

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045690.D
 Acq On : 10 Nov 2021 16:08
 Operator : SY/MD
 Sample : M4497-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 346

Quant Time: Nov 10 16:38:40 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

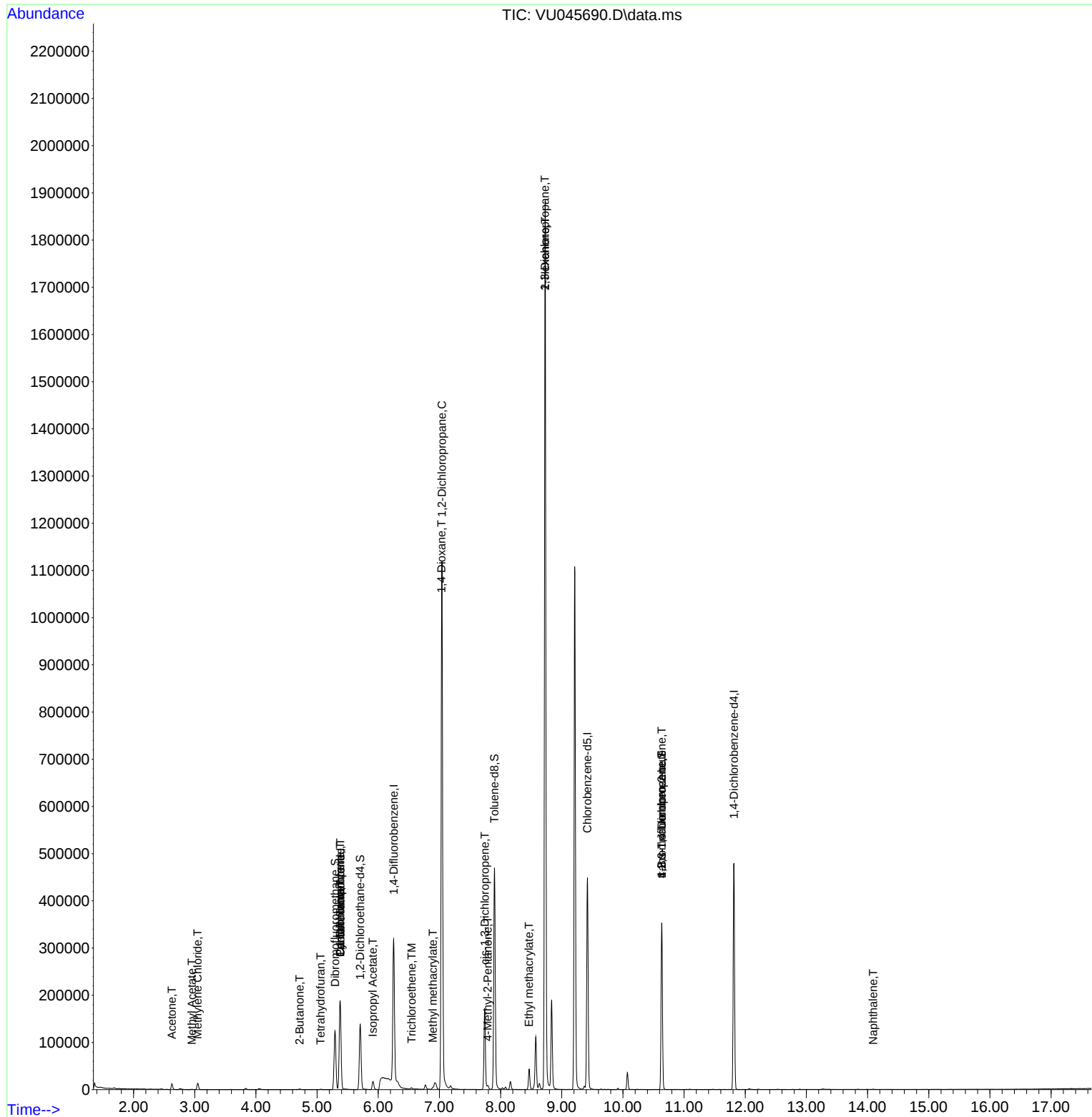
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	124787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	239141	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	242446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	118252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	102562	54.880	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.760%	
35) Dibromofluoromethane	5.295	113	80916	50.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.360%	
50) Toluene-d8	7.899	98	312015	52.554	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.100%	
62) 4-Bromofluorobenzene	10.635	95	118926	49.954	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.900%	
Target Compounds						Qvalue
16) Acetone	2.626	43	13847	14.555	ug/l	94
18) Methyl Acetate	2.951	43	981	0.303	ug/l #	58
20) Methylene Chloride	3.047	84	6574	3.977	ug/l	98
25) 2-Butanone	4.713	43	2520	1.910	ug/l	90
29) Tetrahydrofuran	5.057	42	599	0.742	ug/l #	38
31) Cyclohexane	5.378	56	2791	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10991	4.714	ug/l #	50
38) Carbon Tetrachloride	5.378	117	13769	5.857	ug/l #	16
43) Isopropyl Acetate	5.912	43	18948	4.625	ug/l	99
44) Trichloroethene	6.546	130	972	0.588	ug/l	97
45) 1,2-Dichloropropane	7.041	63	1310	0.717	ug/l #	43
48) Methyl methacrylate	6.893	41	5891	3.124	ug/l #	13
49) 1,4-Dioxane	7.034	88	42	0.866	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	4869	1.802	ug/l	93
54) cis-1,3-Dichloropropene	7.742	75	30651	10.455	ug/l #	61
56) Ethyl methacrylate	8.462	69	117	2.459	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	19249	6.101	ug/l #	42
59) 2-Hexanone	8.729	43	245826	108.919	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	62246	17.358	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	62246	56.452	ug/l #	12
95) Naphthalene	14.092	128	878	1.119	ug/l #	69

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

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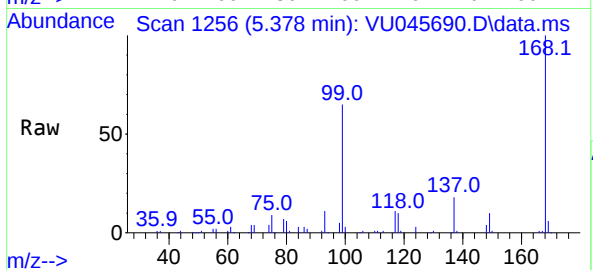
Quant Time: Nov 10 16:38:40 2021
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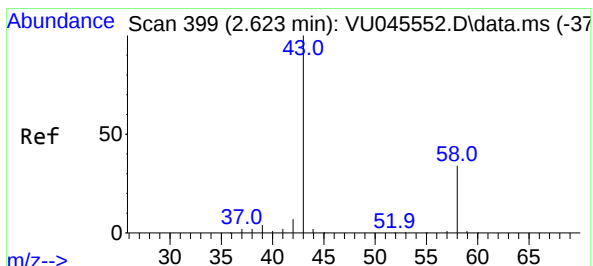
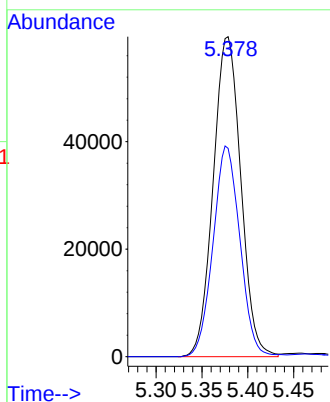
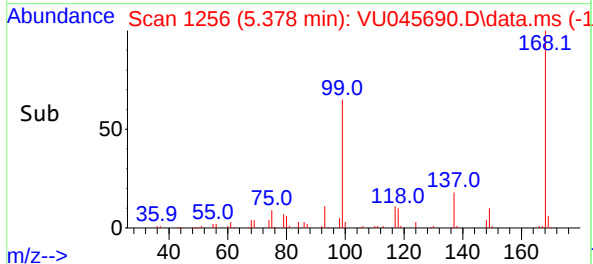


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
346

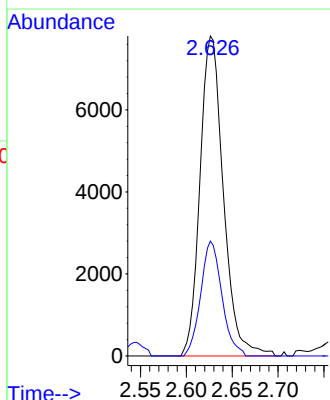
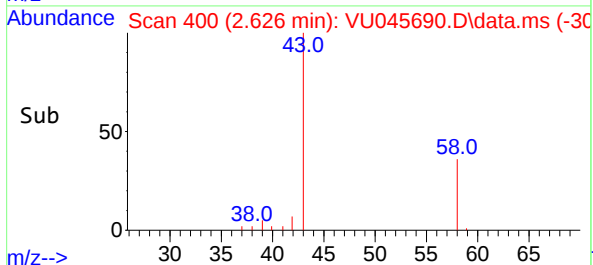
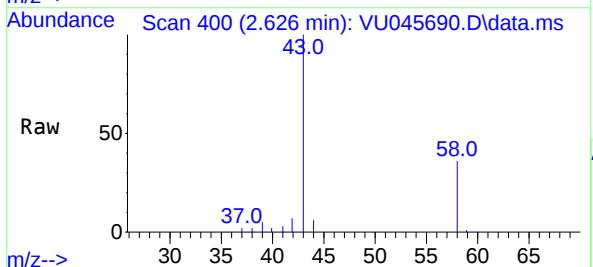


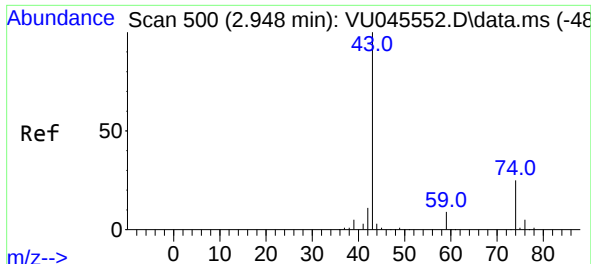
Tgt Ion:168 Resp: 124787
Ion Ratio Lower Upper
168 100
99 65.1 51.0 76.6



#16
Acetone
Concen: 14.555 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 43 Resp: 13847
Ion Ratio Lower Upper
43 100
58 35.9 26.2 39.2





#18

Methyl Acetate

Concen: 0.303 ug/l

RT: 2.951 min Scan# 500

Delta R.T. 0.003 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

Instrument :

MSVOA_U

ClientSampleId :

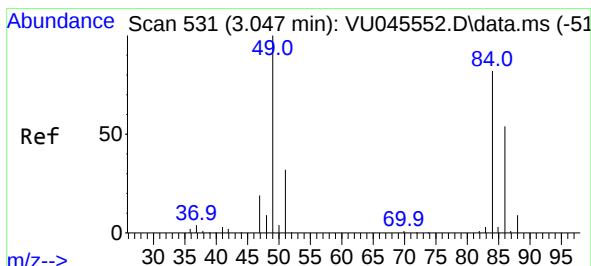
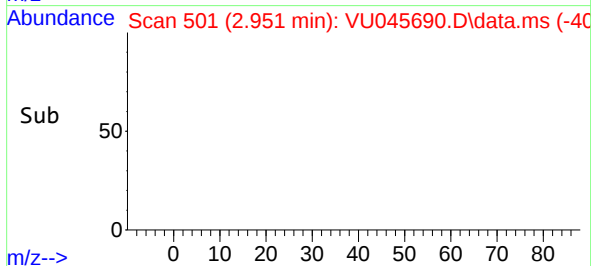
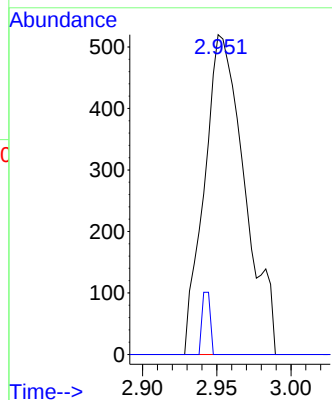
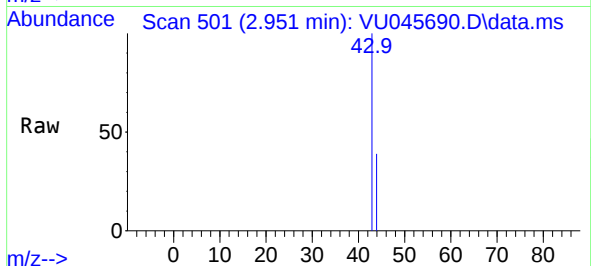
346

Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

74 4.0 20.2 30.2#



#20

Methylene Chloride

Concen: 3.977 ug/l

RT: 3.047 min Scan# 531

Delta R.T. -0.000 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

Tgt Ion: 84 Resp: 6574

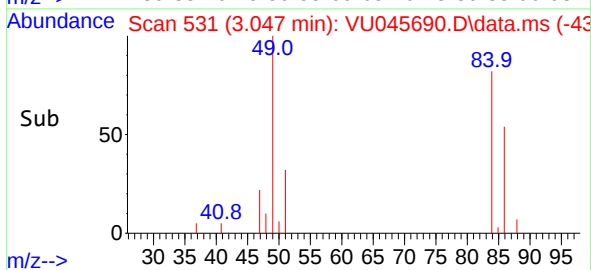
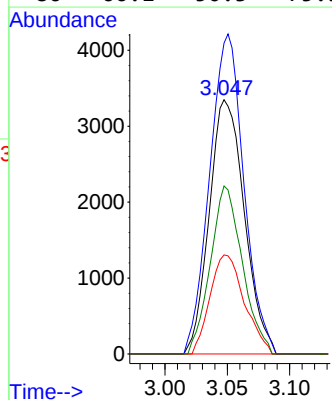
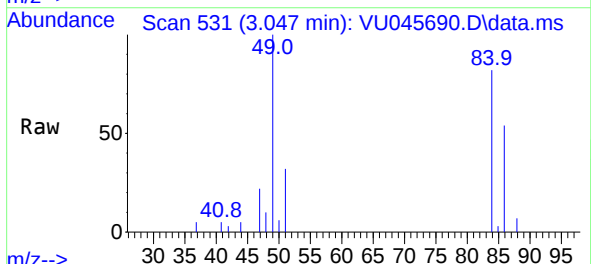
Ion Ratio Lower Upper

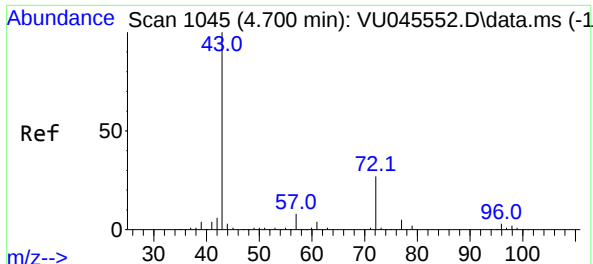
84 100

49 122.2 96.4 144.6

51 39.0 30.5 45.7

86 66.1 50.3 75.5

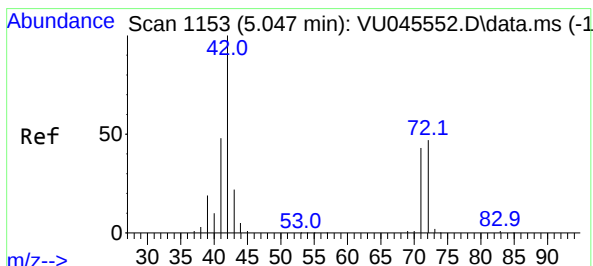
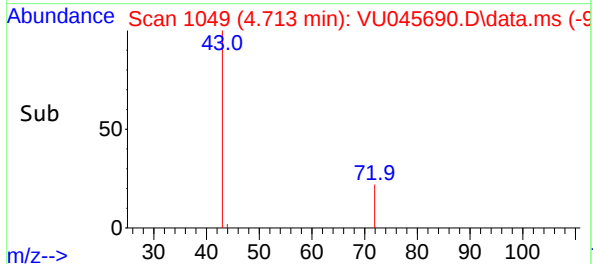
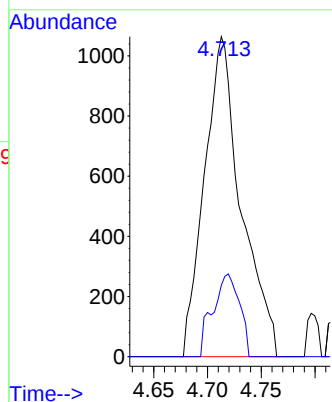
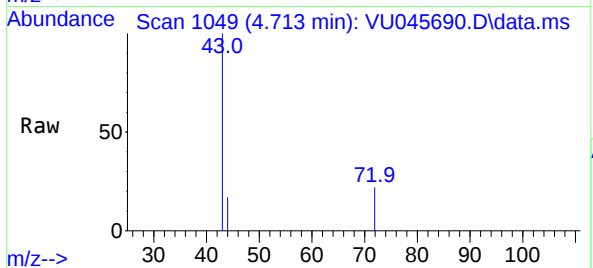




#25
2-Butanone
Concen: 1.910 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

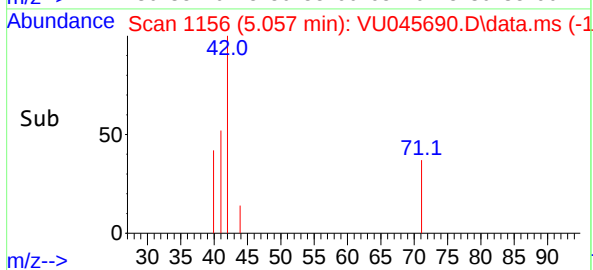
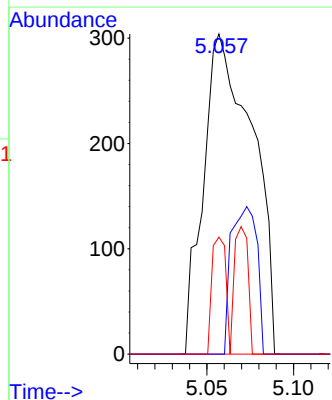
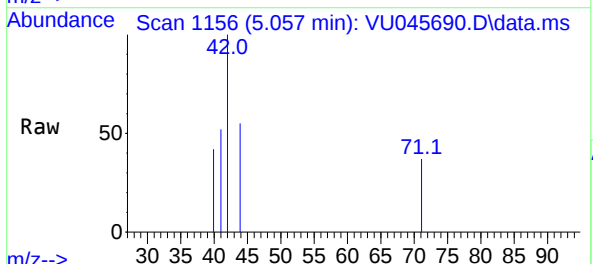
Instrument : MSVOA_U
ClientSampleId : 346

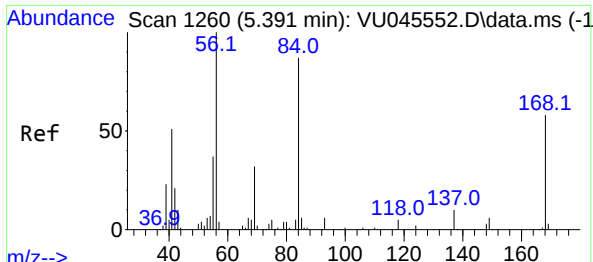
Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
72 22.3 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.742 ug/l
RT: 5.057 min Scan# 1156
Delta R.T. 0.010 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 42 Resp: 599
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.4#
71 10.2 35.4 53.2#

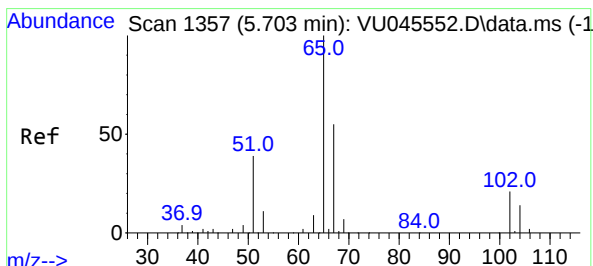
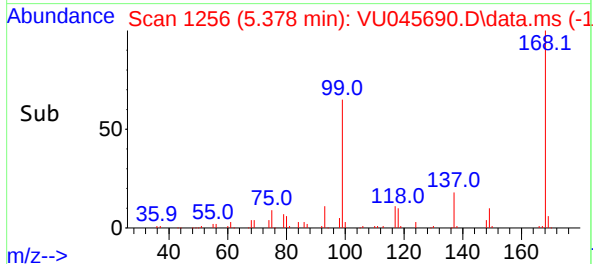
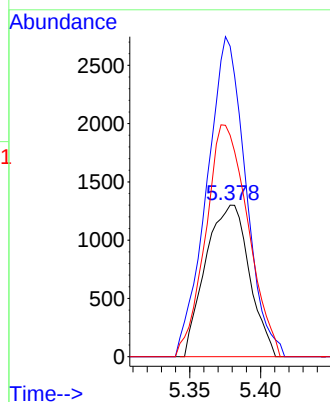
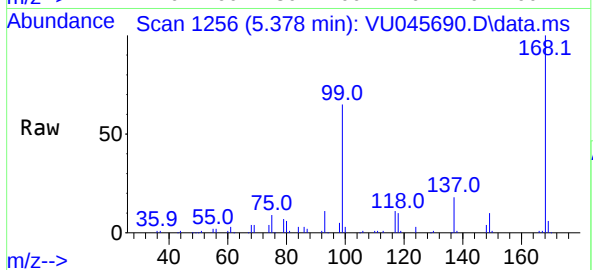




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

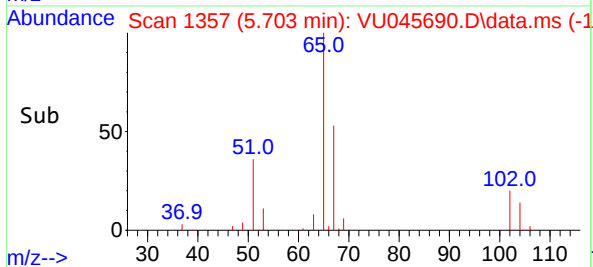
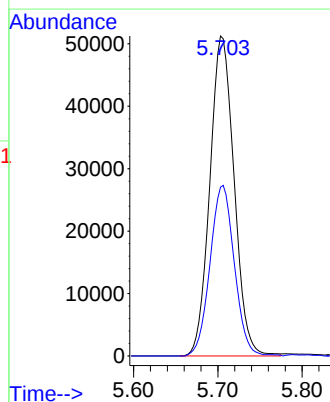
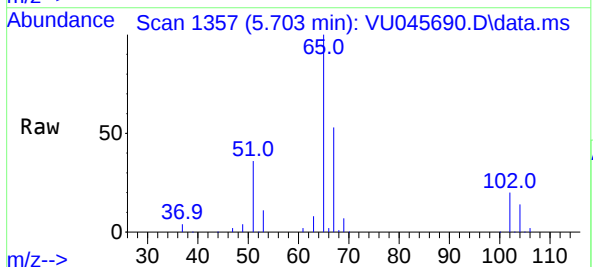
Instrument :
MSVOA_U
ClientSampleId :
346

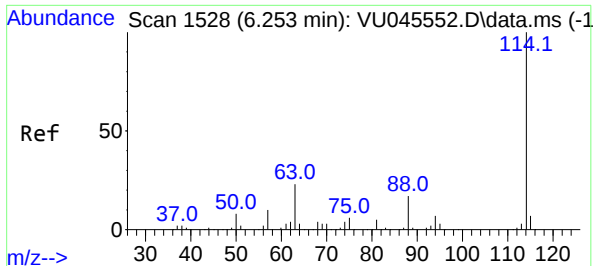
Tgt Ion: 56 Resp: 2791
Ion Ratio Lower Upper
56 100
69 196.4 26.4 39.6#
84 146.2 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 54.880 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 65 Resp: 102562
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8



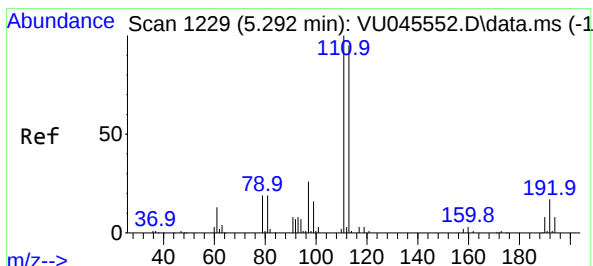
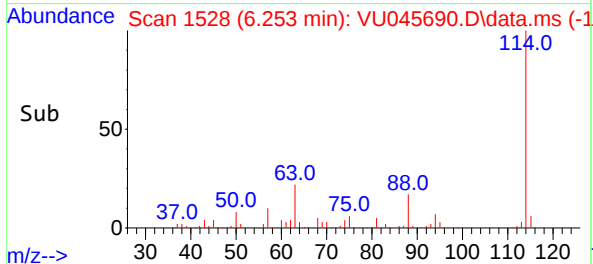
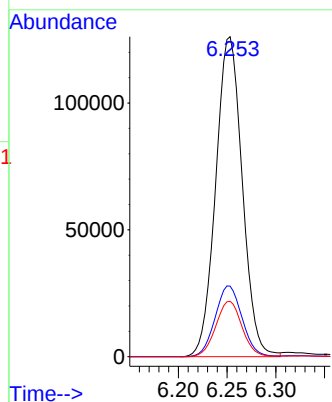
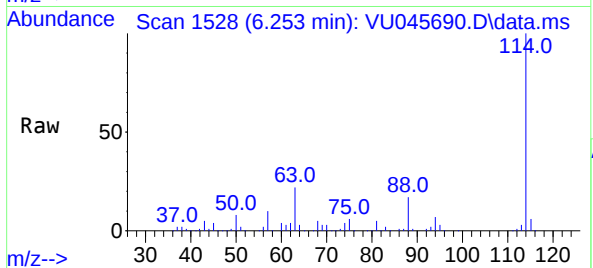


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:114 Resp: 239141

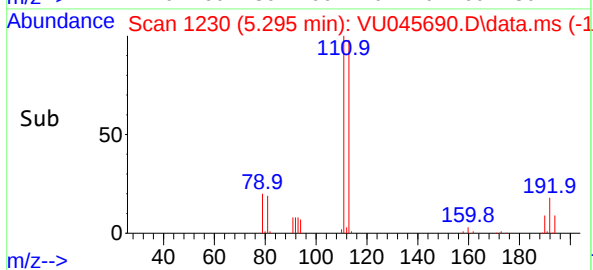
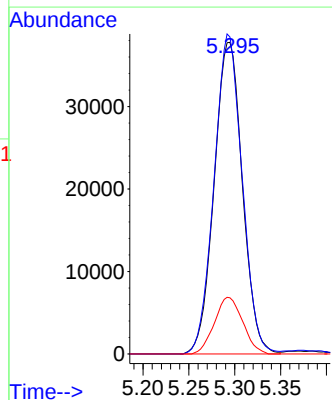
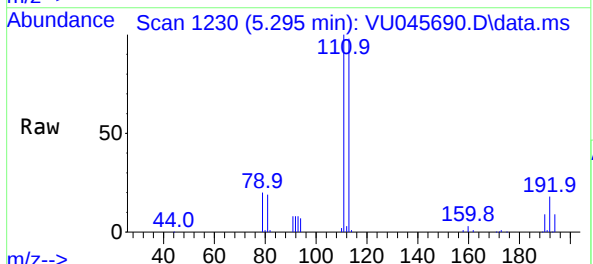
Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.6
88	17.3	0.0	33.8

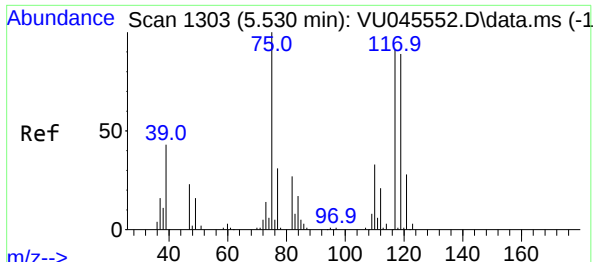


#35
Dibromofluoromethane
Concen: 50.680 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion:113 Resp: 80916

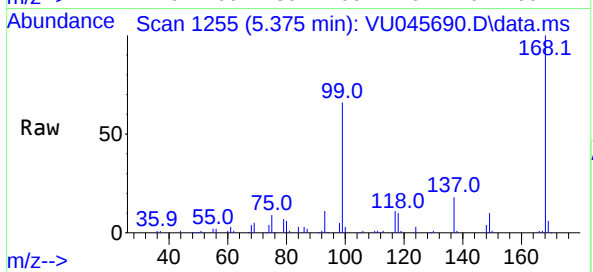
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.8	124.2
192	18.2	14.8	22.2



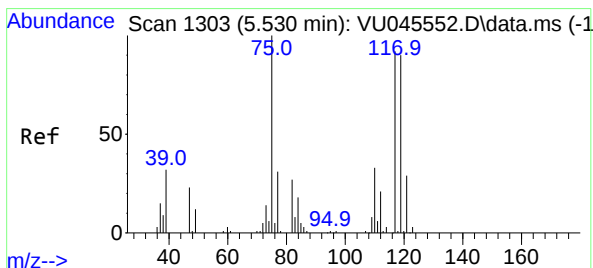
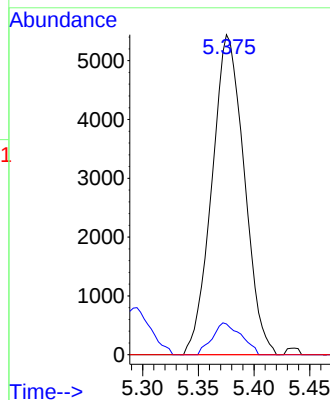
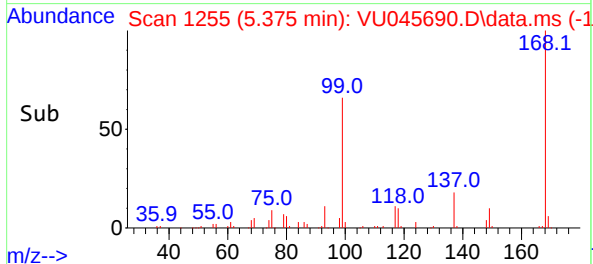


#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
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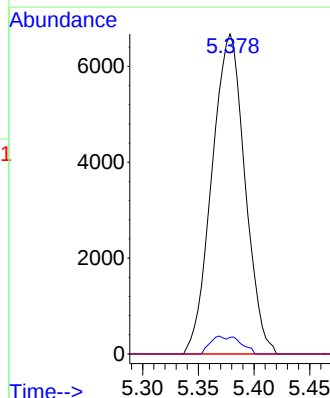
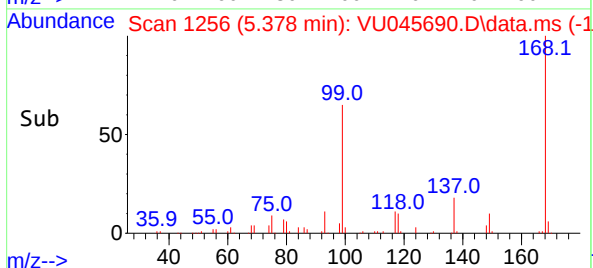
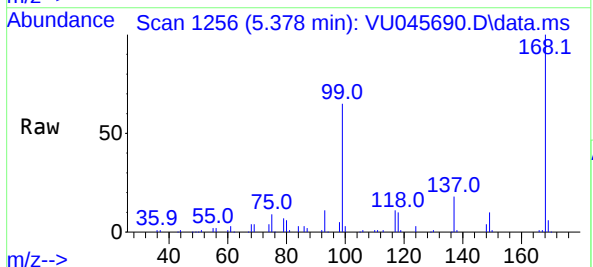


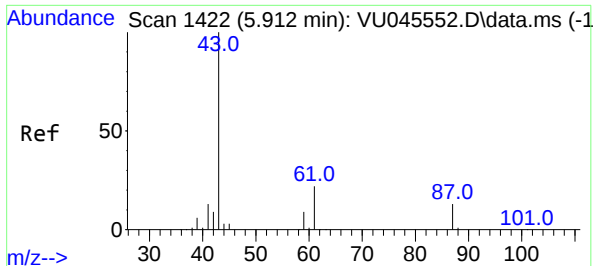
Tgt Ion: 75 Resp: 10991
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 117 Resp: 13769
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 24.8 37.2#

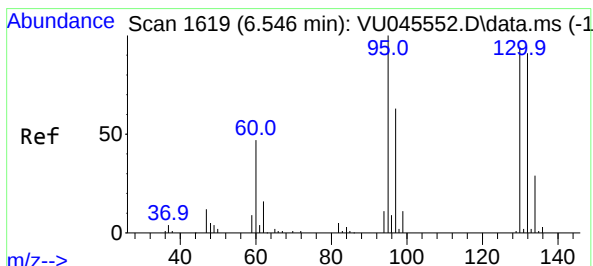
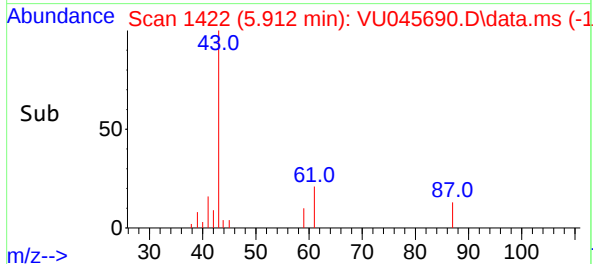
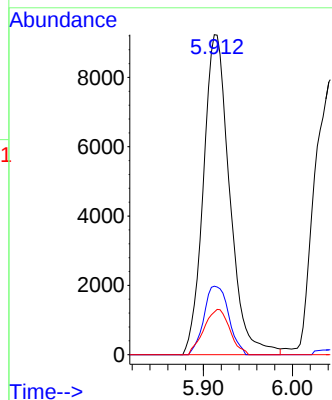
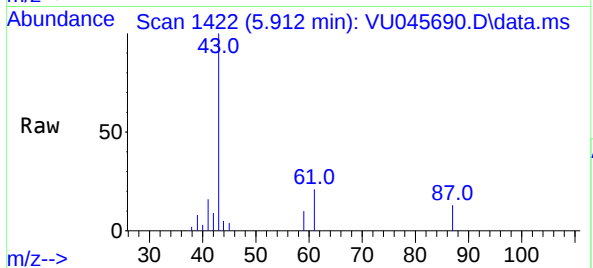




#43
Isopropyl Acetate
Concen: 4.625 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

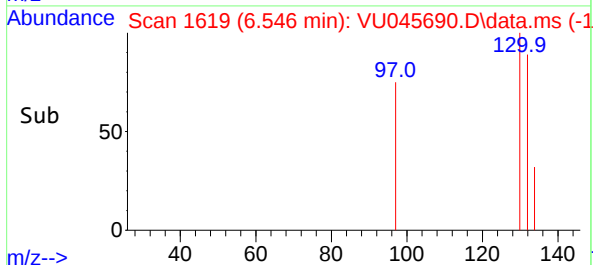
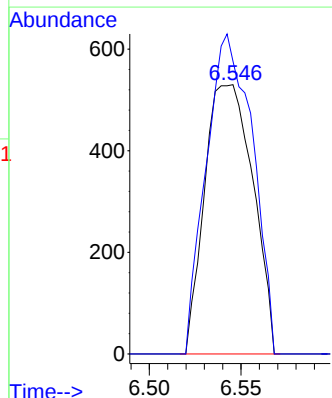
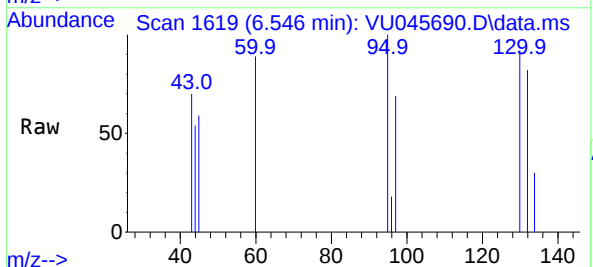
Instrument :
MSVOA_U
ClientSampleId :
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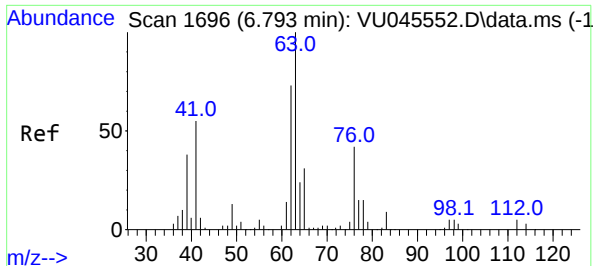
Tgt Ion:	43	Resp:	18948
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.9	25.3
87	13.8	11.0	16.4



#44
Trichloroethene
Concen: 0.588 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion:	130	Resp:	972
Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	211.4





#45

1,2-Dichloropropane

Concen: 0.717 ug/l

RT: 7.041 min Scan# 1

Delta R.T. 0.248 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

Instrument :

MSVOA_U

ClientSampleId :

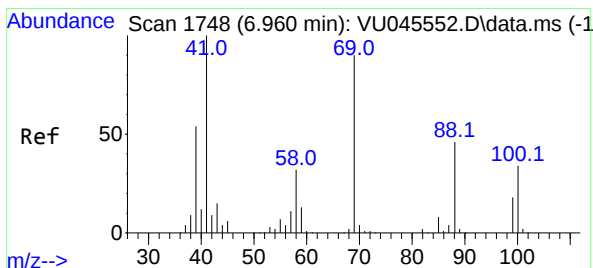
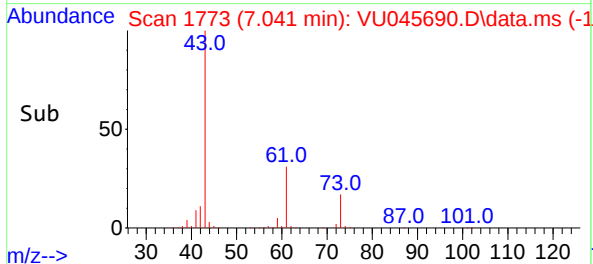
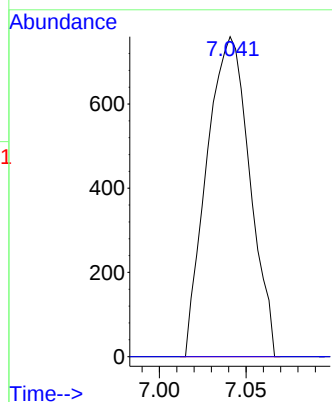
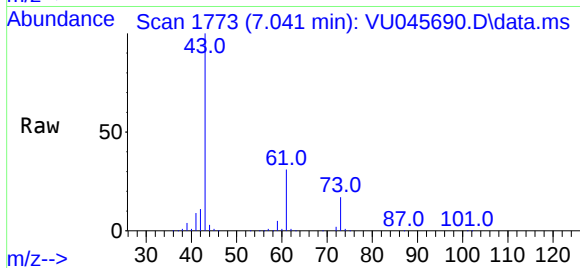
346

Tgt Ion: 63 Resp: 1310

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 3.124 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.068 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

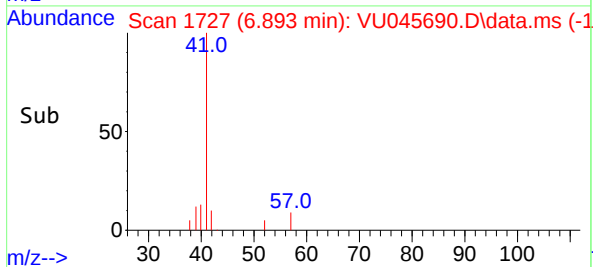
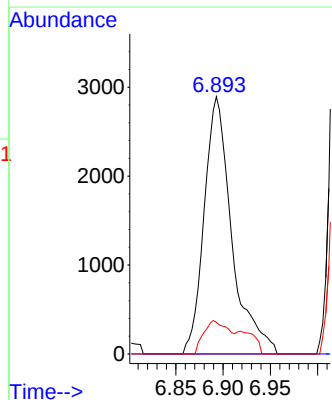
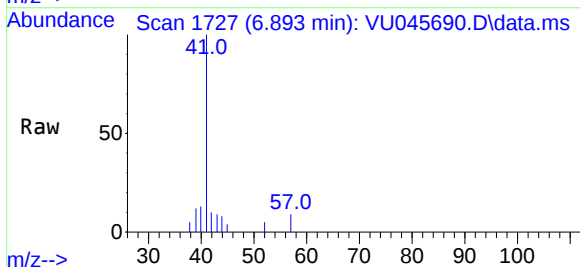
Tgt Ion: 41 Resp: 5891

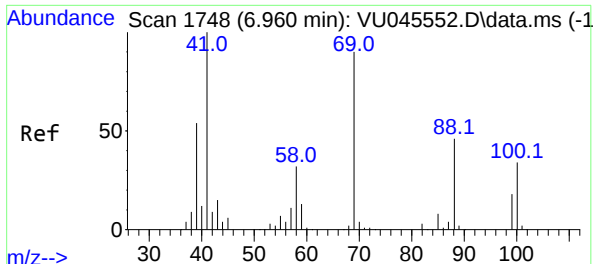
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#

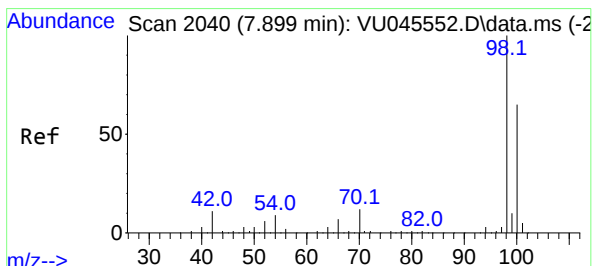
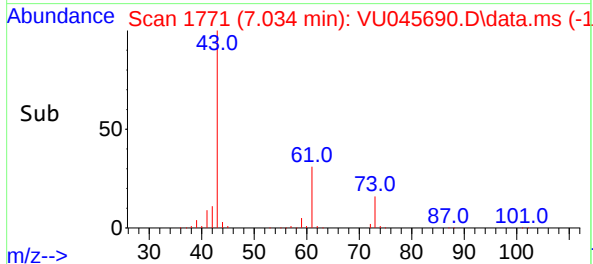
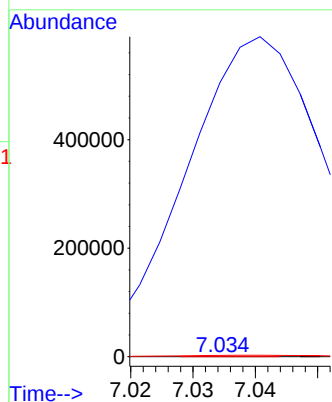
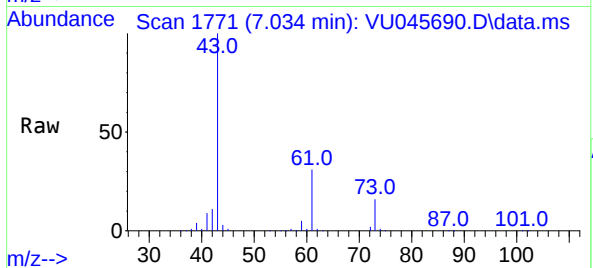




#49
1,4-Dioxane
Concen: 0.866 ug/l
RT: 7.034 min Scan# 11
Delta R.T. 0.074 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

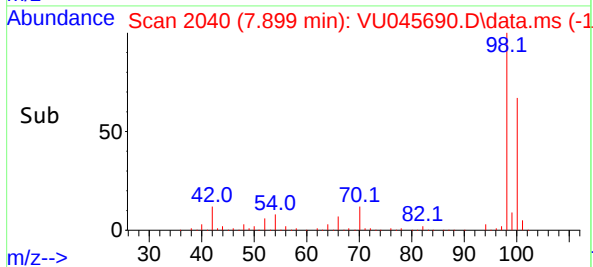
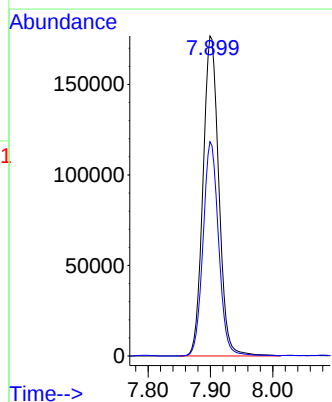
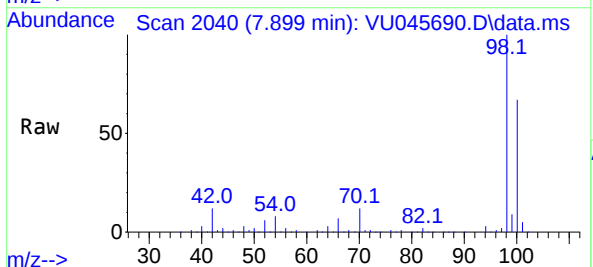
Instrument :
MSVOA_U
ClientSampleId :
346

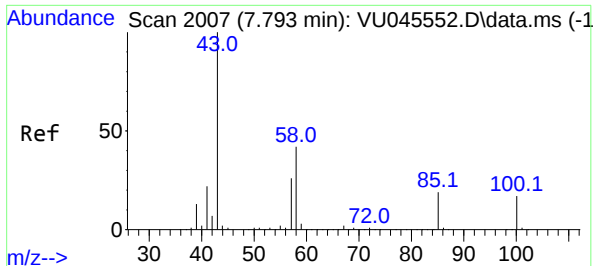
Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 2404045.2 0.0 0.0#
58 11252.4 58.7 88.1#



#50
Toluene-d8
Concen: 52.554 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 98 Resp: 312015
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.802 ug/l

RT: 7.790 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

Instrument :

MSVOA_U

ClientSampleId :

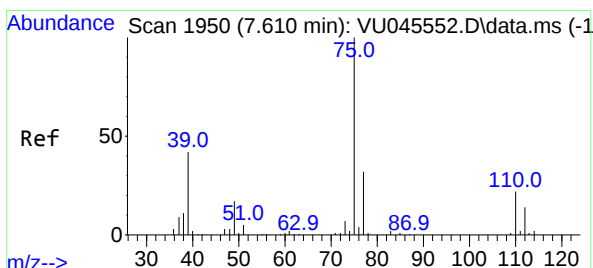
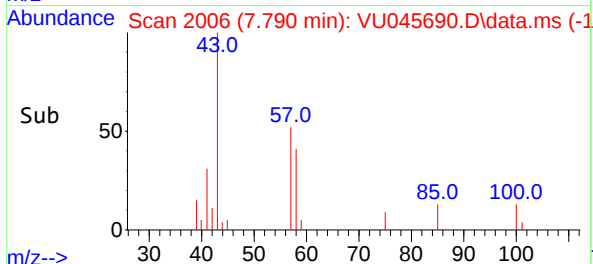
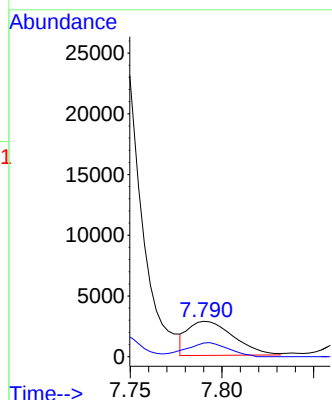
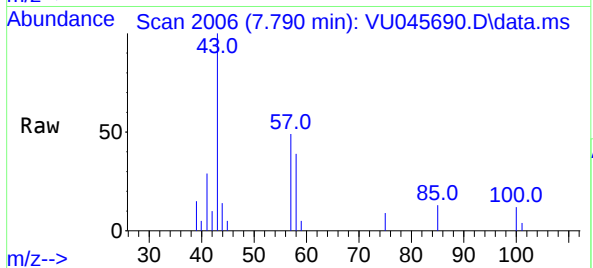
346

Tgt Ion: 43 Resp: 4869

Ion Ratio Lower Upper

43 100

58 38.0 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 10.455 ug/l

RT: 7.742 min Scan# 1991

Delta R.T. 0.132 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

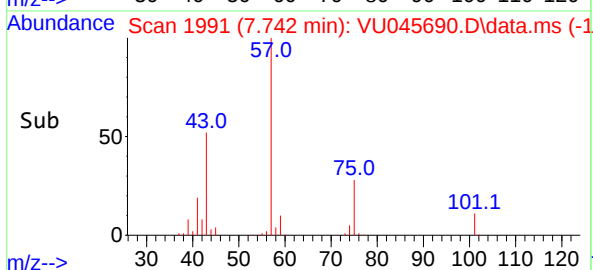
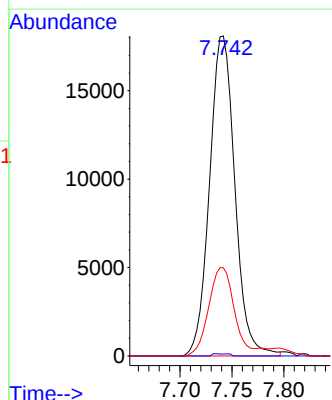
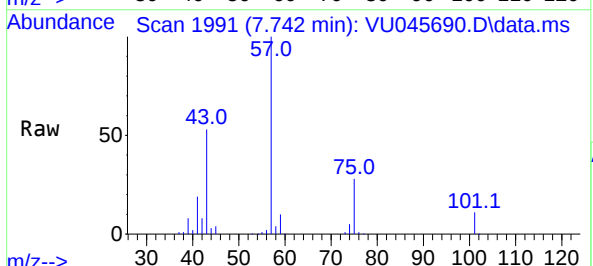
Tgt Ion: 75 Resp: 30651

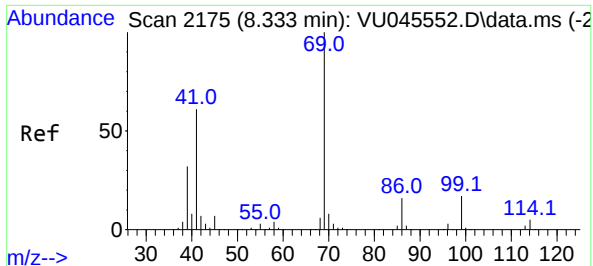
Ion Ratio Lower Upper

75 100

77 0.6 24.6 37.0#

39 27.6 37.1 55.7#





#56

Ethyl methacrylate

Concen: 2.459 ug/l

RT: 8.462 min Scan# 2175

Delta R.T. 0.129 min

Lab File: VU045690.D

Acq: 10 Nov 2021 16:08

Instrument :

MSVOA_U

ClientSampleId :

346

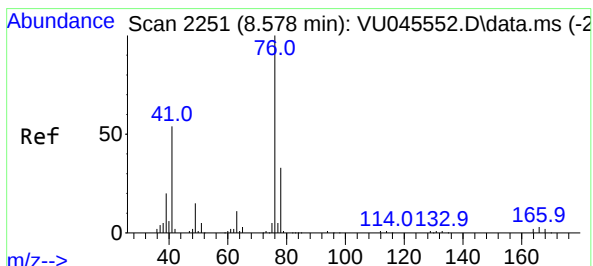
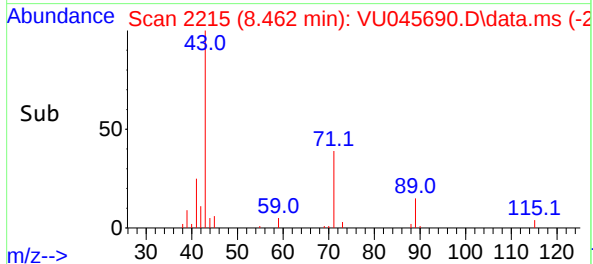
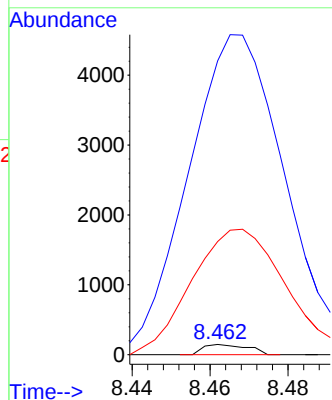
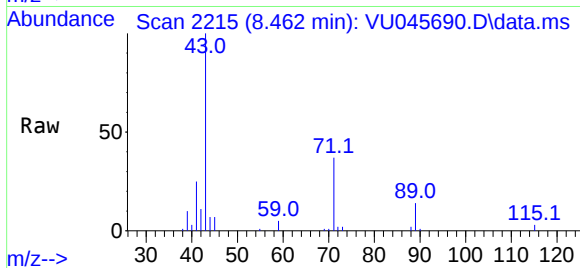
Tgt Ion: 69 Resp: 117

Ion Ratio Lower Upper

69 100

41 7032.5 51.0 76.4#

39 2612.0 26.6 39.8#



#57

1,3-Dichloropropane

Concen: 6.101 ug/l

RT: 8.726 min Scan# 2297

Delta R.T. 0.148 min

Lab File: VU045690.D

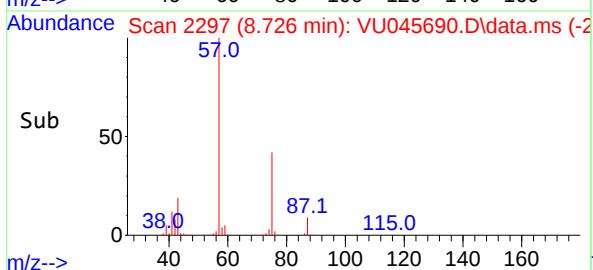
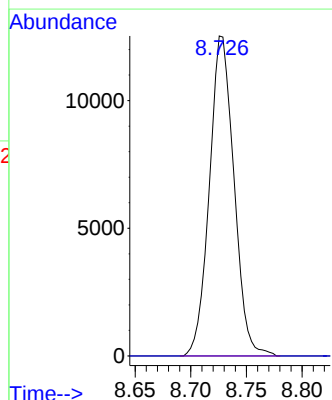
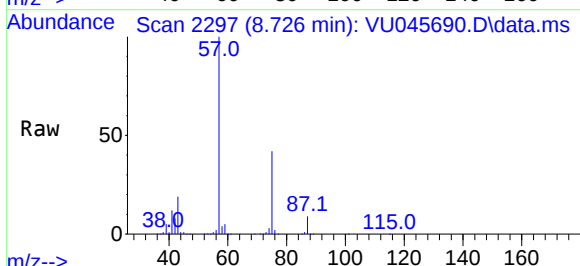
Acq: 10 Nov 2021 16:08

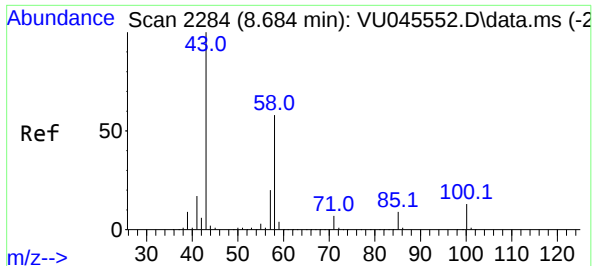
Tgt Ion: 76 Resp: 19249

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

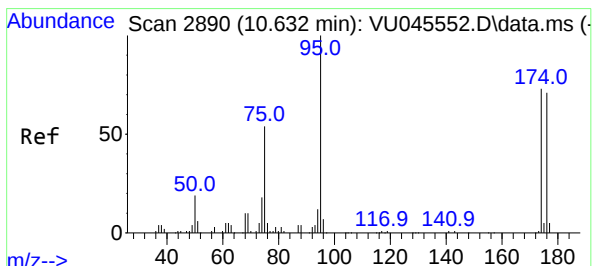
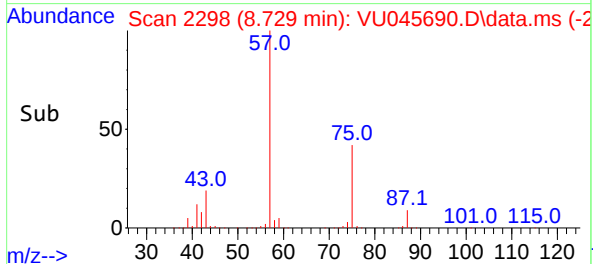
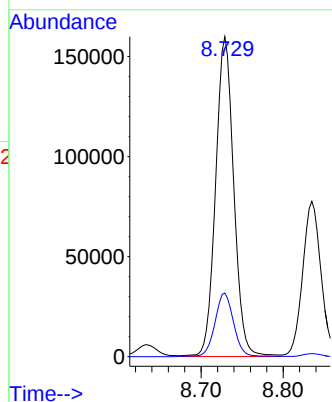
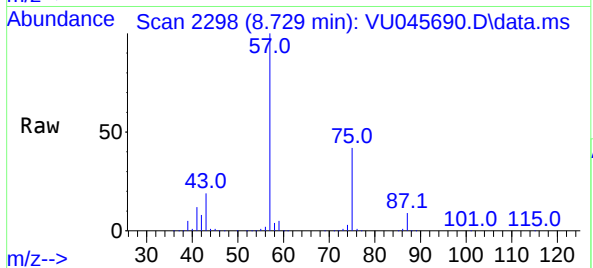




#59
2-Hexanone
Concen: 108.919 ug/l
RT: 8.729 min Scan# 21
Delta R.T. 0.045 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

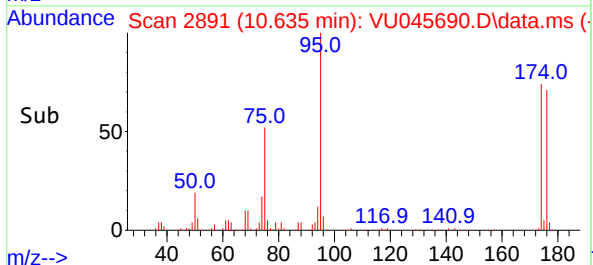
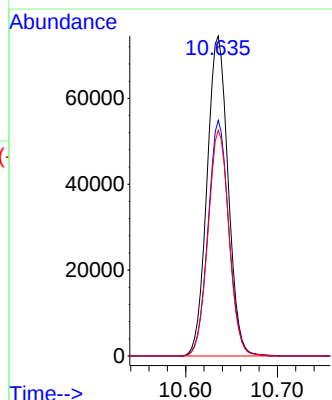
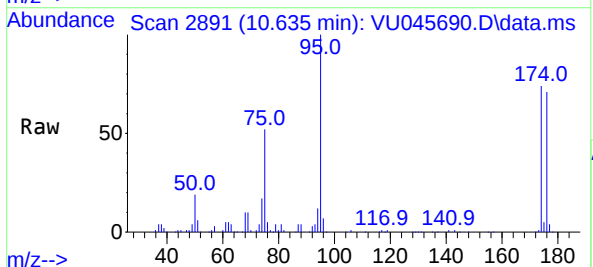
Instrument :
MSVOA_U
ClientSampleId :
346

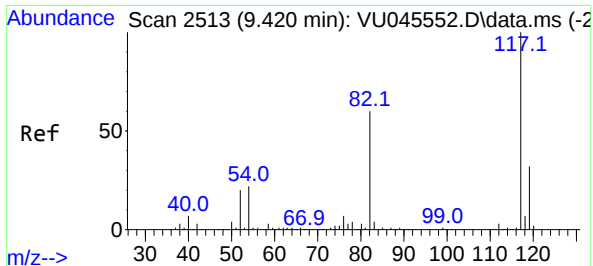
Tgt Ion: 43 Resp: 245826
Ion Ratio Lower Upper
43 100
58 20.6 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 49.954 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 95 Resp: 118926
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.8
176 70.2 0.0 138.2

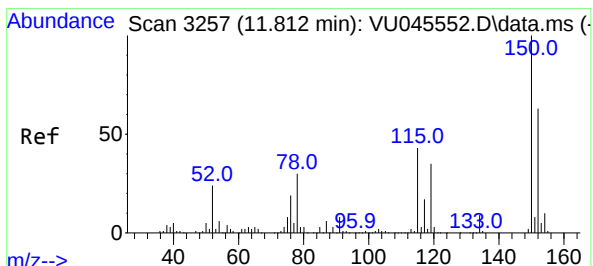
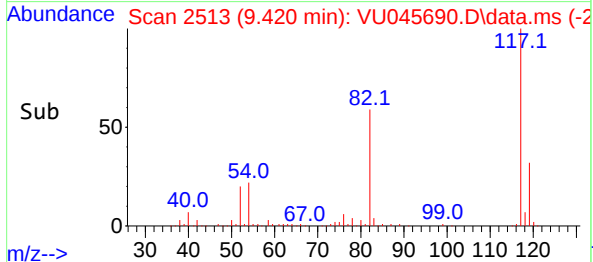
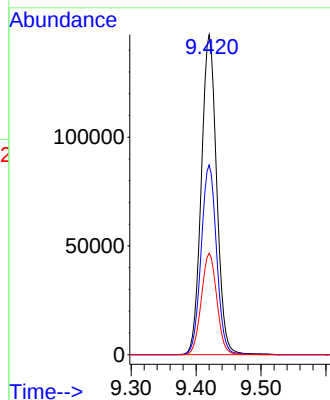
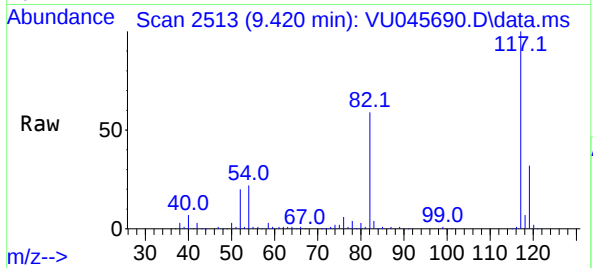




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

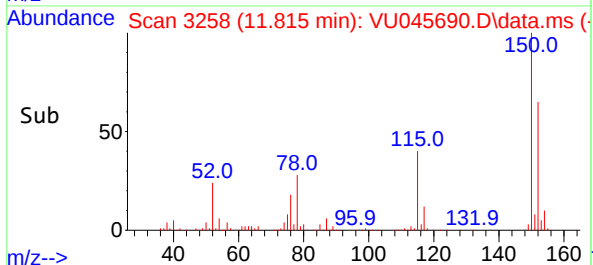
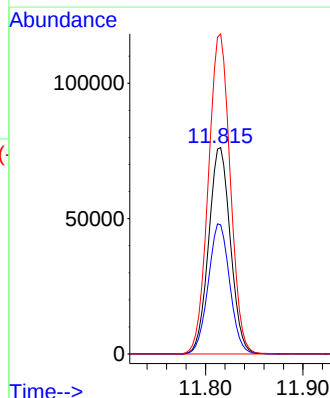
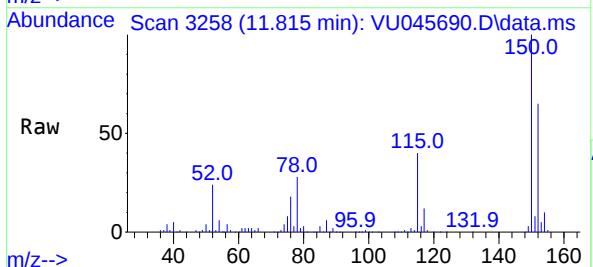
Instrument :
MSVOA_U
ClientSampleId :
346

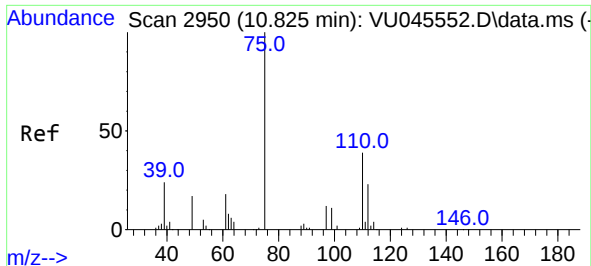
Tgt Ion:117 Resp: 242446
Ion Ratio Lower Upper
117 100
82 59.3 47.8 71.8
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.003 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion:152 Resp: 118252
Ion Ratio Lower Upper
152 100
115 62.4 42.7 128.1
150 156.0 0.0 346.8

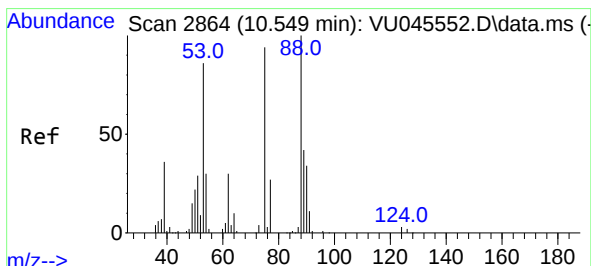
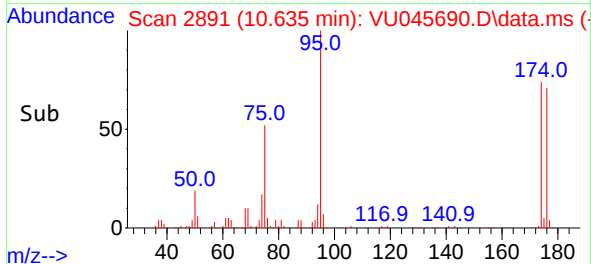
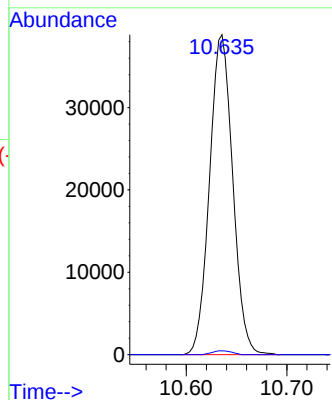
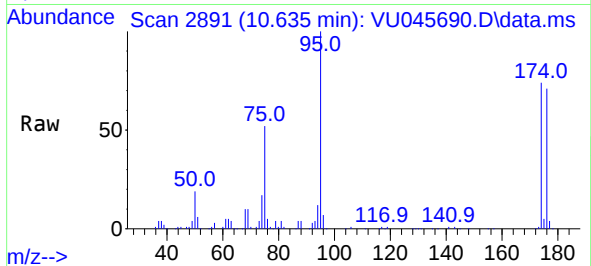




#76
1,2,3-Trichloropropane
Concen: 17.358 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

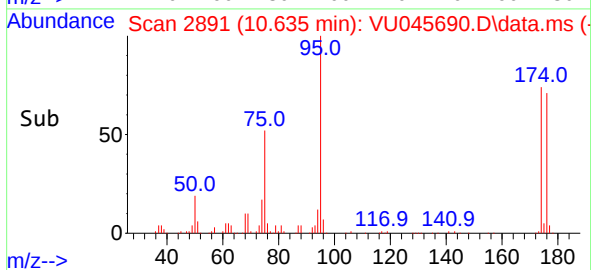
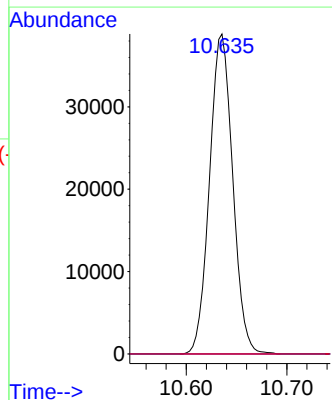
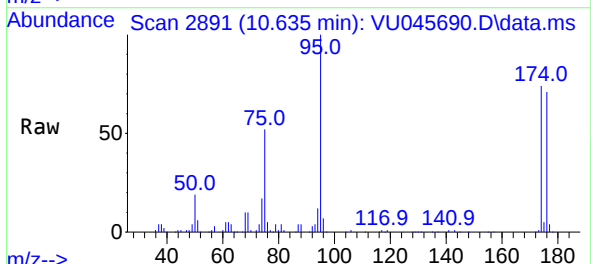
Instrument :
MSVOA_U
ClientSampleId :
346

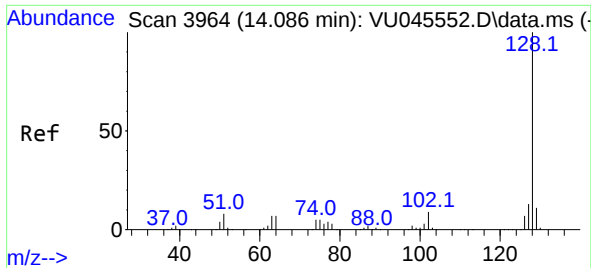
Tgt Ion: 75 Resp: 62246
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.452 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045690.D
Acq: 10 Nov 2021 16:08

Tgt Ion: 75 Resp: 62246
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.119 ug/l

RT: 14.092 min Scan# 396

Delta R.T. 0.006 min

Lab File: VU045690.D

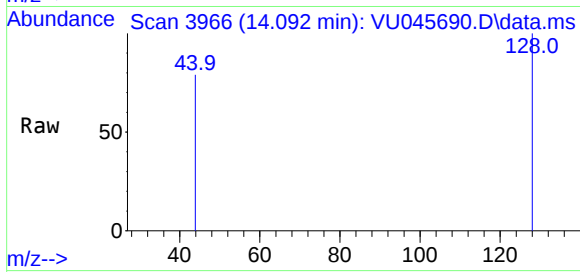
Acq: 10 Nov 2021 16:08

Instrument :

MSVOA_U

ClientSampleId :

346



Tgt Ion:128 Resp: 878

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

