

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045780.D
 Acq On : 12 Nov 2021 19:26
 Operator : SY/MD
 Sample : M4644-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 G-11

Quant Time: Nov 15 05:24:06 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	117123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	221535	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	231381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	108833	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	96868	55.225	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.460%	
35) Dibromofluoromethane	5.292	113	75833	51.271	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	7.899	98	296249	53.864	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.720%	
62) 4-Bromofluorobenzene	10.636	95	108811	49.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.680%	

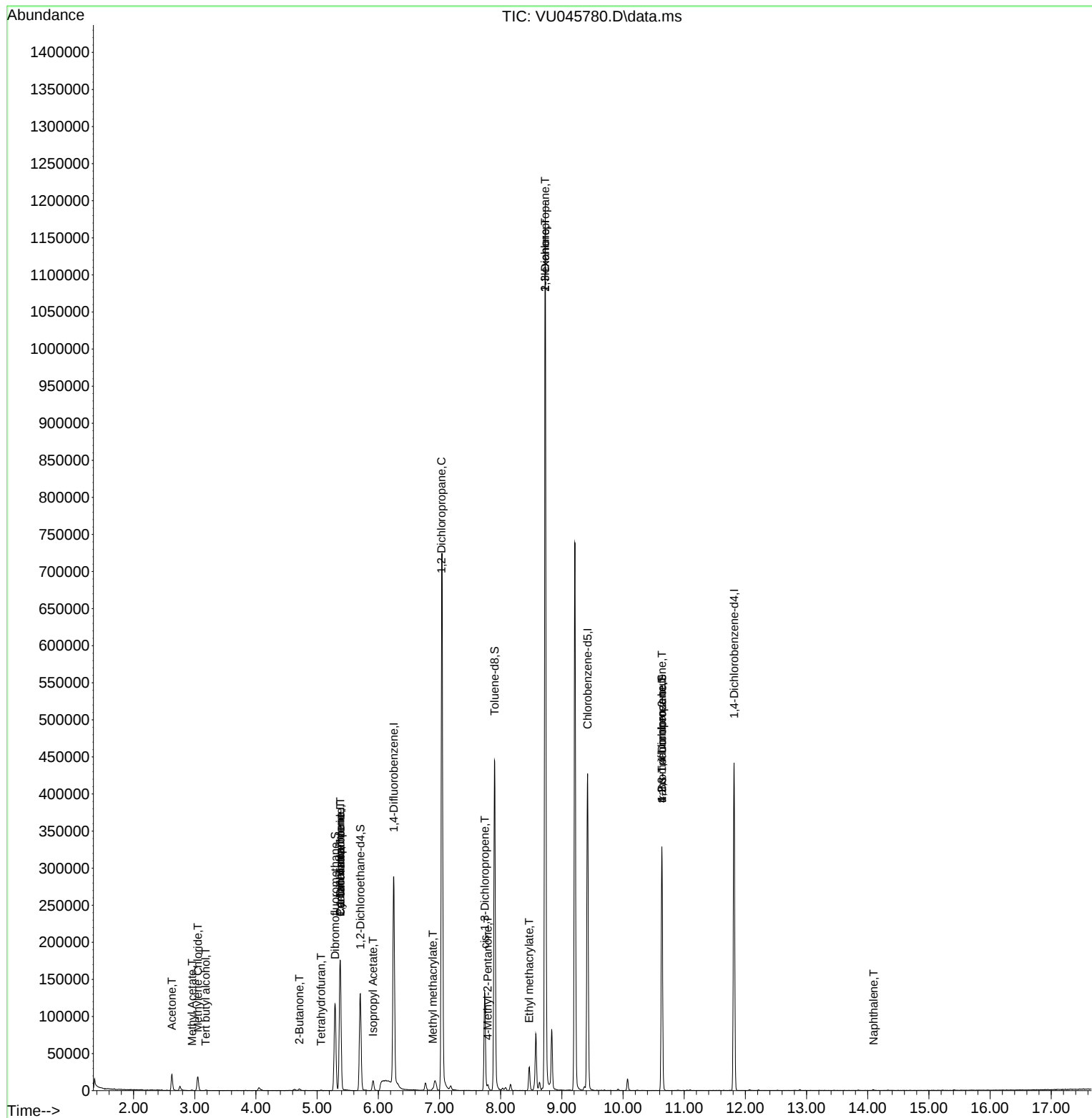
Target Compounds						Qvalue
11) Tert butyl alcohol	3.179	59	657	1.892	ug/l #	72
16) Acetone	2.626	43	24040	26.924	ug/l	98
18) Methyl Acetate	2.954	43	1029	0.338	ug/l #	72
20) Methylene Chloride	3.047	84	8912	5.744	ug/l	94
25) 2-Butanone	4.710	43	3437	2.775	ug/l	99
29) Tetrahydrofuran	5.067	42	651	0.859	ug/l #	56
31) Cyclohexane	5.379	56	2591	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	10498	4.860	ug/l #	50
38) Carbon Tetrachloride	5.379	117	12394	5.691	ug/l #	16
43) Isopropyl Acetate	5.916	43	14819	3.905	ug/l	98
45) 1,2-Dichloropropane	7.034	63	790	0.467	ug/l #	43
48) Methyl methacrylate	6.893	41	4327	2.477	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	4947	1.976	ug/l	91
54) cis-1,3-Dichloropropene	7.742	75	24994	9.203	ug/l #	61
56) Ethyl methacrylate	8.465	69	111	2.460	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	12087	4.136	ug/l #	42
59) 2-Hexanone	8.729	43	153985	76.089	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	57126	17.309	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	57126	56.301	ug/l #	12
95) Naphthalene	14.095	128	1468	1.192	ug/l #	88

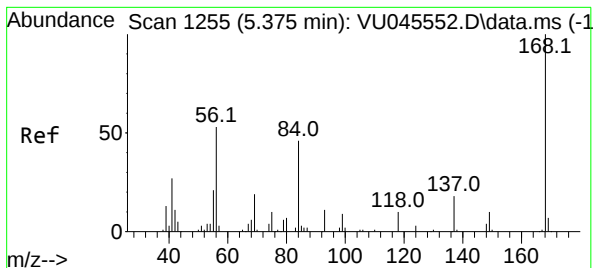
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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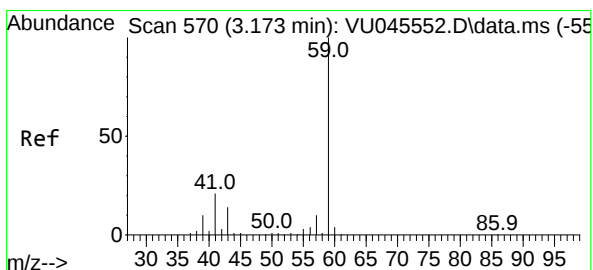
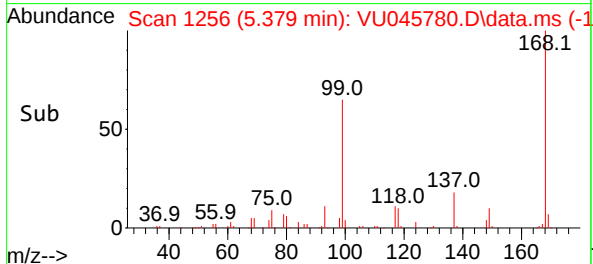
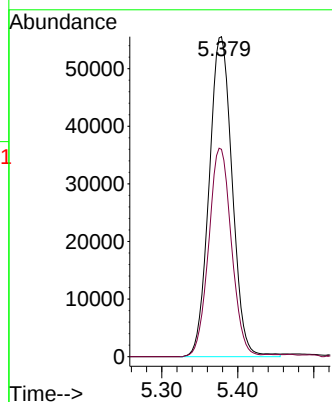
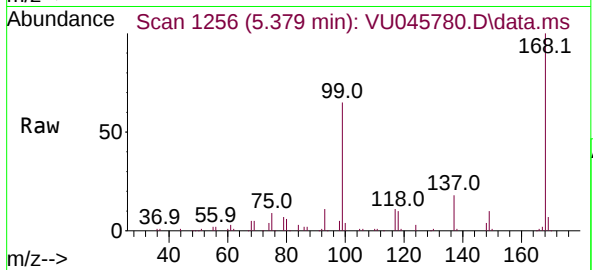




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

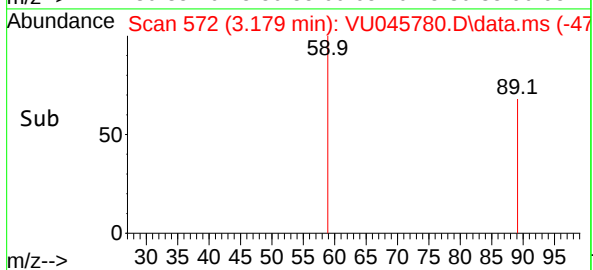
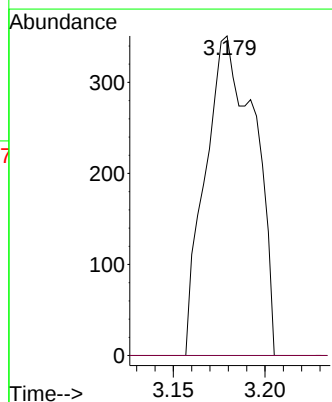
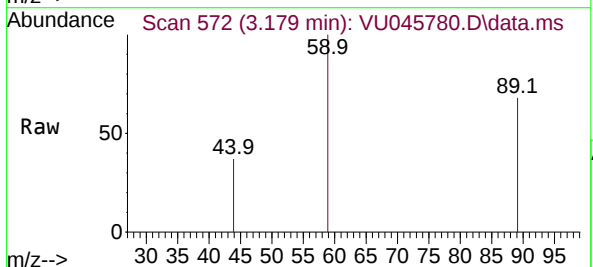
Instrument :
MSVOA_U
ClientSampleId :
G-11

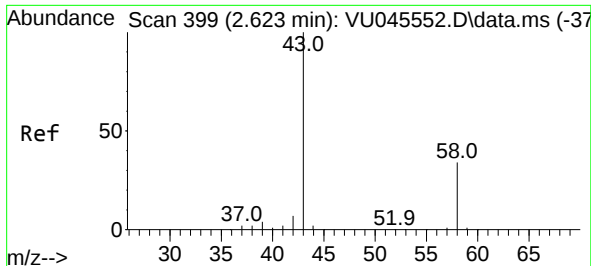
Tgt Ion:168 Resp: 117123
Ion Ratio Lower Upper
168 100
99 64.8 51.0 76.6



#11
Tert butyl alcohol
Concen: 1.892 ug/l
RT: 3.179 min Scan# 572
Delta R.T. 0.007 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 26.924 ug/l

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

Instrument :

MSVOA_U

ClientSampleId :

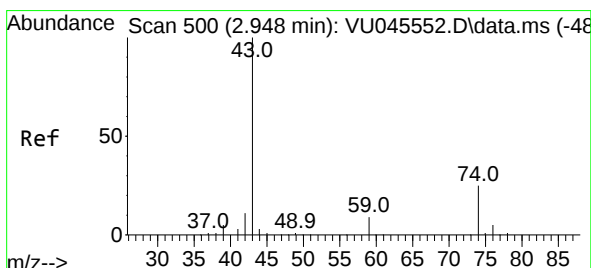
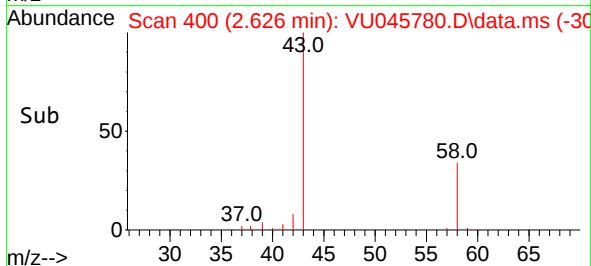
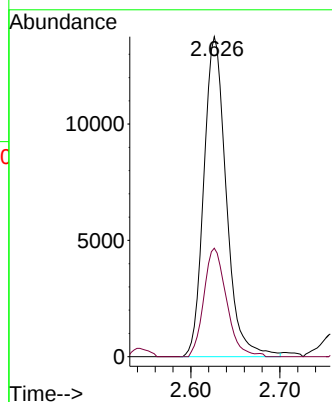
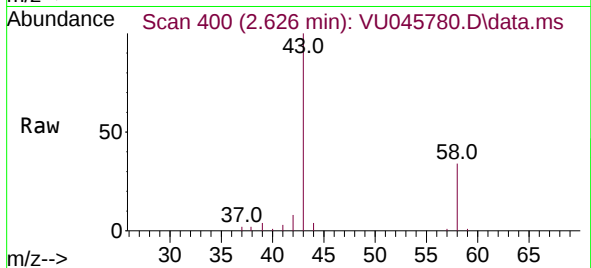
G-11

Tgt Ion: 43 Resp: 24040

Ion Ratio Lower Upper

43 100

58 33.9 26.2 39.2



#18

Methyl Acetate

Concen: 0.338 ug/l

RT: 2.954 min Scan# 502

Delta R.T. 0.007 min

Lab File: VU045780.D

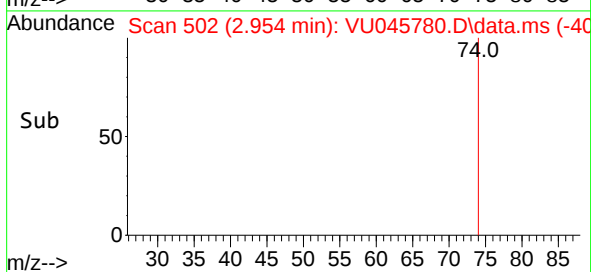
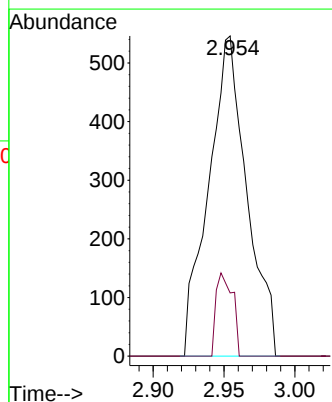
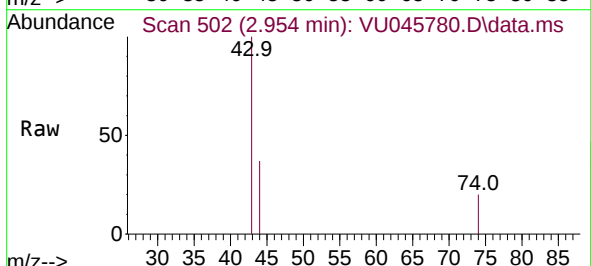
Acq: 12 Nov 2021 19:26

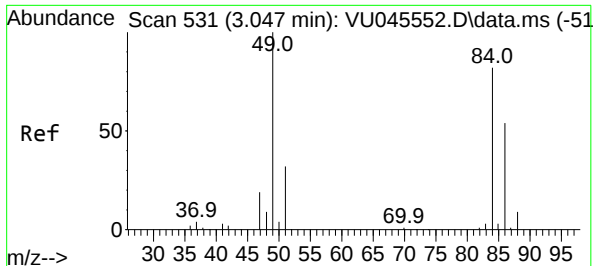
Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

74 11.2 20.2 30.2#

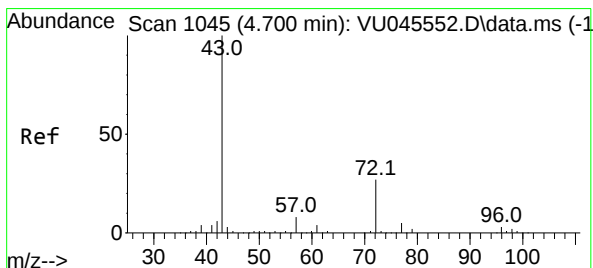
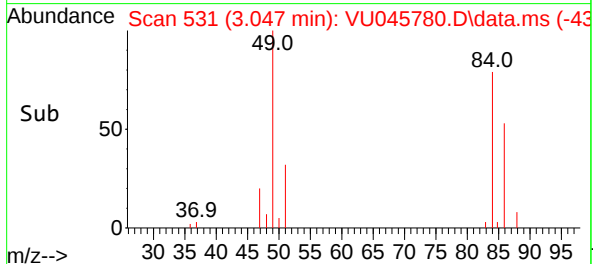
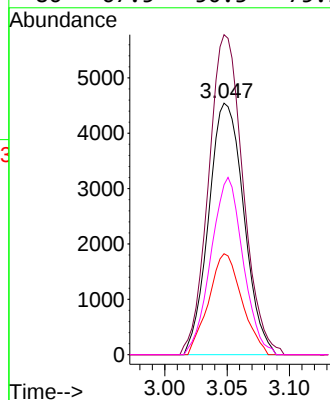
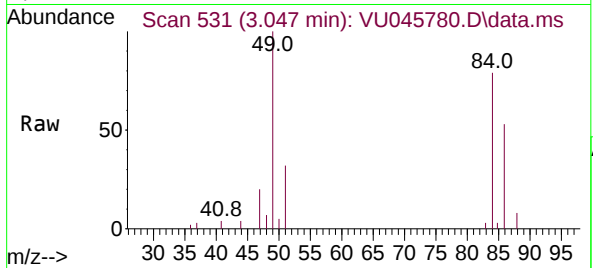




#20
Methylene Chloride
Concen: 5.744 ug/l
RT: 3.047 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

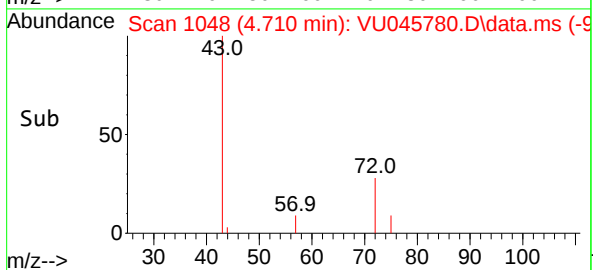
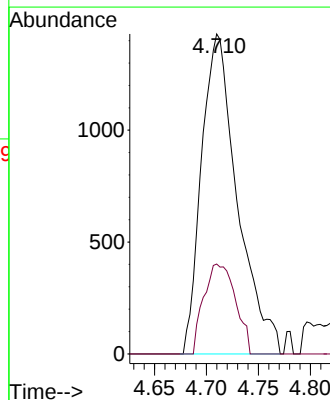
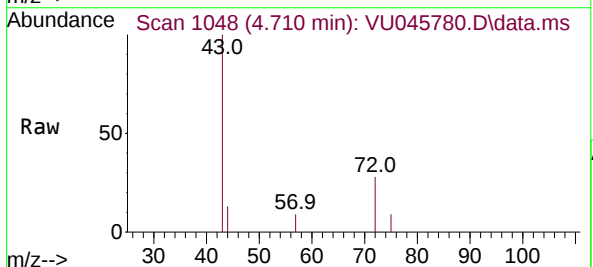
Instrument :
MSVOA_U
ClientSampleId :
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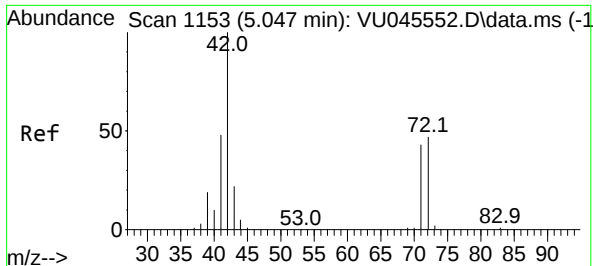
Tgt Ion:	84	Resp:	8912
Ion	Ratio	Lower	Upper
84	100		
49	127.2	96.4	144.6
51	40.1	30.5	45.7
86	67.5	50.3	75.5



#25
2-Butanone
Concen: 2.775 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.010 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Tgt Ion:	43	Resp:	3437
Ion	Ratio	Lower	Upper
43	100		
72	28.1	22.0	33.0





#29

Tetrahydrofuran

Concen: 0.859 ug/l

RT: 5.067 min Scan# 1153

Delta R.T. 0.019 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

Instrument :

MSVOA_U

ClientSampleId :

G-11

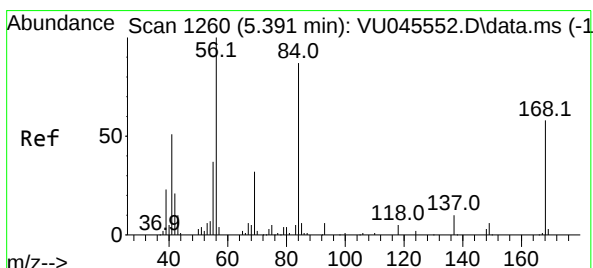
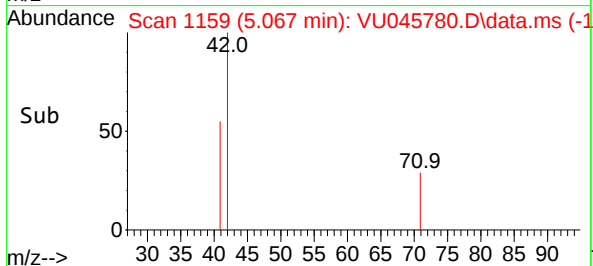
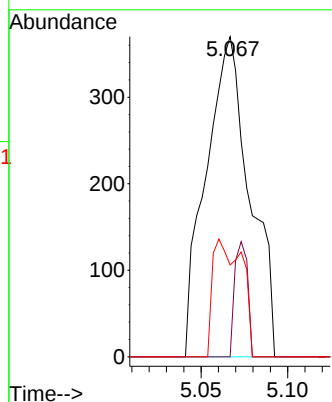
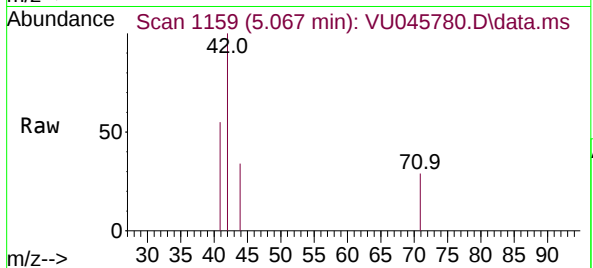
Tgt Ion: 42 Resp: 651

Ion Ratio Lower Upper

42 100

72 10.6 38.2 57.4#

71 24.3 35.4 53.2#



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

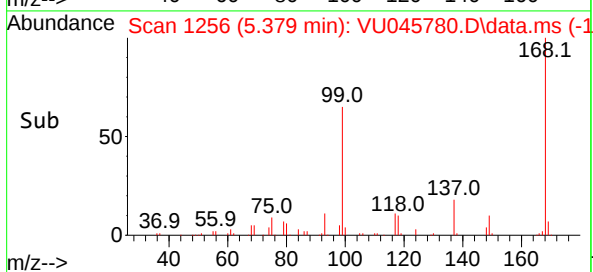
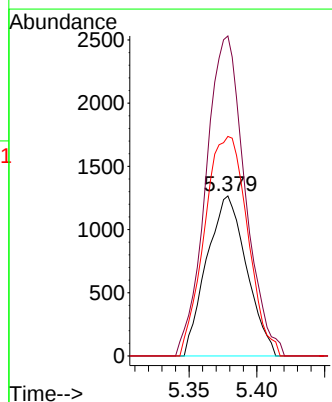
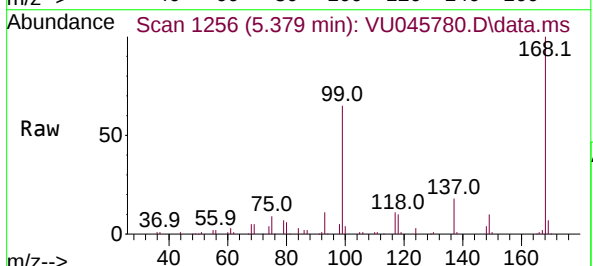
Tgt Ion: 56 Resp: 2591

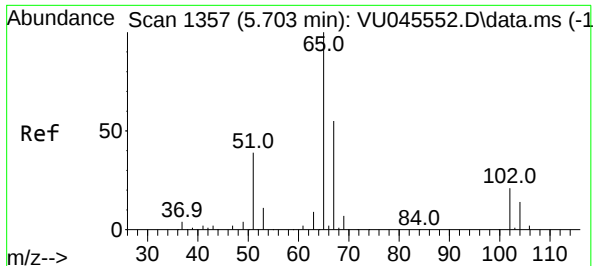
Ion Ratio Lower Upper

56 100

69 192.0 26.4 39.6#

84 137.2 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 55.225 ug/l

RT: 5.707 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

Instrument :

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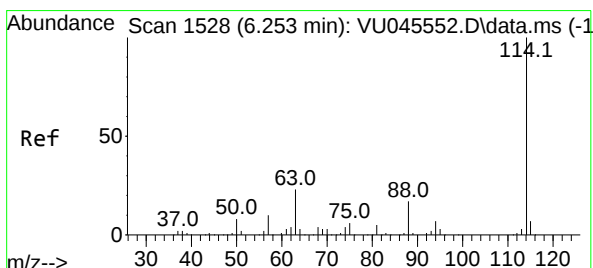
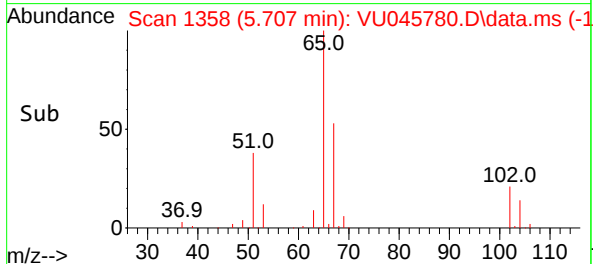
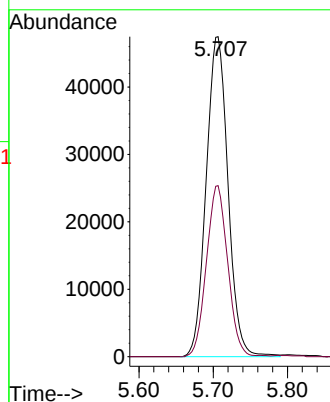
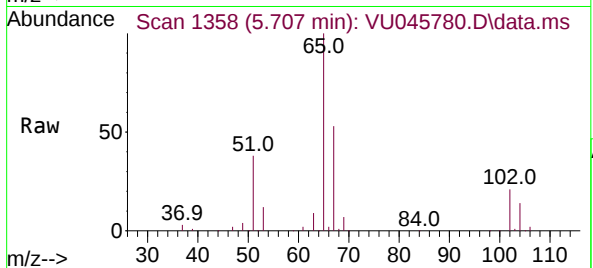
G-11

Tgt Ion: 65 Resp: 96868

Ion Ratio Lower Upper

65 100

67 52.0 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: VU045780.D

Acq: 12 Nov 2021 19:26

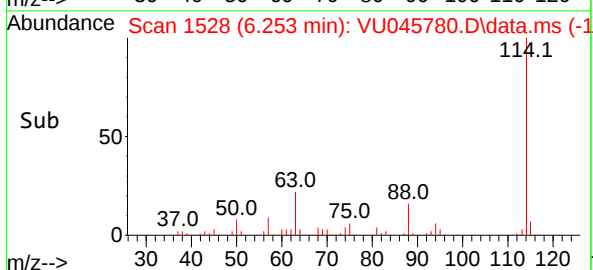
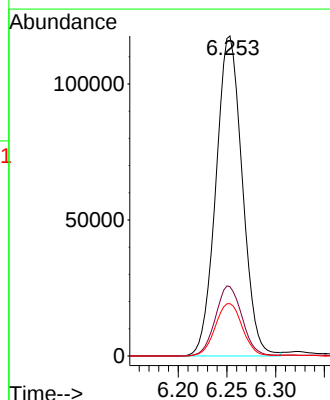
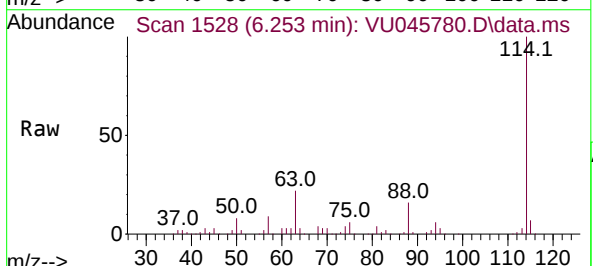
Tgt Ion: 114 Resp: 221535

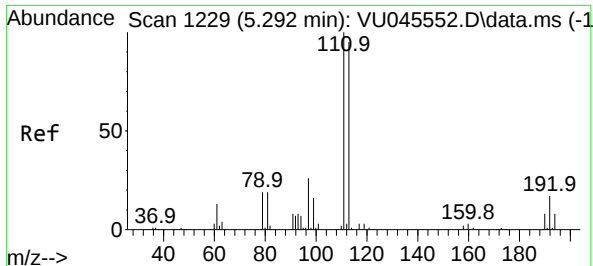
Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.6

88 16.4 0.0 33.8

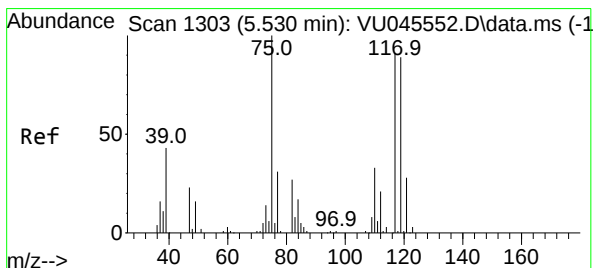
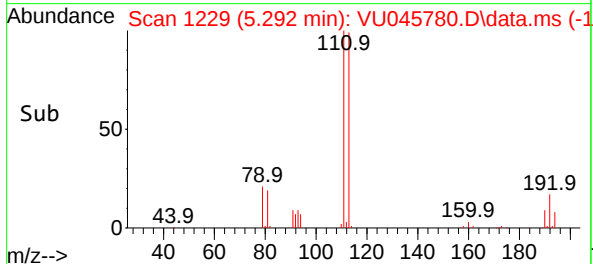
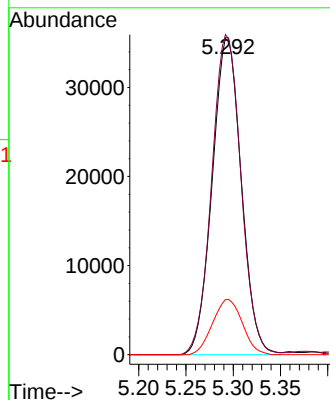
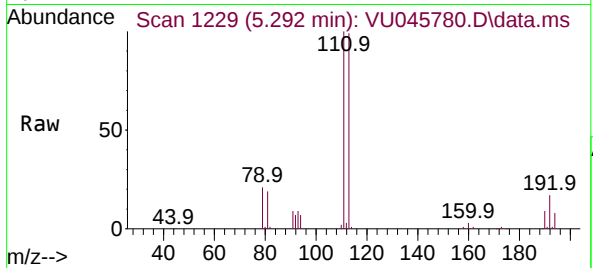




#35
Dibromofluoromethane
Concen: 51.271 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

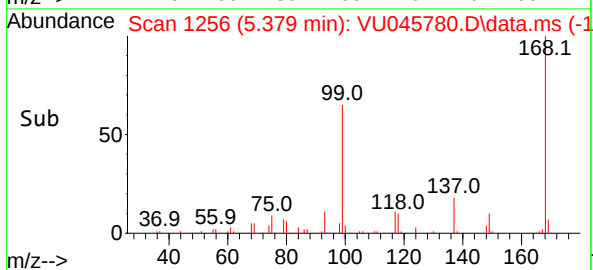
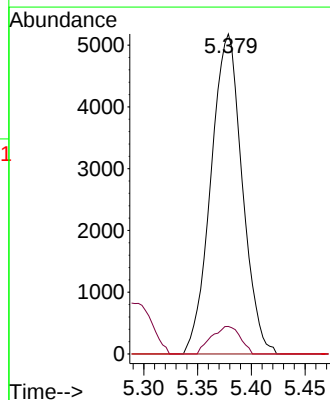
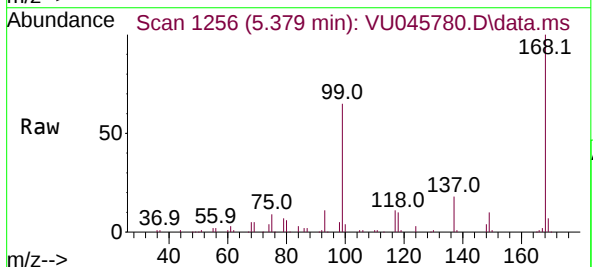
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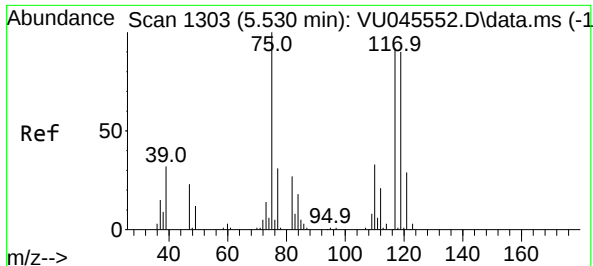
Tgt Ion:113 Resp: 75833
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 17.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.860 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Tgt Ion: 75 Resp: 10498
Ion Ratio Lower Upper
75 100
110 7.9 16.7 50.0#
77 0.0 25.0 37.4#

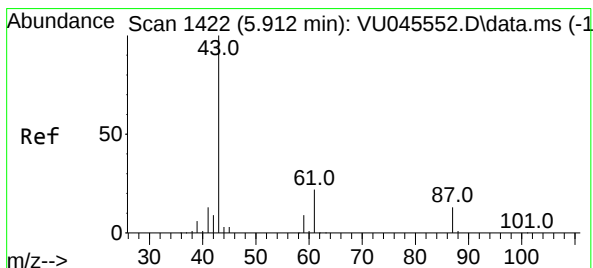
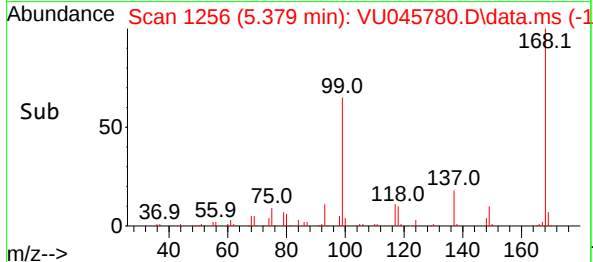
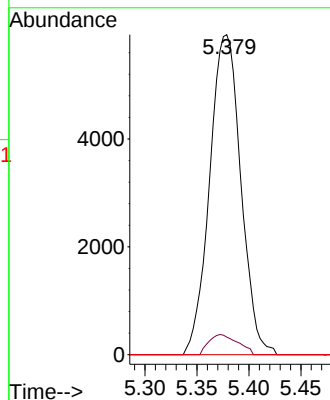
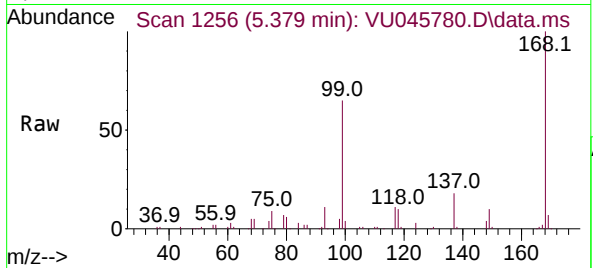




#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

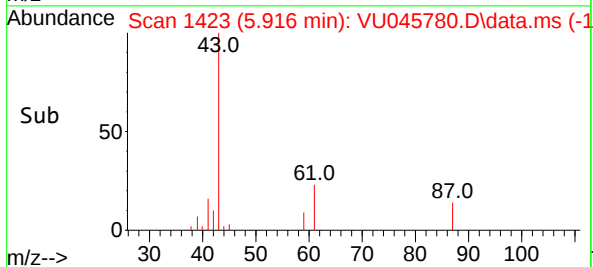
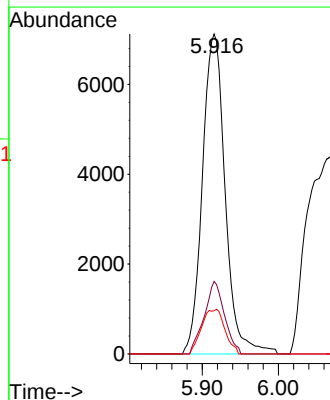
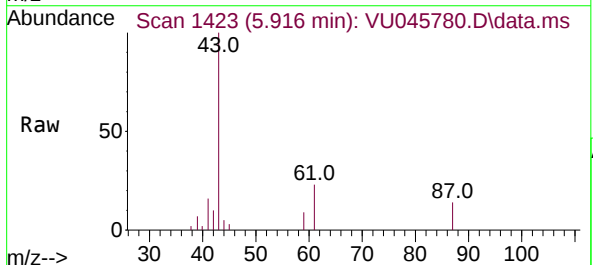
Instrument :
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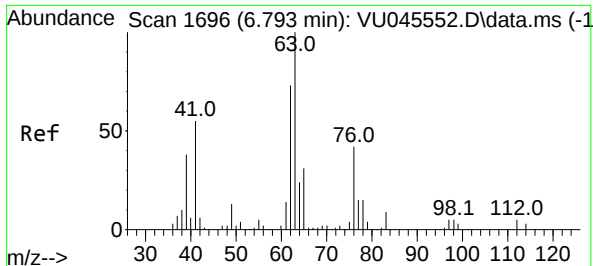
Tgt Ion:117 Resp: 12394
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.905 ug/l
RT: 5.916 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Tgt Ion: 43 Resp: 14819
Ion Ratio Lower Upper
43 100
61 20.1 16.9 25.3
87 14.2 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.467 ug/l

RT: 7.034 min Scan# 1

Delta R.T. 0.241 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

Instrument :

MSVOA_U

ClientSampleId :

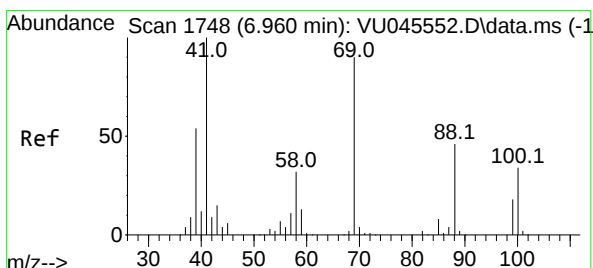
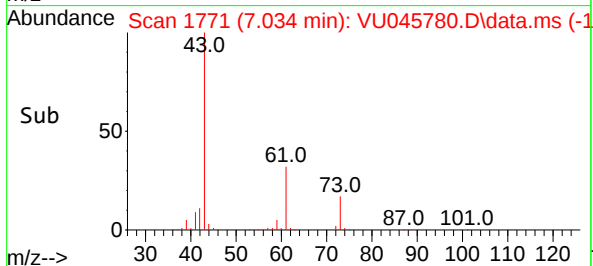
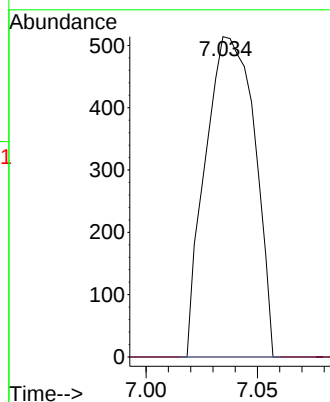
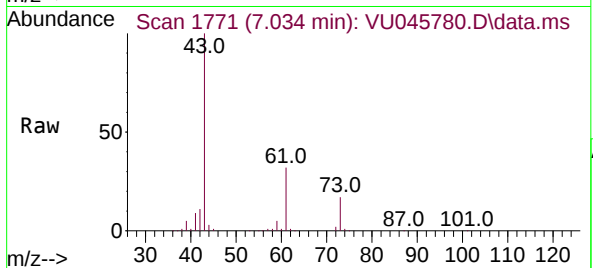
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Tgt Ion: 63 Resp: 790

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 2.477 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.067 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

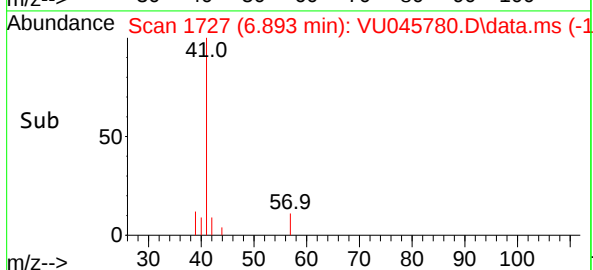
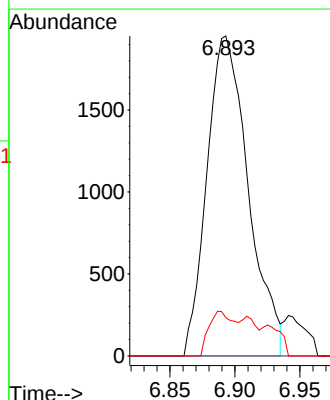
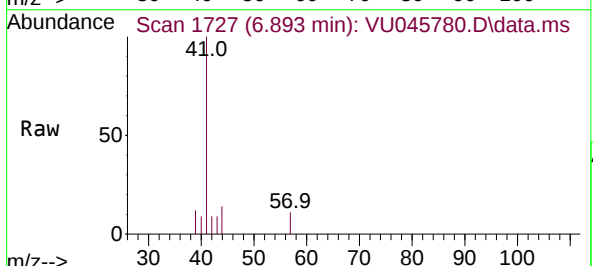
Tgt Ion: 41 Resp: 4327

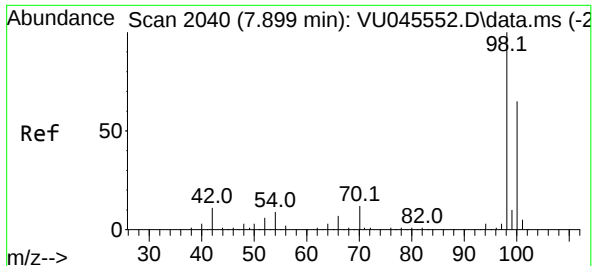
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#

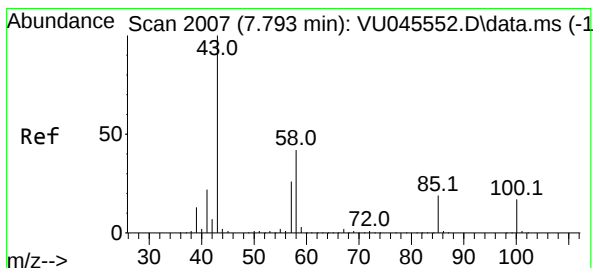
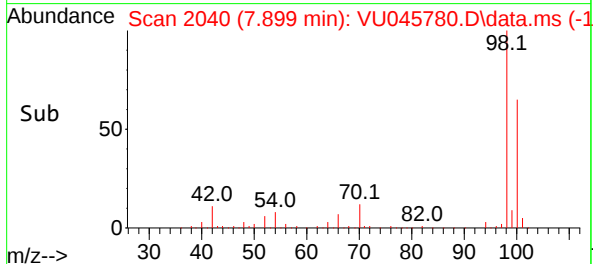
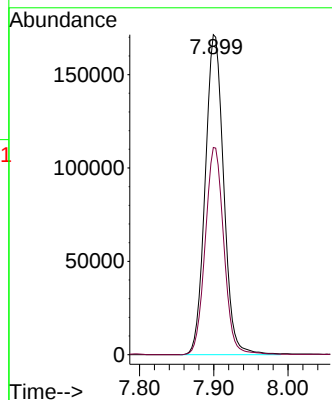
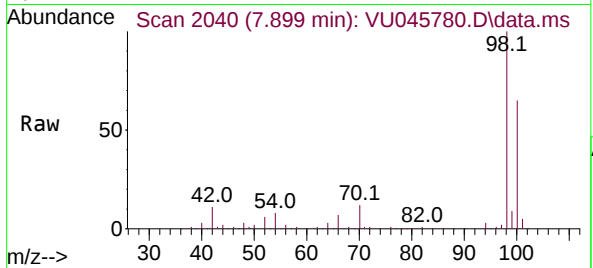




#50
Toluene-d8
Concen: 53.864 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

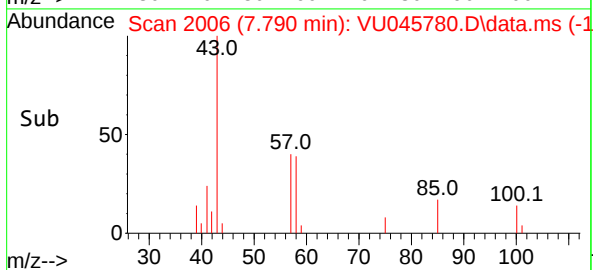
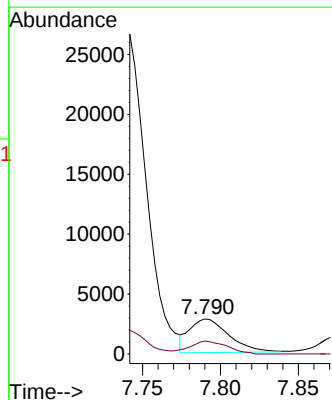
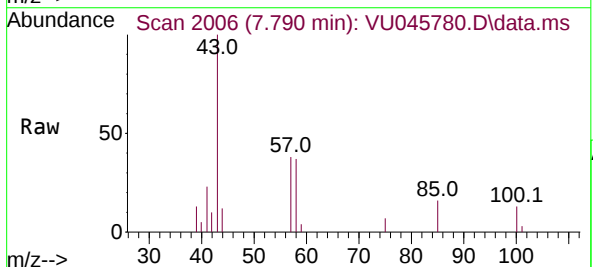
Instrument :
MSVOA_U
ClientSampleId :
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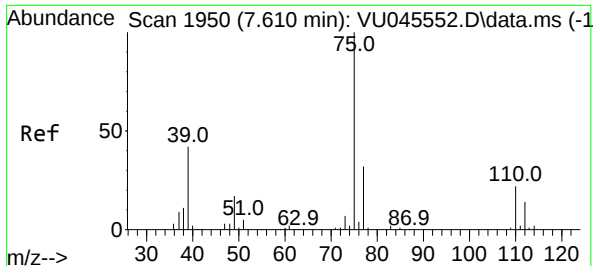
Tgt Ion: 98 Resp: 296249
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.976 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Tgt Ion: 43 Resp: 4947
Ion Ratio Lower Upper
43 100
58 36.8 33.8 50.8

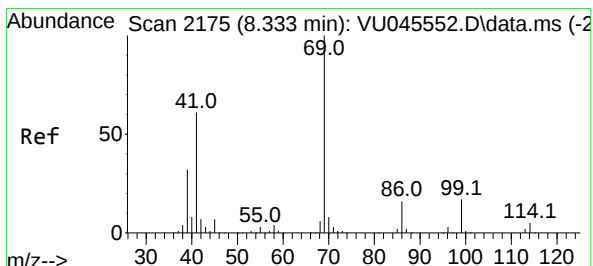
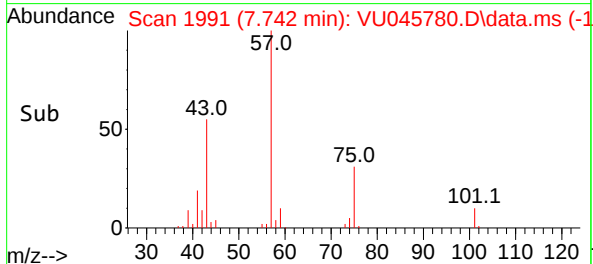
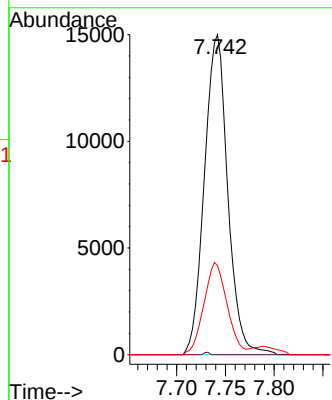
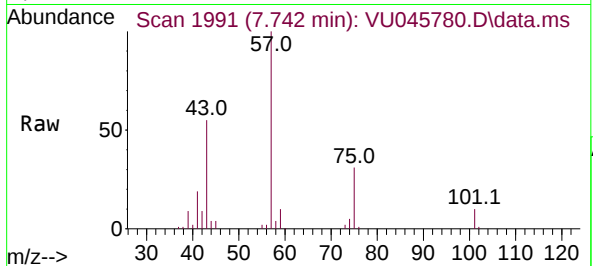




#54
 cis-1,3-Dichloropropene
 Concen: 9.203 ug/l
 RT: 7.742 min Scan# 1950
 Delta R.T. 0.132 min
 Lab File: VU045780.D
 Acq: 12 Nov 2021 19:26

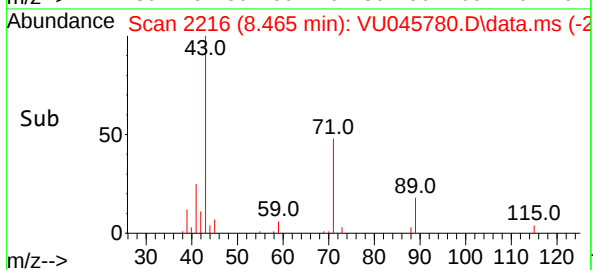
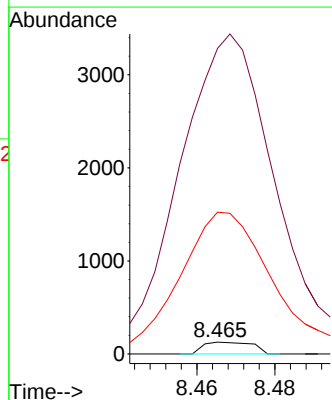
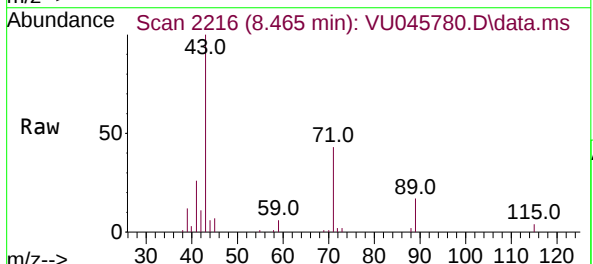
Instrument :
 MSVOA_U
 ClientSampleId :
 G-11

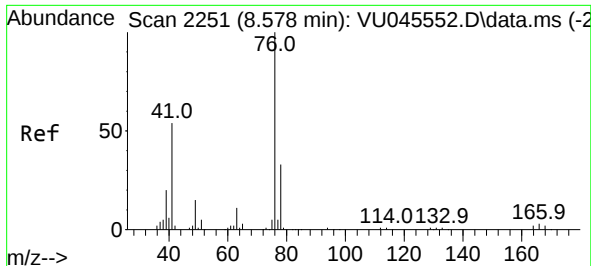
Tgt Ion: 75 Resp: 24994
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 27.9 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.460 ug/l
 RT: 8.465 min Scan# 2216
 Delta R.T. 0.132 min
 Lab File: VU045780.D
 Acq: 12 Nov 2021 19:26

Tgt Ion: 69 Resp: 111
 Ion Ratio Lower Upper
 69 100
 41 5459.5 51.0 76.4#
 39 2284.7 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 4.136 ug/l

RT: 8.729 min Scan# 21

Delta R.T. 0.151 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

Instrument :

MSVOA_U

ClientSampleId :

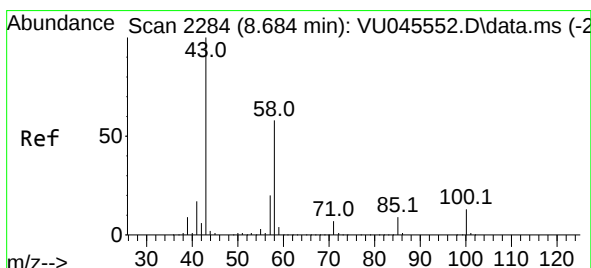
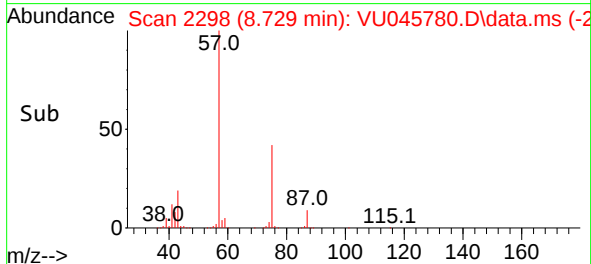
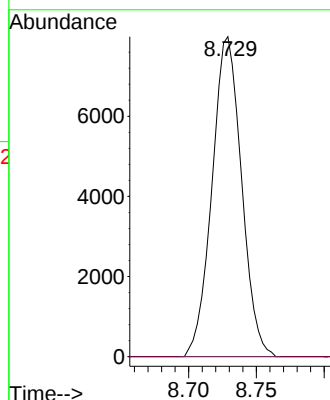
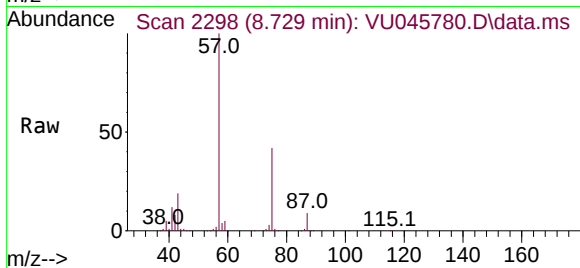
G-11

Tgt Ion: 76 Resp: 12087

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 76.089 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045780.D

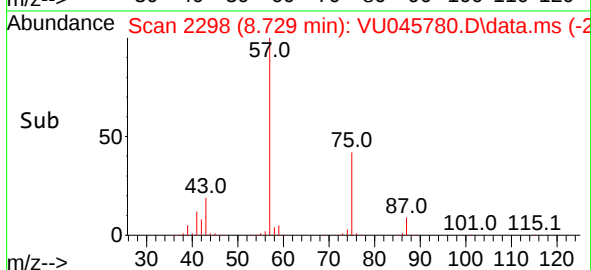
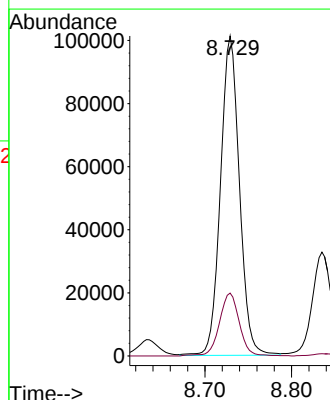
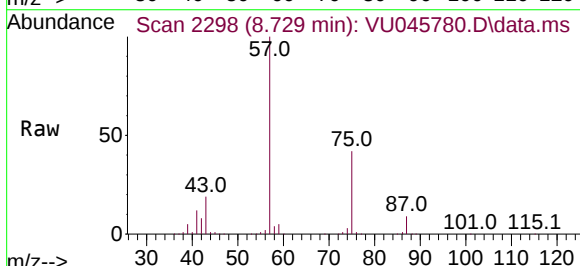
Acq: 12 Nov 2021 19:26

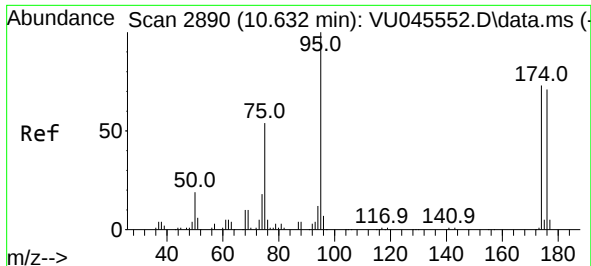
Tgt Ion: 43 Resp: 153985

Ion Ratio Lower Upper

43 100

58 20.7 29.5 88.6#





#62

4-Bromofluorobenzene

Concen: 49.338 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045780.D

Acq: 12 Nov 2021 19:26

Instrument :

MSVOA_U

ClientSampleId :

G-11

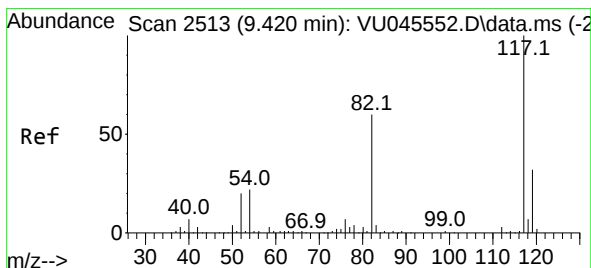
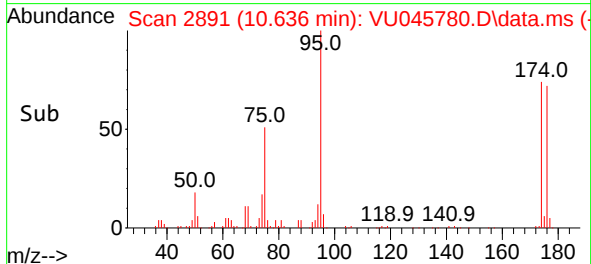
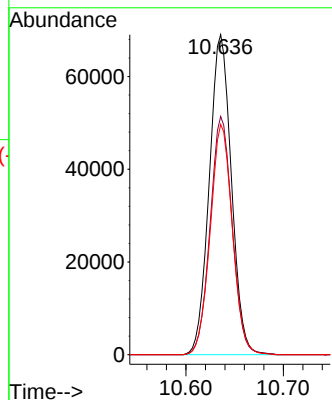
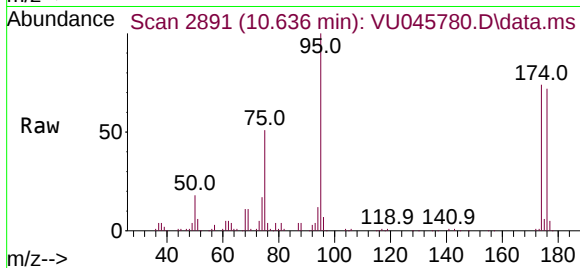
Tgt Ion: 95 Resp: 108811

Ion Ratio Lower Upper

95 100

174 74.4 0.0 141.8

176 71.8 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: VU045780.D

Acq: 12 Nov 2021 19:26

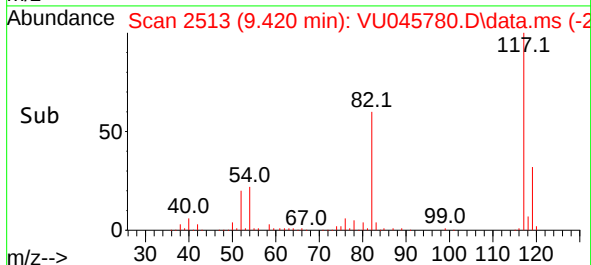
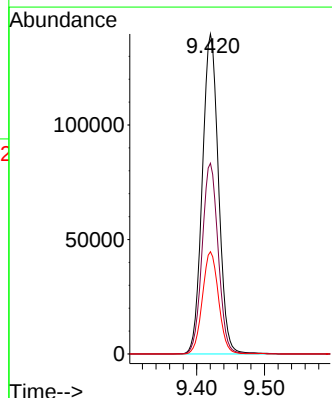
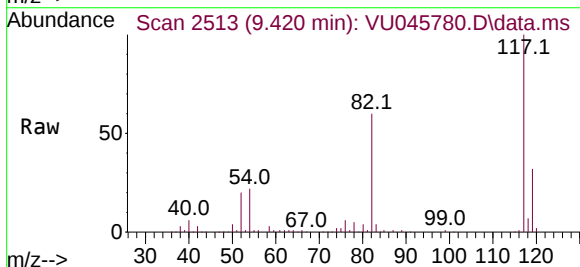
Tgt Ion: 117 Resp: 231381

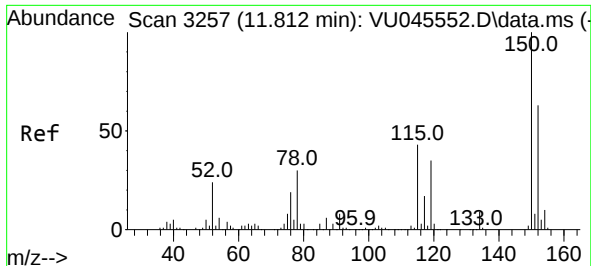
Ion Ratio Lower Upper

117 100

82 59.6 47.8 71.8

119 31.9 25.8 38.8

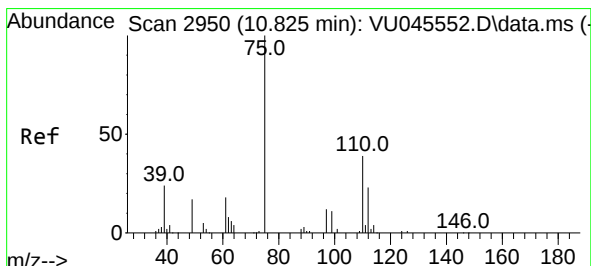
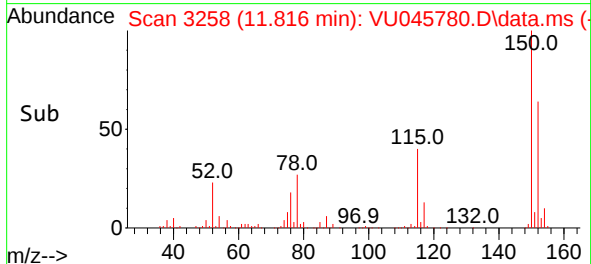
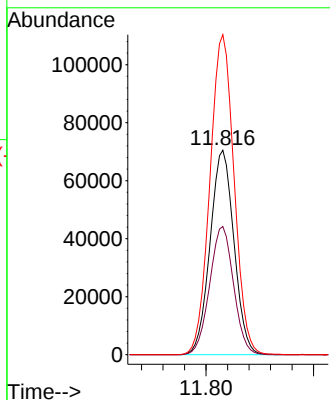
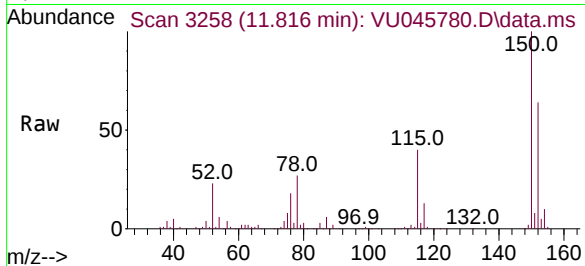




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045780.D
 Acq: 12 Nov 2021 19:26

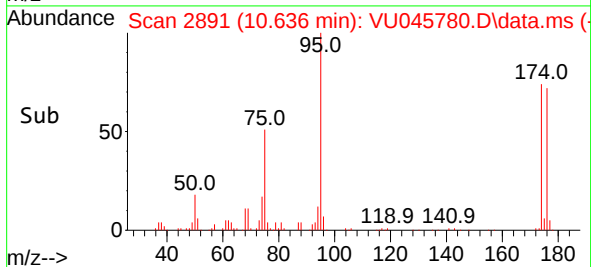
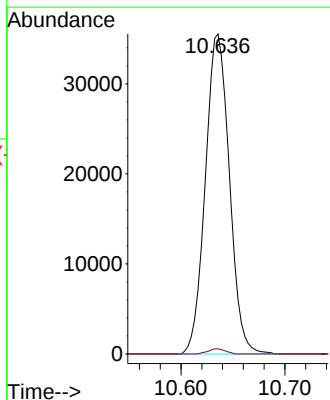
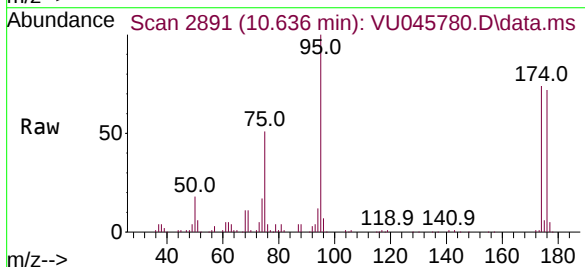
Instrument :
 MSVOA_U
 ClientSampleId :
 G-11

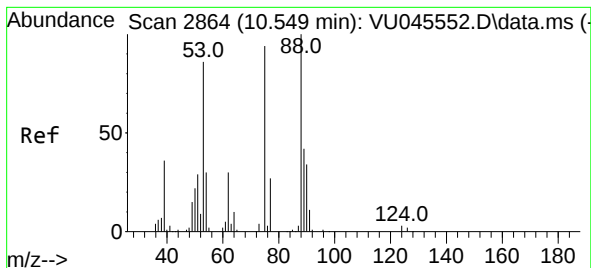
Tgt Ion:152 Resp: 108833
 Ion Ratio Lower Upper
 152 100
 115 62.6 42.7 128.1
 150 158.0 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.309 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045780.D
 Acq: 12 Nov 2021 19:26

Tgt Ion: 75 Resp: 57126
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

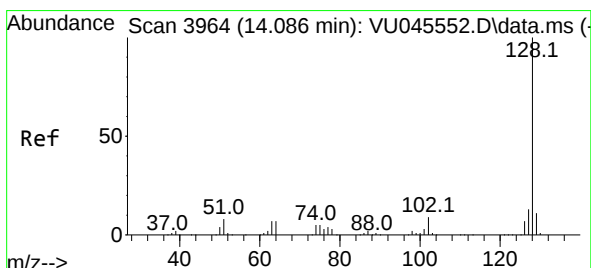
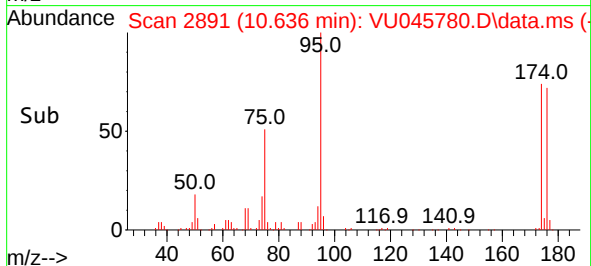
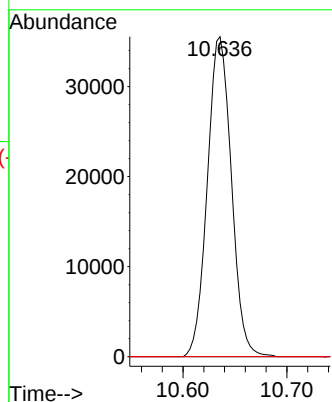
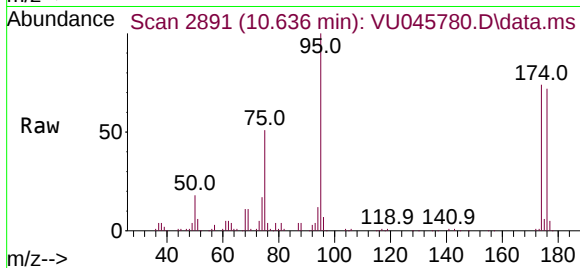




#81
trans-1,4-Dichloro-2-butene
Concen: 56.301 ug/l
RT: 10.636 min Scan# 2864
Delta R.T. 0.087 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Instrument :
MSVOA_U
ClientSampleId :
G-11

Tgt Ion: 75 Resp: 57126
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.192 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU045780.D
Acq: 12 Nov 2021 19:26

Tgt Ion:128 Resp: 1468
Ion Ratio Lower Upper
128 100
127 10.1 10.6 15.8#
129 4.3 8.6 13.0#

