

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045921.D
 Acq On : 22 Nov 2021 17:54
 Operator : SY/MD
 Sample : PB140933ZHE#06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

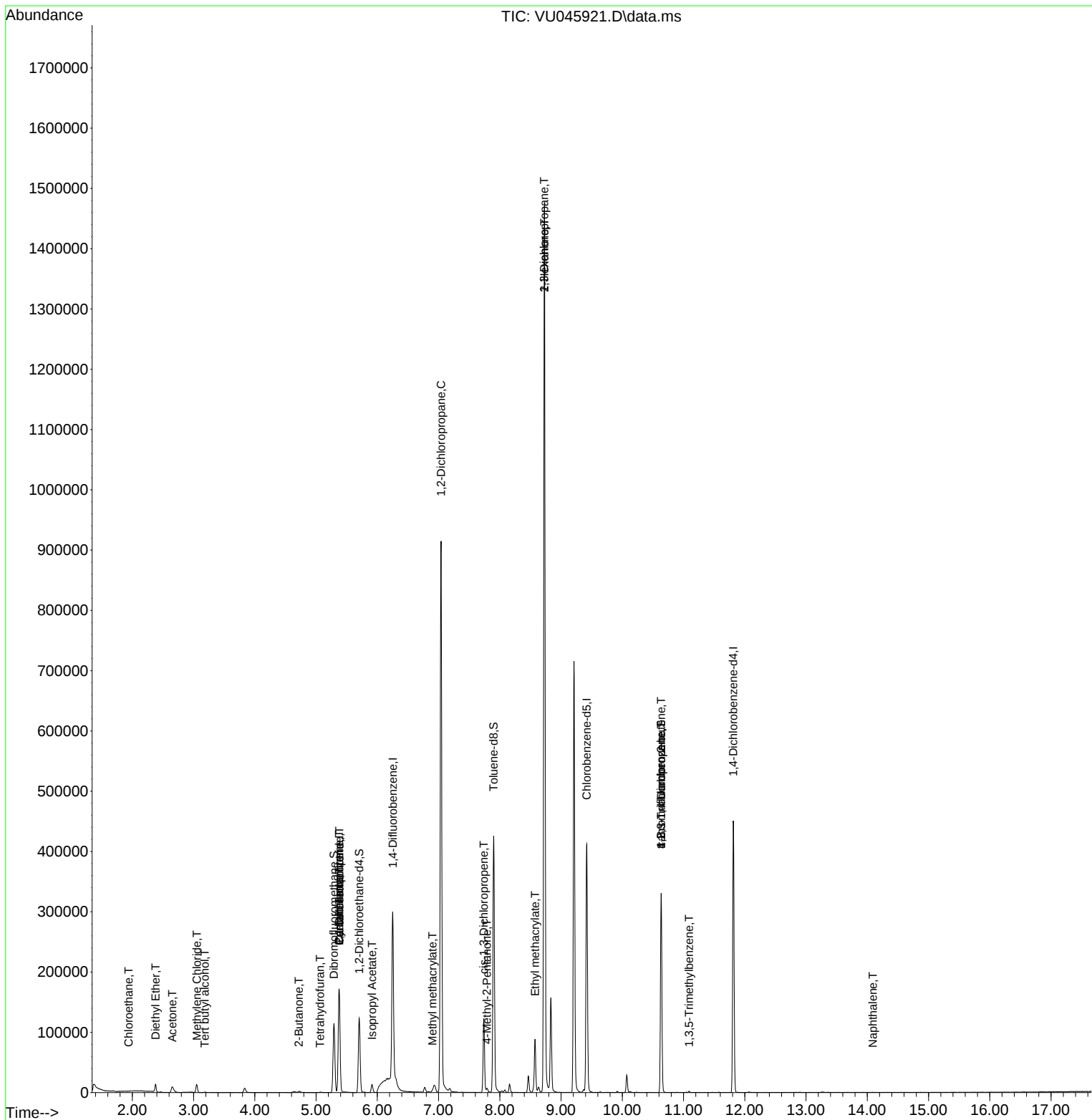
Instrument :
 MSVOA_U
 ClientSampleId :

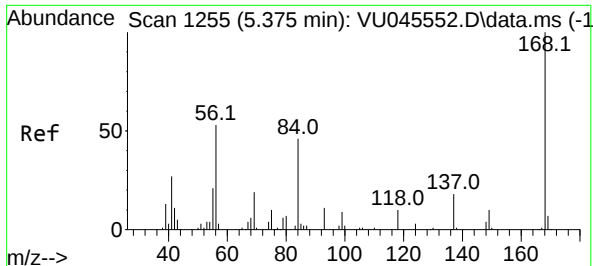
Quant Time: Nov 23 05:17:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	115730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	221020	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	230404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	114998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	92260	53.231	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.460%	
35) Dibromofluoromethane	5.292	113	73688	49.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.880%	
50) Toluene-d8	7.899	98	286386	52.192	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	10.636	95	111721	50.775	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.560%	
Target Compounds						Qvalue
6) Chloroethane	1.941	64	320	0.293	ug/l #	41
8) Diethyl Ether	2.379	74	4368	4.990	ug/l	92
11) Tert butyl alcohol	3.182	59	216	0.630	ug/l #	72
16) Acetone	2.652	43	19219	21.783	ug/l	98
20) Methylene Chloride	3.054	84	6468	4.219	ug/l	98
25) 2-Butanone	4.719	43	4036	3.298	ug/l	100
29) Tetrahydrofuran	5.067	42	640	0.855	ug/l #	50
31) Cyclohexane	5.375	56	2452	0.970	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	9976	4.629	ug/l #	49
38) Carbon Tetrachloride	5.378	117	12242	5.634	ug/l #	15
43) Isopropyl Acetate	5.915	43	14360	3.792	ug/l	96
45) 1,2-Dichloropropane	7.041	63	1089	0.645	ug/l #	43
48) Methyl methacrylate	6.899	41	4642	2.663	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	4084	1.635	ug/l	93
54) cis-1,3-Dichloropropene	7.739	75	22395	8.265	ug/l #	62
56) Ethyl methacrylate	8.578	69	847	2.702	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15766	5.407	ug/l #	43
59) 2-Hexanone	8.729	43	191870	93.154	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	57847	16.587	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.092	105	1602	0.244	ug/l	96
81) trans-1,4-Dichloro-2-b...	10.636	75	57847	54.080	ug/l #	12
95) Naphthalene	14.092	128	118	1.041	ug/l #	69

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

Quant Time: Nov 23 05:17:37 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

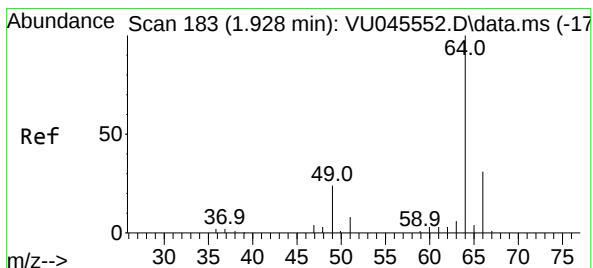
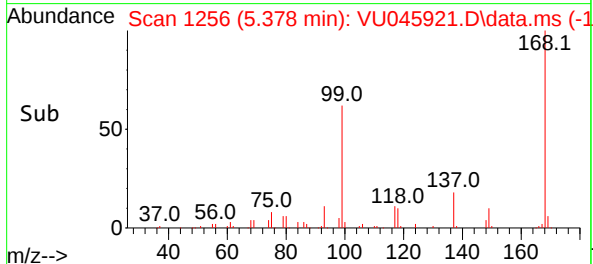
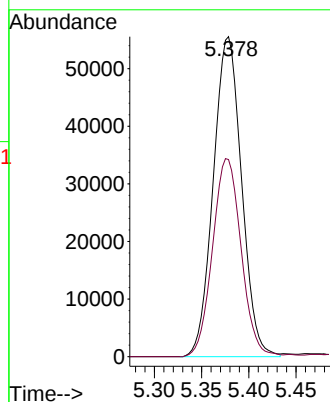
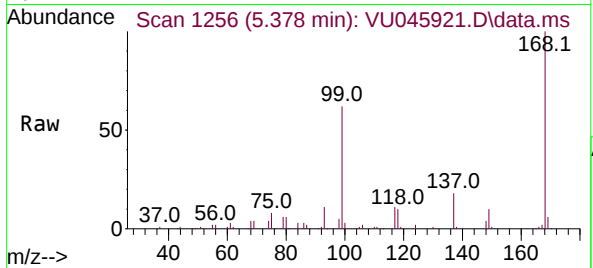




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

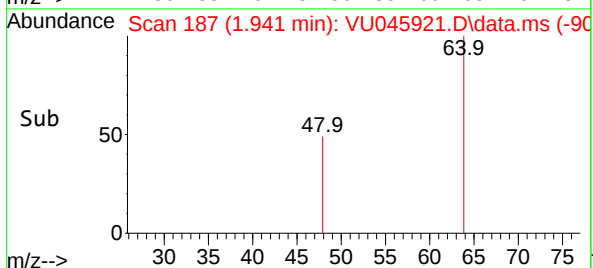
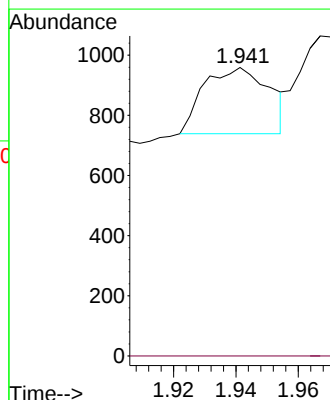
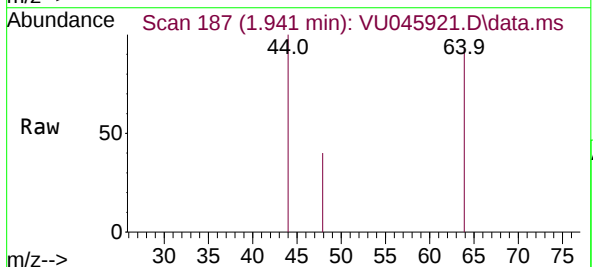
Instrument :
MSVOA_U
ClientSampleId :

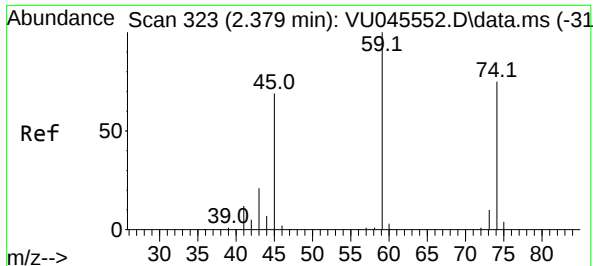
Tgt Ion:168 Resp: 115730
Ion Ratio Lower Upper
168 100
99 61.6 51.0 76.6



#6
Chloroethane
Concen: 0.293 ug/l
RT: 1.941 min Scan# 187
Delta R.T. 0.013 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 4.990 ug/l

RT: 2.379 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

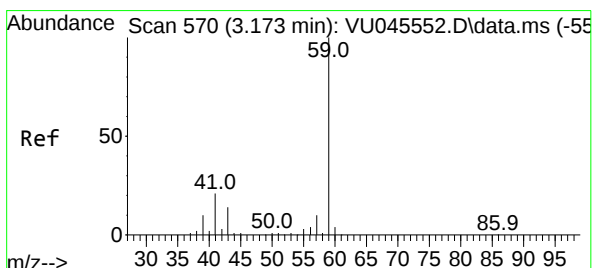
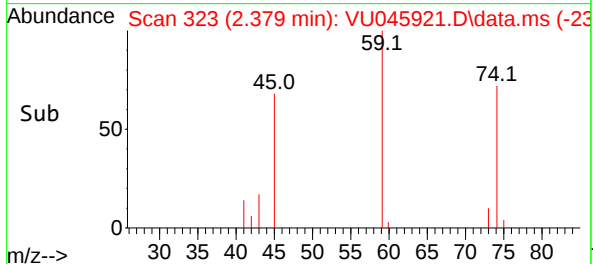
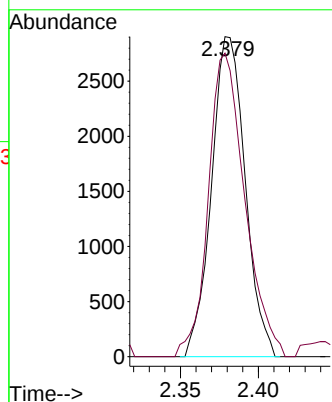
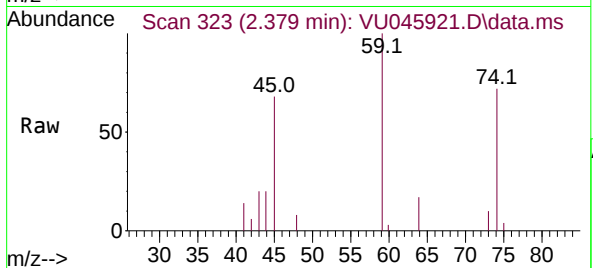
ClientSampleId :

Tgt Ion: 74 Resp: 4368

Ion Ratio Lower Upper

74 100

45 102.5 47.3 141.8



#11

Tert butyl alcohol

Concen: 0.630 ug/l

RT: 3.182 min Scan# 573

Delta R.T. 0.010 min

Lab File: VU045921.D

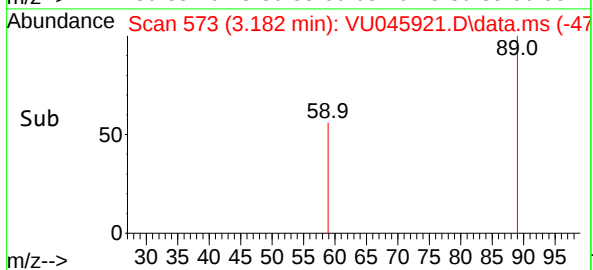
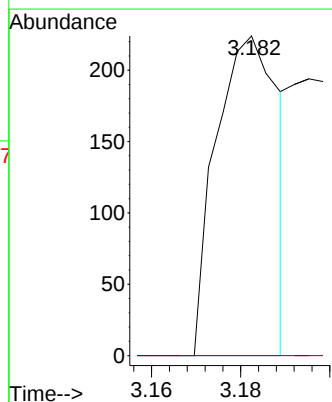
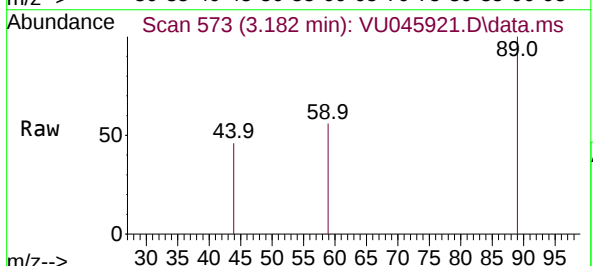
Acq: 22 Nov 2021 17:54

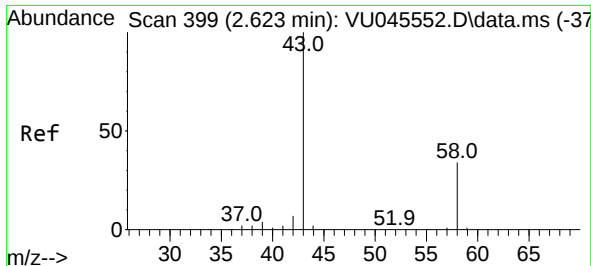
Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

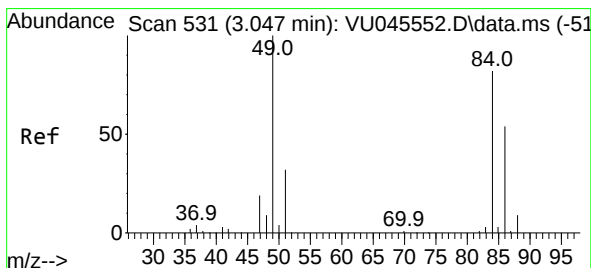
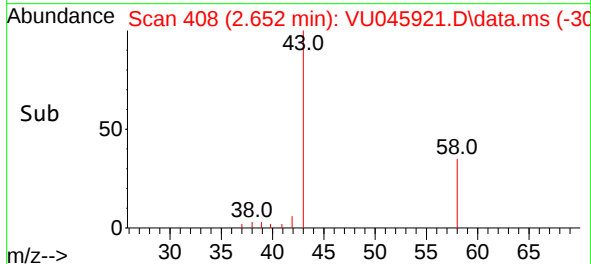
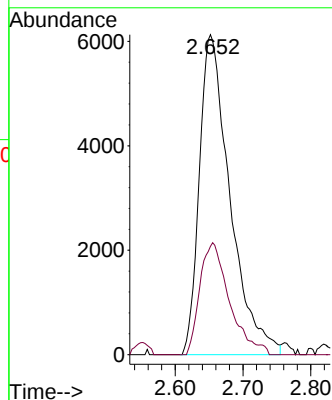
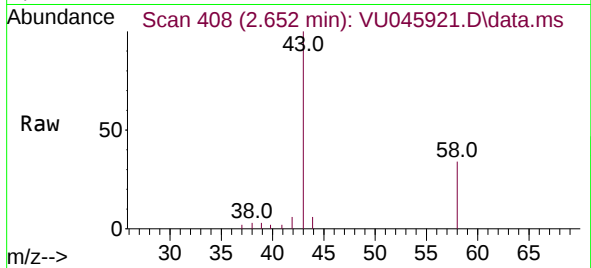




#16
Acetone
Concen: 21.783 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.029 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

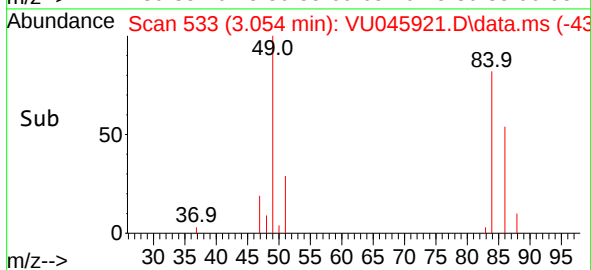
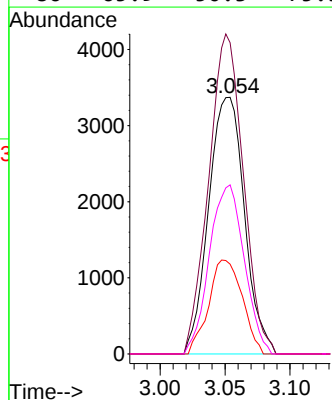
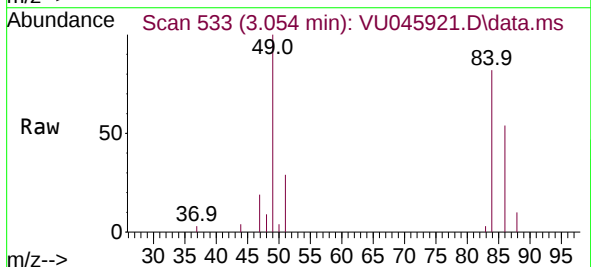
Instrument :
MSVOA_U
ClientSampleId :

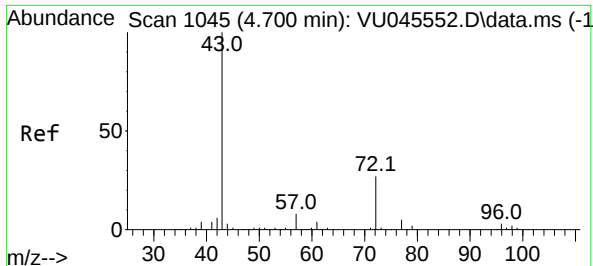
Tgt Ion: 43 Resp: 19219
Ion Ratio Lower Upper
43 100
58 33.8 26.2 39.2



#20
Methylene Chloride
Concen: 4.219 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.006 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 84 Resp: 6468
Ion Ratio Lower Upper
84 100
49 121.3 96.4 144.6
51 35.0 30.5 45.7
86 65.9 50.3 75.5





#25

2-Butanone

Concen: 3.298 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

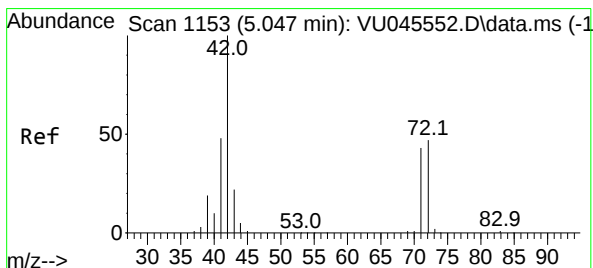
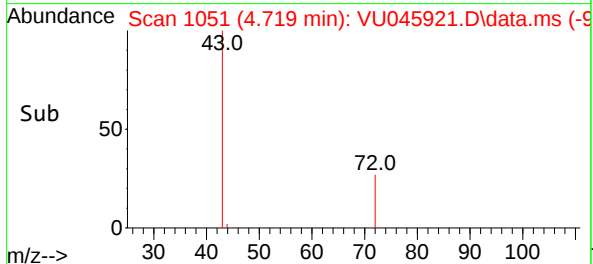
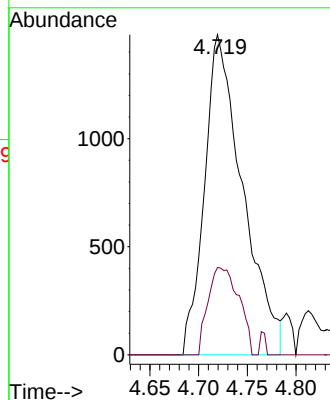
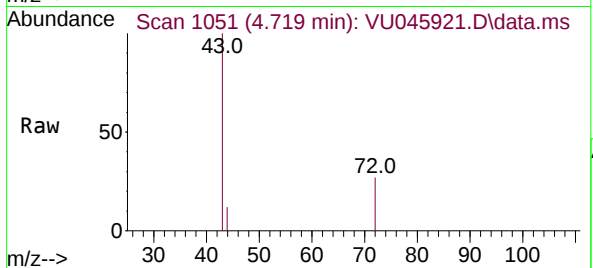
ClientSampleId :

Tgt Ion: 43 Resp: 4036

Ion Ratio Lower Upper

43 100

72 27.3 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.855 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.019 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

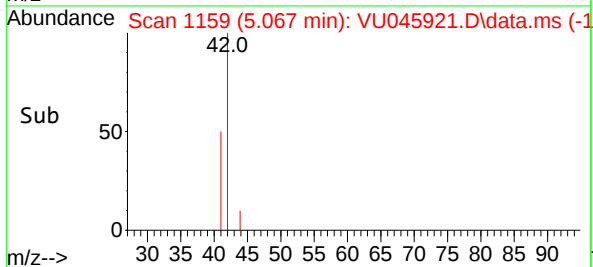
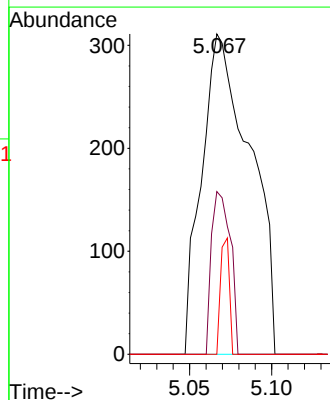
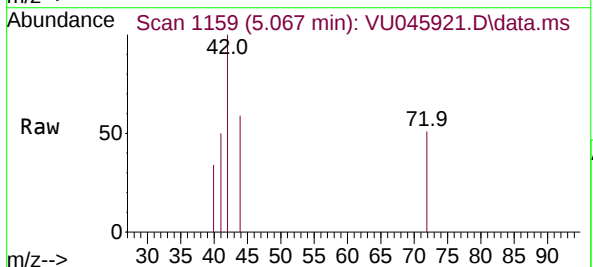
Tgt Ion: 42 Resp: 640

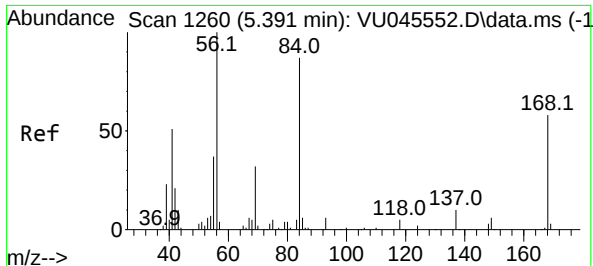
Ion Ratio Lower Upper

42 100

72 19.7 38.2 57.4#

71 6.6 35.4 53.2#

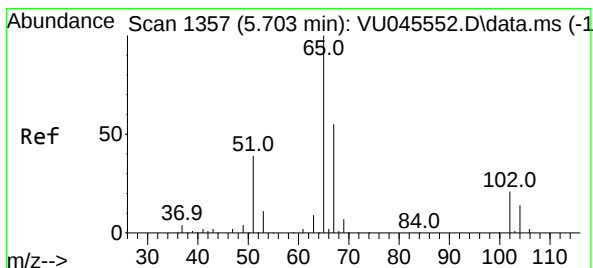
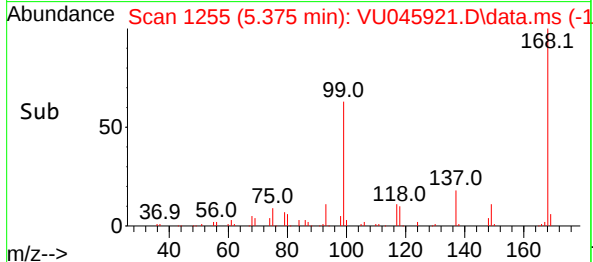
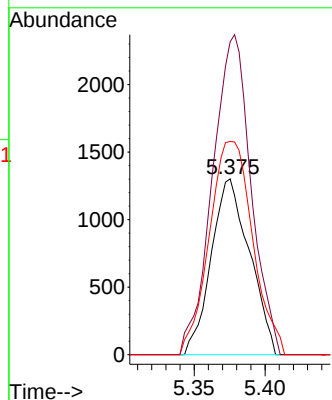
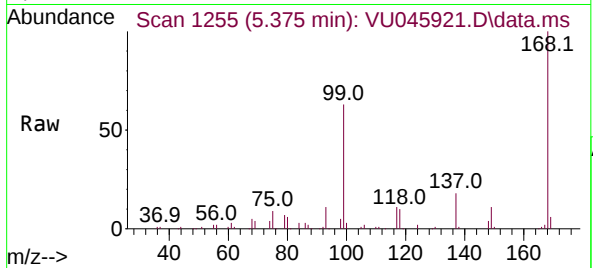




#31
Cyclohexane
Concen: 0.970 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

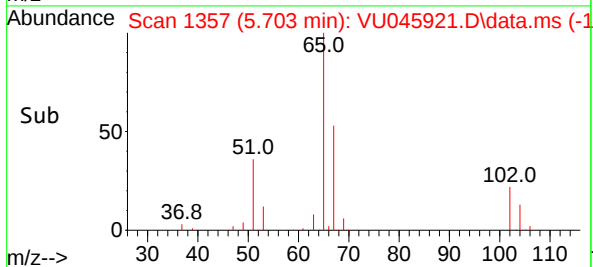
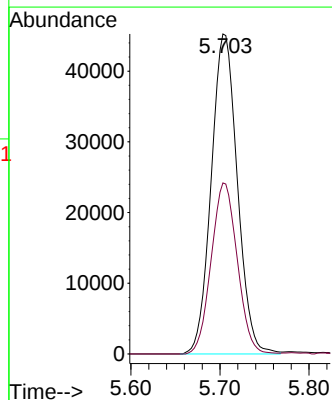
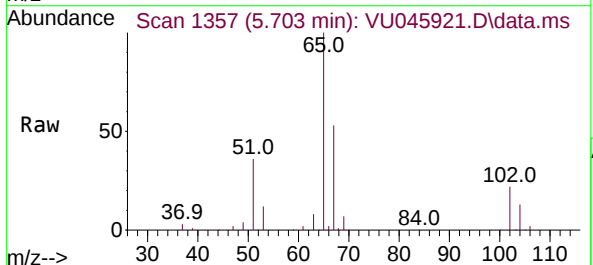
Instrument :
MSVOA_U
ClientSampleId :

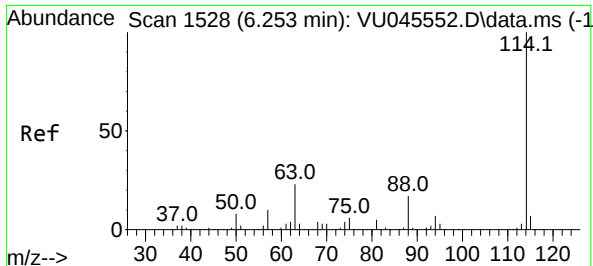
Tgt Ion: 56 Resp: 2452
Ion Ratio Lower Upper
56 100
69 177.9 26.4 39.6#
84 121.3 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.231 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 65 Resp: 92260
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

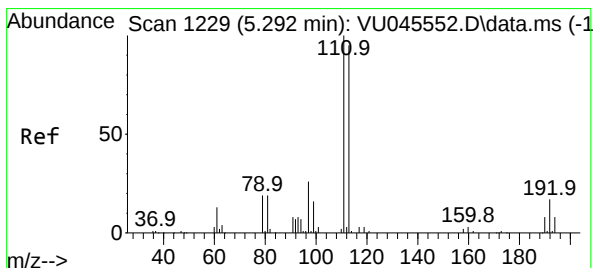
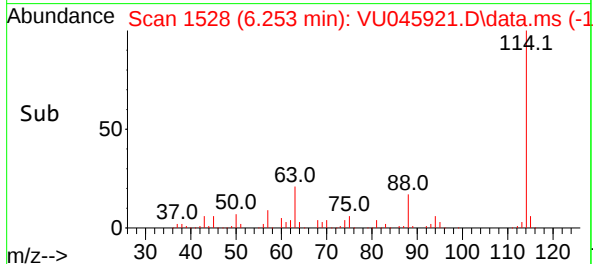
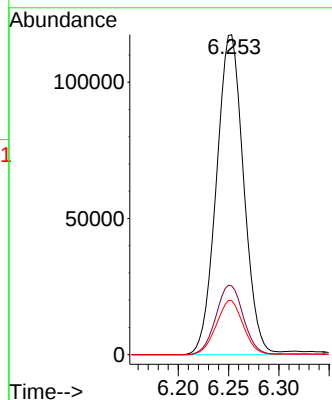
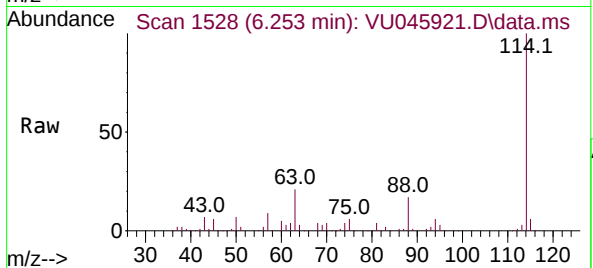
Tgt Ion:114 Resp: 221020

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.6

88 16.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.937 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

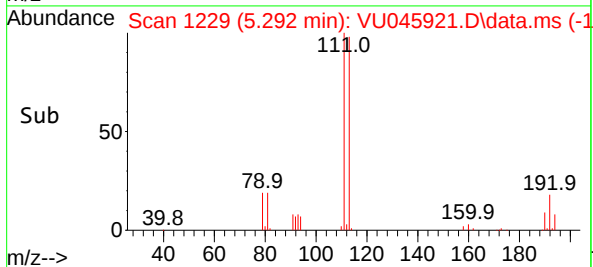
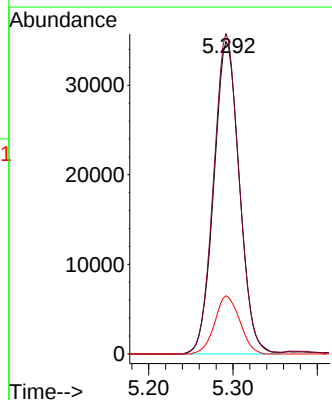
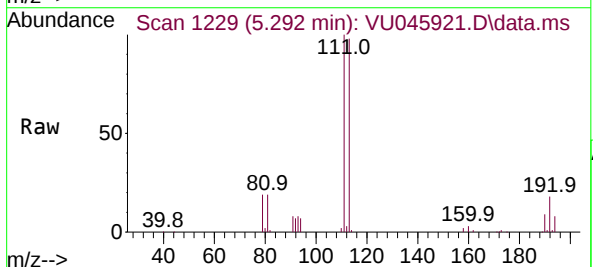
Tgt Ion:113 Resp: 73688

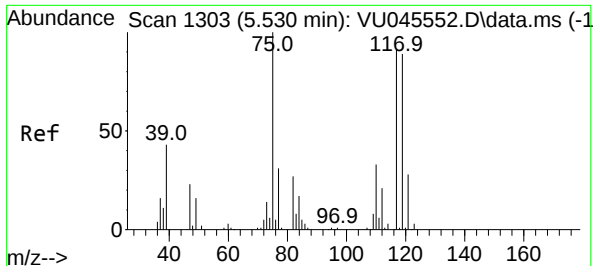
Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 18.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.629 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

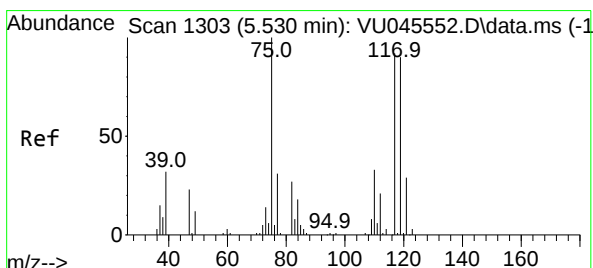
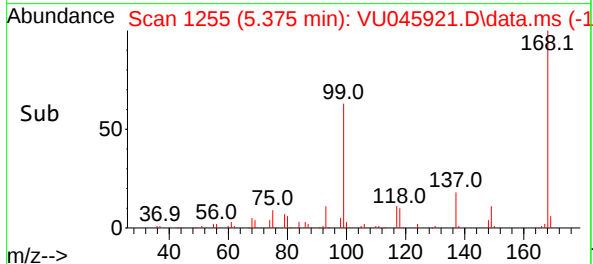
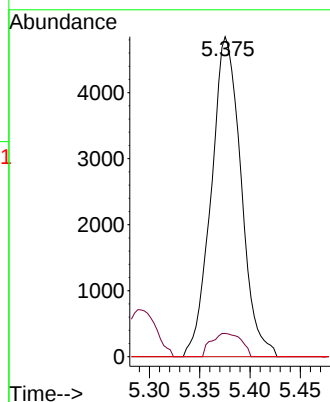
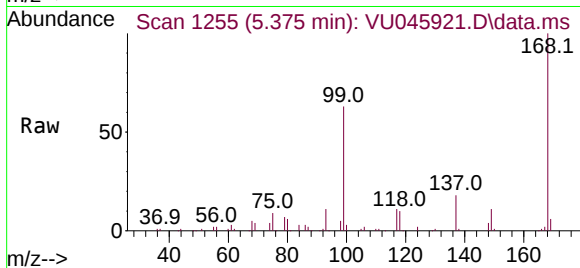
Tgt Ion: 75 Resp: 9976

Ion Ratio Lower Upper

75 100

110 7.3 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

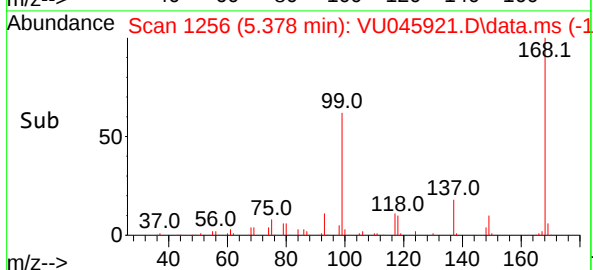
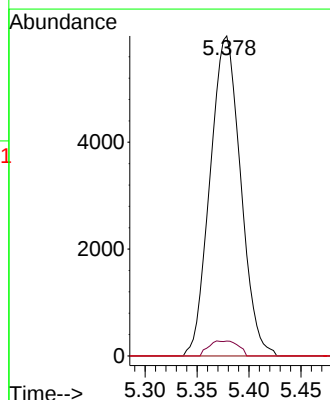
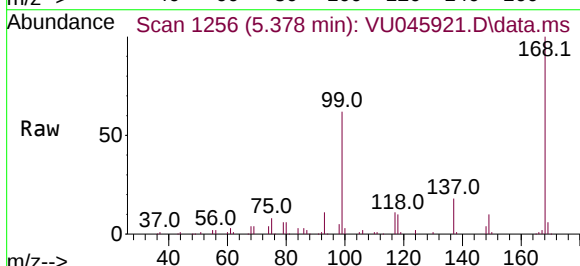
Tgt Ion: 117 Resp: 12242

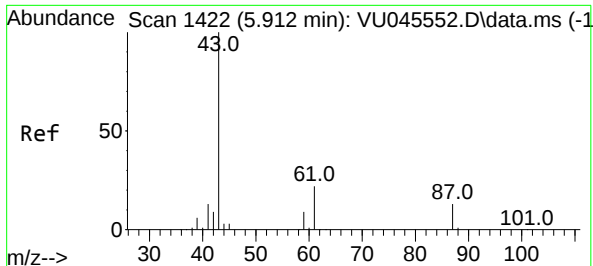
Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.0#

121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 3.792 ug/l

RT: 5.915 min Scan# 1422

Delta R.T. 0.003 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

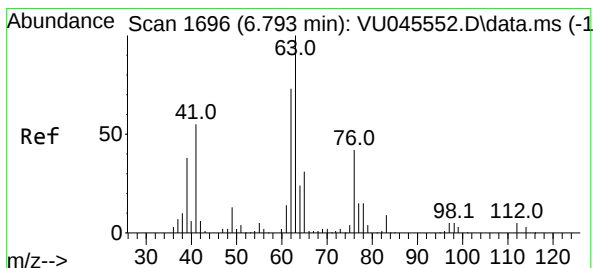
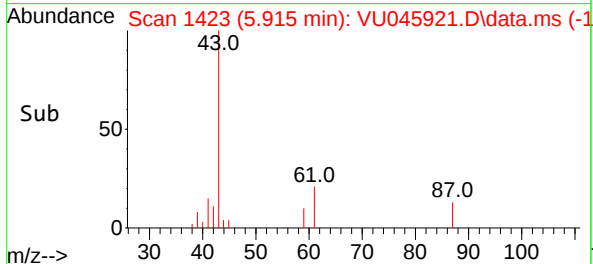
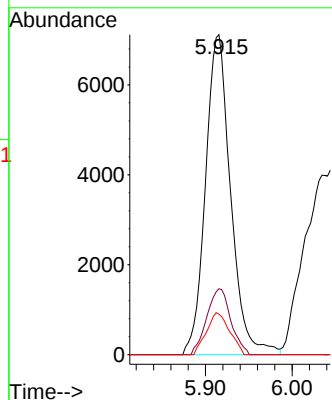
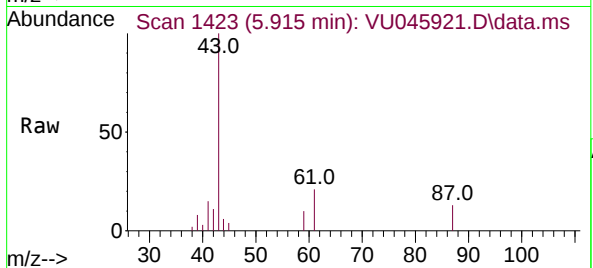
Tgt Ion: 43 Resp: 14360

Ion Ratio Lower Upper

43 100

61 19.6 16.9 25.3

87 12.0 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.645 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.248 min

Lab File: VU045921.D

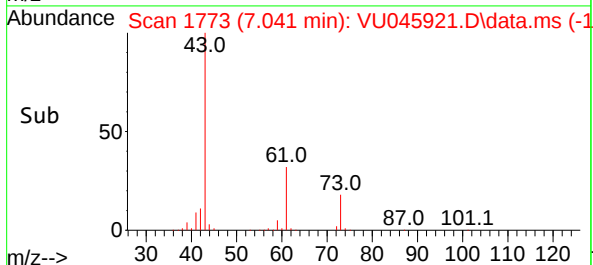
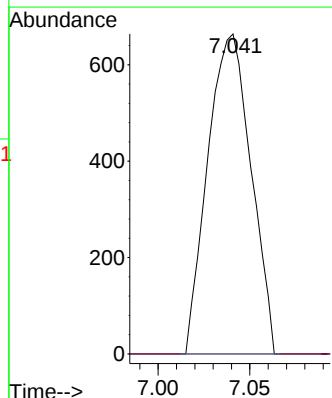
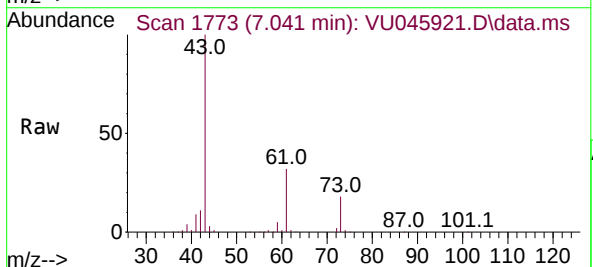
Acq: 22 Nov 2021 17:54

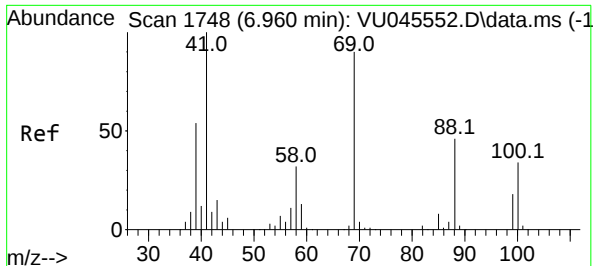
Tgt Ion: 63 Resp: 1089

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.663 ug/l

RT: 6.899 min Scan# 1

Delta R.T. -0.061 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

ClientSampleId :

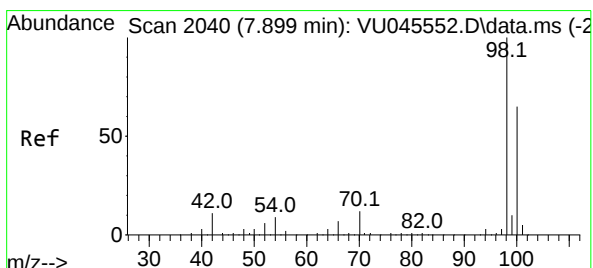
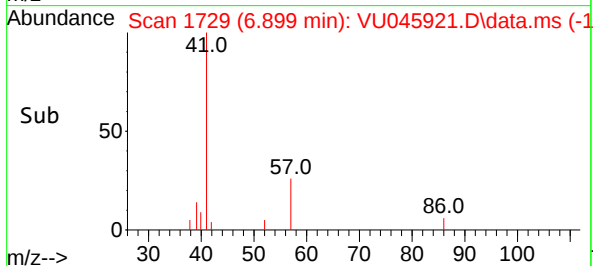
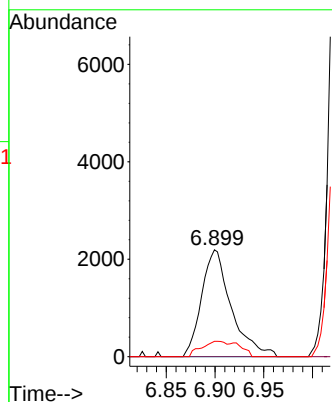
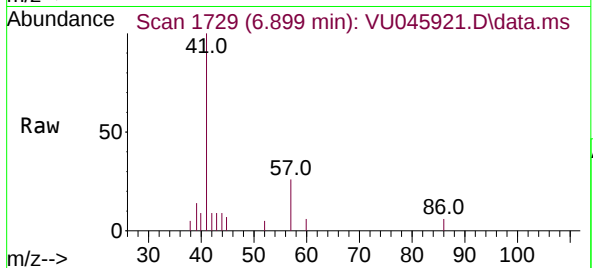
Tgt Ion: 41 Resp: 4642

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#50

Toluene-d8

Concen: 52.192 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045921.D

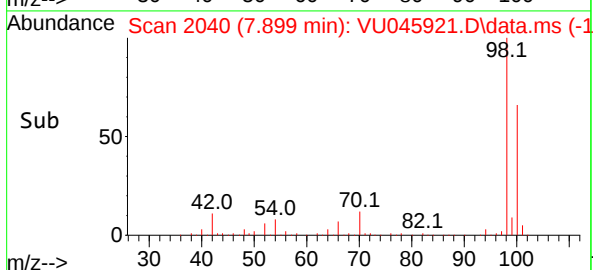
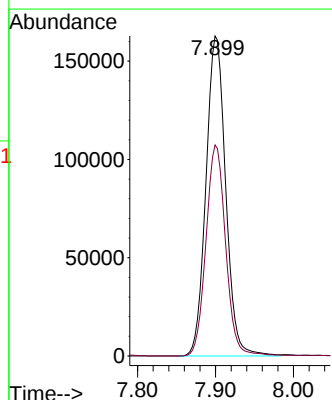
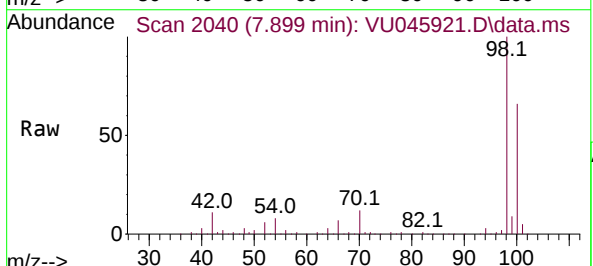
Acq: 22 Nov 2021 17:54

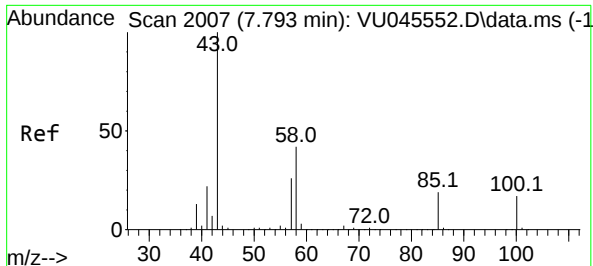
Tgt Ion: 98 Resp: 286386

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.635 ug/l

RT: 7.790 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_U

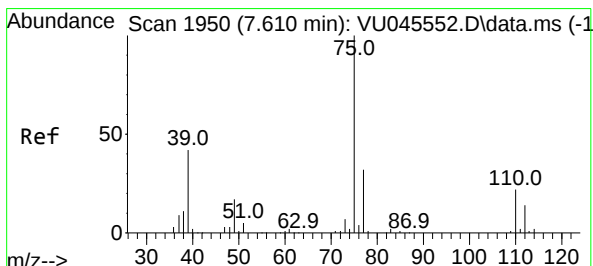
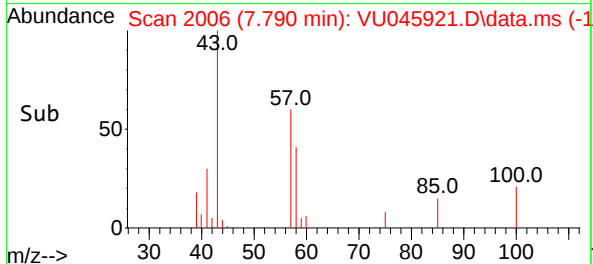
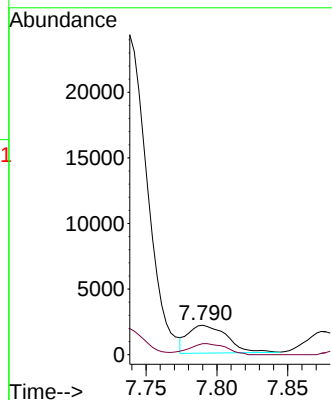
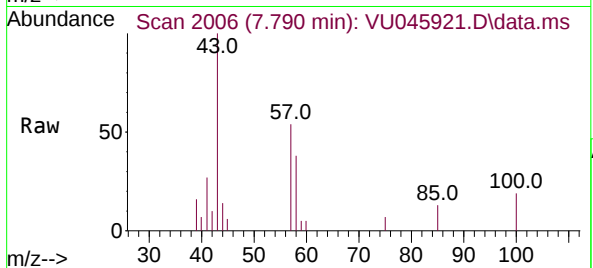
ClientSampleId :

Tgt Ion: 43 Resp: 4084

Ion Ratio Lower Upper

43 100

58 37.8 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 8.265 ug/l

RT: 7.739 min Scan# 1990

Delta R.T. 0.129 min

Lab File: VU045921.D

Acq: 22 Nov 2021 17:54

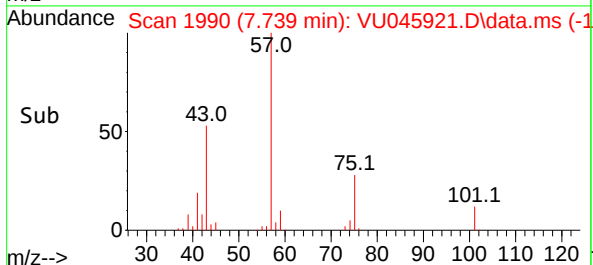
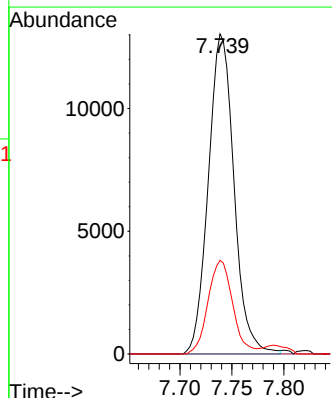
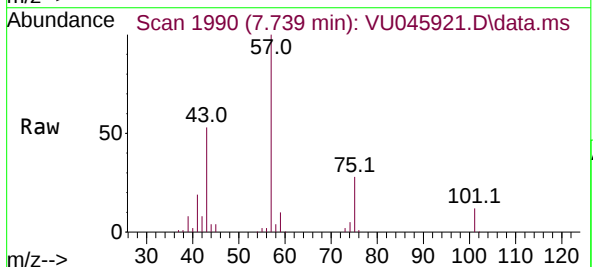
Tgt Ion: 75 Resp: 22395

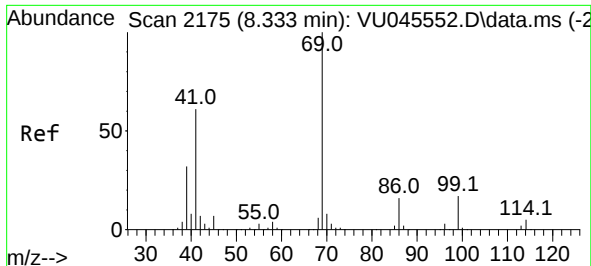
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 29.3 37.1 55.7#

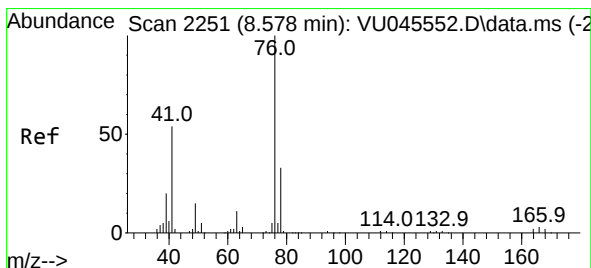
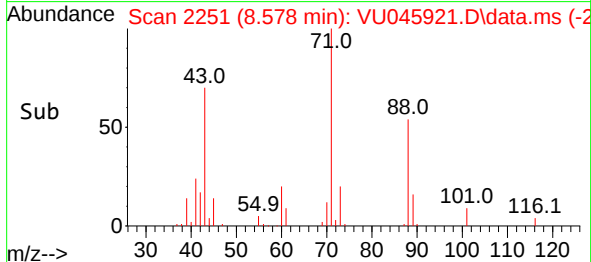
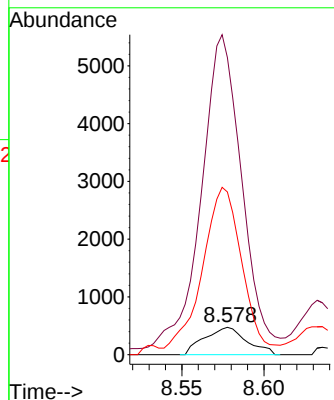
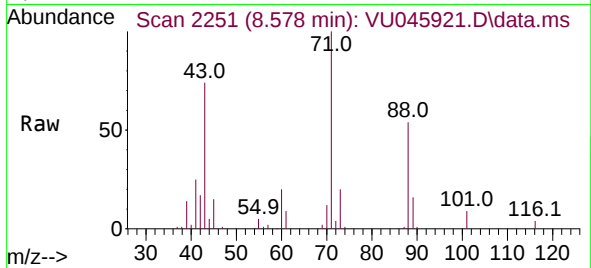




#56
Ethyl methacrylate
Concen: 2.702 ug/l
RT: 8.578 min Scan# 2175
Delta R.T. 0.245 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

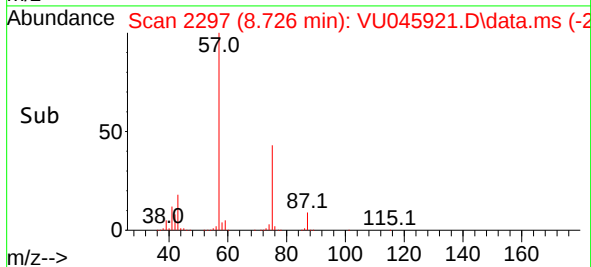
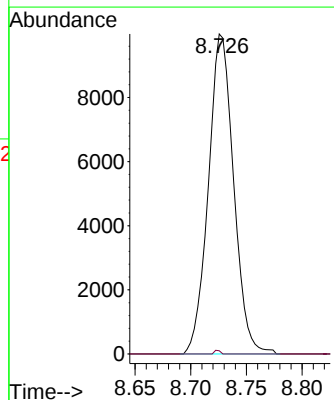
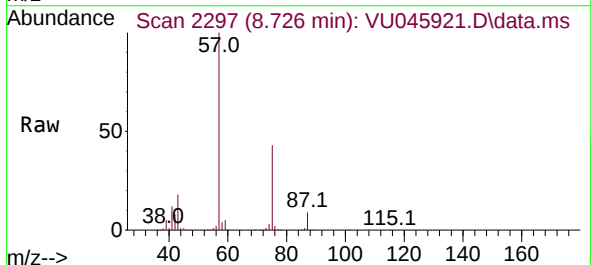
Instrument :
MSVOA_U
ClientSampleId :

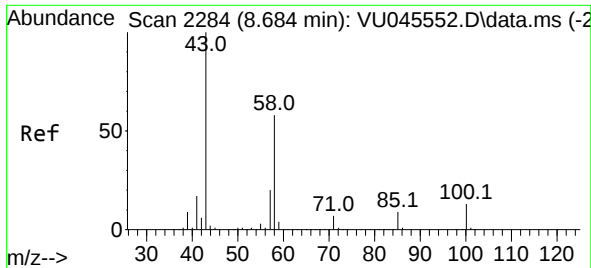
Tgt Ion: 69 Resp: 847
Ion Ratio Lower Upper
69 100
41 1084.4 51.0 76.4#
39 530.3 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.407 ug/l
RT: 8.726 min Scan# 2297
Delta R.T. 0.148 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 76 Resp: 15766
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#

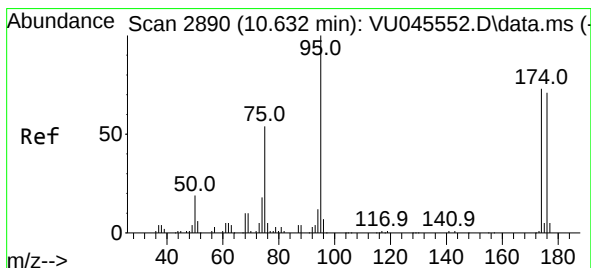
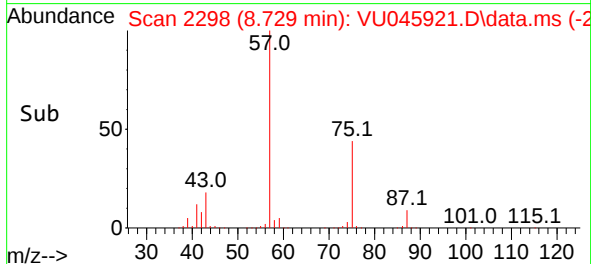
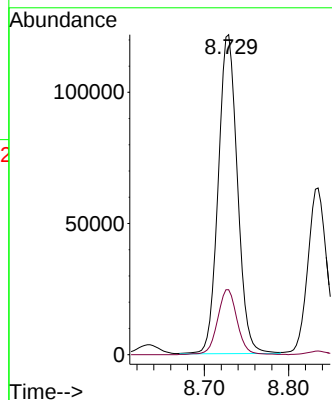
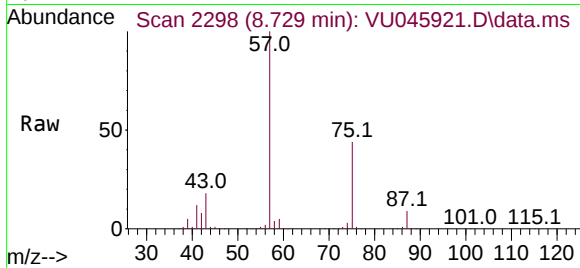




#59
2-Hexanone
Concen: 93.154 ug/l
RT: 8.729 min Scan# 21
Delta R.T. 0.045 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

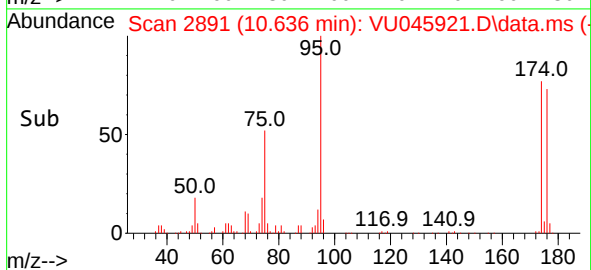
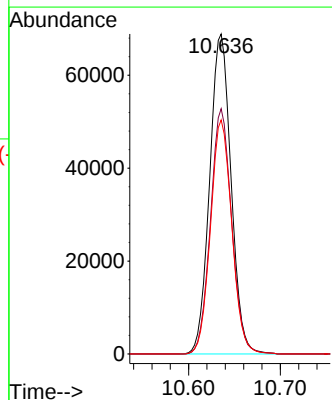
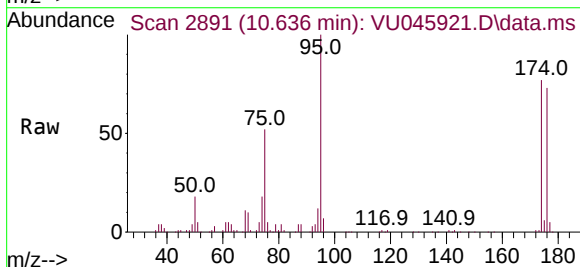
Instrument :
MSVOA_U
ClientSampleId :

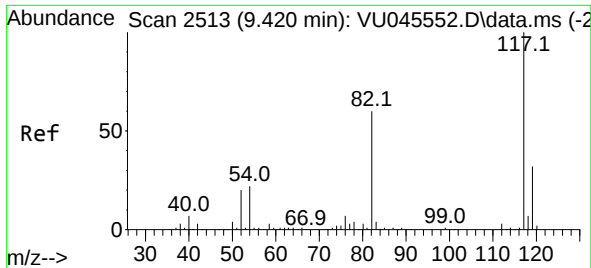
Tgt Ion: 43 Resp: 191870
Ion Ratio Lower Upper
43 100
58 20.9 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 50.775 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 95 Resp: 111721
Ion Ratio Lower Upper
95 100
174 76.0 0.0 141.8
176 72.8 0.0 138.2

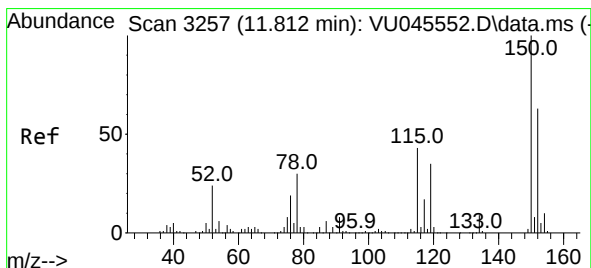
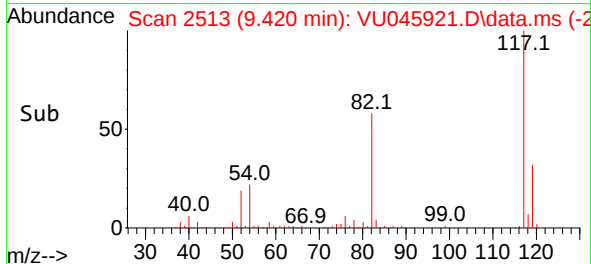
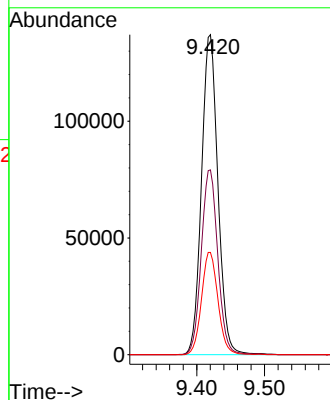
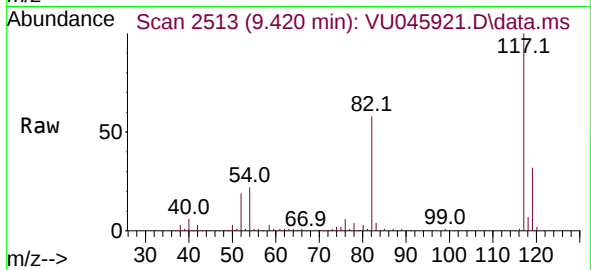




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

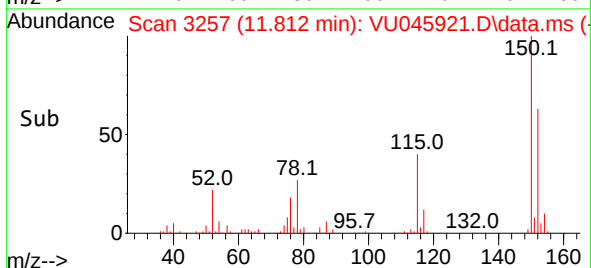
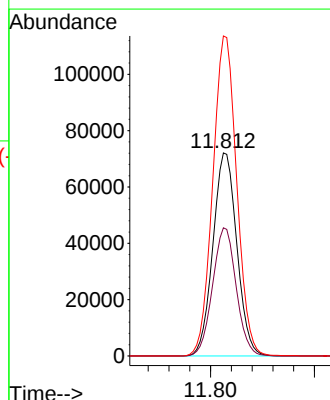
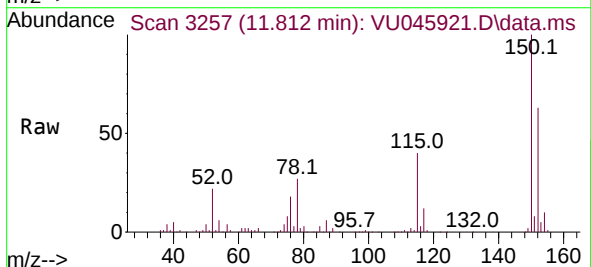
Instrument :
MSVOA_U
ClientSampleId :

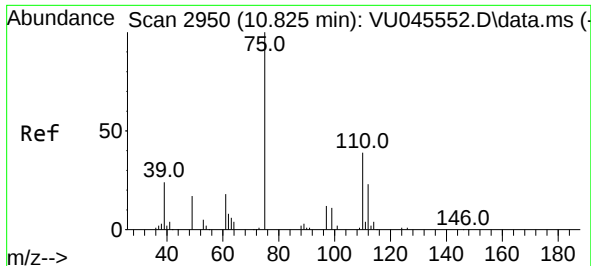
Tgt Ion:117 Resp: 230404
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.8
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion:152 Resp: 114998
Ion Ratio Lower Upper
152 100
115 62.3 42.7 128.1
150 157.9 0.0 346.8

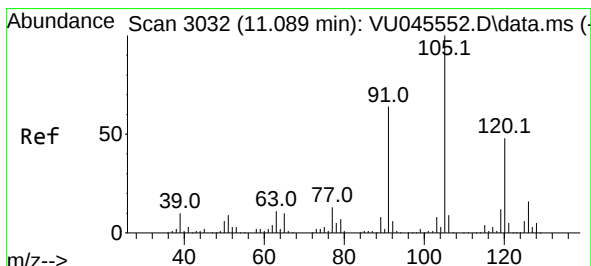
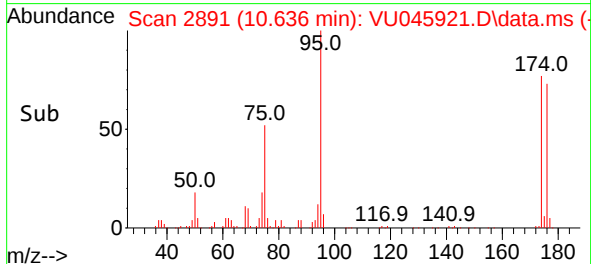
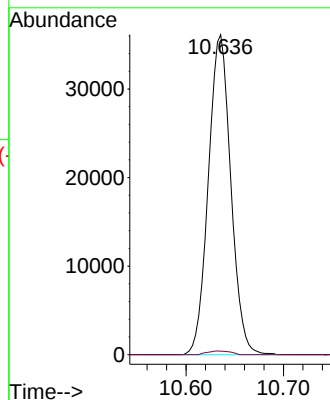
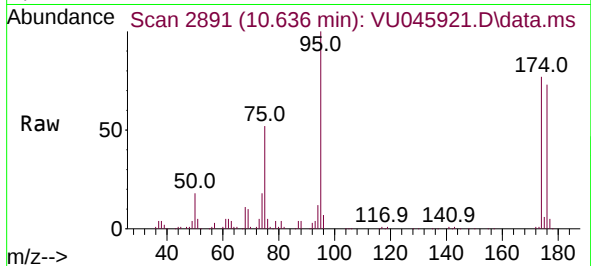




#76
1,2,3-Trichloropropane
Concen: 16.587 ug/l
RT: 10.636 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

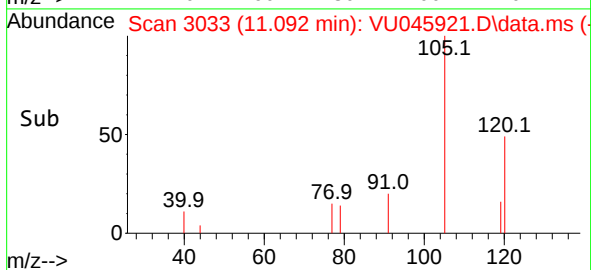
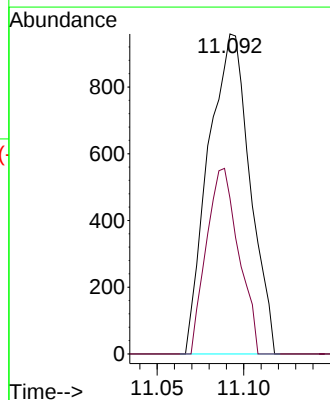
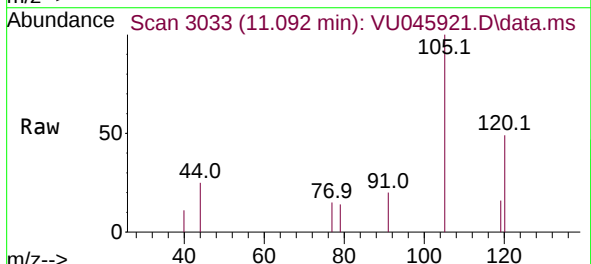
Instrument :
MSVOA_U
ClientSampleId :

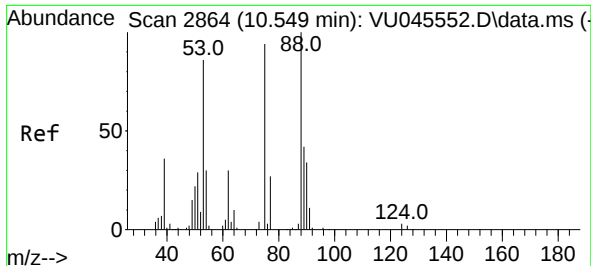
Tgt Ion: 75 Resp: 57847
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.244 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 105 Resp: 1602
Ion Ratio Lower Upper
105 100
120 45.0 23.9 71.8

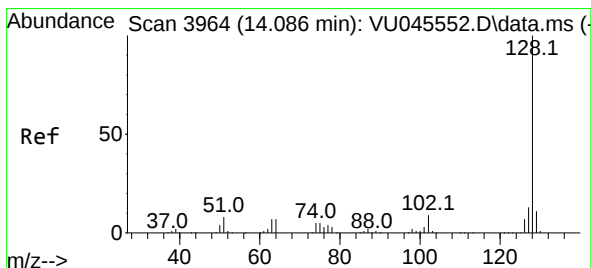
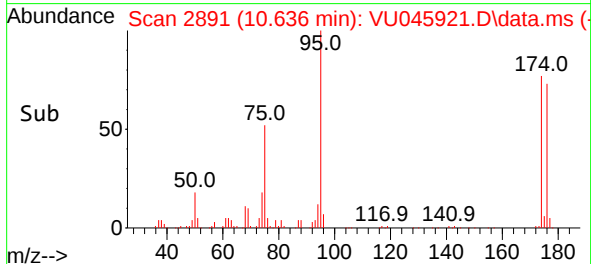
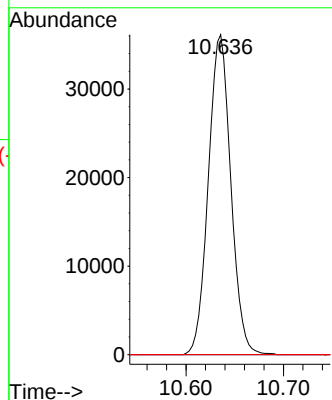
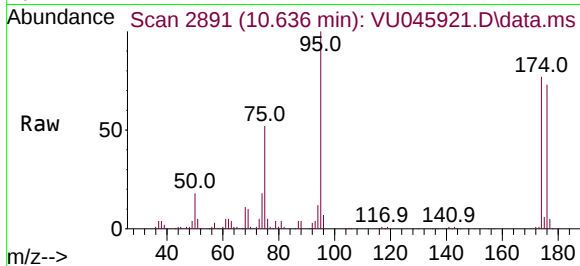




#81
trans-1,4-Dichloro-2-butene
Concen: 54.080 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 57847
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.041 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045921.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

