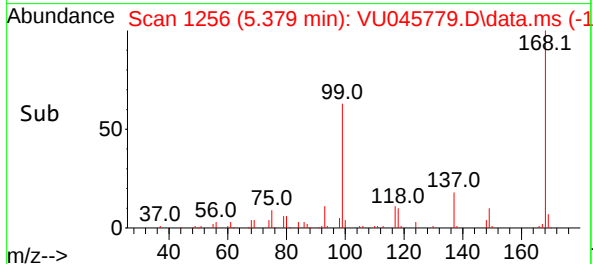
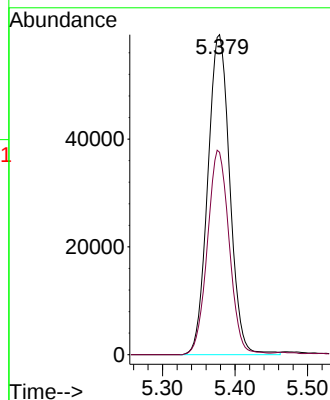
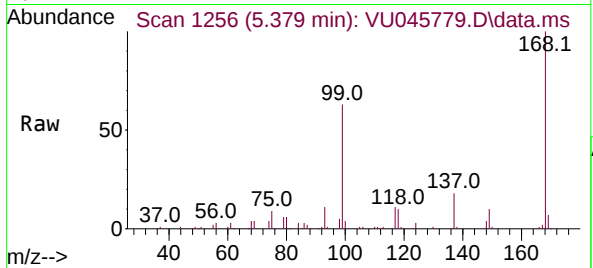




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

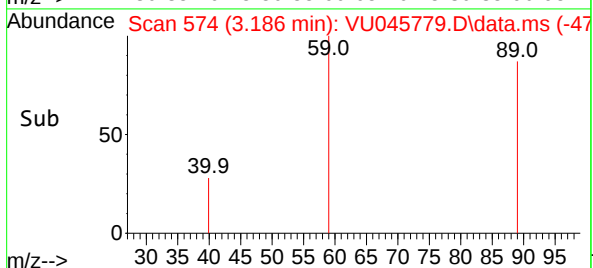
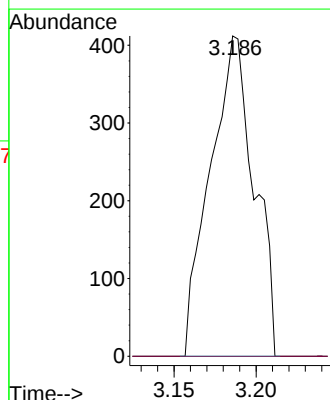
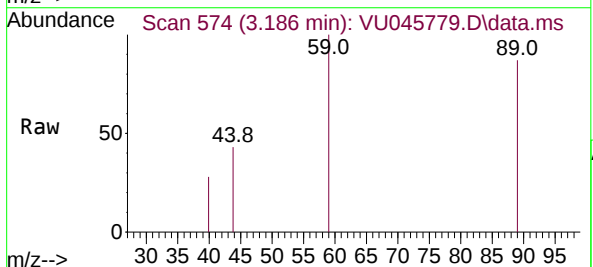
Instrument :
MSVOA_U
ClientSampleId :

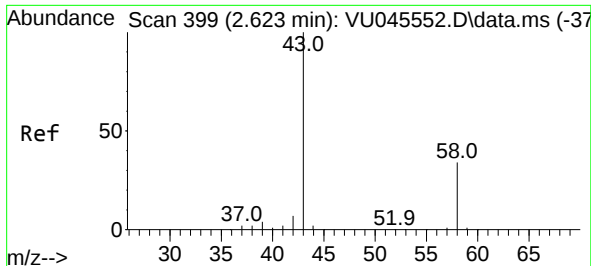
Tgt Ion:168 Resp: 125125
Ion Ratio Lower Upper
168 100
99 63.3 51.0 76.6



#11
Tert butyl alcohol
Concen: 2.068 ug/l
RT: 3.186 min Scan# 574
Delta R.T. 0.013 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Tgt Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 19.425 ug/l

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

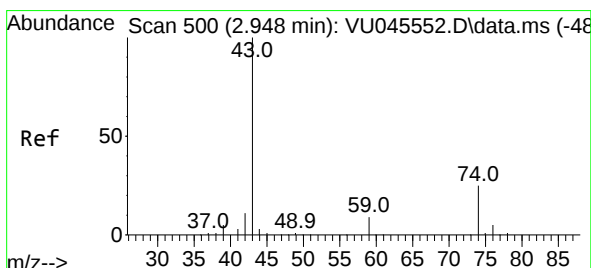
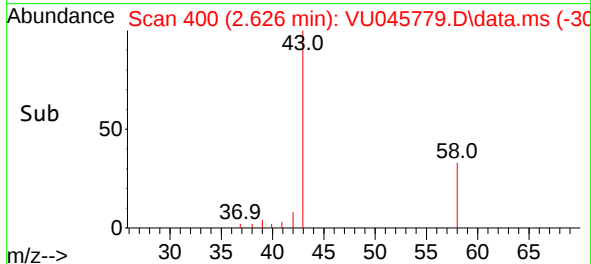
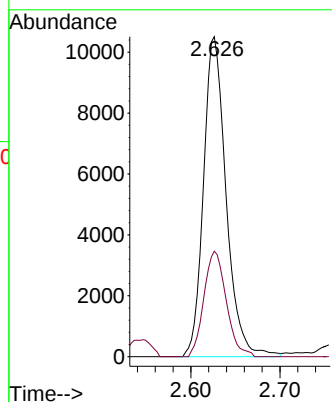
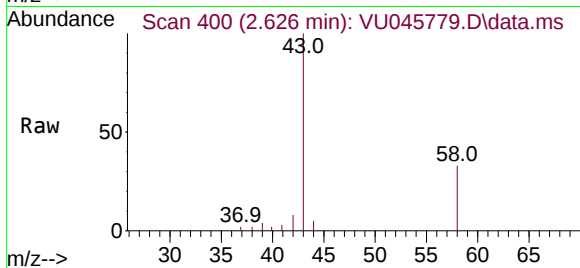
ClientSampleId :

Tgt Ion: 43 Resp: 18530

Ion Ratio Lower Upper

43 100

58 32.9 26.2 39.2



#18

Methyl Acetate

Concen: 0.329 ug/l

RT: 2.954 min Scan# 502

Delta R.T. 0.006 min

Lab File: VU045779.D

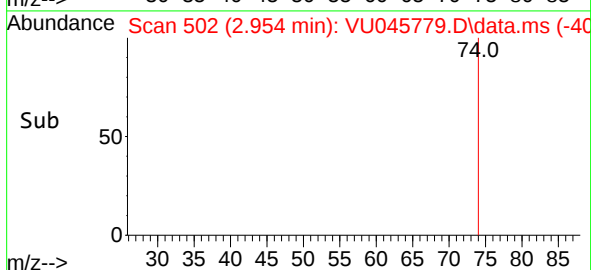
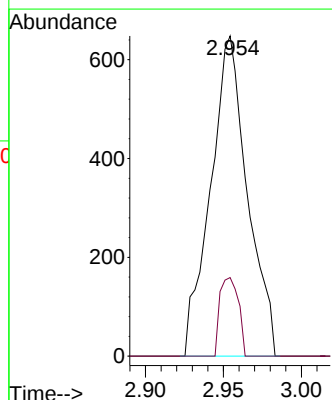
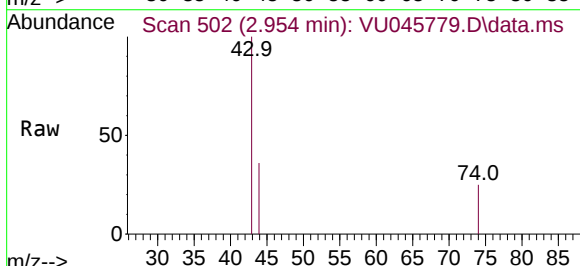
Acq: 12 Nov 2021 19:03

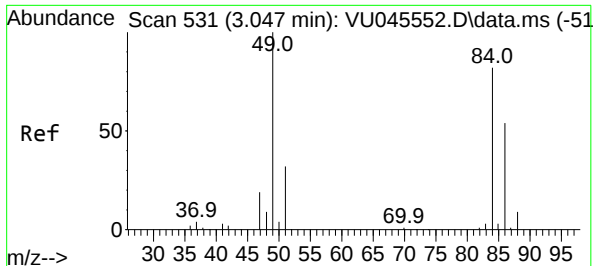
Tgt Ion: 43 Resp: 1069

Ion Ratio Lower Upper

43 100

74 12.3 20.2 30.2#





#20

Methylene Chloride

Concen: 4.652 ug/l

RT: 3.051 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 84 Resp: 7711

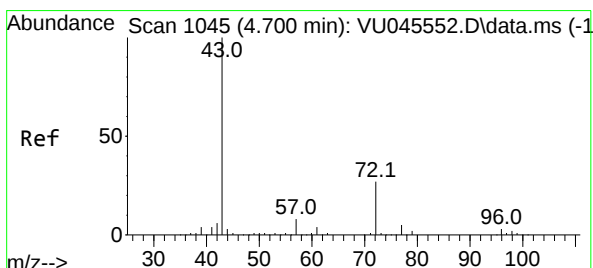
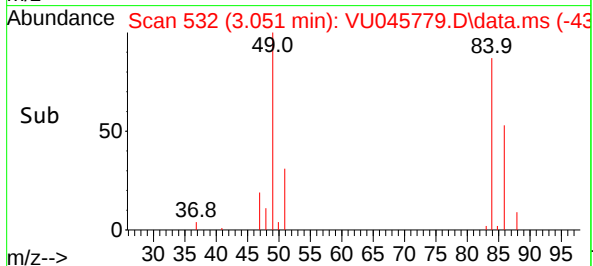
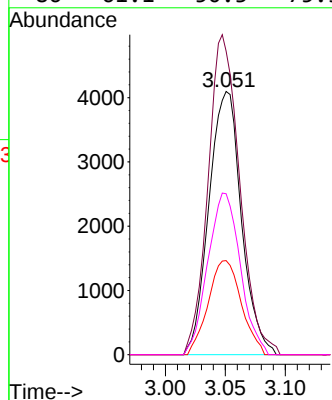
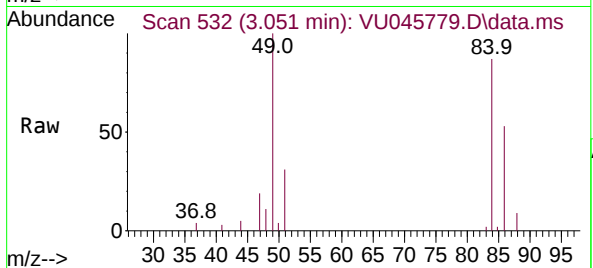
Ion Ratio Lower Upper

84 100

49 115.3 96.4 144.6

51 35.8 30.5 45.7

86 61.1 50.3 75.5



#25

2-Butanone

Concen: 2.172 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. 0.010 min

Lab File: VU045779.D

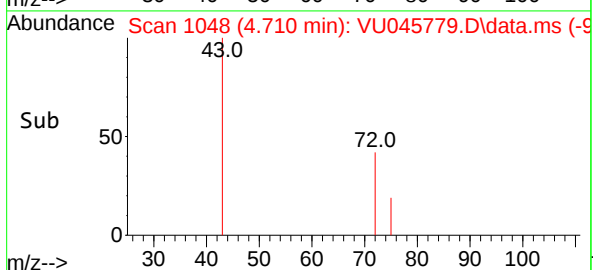
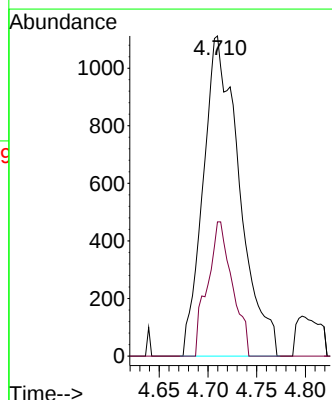
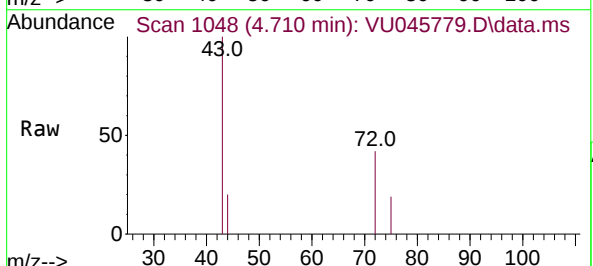
Acq: 12 Nov 2021 19:03

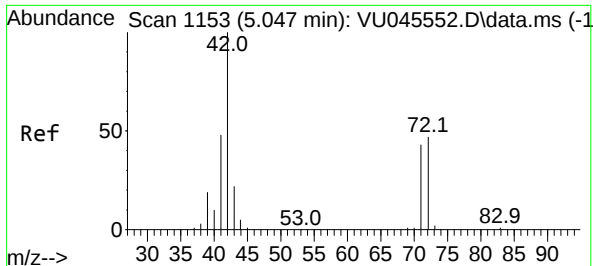
Tgt Ion: 43 Resp: 2874

Ion Ratio Lower Upper

43 100

72 41.9 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.587 ug/l

RT: 5.057 min Scan# 1153

Delta R.T. 0.010 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

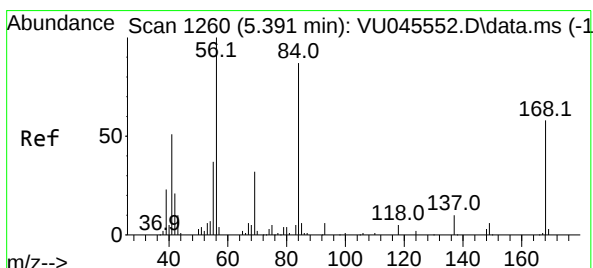
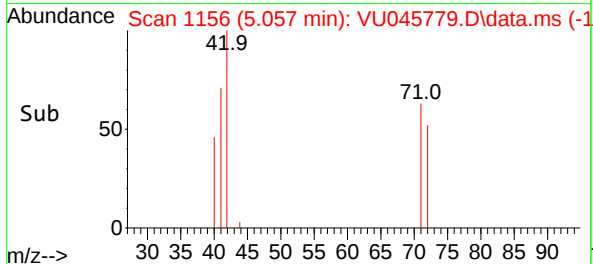
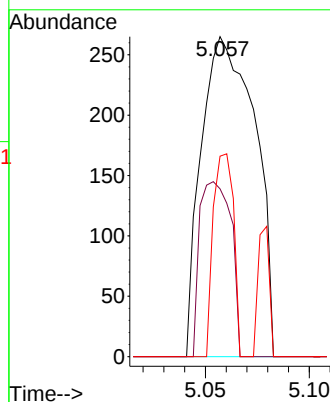
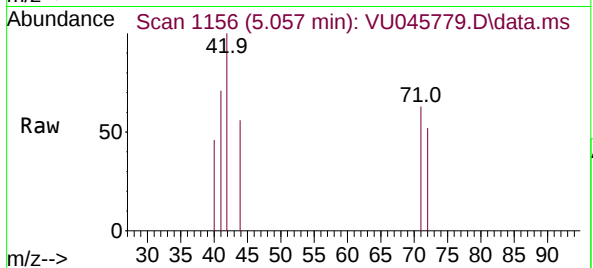
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 32.0 38.2 57.4#

71 24.0 35.4 53.2#



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

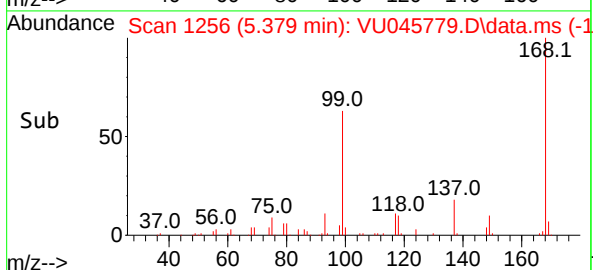
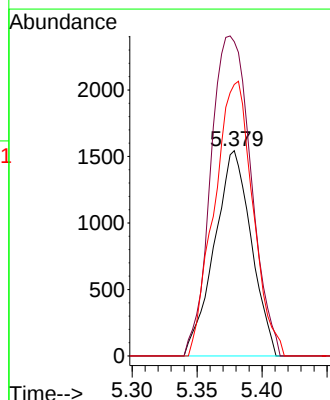
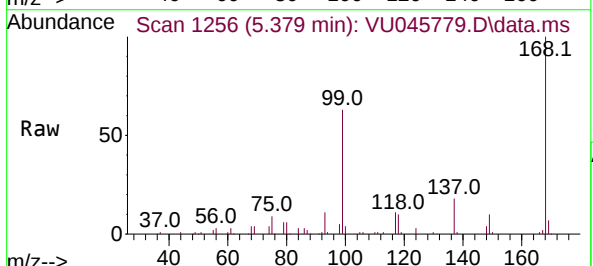
Tgt Ion: 56 Resp: 3047

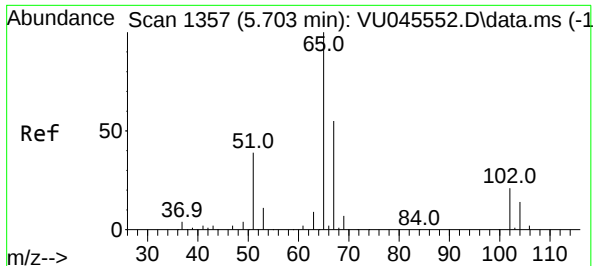
Ion Ratio Lower Upper

56 100

69 153.1 26.4 39.6#

84 132.3 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 53.363 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

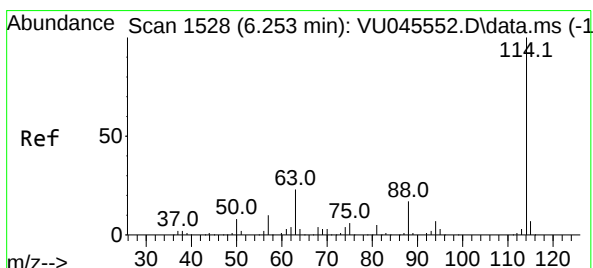
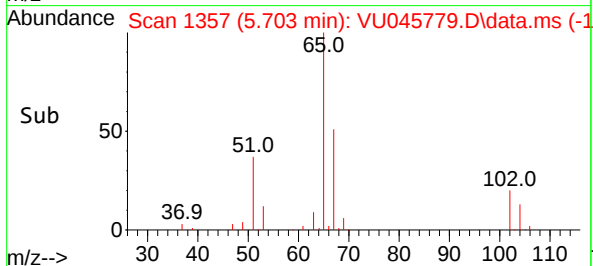
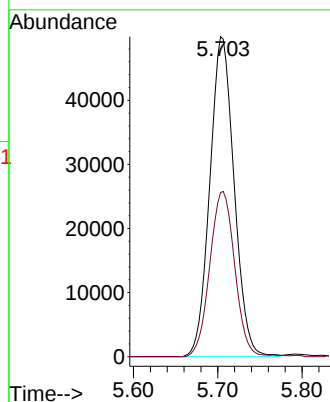
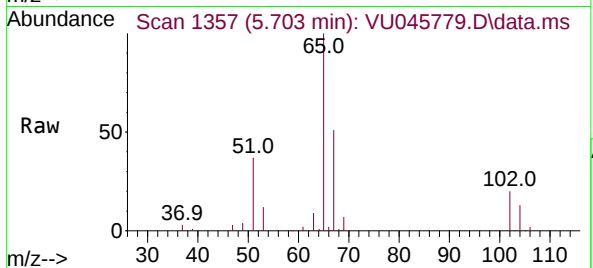
ClientSampleId :

Tgt Ion: 65 Resp: 99996

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

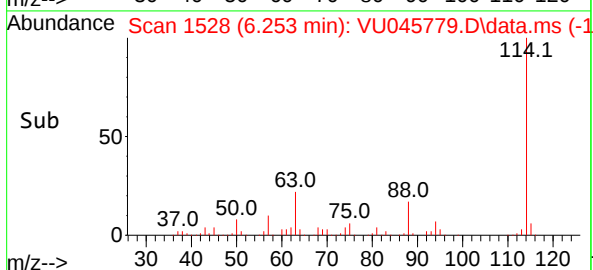
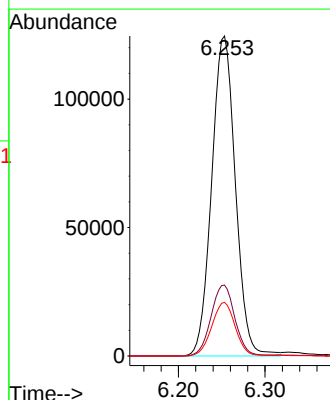
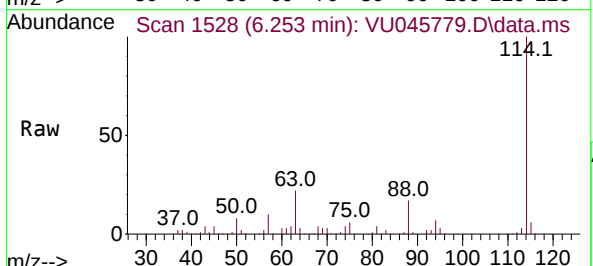
Tgt Ion: 114 Resp: 236814

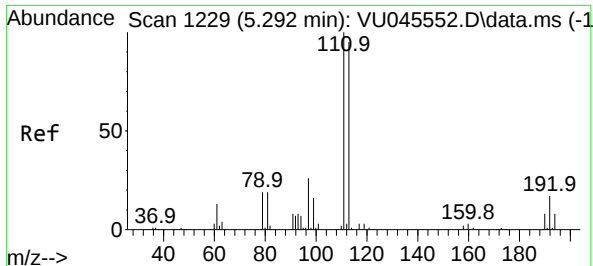
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.859 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

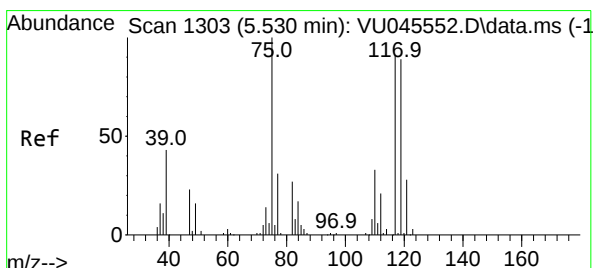
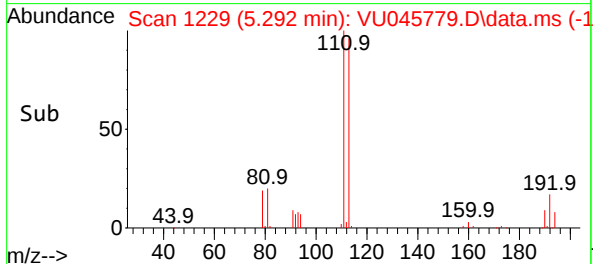
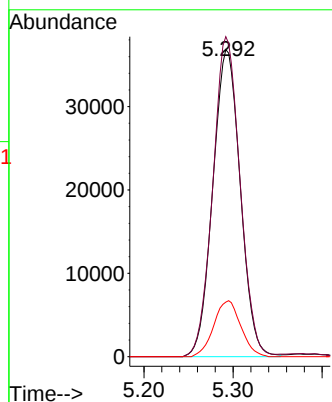
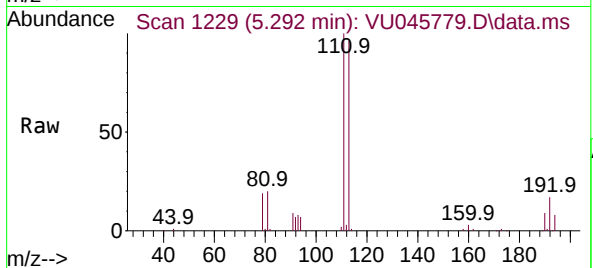
Tgt Ion:113 Resp: 78831

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

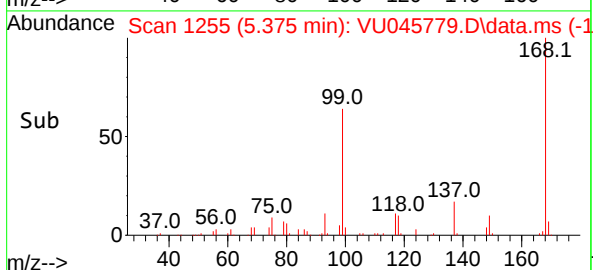
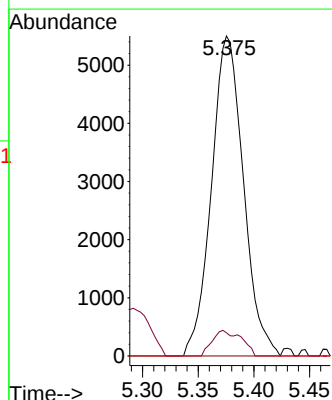
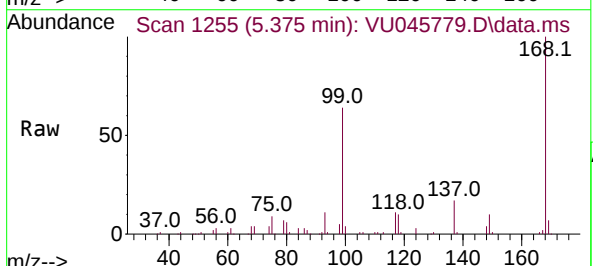
Tgt Ion: 75 Resp: 10977

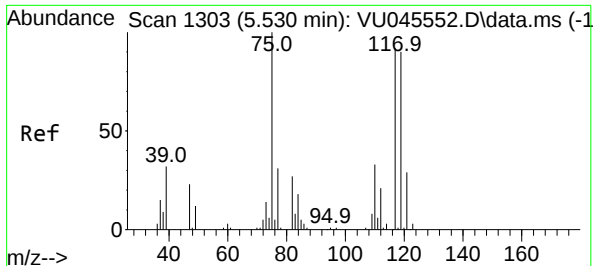
Ion Ratio Lower Upper

75 100

110 7.2 16.7 50.0#

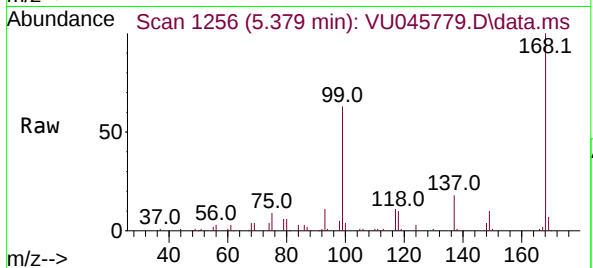
77 0.0 25.0 37.4#



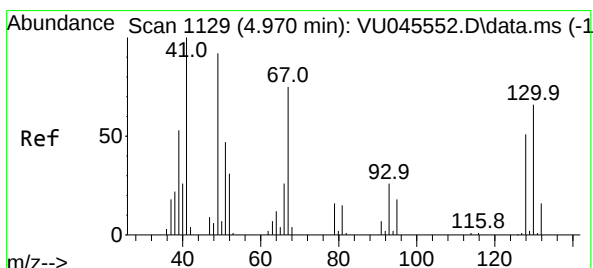
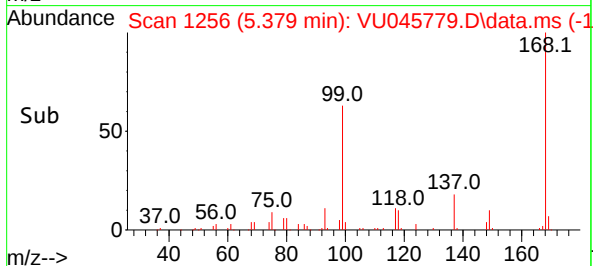
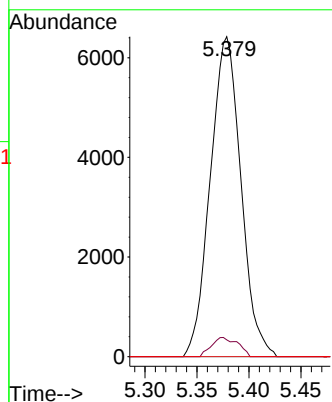


#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 5.379 min Scan# 1157
Delta R.T. -0.151 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Instrument :
MSVOA_U
ClientSampleId :

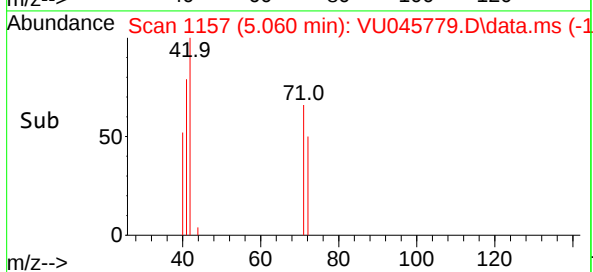
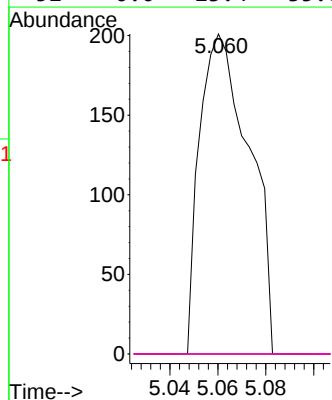
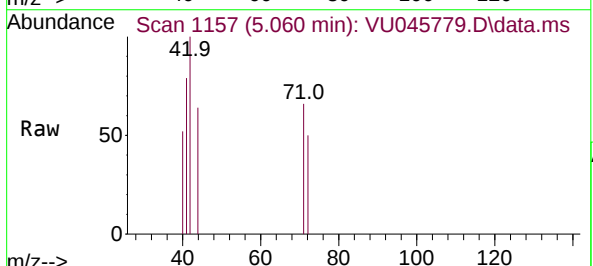


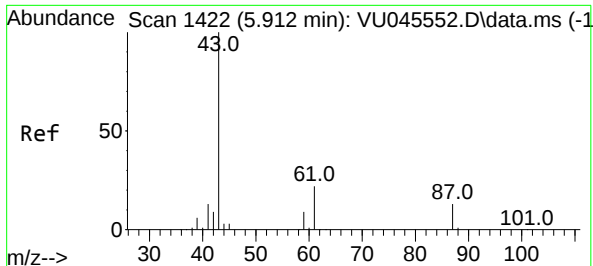
Tgt Ion:117 Resp: 13176
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.0#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.206 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.090 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Tgt Ion: 41 Resp: 289
Ion Ratio Lower Upper
41 100
39 0.0 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 4.306 ug/l

RT: 5.912 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

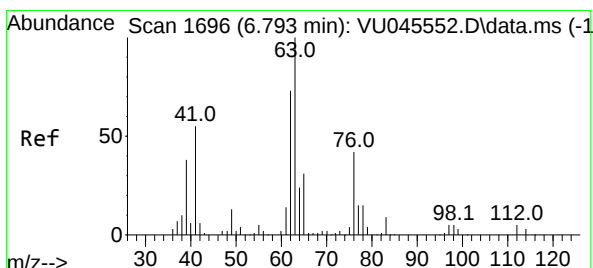
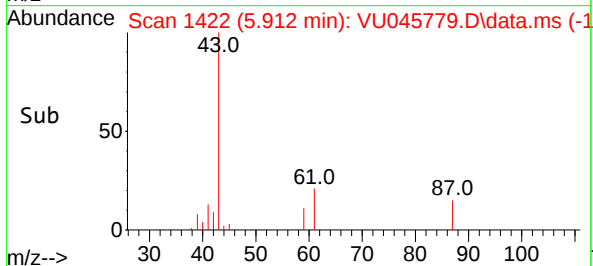
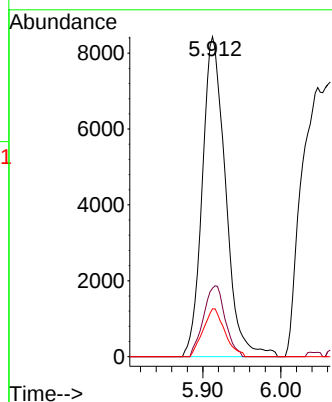
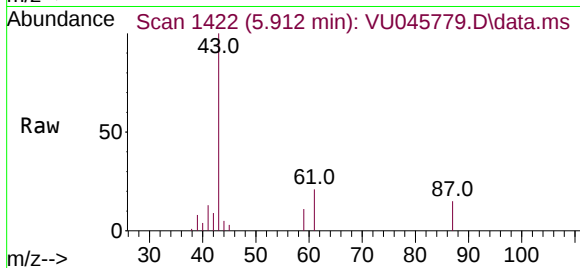
Tgt Ion: 43 Resp: 17472

Ion Ratio Lower Upper

43 100

61 20.7 16.9 25.3

87 13.9 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.730 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.244 min

Lab File: VU045779.D

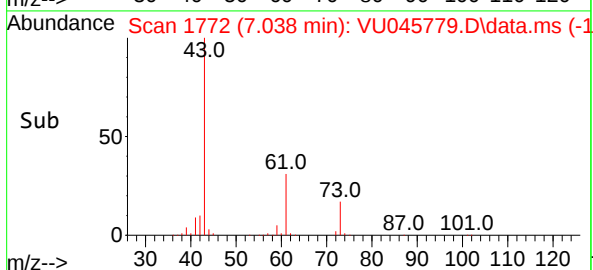
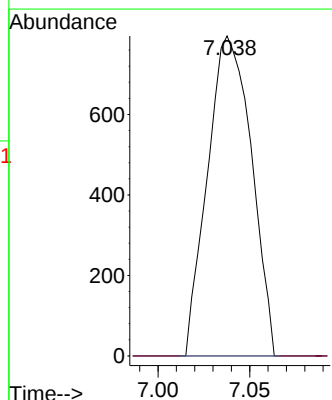
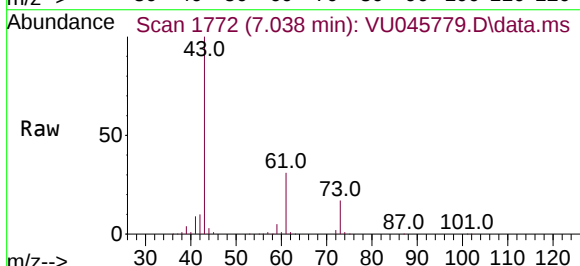
Acq: 12 Nov 2021 19:03

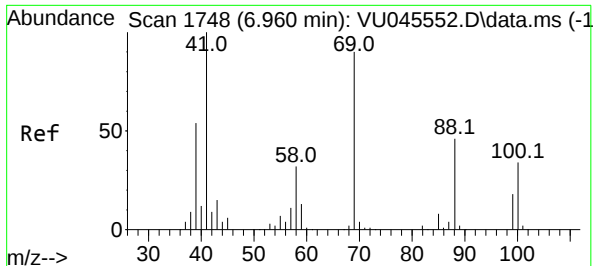
Tgt Ion: 63 Resp: 1321

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.876 ug/l

RT: 6.893 min Scan# 1

Delta R.T. -0.067 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

ClientSampleId :

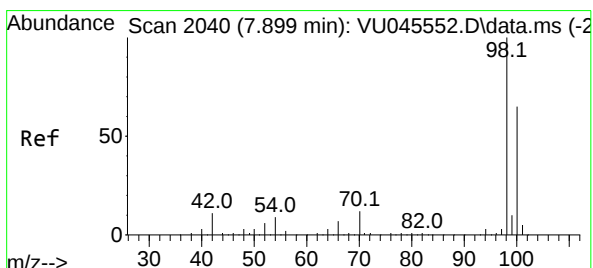
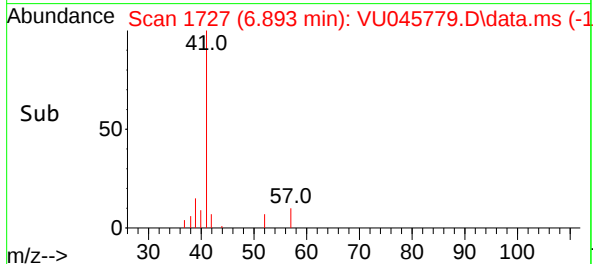
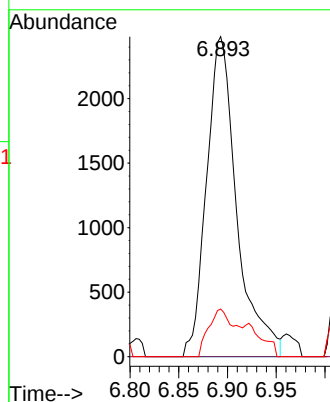
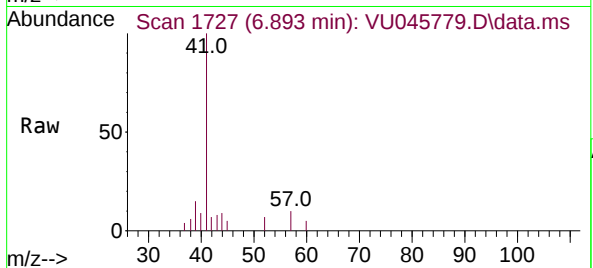
Tgt Ion: 41 Resp: 5370

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#50

Toluene-d8

Concen: 53.062 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU045779.D

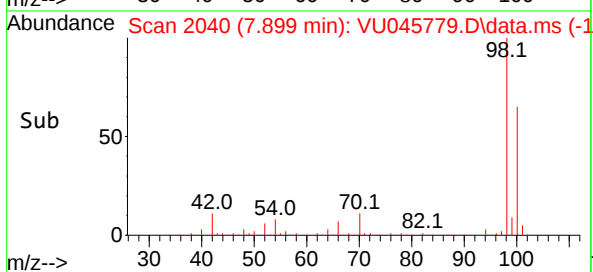
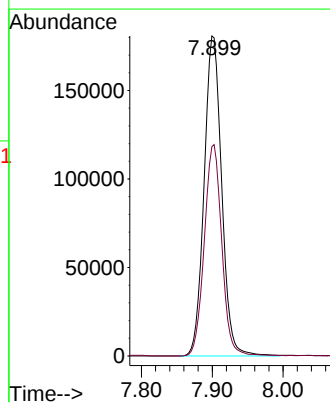
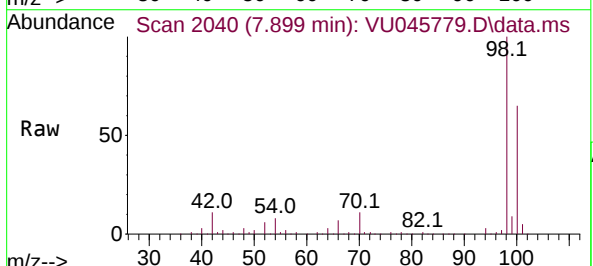
Acq: 12 Nov 2021 19:03

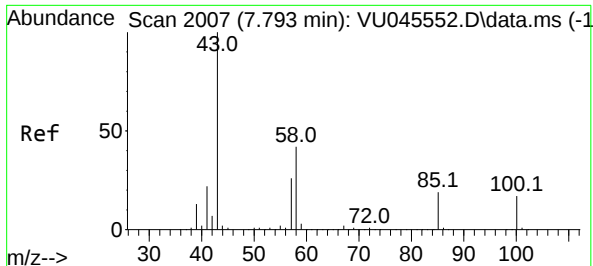
Tgt Ion: 98 Resp: 311966

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 2.001 ug/l

RT: 7.790 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

Instrument :

MSVOA_U

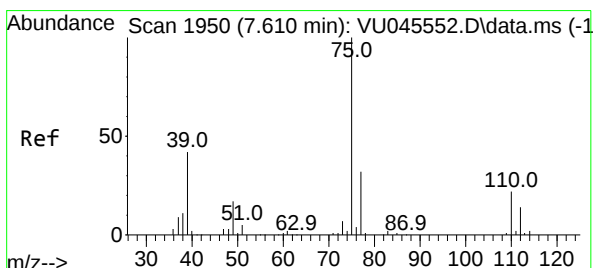
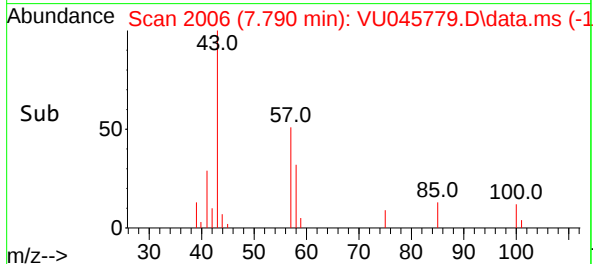
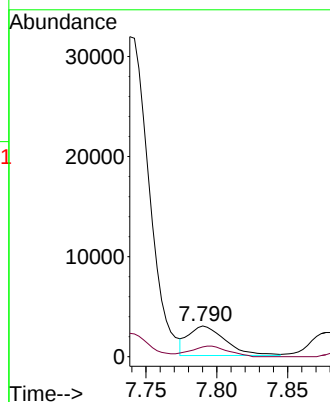
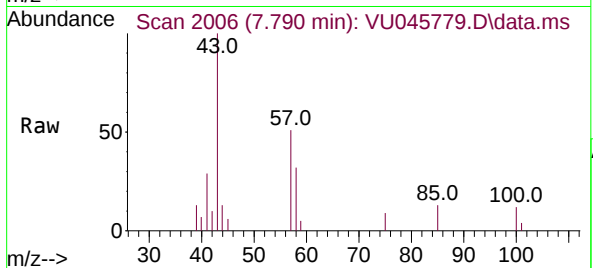
ClientSampleId :

Tgt Ion: 43 Resp: 5355

Ion Ratio Lower Upper

43 100

58 35.6 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 9.774 ug/l

RT: 7.742 min Scan# 1991

Delta R.T. 0.132 min

Lab File: VU045779.D

Acq: 12 Nov 2021 19:03

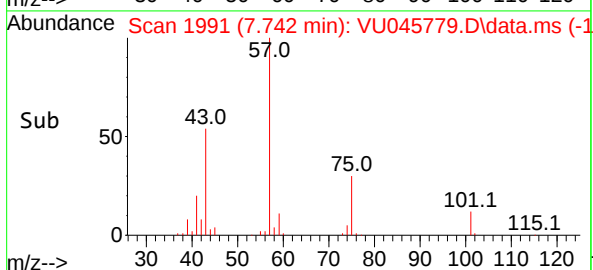
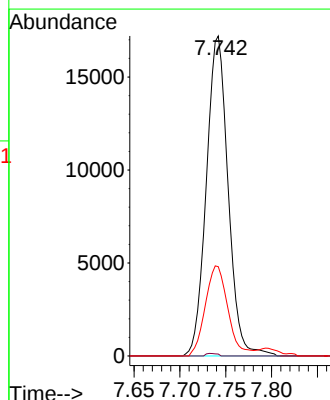
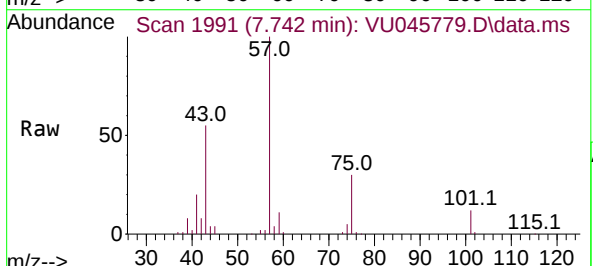
Tgt Ion: 75 Resp: 28375

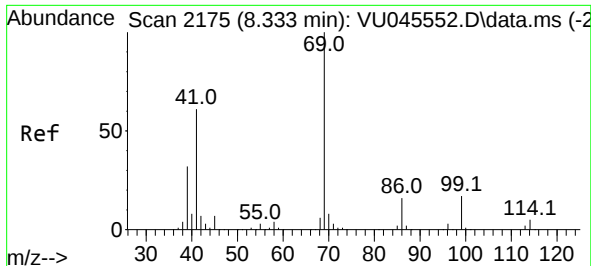
Ion Ratio Lower Upper

75 100

77 0.6 24.6 37.0#

39 27.9 37.1 55.7#

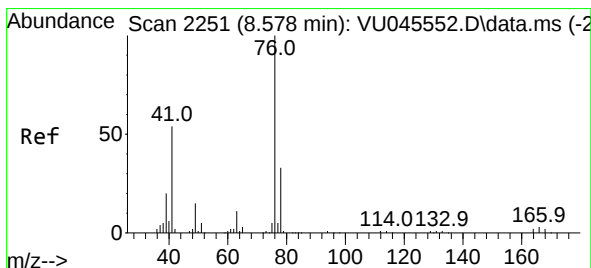
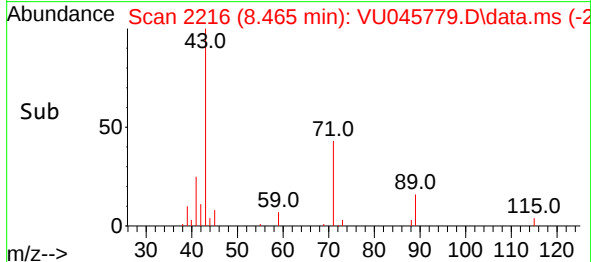
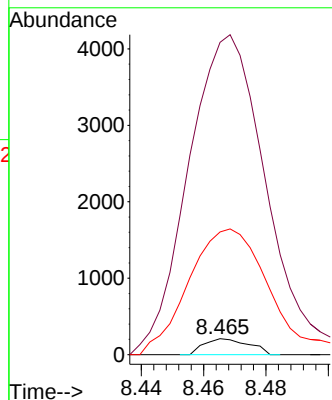
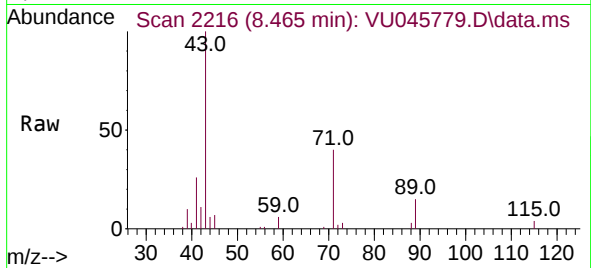




#56
Ethyl methacrylate
Concen: 2.488 ug/l
RT: 8.465 min Scan# 2175
Delta R.T. 0.132 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

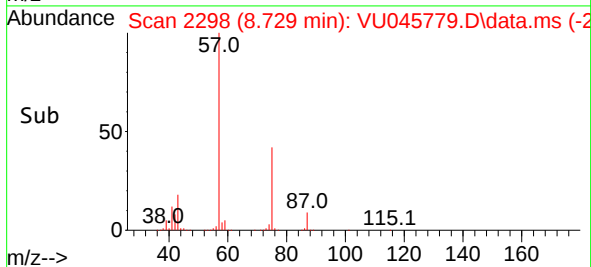
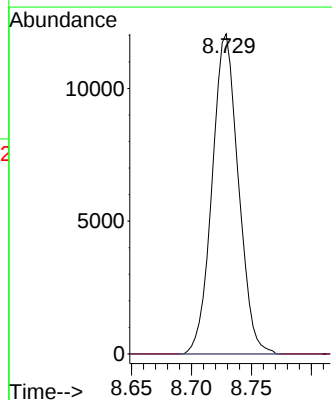
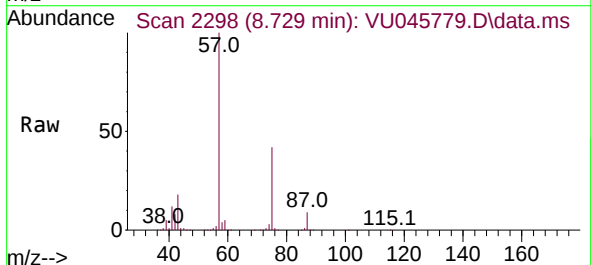
Instrument :
MSVOA_U
ClientSampleId :

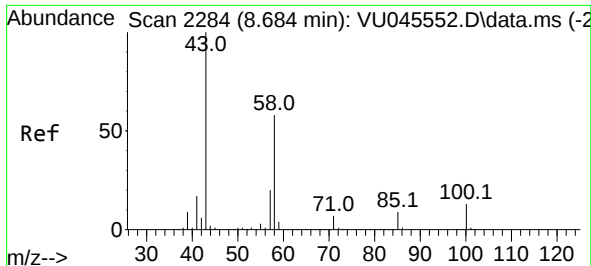
Tgt Ion: 69 Resp: 210
Ion Ratio Lower Upper
69 100
41 3474.3 51.0 76.4#
39 1403.8 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.868 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Tgt Ion: 76 Resp: 18333
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

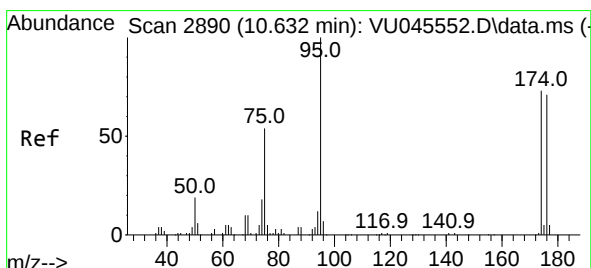
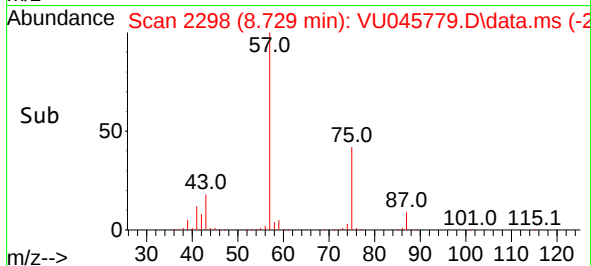
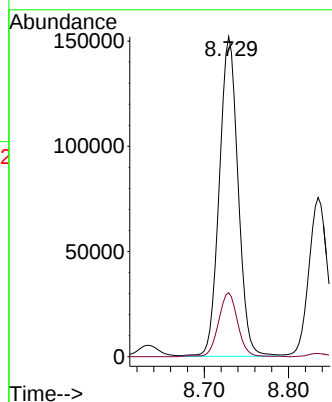
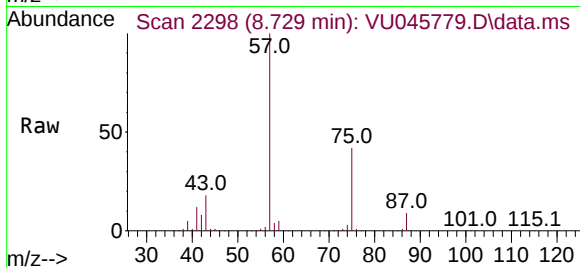




#59
2-Hexanone
Concen: 105.211 ug/l
RT: 8.729 min Scan# 211
Delta R.T. 0.045 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

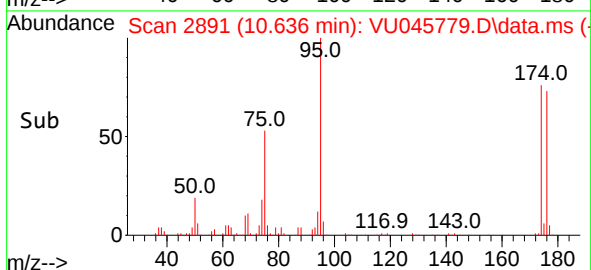
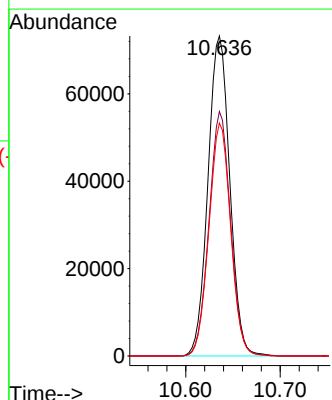
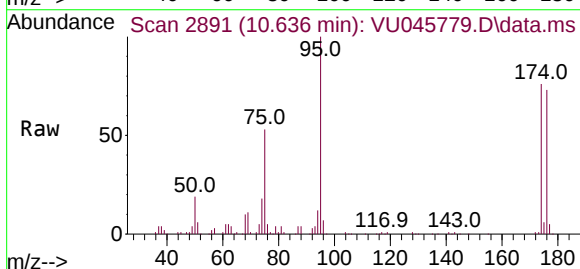
Instrument :
MSVOA_U
ClientSampleId :

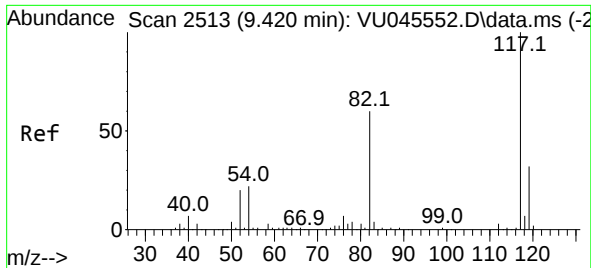
Tgt Ion: 43 Resp: 234532
Ion Ratio Lower Upper
43 100
58 19.9 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 49.813 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Tgt Ion: 95 Resp: 117437
Ion Ratio Lower Upper
95 100
174 75.8 0.0 141.8
176 72.2 0.0 138.2

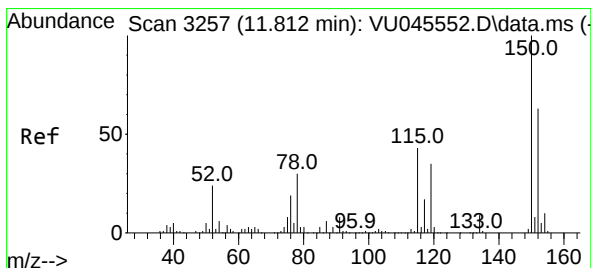
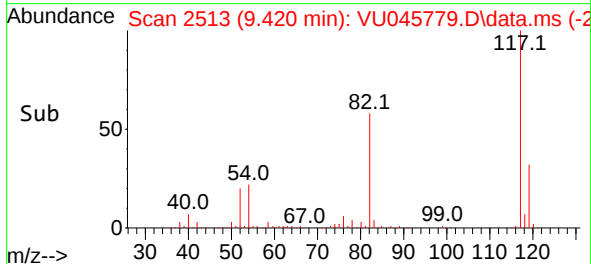
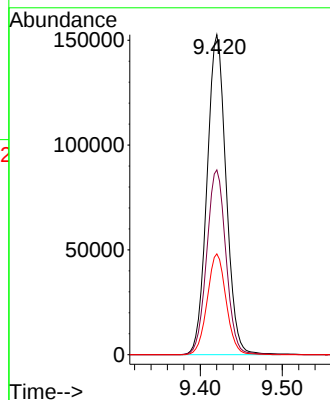
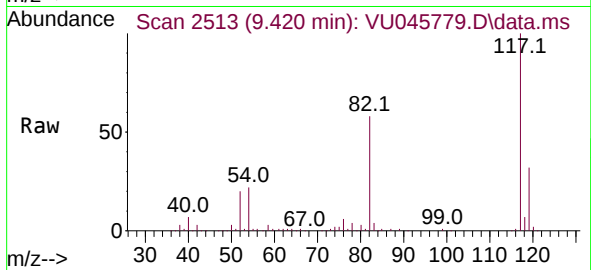




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

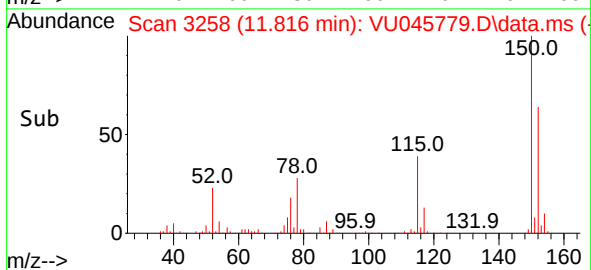
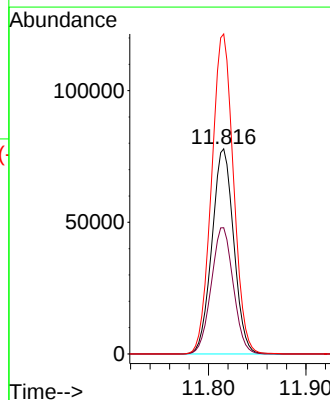
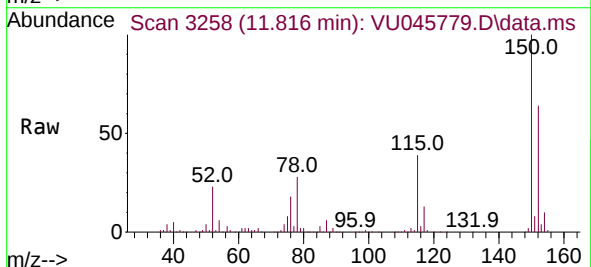
Instrument :
MSVOA_U
ClientSampleId :

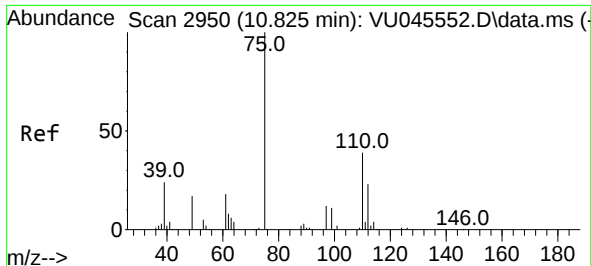
Tgt Ion:117 Resp: 247240
Ion Ratio Lower Upper
117 100
82 57.7 47.8 71.8
119 31.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.003 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Tgt Ion:152 Resp: 121097
Ion Ratio Lower Upper
152 100
115 62.1 42.7 128.1
150 156.8 0.0 346.8

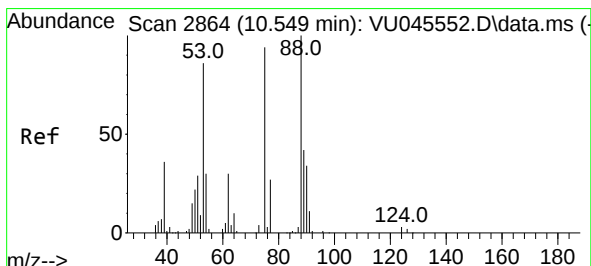
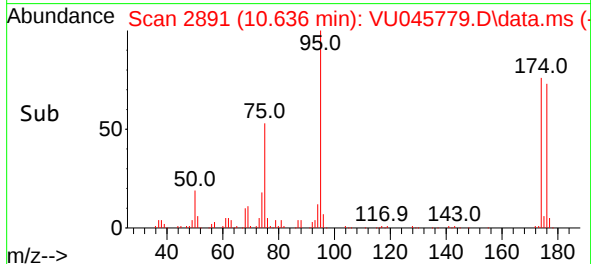
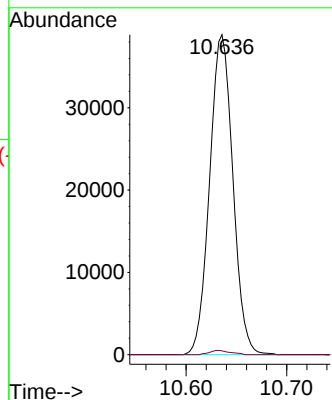
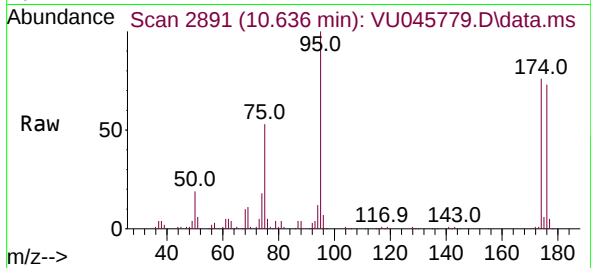




#76
1,2,3-Trichloropropane
Concen: 17.005 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

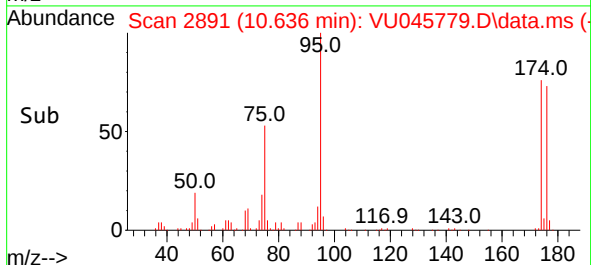
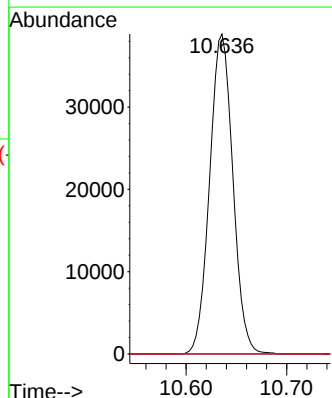
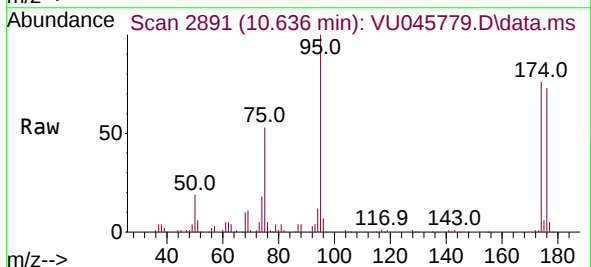
Instrument :
MSVOA_U
ClientSampleId :

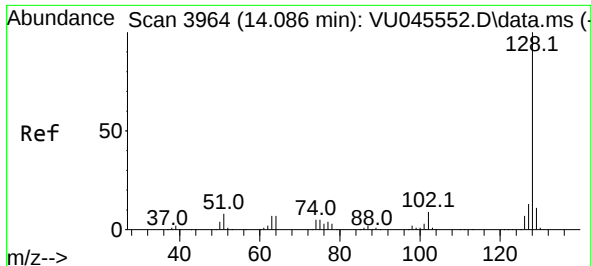
Tgt Ion: 75 Resp: 62450
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.367 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

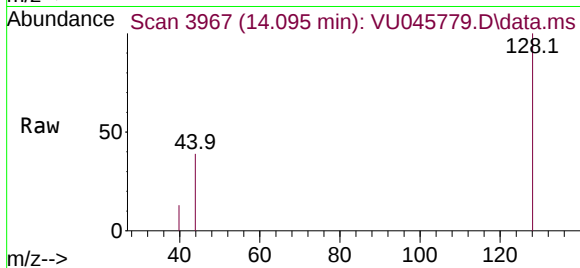
Tgt Ion: 75 Resp: 62450
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



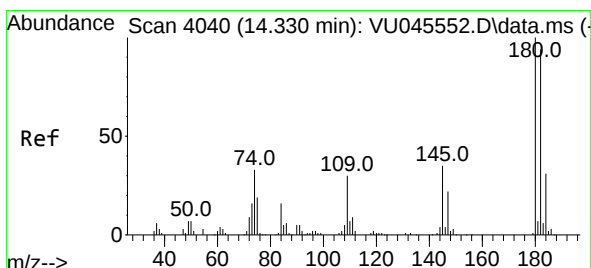
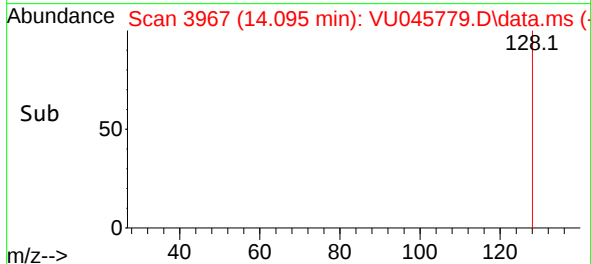
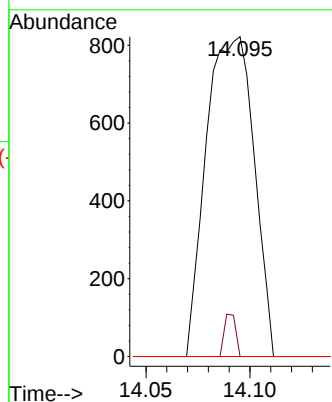


#95
Naphthalene
Concen: 1.160 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.009 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1313
Ion Ratio Lower Upper
128 100
127 3.1 10.6 15.8#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.207 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.006 min
Lab File: VU045779.D
Acq: 12 Nov 2021 19:03

Tgt Ion:180 Resp: 536
Ion Ratio Lower Upper
180 100
182 58.6 47.7 143.1
145 0.0 16.7 50.0#

