

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111221\
 Data File : VW020877.D
 Acq On : 13 Nov 2021 00:49
 Operator : SY/VA
 Sample : M4654-05
 Misc : 5.94g/5mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 15 00:15:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 13 07:30:48 2021
 Response via : Initial Calibration

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

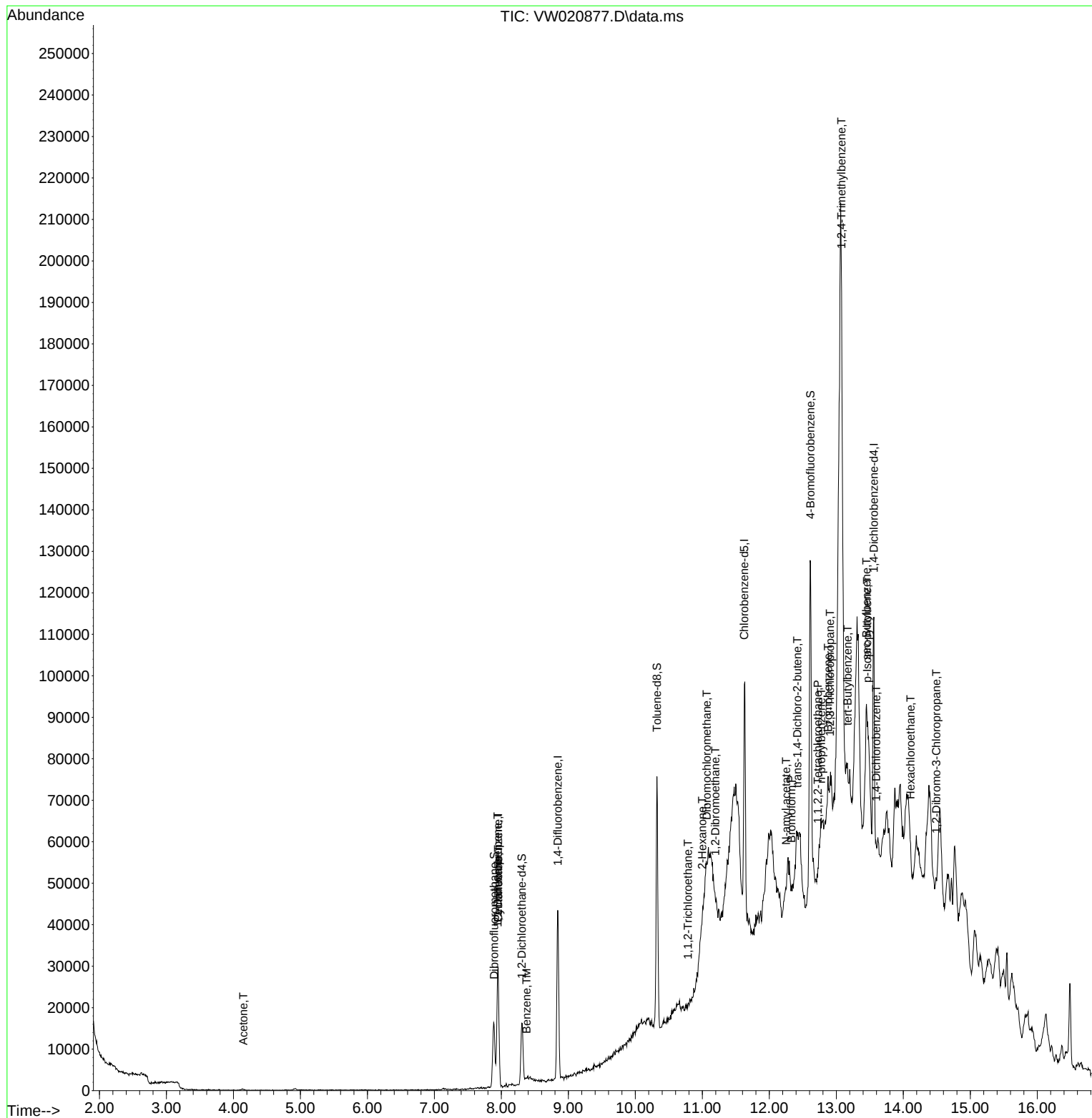
Internal Standards						
1) Pentafluorobenzene	7.951	168	22976	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.841	114	34542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.627	117	32808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	16182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	12052	63.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.860%	
35) Dibromofluoromethane	7.890	113	10760	55.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.440%	
50) Toluene-d8	10.323	98	38956	51.561	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.120%	
62) 4-Bromofluorobenzene	12.615	95	17269	63.352	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.700%	
Target Compounds						
					Qvalue	
16) Acetone	4.147	43	713	18.805	ug/l	# 44
20) Methylene Chloride	4.921	84	329	Below Cal	#	63
31) Cyclohexane	7.951	56	497	1.458	ug/l	# 35
36) 1,1-Dichloropropene	7.945	75	1604	5.618	ug/l	# 53
40) Benzene	8.378	78	2880	3.769	ug/l	# 84
55) 1,1,2-Trichloroethane	10.786	97	278	1.951	ug/l	# 21
59) 2-Hexanone	11.000	43	577	5.648	ug/l	# 36
60) Dibromochloromethane	11.067	129	521	2.782	ug/l	57
61) 1,2-Dibromoethane	11.195	107	219	1.487	ug/l	87
71) Bromoform	12.329	173	374	2.780	ug/l	# 28
74) N-amyl acetate	12.249	43	941	3.904	ug/l	# 49
75) 1,1,2,2-Tetrachloroethane	12.725	83	221	1.226	ug/l	# 79
76) 1,2,3-Trichloropropane	12.908	75	368	2.958	ug/l	# 100
77) Bromobenzene	12.877	156	25272	108.041	ug/l	# 1
78) n-propylbenzene	12.774	91	2910	2.373	ug/l	# 52
81) trans-1,4-Dichloro-2-b...	12.420	75	284	4.493	ug/l	# 40
83) tert-Butylbenzene	13.170	119	10878	13.776	ug/l	# 26
84) 1,2,4-Trimethylbenzene	13.078	105	6346	7.678	ug/l	# 31
85) sec-Butylbenzene	13.450	105	11325	10.034	ug/l	# 66
86) p-Isopropyltoluene	13.463	119	7029	7.266	ug/l	# 50
88) 1,4-Dichlorobenzene	13.597	146	495	1.059	ug/l	# 1
90) Hexachloroethane	14.109	117	454	2.441	ug/l	# 7
92) 1,2-Dibromo-3-Chloropr...	14.493	75	43	1.189	ug/l	# 1

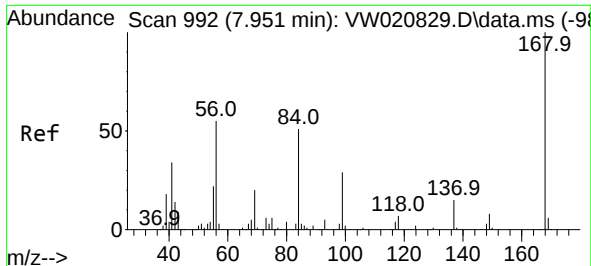
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 13 Nov 2021 00:49
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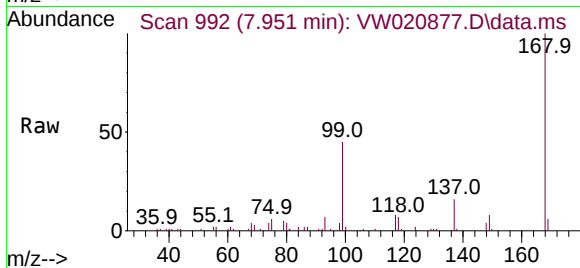
Quant Time: Nov 15 00:15:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
Quant Title : SW846 8260
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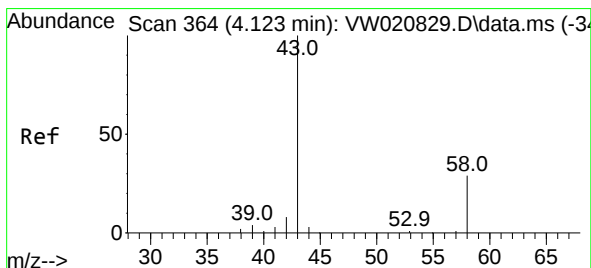
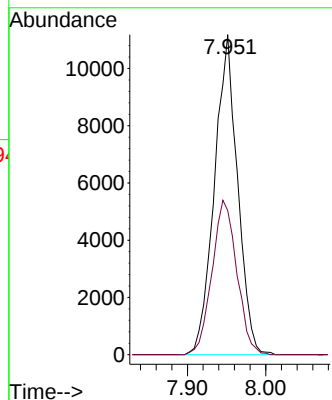
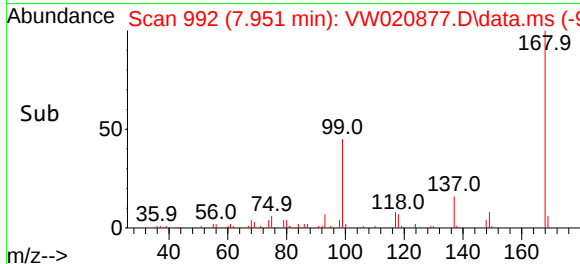


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Instrument :
MSVOA_W
ClientSampleId :

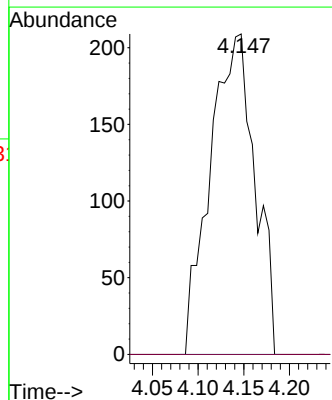
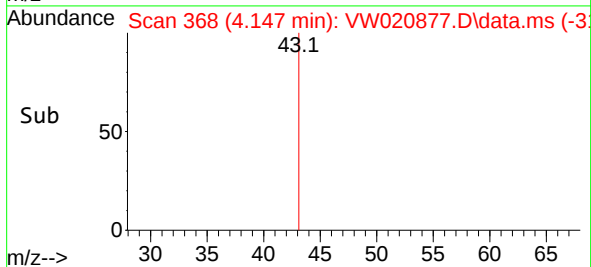
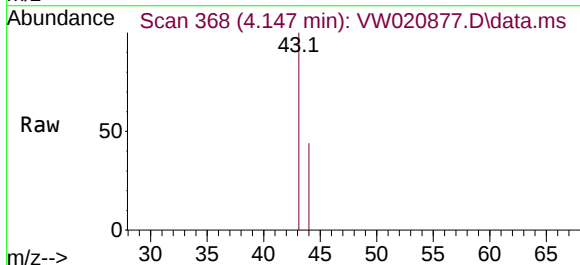


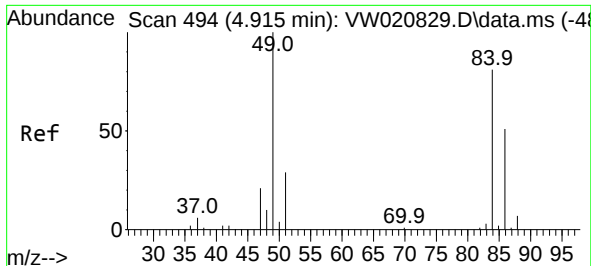
Tgt Ion:168 Resp: 22976
Ion Ratio Lower Upper
168 100
99 45.0 45.4 68.0#



#16
Acetone
Concen: 18.805 ug/l
RT: 4.147 min Scan# 368
Delta R.T. 0.024 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

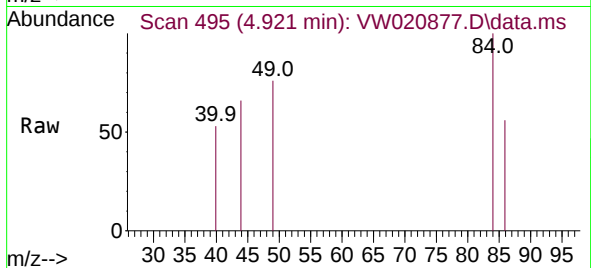
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





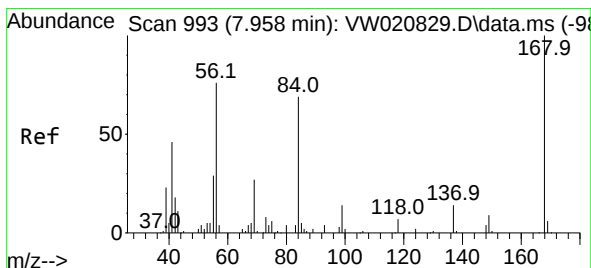
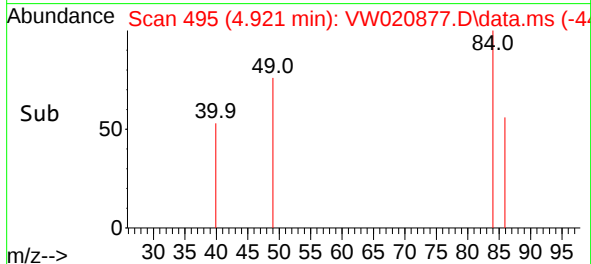
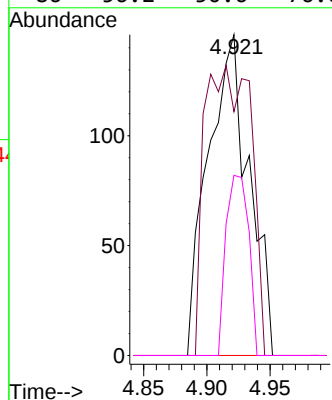
#20
Methylene Chloride
Concen: Below Cal
RT: 4.921 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 329

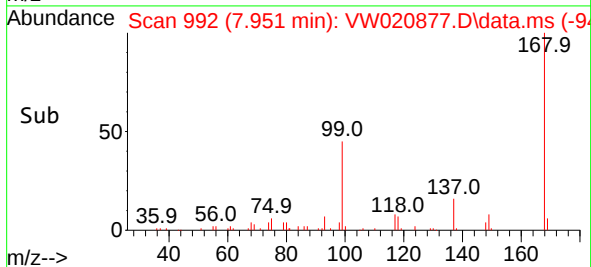
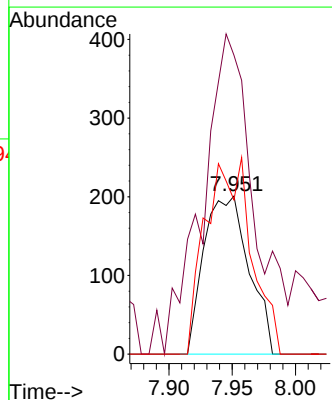
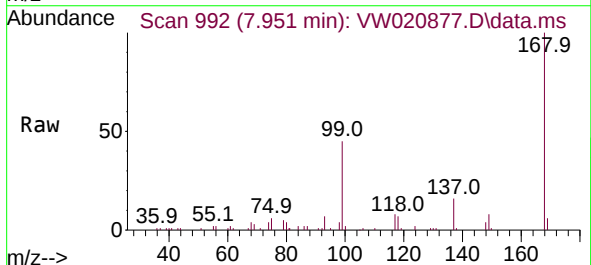
Ion	Ratio	Lower	Upper
84	100		
49	76.0	100.0	150.0#
51	0.0	30.8	46.2#
86	56.2	50.6	76.0

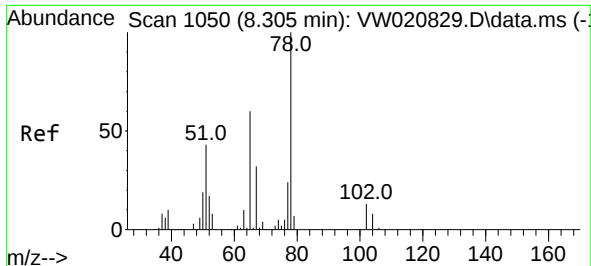


#31
Cyclohexane
Concen: 1.458 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion: 56 Resp: 497

Ion	Ratio	Lower	Upper
56	100		
69	156.7	27.2	40.8#
84	97.5	71.8	107.6





#33

1,2-Dichloroethane-d4

Concen: 63.431 ug/l

RT: 8.305 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

Instrument :

MSVOA_W

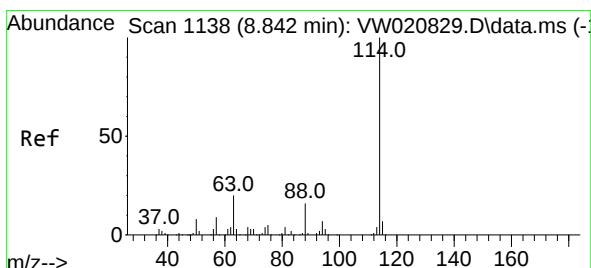
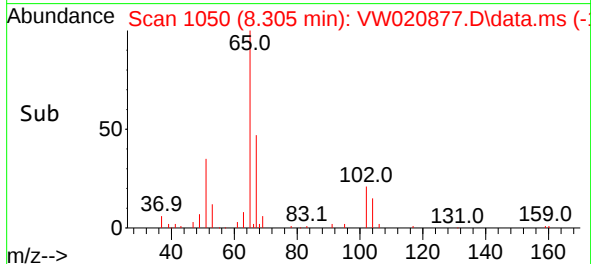
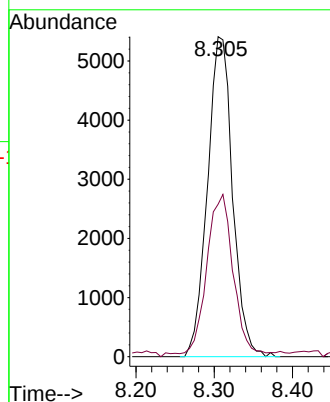
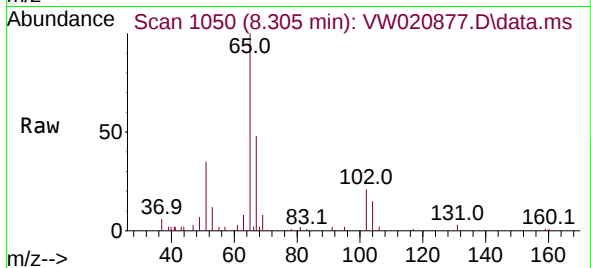
ClientSampleId :

Tgt Ion: 65 Resp: 12052

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.841 min Scan# 1138

Delta R.T. -0.000 min

Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

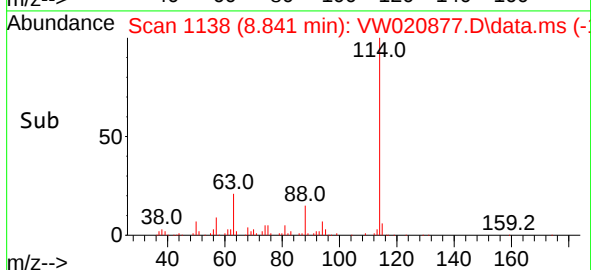
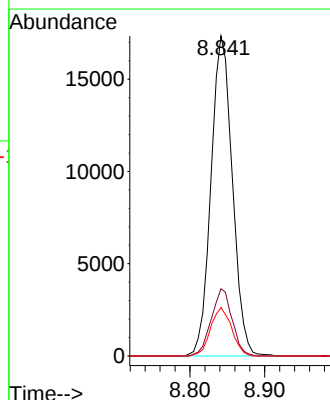
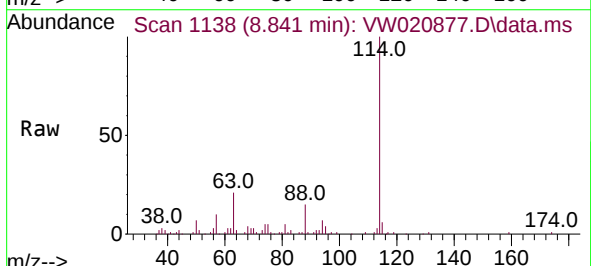
Tgt Ion: 114 Resp: 34542

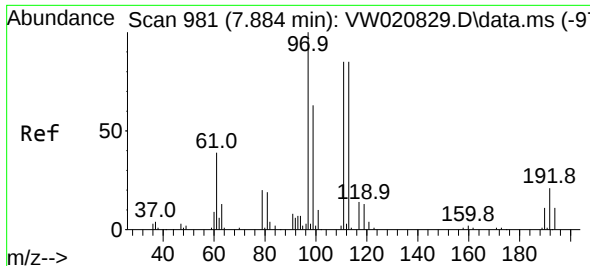
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 15.2 0.0 33.0

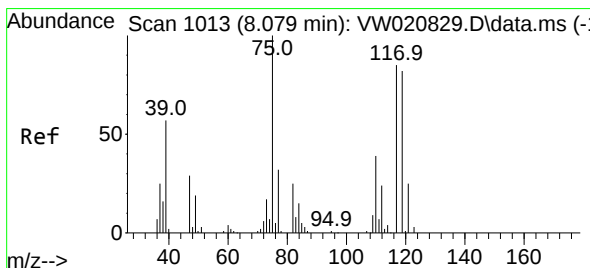
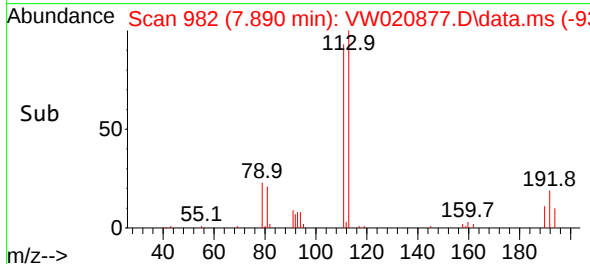
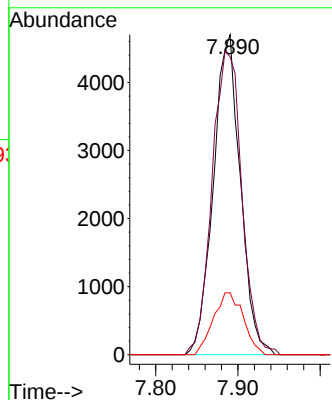
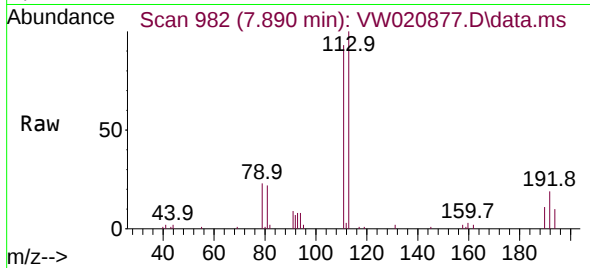




#35
Dibromofluoromethane
Concen: 55.720 ug/l
RT: 7.890 min Scan# 991
Delta R.T. 0.006 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

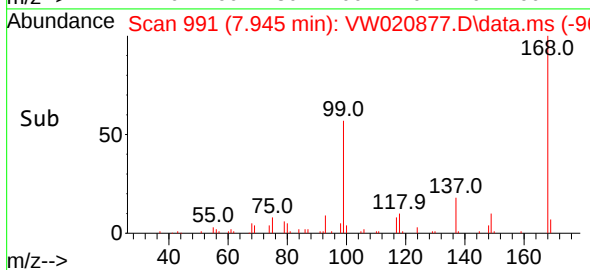
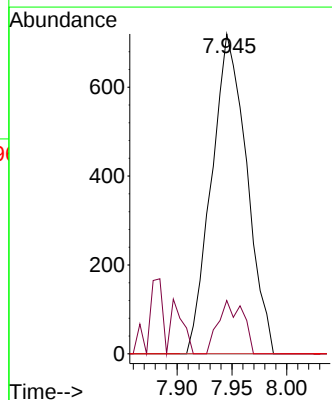
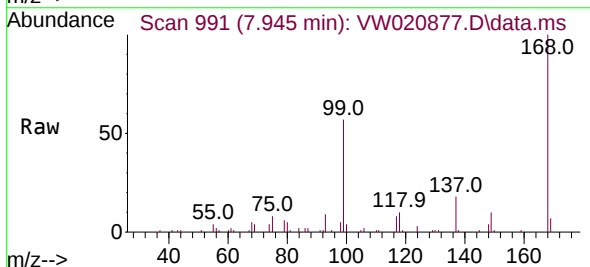
Instrument :
MSVOA_W
ClientSampleId :

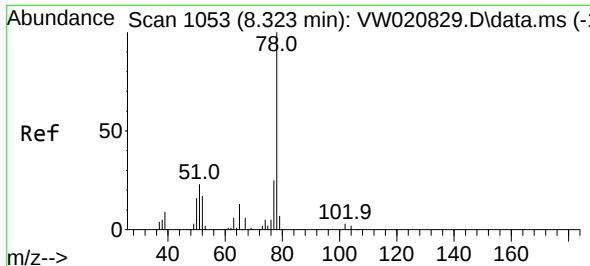
Tgt Ion:113 Resp: 10760
Ion Ratio Lower Upper
113 100
111 104.1 82.1 123.1
192 21.4 17.8 26.8



#36
1,1-Dichloropropene
Concen: 5.618 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.134 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion: 75 Resp: 1604
Ion Ratio Lower Upper
75 100
110 11.7 17.1 51.3#
77 0.0 24.9 37.3#

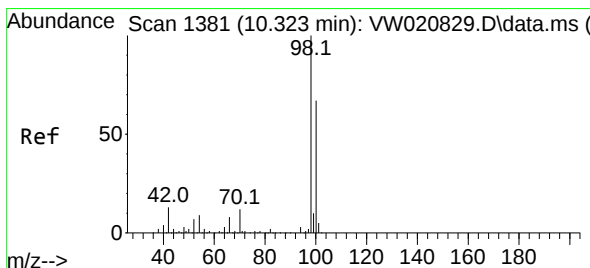
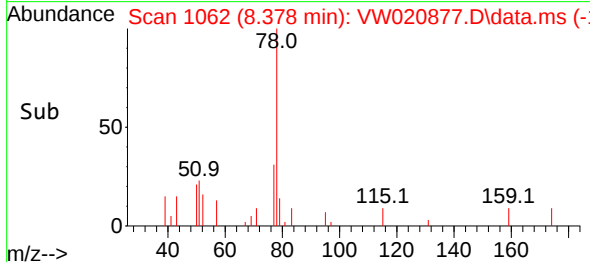
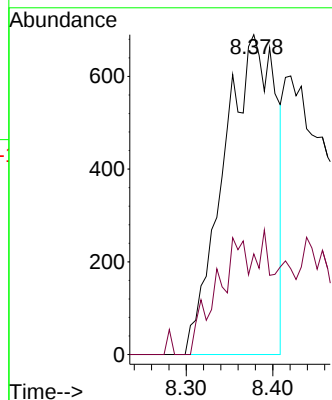
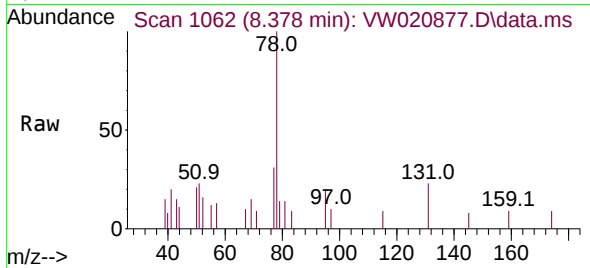




#40
Benzene
Concen: 3.769 ug/l
RT: 8.378 min Scan# 1062
Delta R.T. 0.055 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

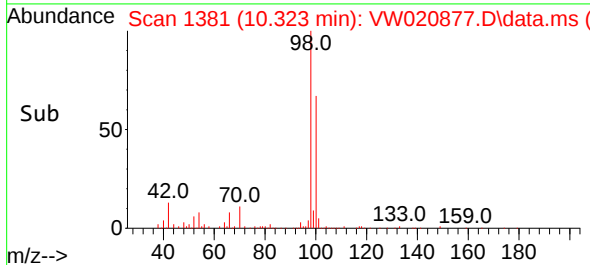
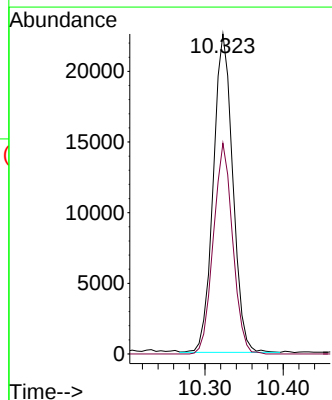
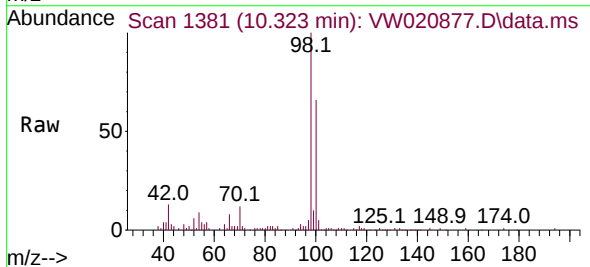
Instrument :
MSVOA_W
ClientSampleId :

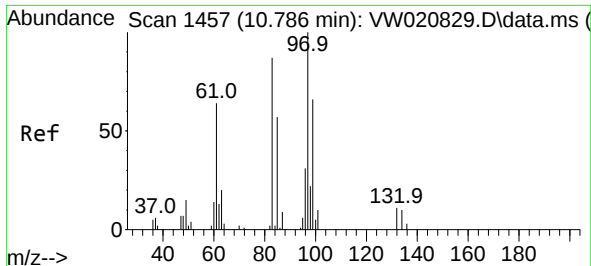
Tgt Ion: 78 Resp: 2880
Ion Ratio Lower Upper
78 100
77 31.4 19.0 28.6#



#50
Toluene-d8
Concen: 51.561 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion: 98 Resp: 38956
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8





#55

1,1,2-Trichloroethane

Concen: 1.951 ug/l

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 278

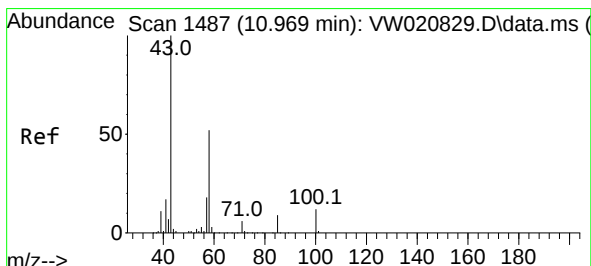
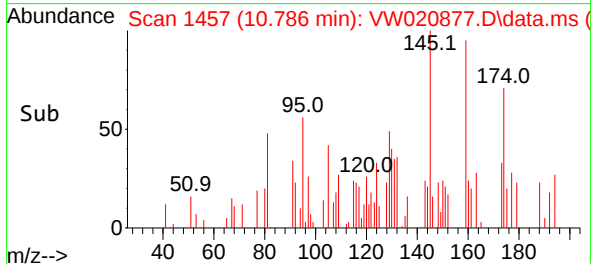
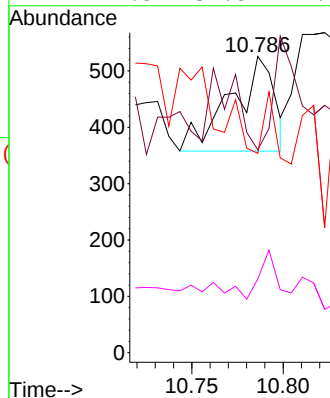
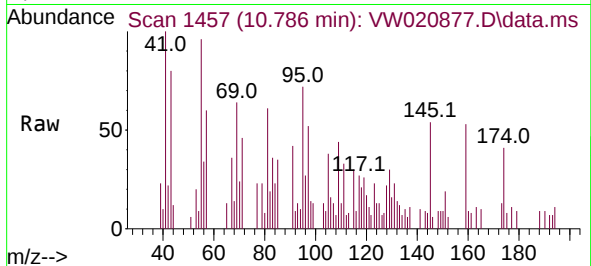
Ion Ratio Lower Upper

97 100

83 0.0 69.0 103.4#

85 4.8 44.3 66.5#

99 12.5 51.8 77.6#



#59

2-Hexanone

Concen: 5.648 ug/l

RT: 11.000 min Scan# 1492

Delta R.T. 0.030 min

Lab File: VW020877.D

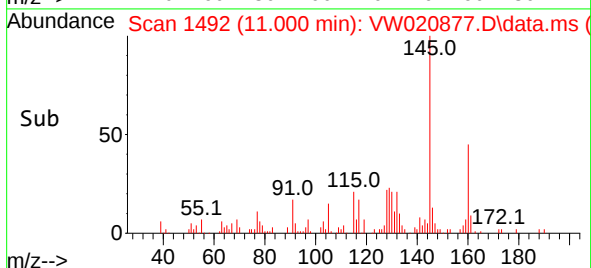
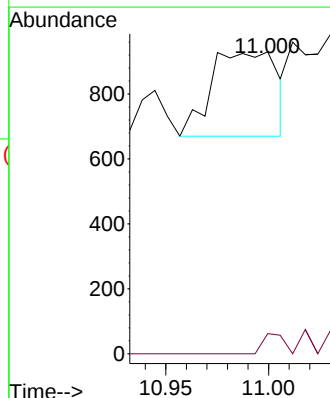
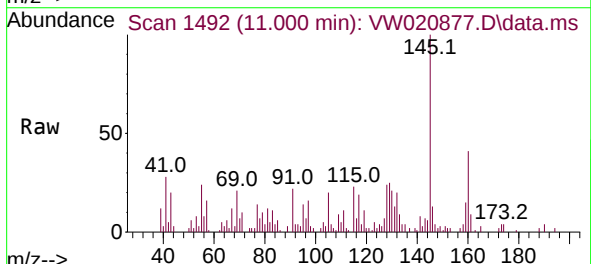
Acq: 13 Nov 2021 00:49

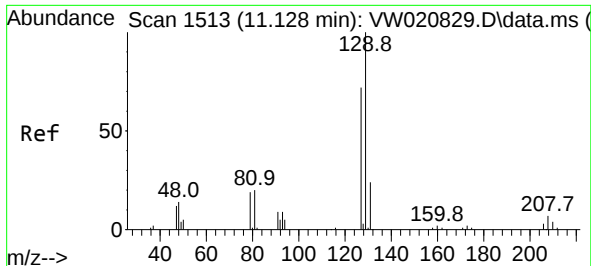
Tgt Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

58 7.6 26.4 79.2#

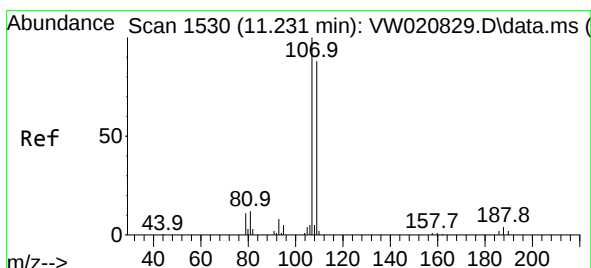
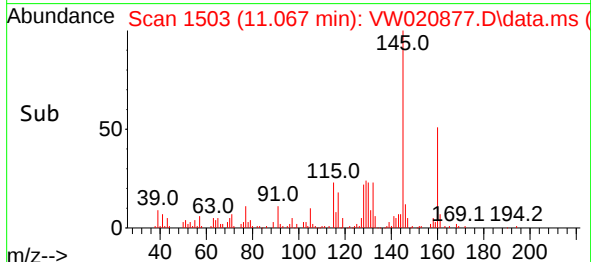
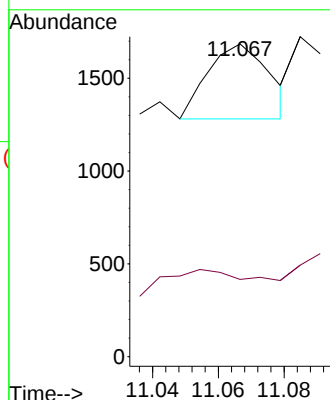
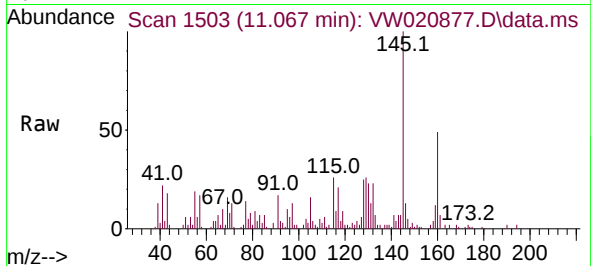




#60
Dibromochloromethane
Concen: 2.782 ug/l
RT: 11.067 min Scan# 11
Delta R.T. -0.061 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

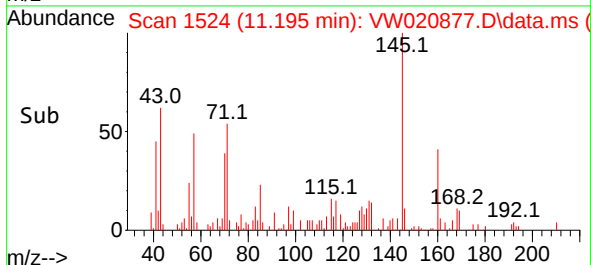
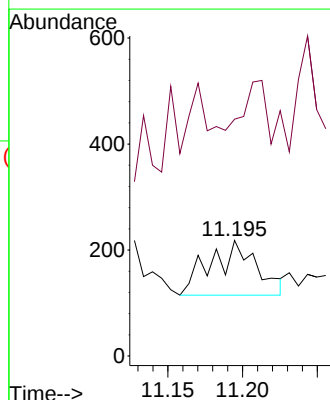
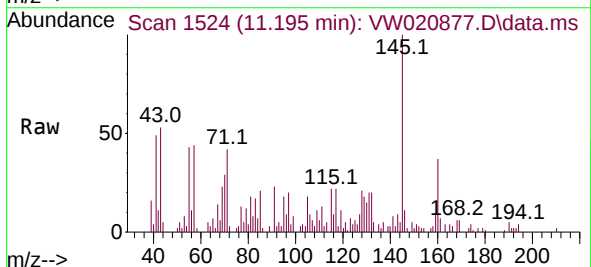
Instrument :
MSVOA_W
ClientSampleId :

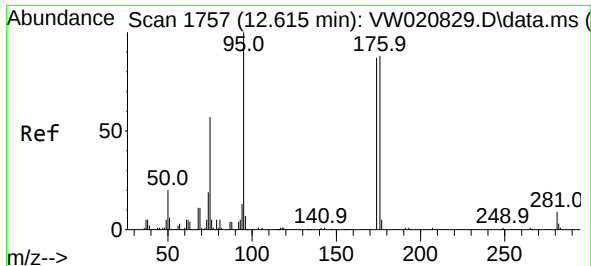
Tgt Ion:129 Resp: 521
Ion Ratio Lower Upper
129 100
127 40.7 38.9 116.6



#61
1,2-Dibromoethane
Concen: 1.487 ug/l
RT: 11.195 min Scan# 1524
Delta R.T. -0.037 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

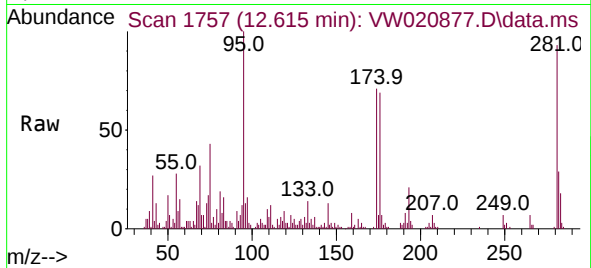
Tgt Ion:107 Resp: 219
Ion Ratio Lower Upper
107 100
109 81.7 75.4 113.2



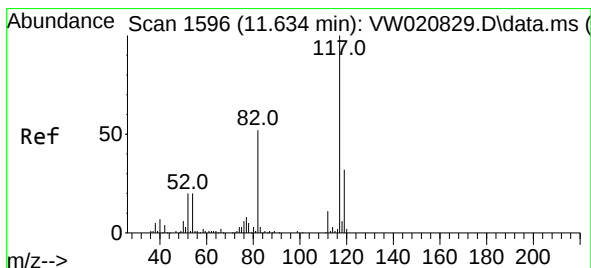
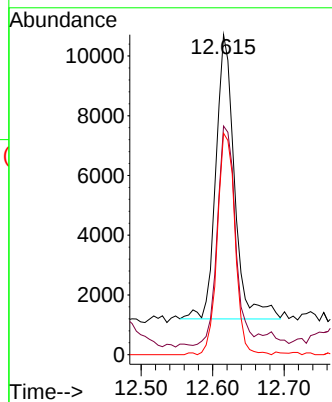
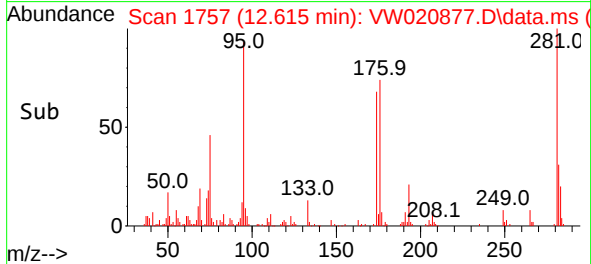


#62
4-Bromofluorobenzene
Concen: 63.352 ug/l
RT: 12.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

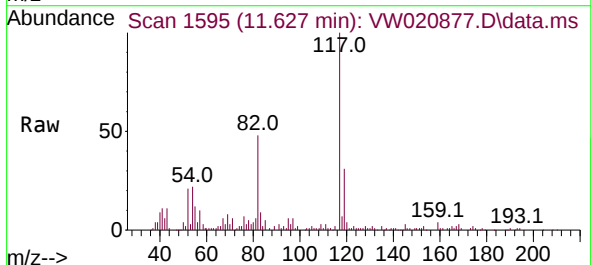
Instrument :
MSVOA_W
ClientSampleId :



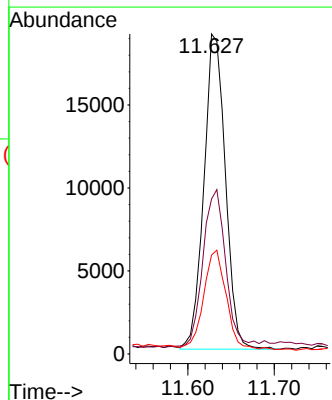
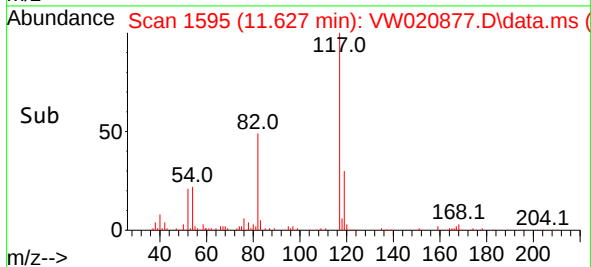
Tgt Ion: 95 Resp: 17269
Ion Ratio Lower Upper
95 100
174 74.3 0.0 166.4
176 73.8 0.0 159.8

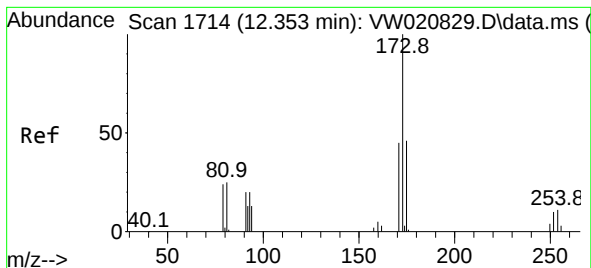


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.627 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49



Tgt Ion: 117 Resp: 32808
Ion Ratio Lower Upper
117 100
82 46.7 45.6 68.4
119 29.9 25.0 37.4





#71

Bromoform

Concen: 2.780 ug/l

RT: 12.329 min Scan# 1

Delta R.T. -0.025 min

Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

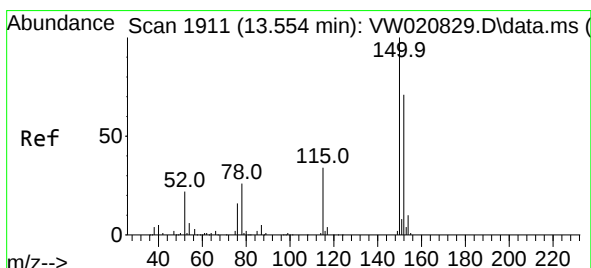
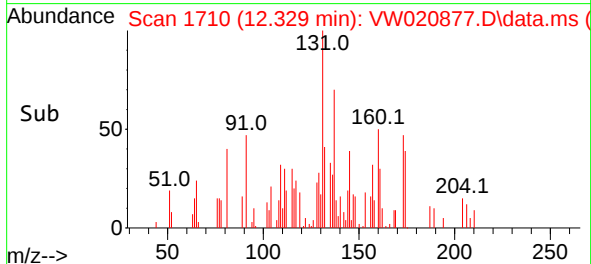
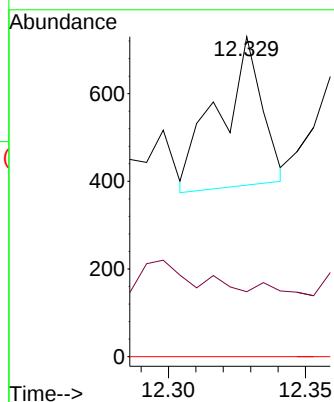
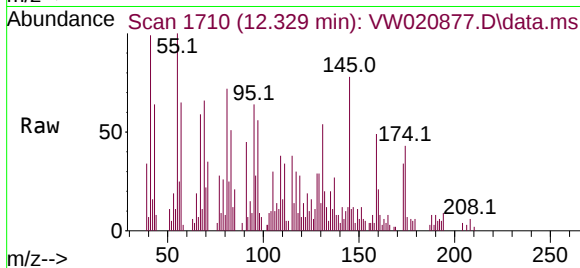
Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:173 Resp: 374

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.6	73.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.560 min Scan# 1912

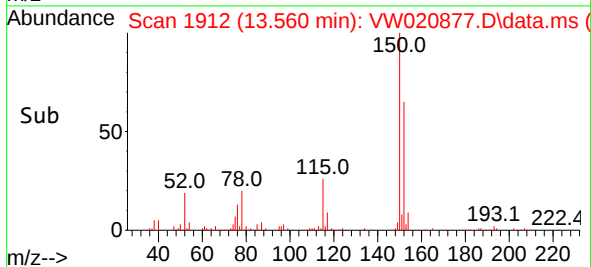
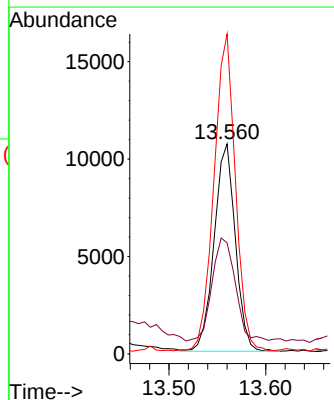
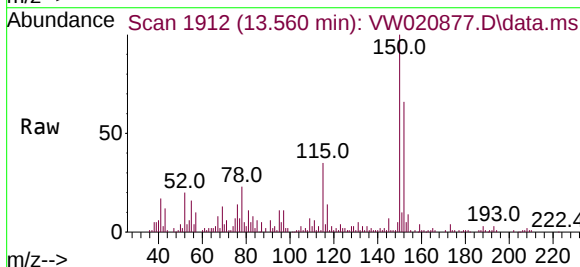
Delta R.T. 0.006 min

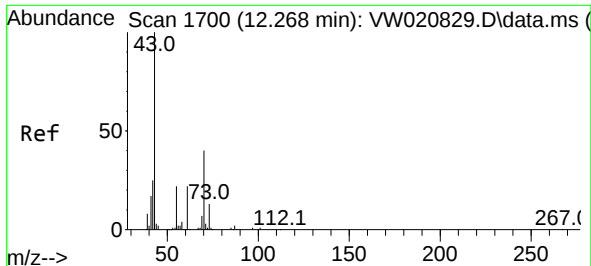
Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

Tgt Ion:152 Resp: 16182

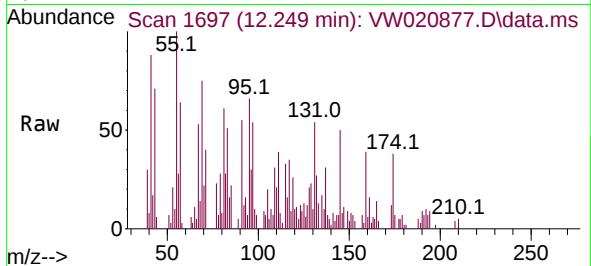
Ion	Ratio	Lower	Upper
152	100		
115	54.3	29.6	88.9
150	154.1	0.0	352.6



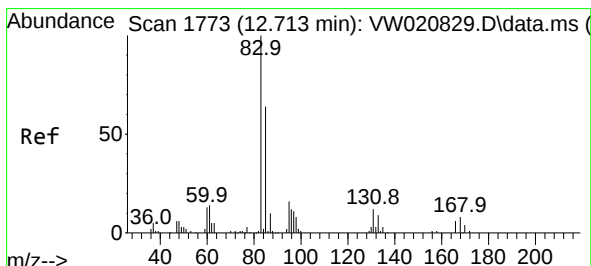
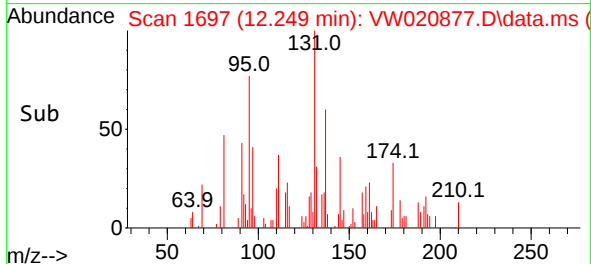
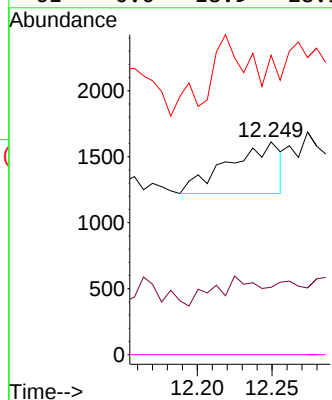


#74
N-amy1 acetate
Concen: 3.904 ug/l
RT: 12.249 min Scan# 1700
Delta R.T. -0.018 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Instrument :
MSVOA_W
ClientSampleId :

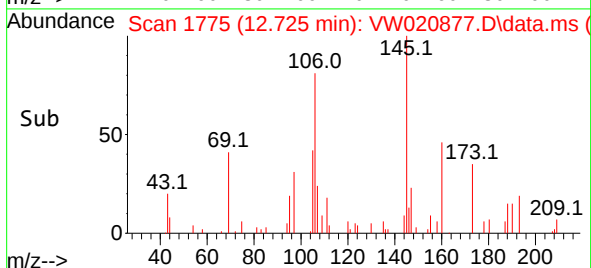
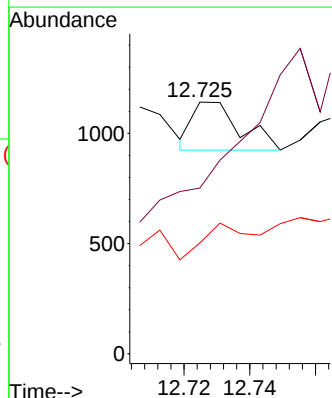
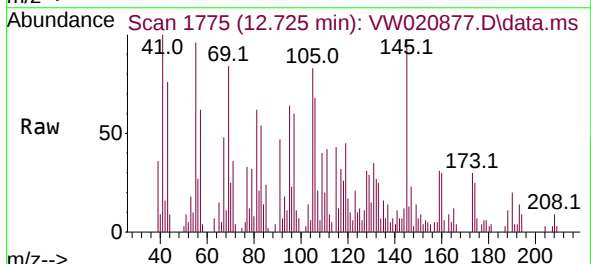


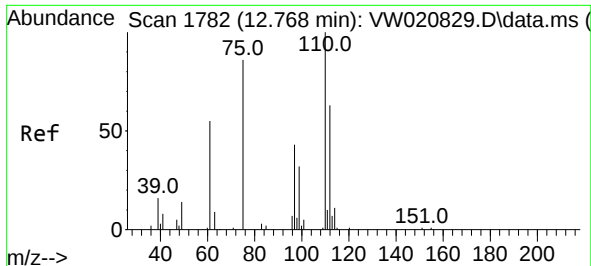
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
70 6.9 33.4 50.2#
55 49.3 20.1 30.1#
61 0.0 18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.226 ug/l
RT: 12.725 min Scan# 1775
Delta R.T. 0.012 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion: 83 Resp: 221
Ion Ratio Lower Upper
83 100
131 0.0 5.8 17.3#
85 78.7 31.8 95.4

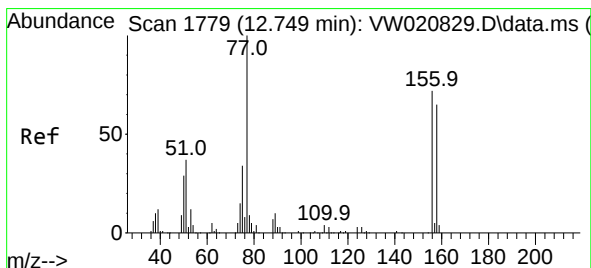
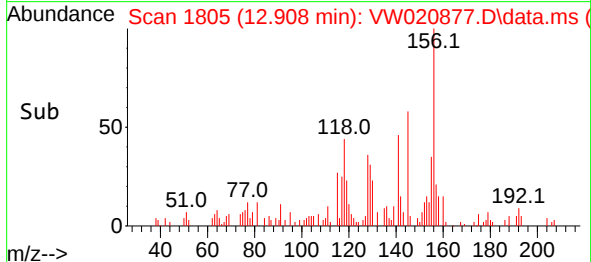
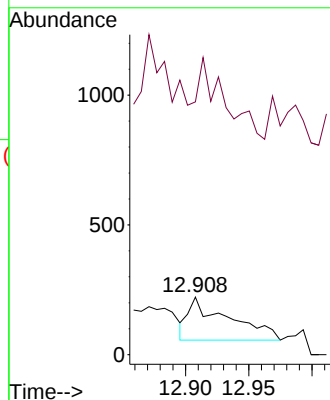
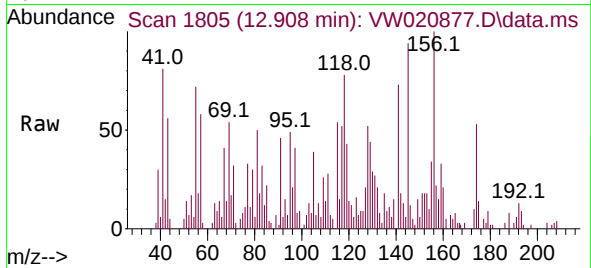




#76
1,2,3-Trichloropropane
Concen: 2.958 ug/l
RT: 12.908 min Scan# 11
Delta R.T. 0.140 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

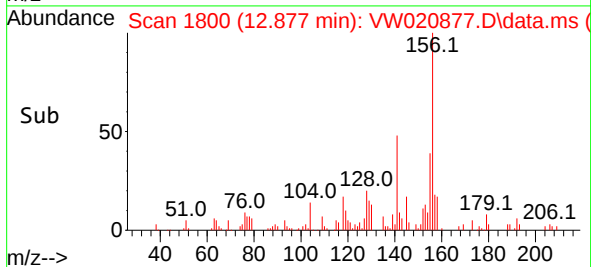
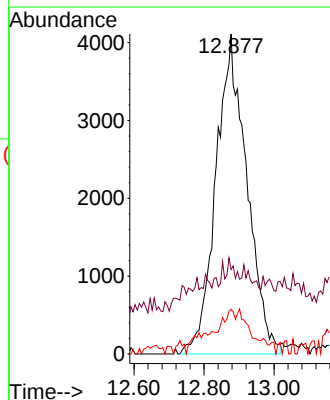
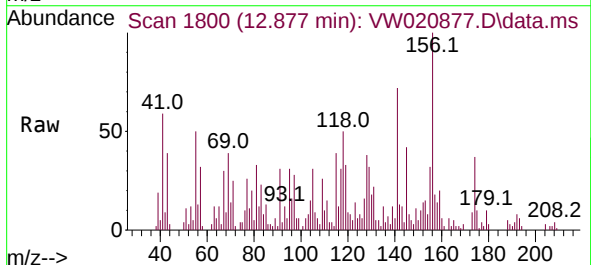
Instrument :
MSVOA_W
ClientSampleId :

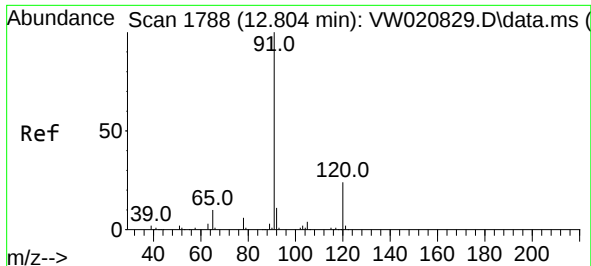
Tgt Ion: 75 Resp: 368
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 108.041 ug/l
RT: 12.877 min Scan# 1800
Delta R.T. 0.128 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion:156 Resp: 25272
Ion Ratio Lower Upper
156 100
77 1.2 91.8 275.6#
158 2.3 47.9 143.8#

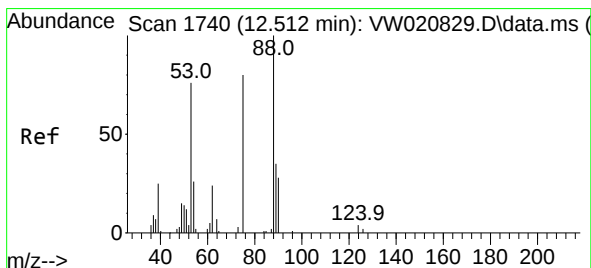
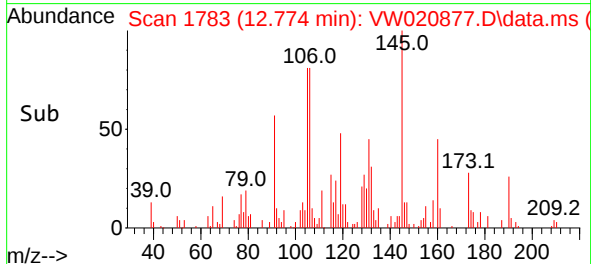
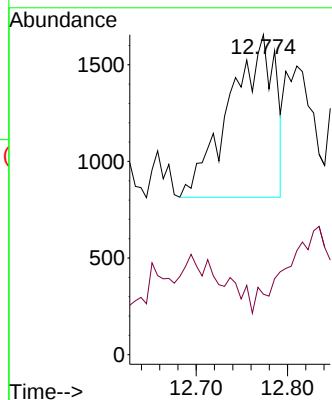
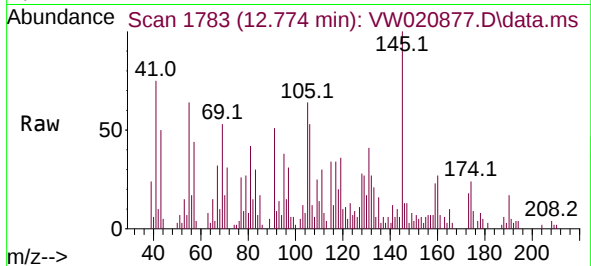




#78
n-propylbenzene
Concen: 2.373 ug/l
RT: 12.774 min Scan# 1783
Delta R.T. -0.031 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

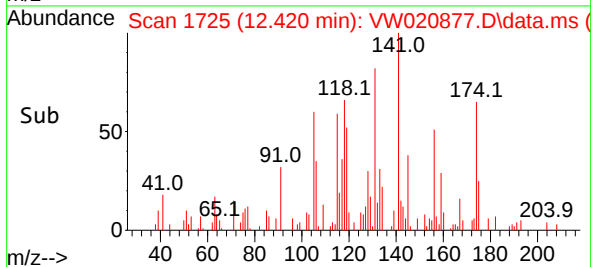
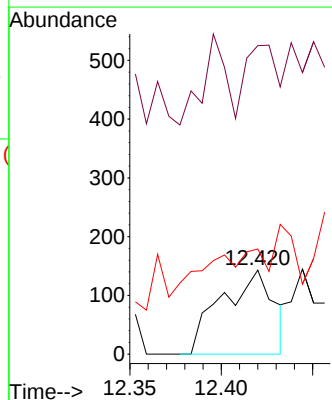
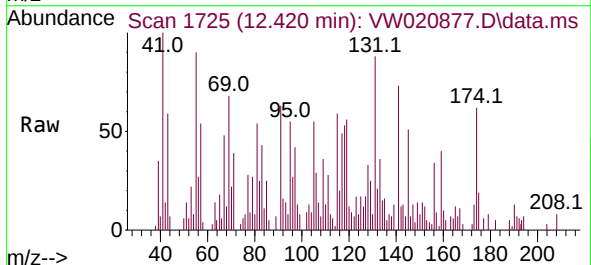
Instrument :
MSVOA_W
ClientSampleId :

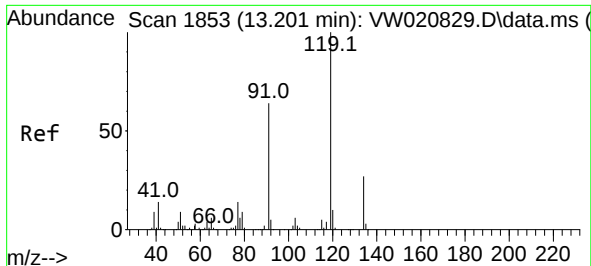
Tgt Ion: 91 Resp: 2910
Ion Ratio Lower Upper
91 100
120 0.0 11.7 35.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 4.493 ug/l
RT: 12.420 min Scan# 1725
Delta R.T. -0.092 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion: 75 Resp: 284
Ion Ratio Lower Upper
75 100
53 52.1 83.7 125.5#
89 97.9 36.7 55.1#

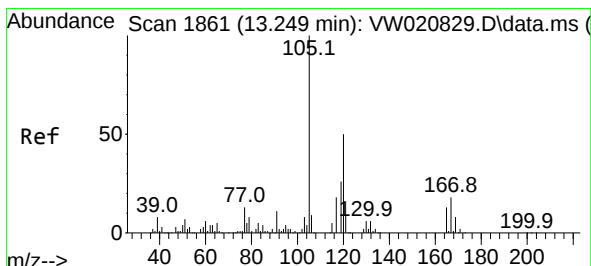
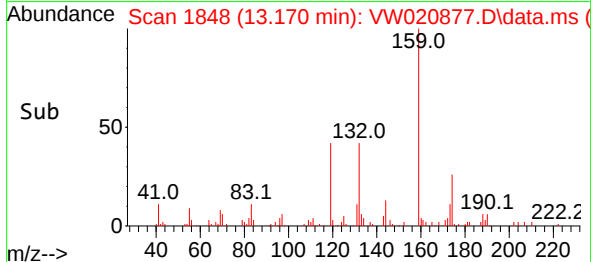
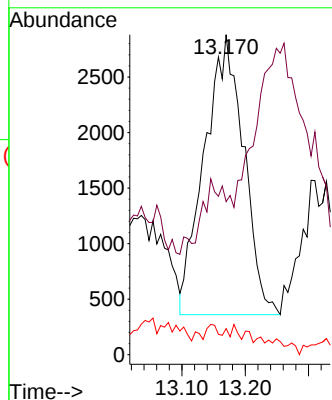
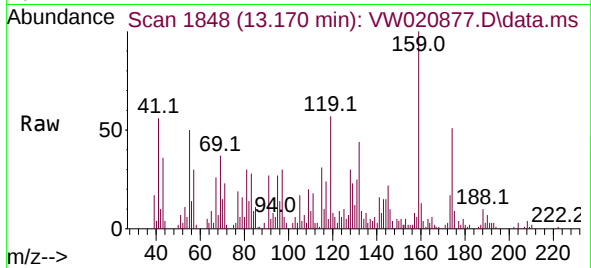




#83
tert-Butylbenzene
Concen: 13.776 ug/l
RT: 13.170 min Scan# 119
Delta R.T. -0.031 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

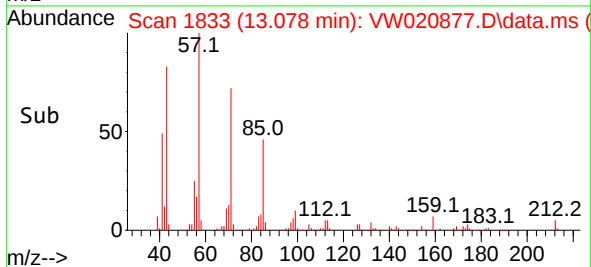
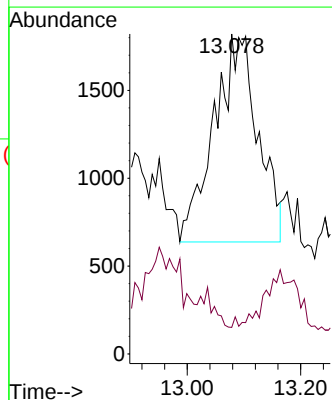
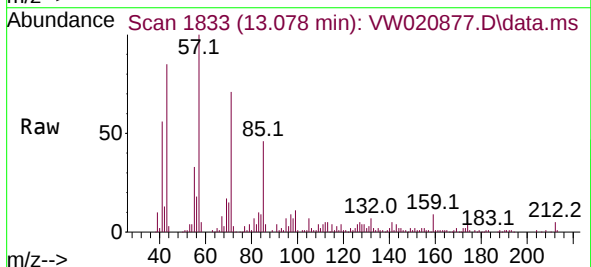
Instrument :
MSVOA_W
ClientSampleId :

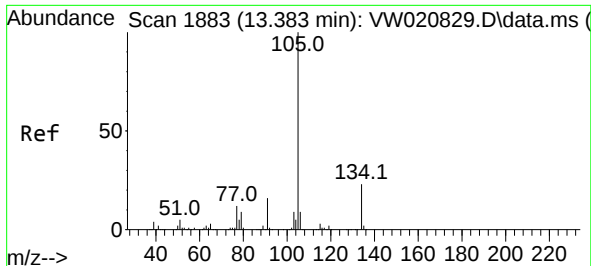
Tgt Ion:119 Resp: 10878
Ion Ratio Lower Upper
119 100
91 0.0 32.9 98.7#
134 0.0 12.4 37.2#



#84
1,2,4-Trimethylbenzene
Concen: 7.678 ug/l
RT: 13.078 min Scan# 1833
Delta R.T. -0.171 min
Lab File: VW020877.D
Acq: 13 Nov 2021 00:49

Tgt Ion:105 Resp: 6346
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.7#





#85

sec-Butylbenzene

Concen: 10.034 ug/l

RT: 13.450 min Scan# 1894

Delta R.T. 0.067 min

Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

Instrument :

MSVOA_W

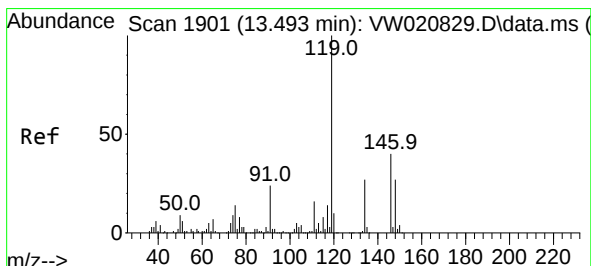
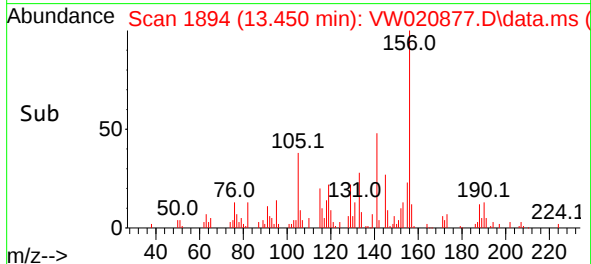
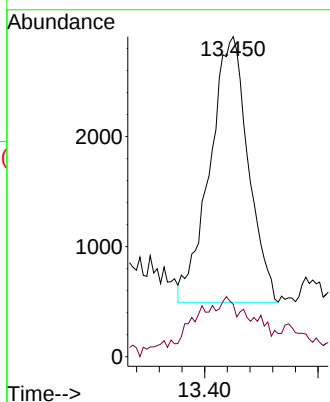
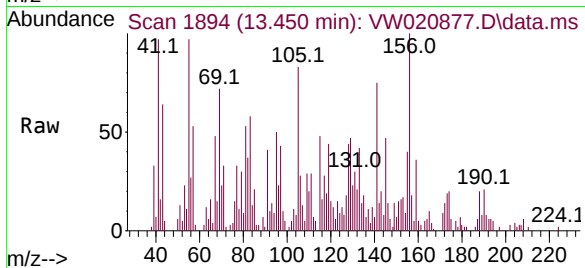
ClientSampleId :

Tgt Ion:105 Resp: 11325

Ion Ratio Lower Upper

105 100

134 4.6 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 7.266 ug/l

RT: 13.463 min Scan# 1896

Delta R.T. -0.031 min

Lab File: VW020877.D

Acq: 13 Nov 2021 00:49

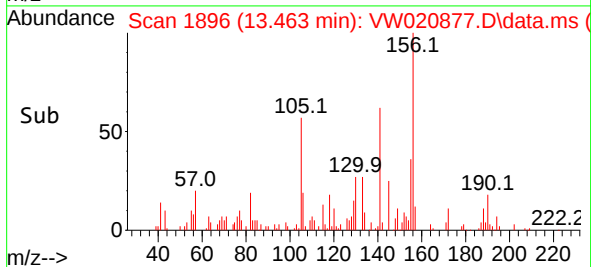
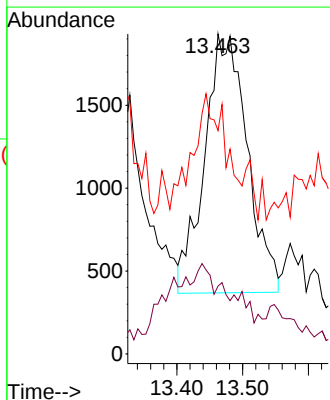
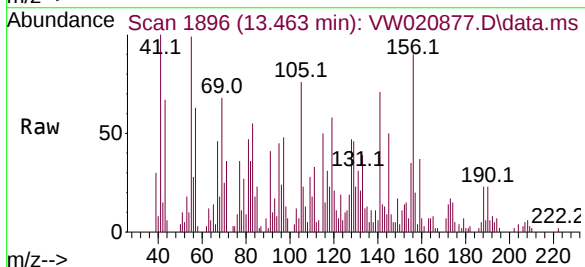
Tgt Ion:119 Resp: 7029

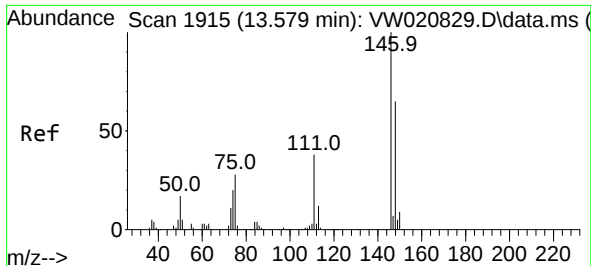
Ion Ratio Lower Upper

119 100

134 0.0 13.0 38.9#

91 0.0 12.0 36.0#

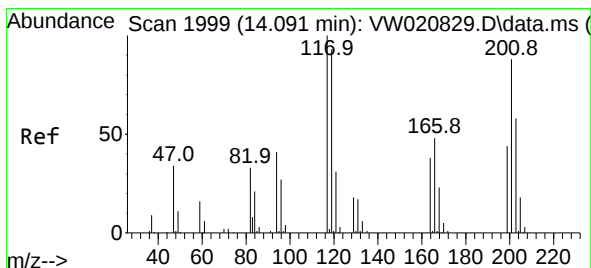
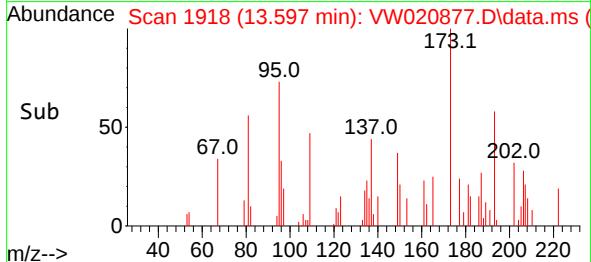
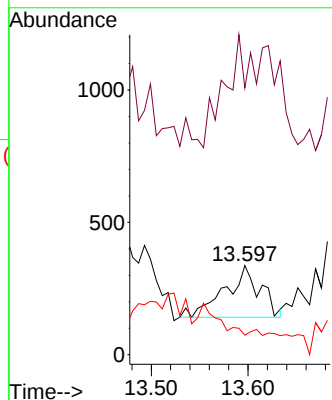
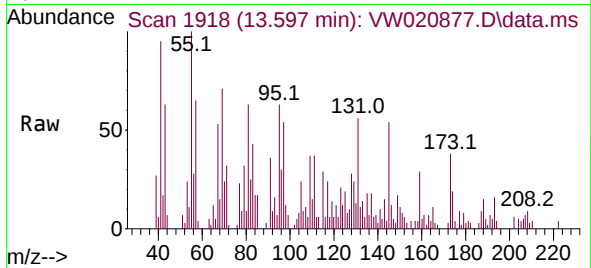




#88
 1,4-Dichlorobenzene
 Concen: 1.059 ug/l
 RT: 13.597 min Scan# 1915
 Delta R.T. 0.018 min
 Lab File: VW020877.D
 Acq: 13 Nov 2021 00:49

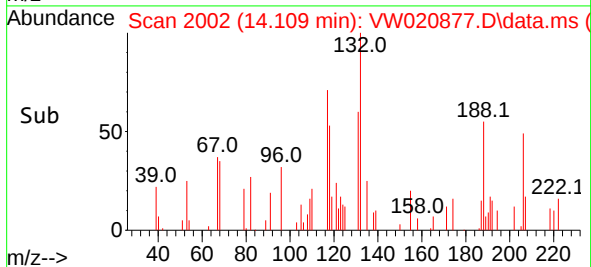
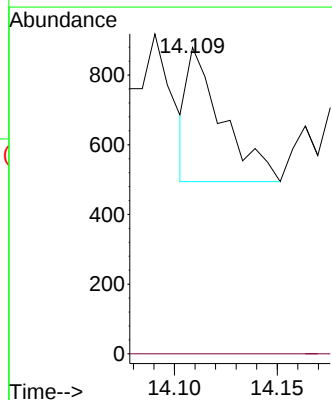
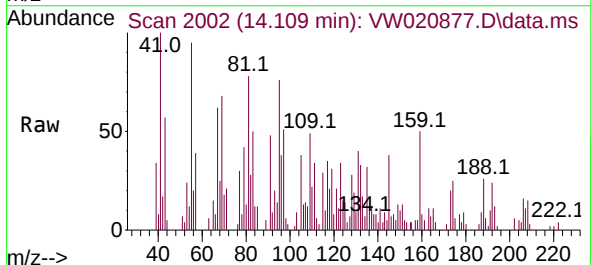
Instrument :
 MSVOA_W
 ClientSampleId :

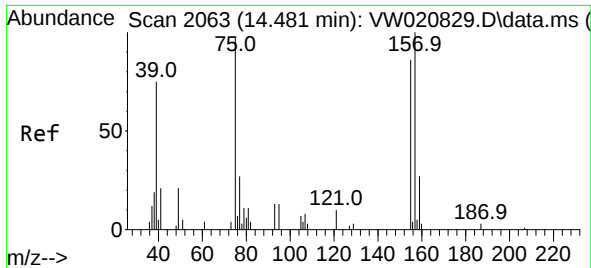
Tgt Ion:146 Resp: 495
 Ion Ratio Lower Upper
 146 100
 111 121.8 19.4 58.4#
 148 0.0 32.4 97.2#



#90
 Hexachloroethane
 Concen: 2.441 ug/l
 RT: 14.109 min Scan# 2002
 Delta R.T. 0.018 min
 Lab File: VW020877.D
 Acq: 13 Nov 2021 00:49

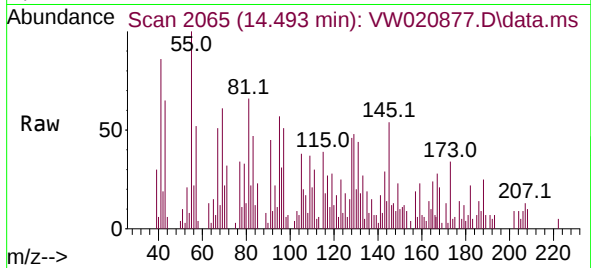
Tgt Ion:117 Resp: 454
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.4 127.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.189 ug/l
 RT: 14.493 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VW020877.D
 Acq: 13 Nov 2021 00:49

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 43
 Ion Ratio Lower Upper
 75 100
 155 234.9 42.5 127.6#
 157 0.0 53.4 160.2#

