

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010522\
 Data File : VW021745.D
 Acq On : 05 Jan 2022 20:57
 Operator : SY/VA
 Sample : M5342-09
 Misc : 6.25g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(0-2)

Quant Time: Jan 06 05:55:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W010522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 05 14:56:42 2022
 Response via : Initial Calibration

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

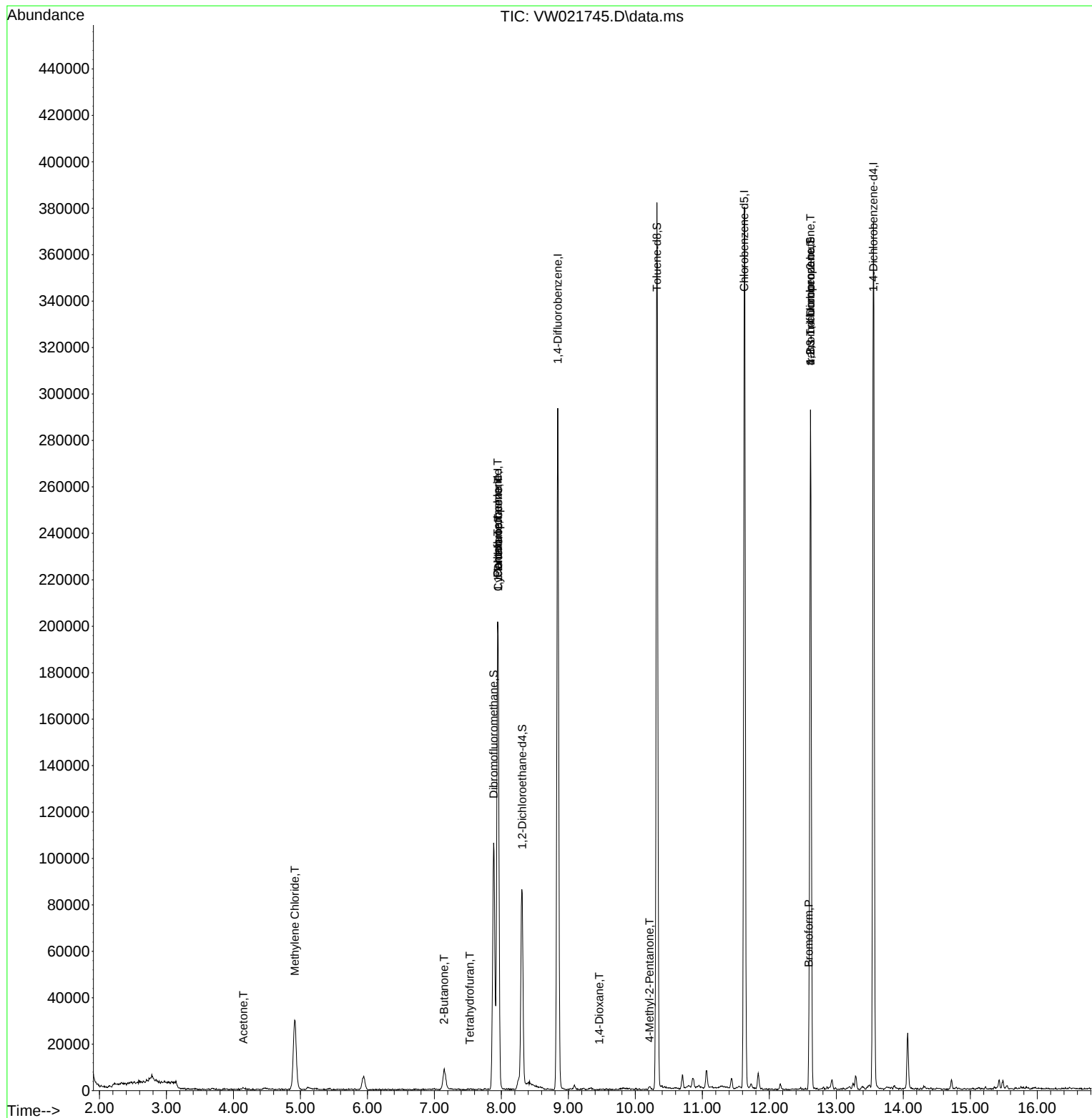
Internal Standards						
1) Pentafluorobenzene	7.945	168	161628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	254214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	228017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	103081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	70266	49.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.660%
35) Dibromofluoromethane	7.884	113	73468	46.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.860%
50) Toluene-d8	10.323	98	257648	44.993	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.980%
62) 4-Bromofluorobenzene	12.615	95	86642	40.761	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	581	Below Cal	#	84
13) Acrolein	4.031	56	20	Below Cal	#	11
16) Acetone	4.147	43	1225	4.554	ug/l #	80
20) Methylene Chloride	4.915	84	24559	4.304	ug/l	92
25) 2-Butanone	7.147	43	664	1.923	ug/l #	49
29) Tetrahydrofuran	7.531	42	256	1.257	ug/l #	31
31) Cyclohexane	7.951	56	3009	1.214	ug/l #	28
36) 1,1-Dichloropropene	7.951	75	11027	4.904	ug/l #	50
38) Carbon Tetrachloride	7.945	117	15808	6.508	ug/l #	18
49) 1,4-Dioxane	9.463	88	27	2.597	ug/l #	21
51) 4-Methyl-2-Pentanone	10.213	43	1102	1.498	ug/l	94
71) Bromoform	12.591	173	19	4.322	ug/l #	27
76) 1,2,3-Trichloropropane	12.615	75	44647	58.557	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	44647	166.144	ug/l #	9

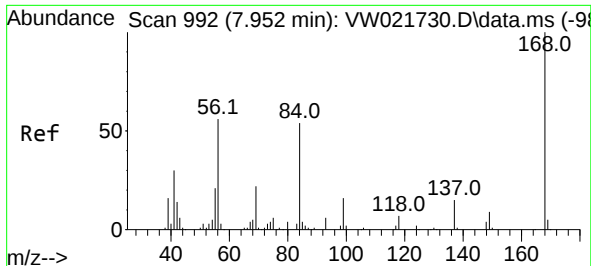
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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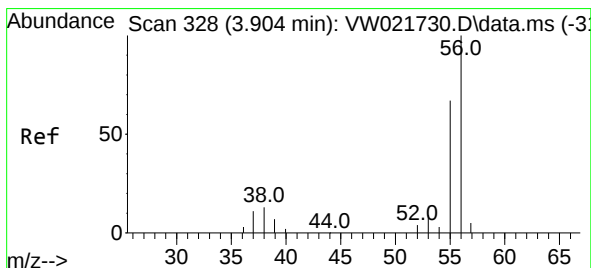
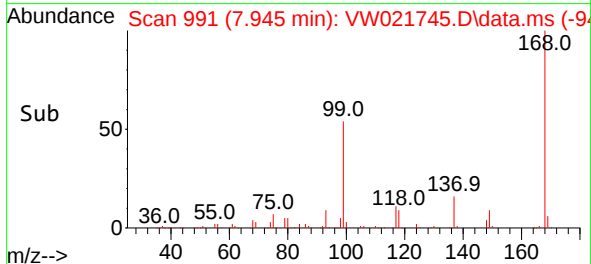
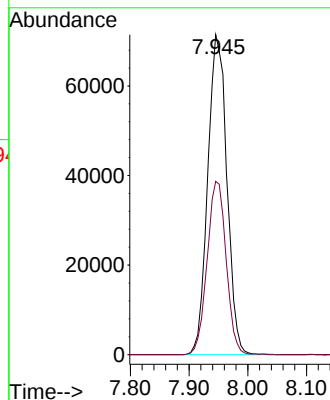
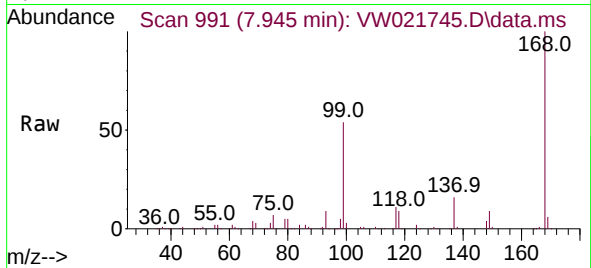




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.945 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

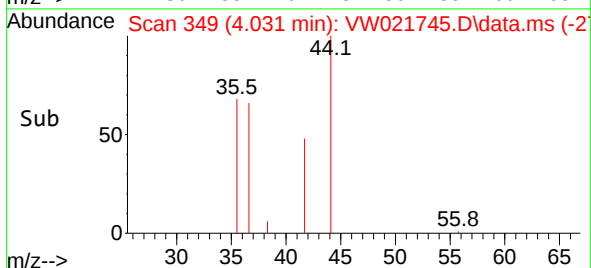
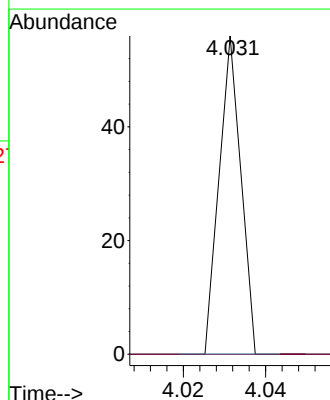
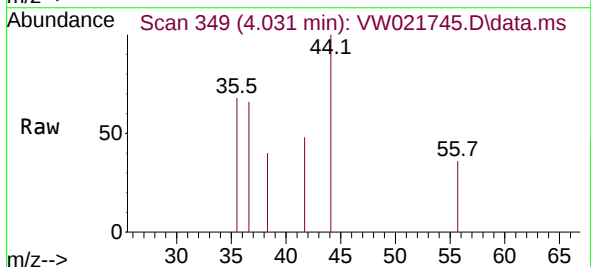
Instrument :
MSVOA_W
ClientSampleId :
SB-10-(0-2)

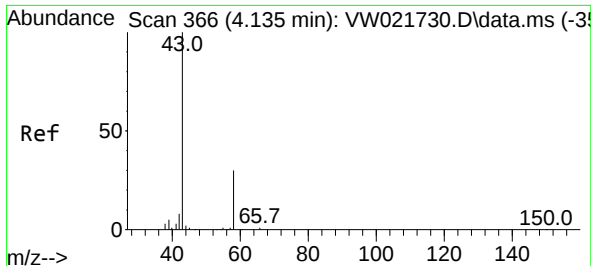
Tgt Ion:168 Resp: 161628
Ion Ratio Lower Upper
168 100
99 54.1 41.6 62.4



#13
Acrolein
Concen: Below Cal
RT: 4.031 min Scan# 349
Delta R.T. 0.140 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 61.2 91.8#

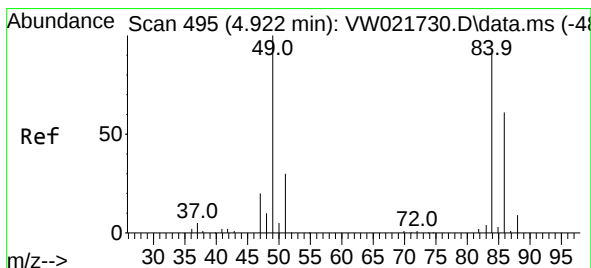
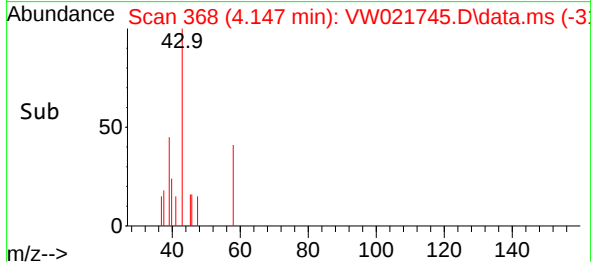
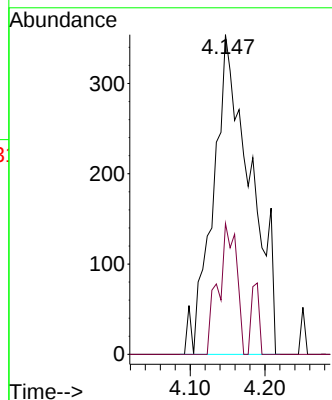
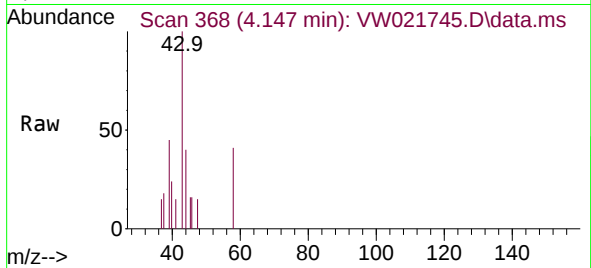




#16
Acetone
Concen: 4.554 ug/l
RT: 4.147 min Scan# 30
Delta R.T. 0.024 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

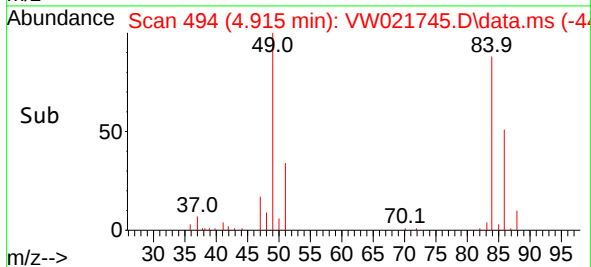
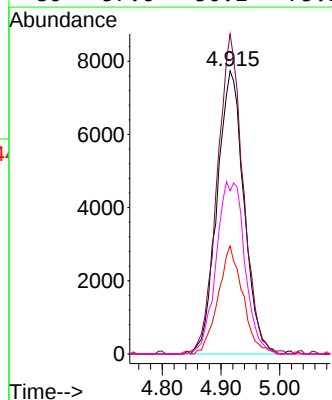
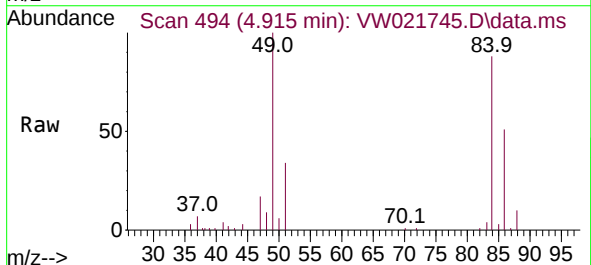
Instrument :
MSVOA_W
ClientSampleId :
SB-10-(0-2)

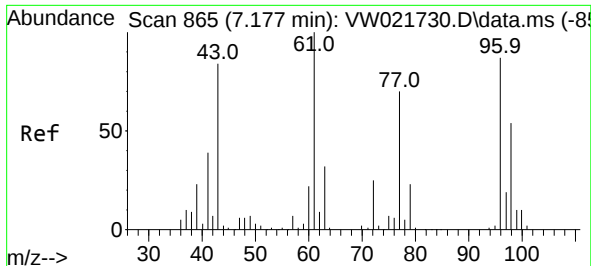
Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
58 41.0 24.2 36.2#



#20
Methylene Chloride
Concen: 4.304 ug/l
RT: 4.915 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

Tgt Ion: 84 Resp: 24559
Ion Ratio Lower Upper
84 100
49 113.1 99.1 148.7
51 38.2 28.8 43.2
86 57.6 50.1 75.1

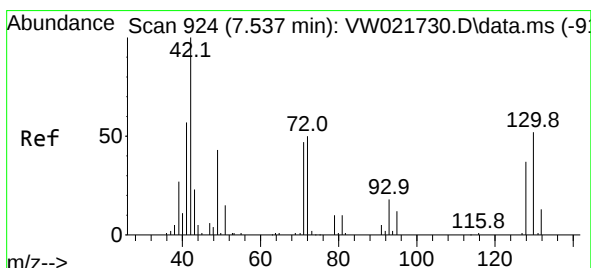
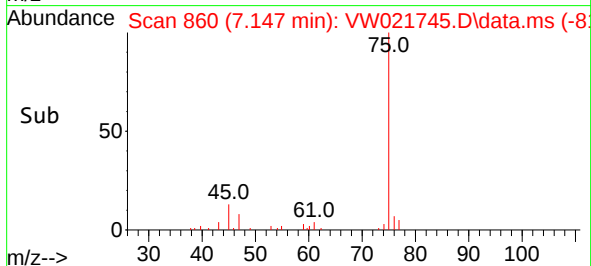
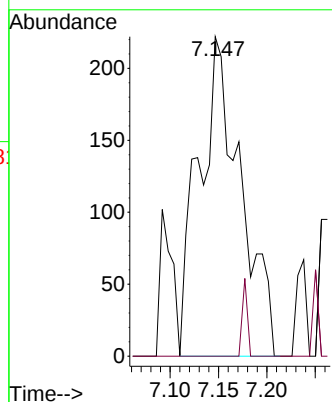
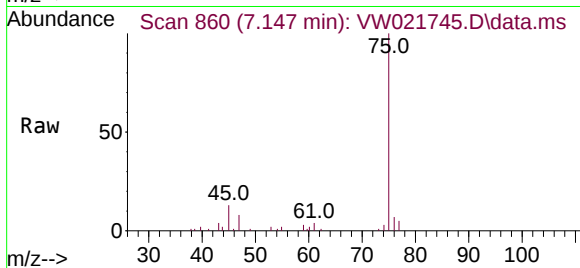




#25
2-Butanone
Concen: 1.923 ug/l
RT: 7.147 min Scan# 864
Delta R.T. -0.024 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

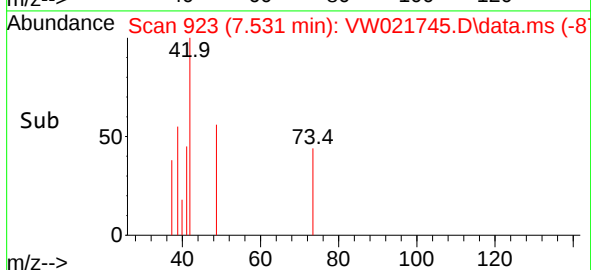
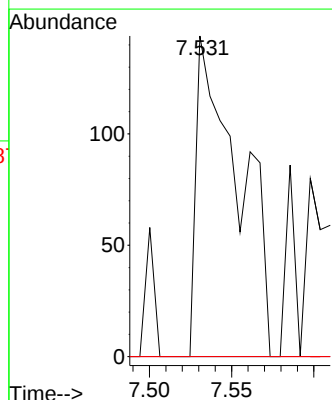
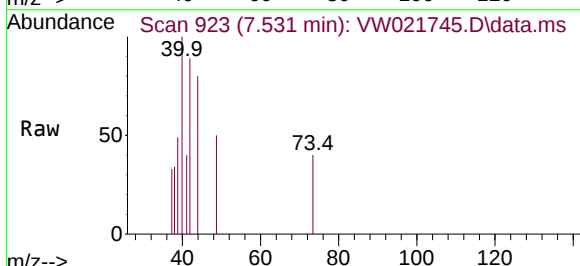
Instrument :
MSVOA_W
ClientSampleId :
SB-10-(0-2)

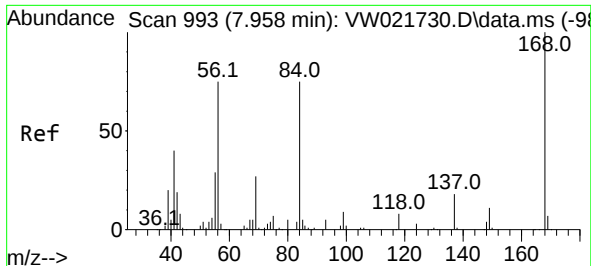
Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#29
Tetrahydrofuran
Concen: 1.257 ug/l
RT: 7.531 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

Tgt Ion: 42 Resp: 256
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 0.0 34.7 52.1#

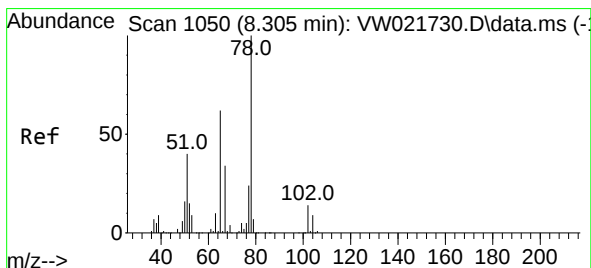
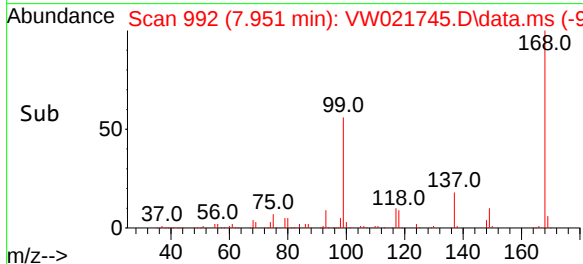
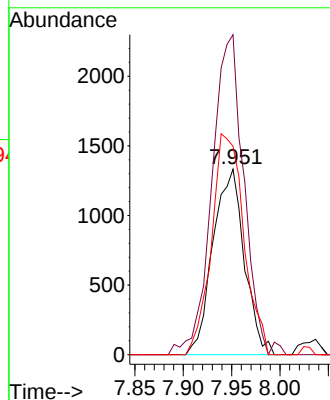
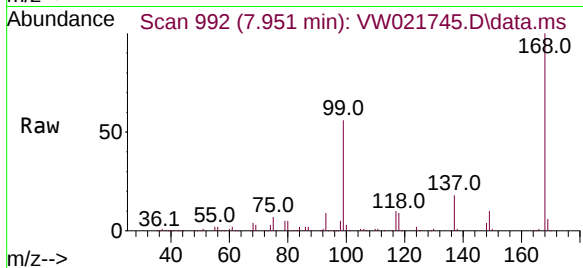




#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.951 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

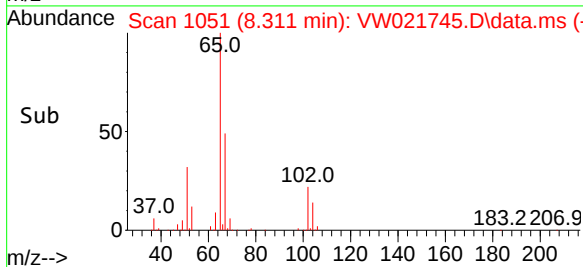
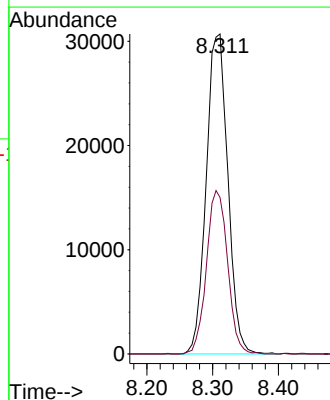
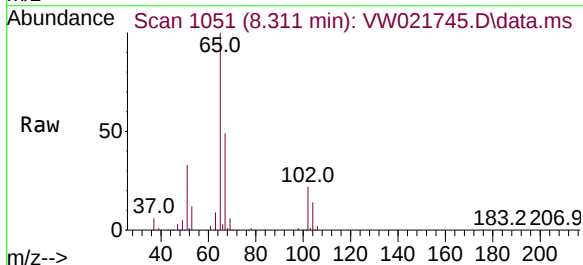
Instrument :
MSVOA_W
ClientSampleId :
SB-10-(0-2)

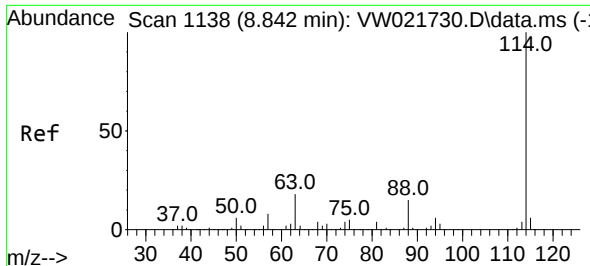
Tgt Ion: 56 Resp: 3009
Ion Ratio Lower Upper
56 100
69 168.5 28.7 43.1#
84 112.5 77.6 116.4



#33
1,2-Dichloroethane-d4
Concen: 49.326 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VW021745.D
Acq: 05 Jan 2022 20:57

Tgt Ion: 65 Resp: 70266
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.841 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)

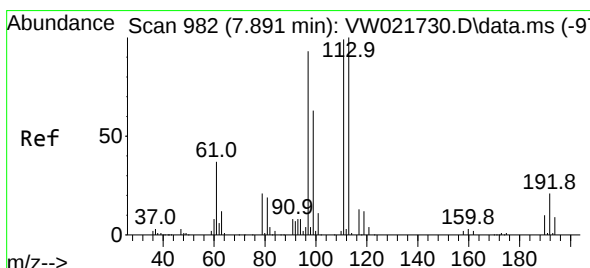
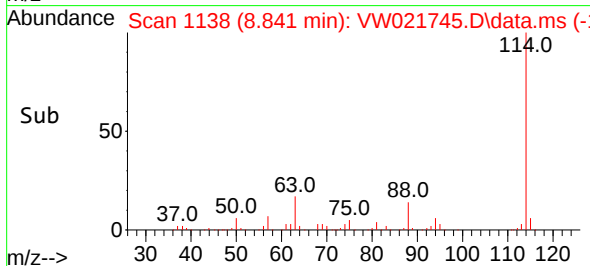
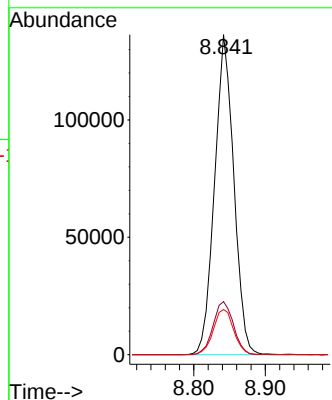
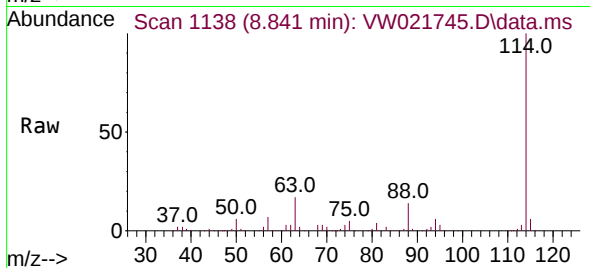
Tgt Ion:114 Resp: 254214

Ion Ratio Lower Upper

114 100

63 16.6 0.0 37.2

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.434 ug/l

RT: 7.884 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

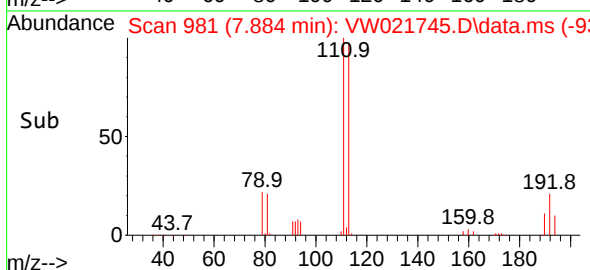
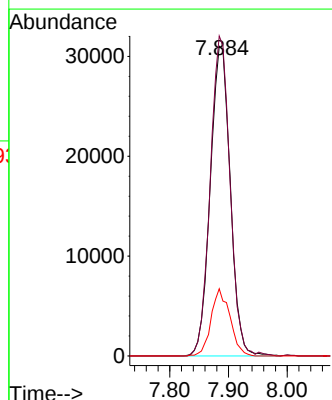
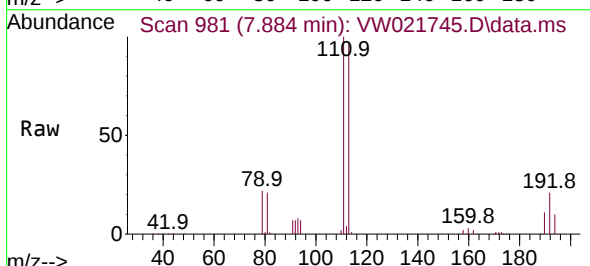
Tgt Ion:113 Resp: 73468

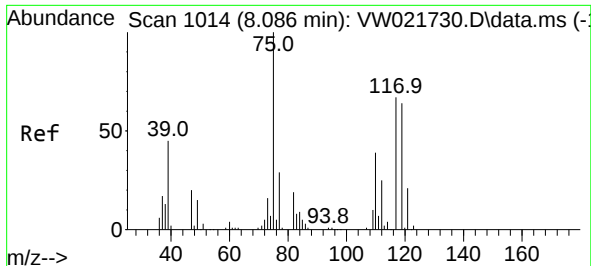
Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

192 20.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 7.951 min Scan# 992

Delta R.T. -0.135 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)

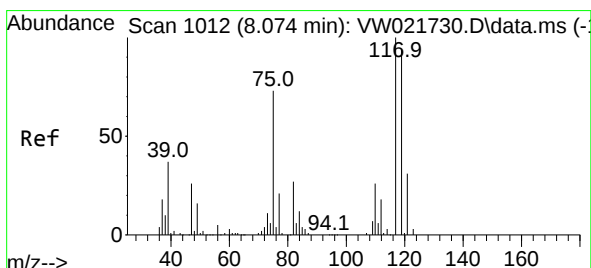
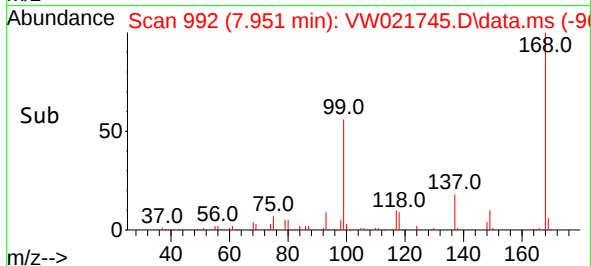
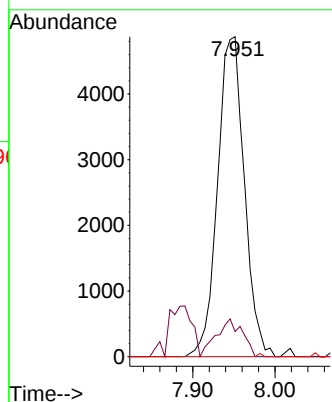
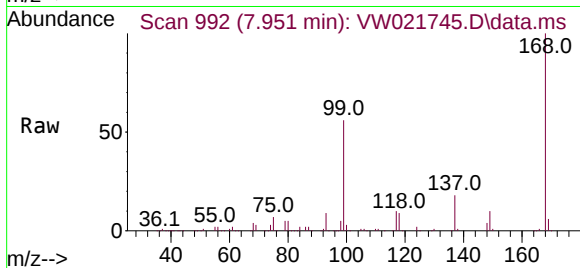
Tgt Ion: 75 Resp: 11027

Ion Ratio Lower Upper

75 100

110 11.4 19.1 57.5#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.508 ug/l

RT: 7.945 min Scan# 991

Delta R.T. -0.122 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

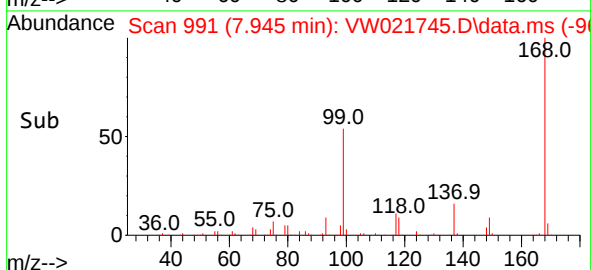
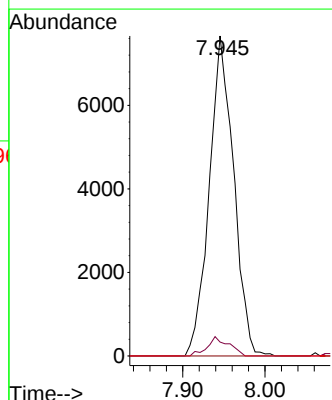
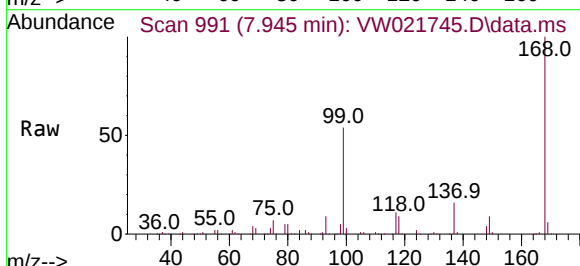
Tgt Ion: 117 Resp: 15808

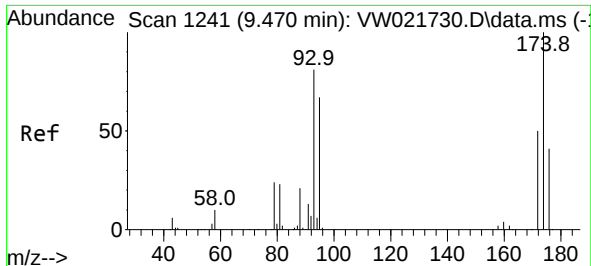
Ion Ratio Lower Upper

117 100

119 4.3 72.0 108.0#

121 0.0 22.6 33.8#





#49

1,4-Dioxane

Concen: 2.597 ug/l

RT: 9.463 min Scan# 11

Delta R.T. 0.012 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)

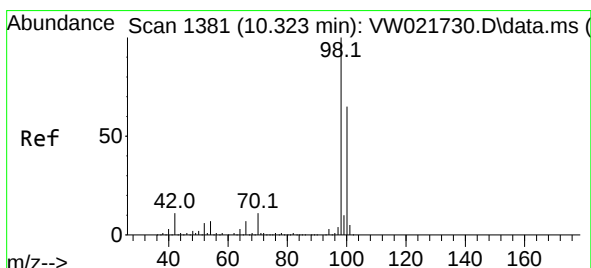
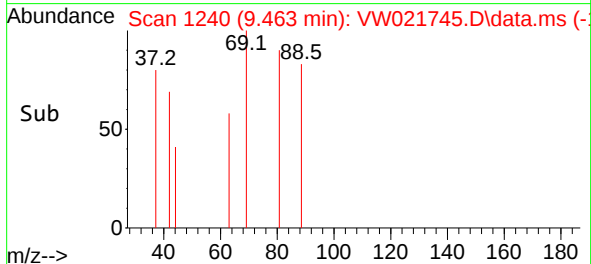
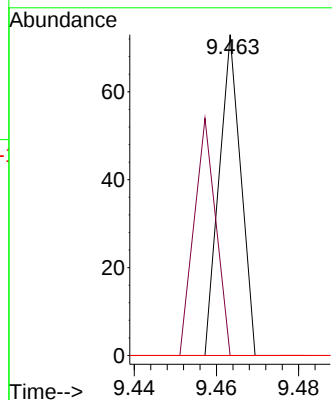
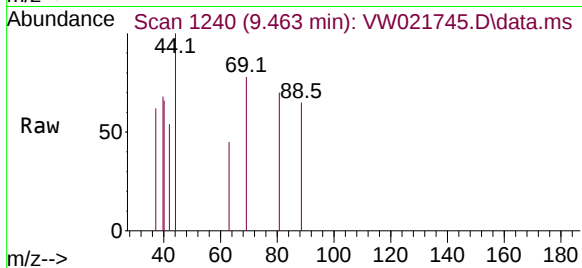
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 74.1 26.6 39.8#

58 0.0 51.8 77.8#



#50

Toluene-d8

Concen: 44.993 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VW021745.D

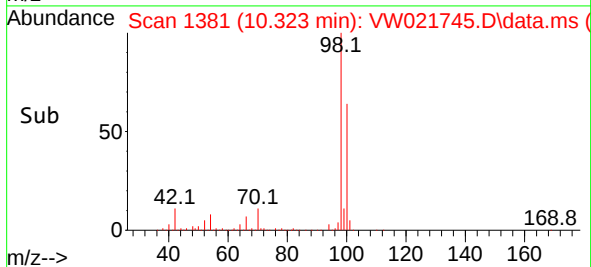
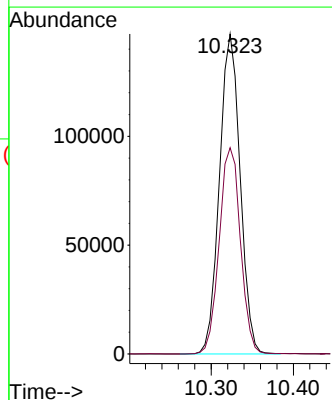
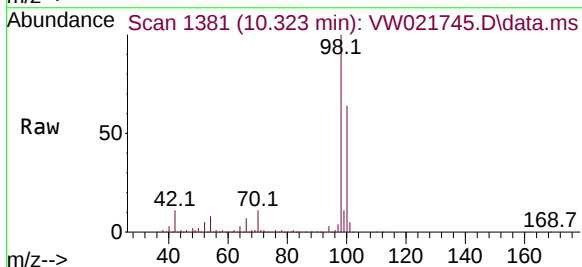
Acq: 05 Jan 2022 20:57

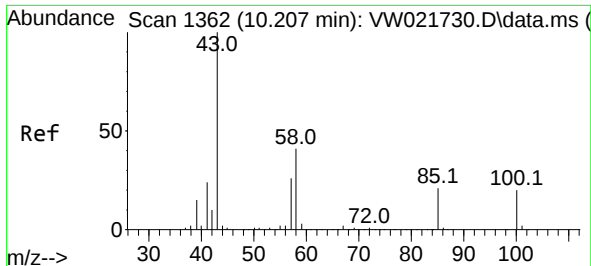
Tgt Ion: 98 Resp: 257648

Ion Ratio Lower Upper

98 100

100 66.1 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.498 ug/l

RT: 10.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

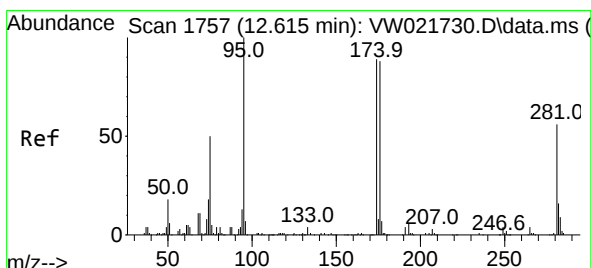
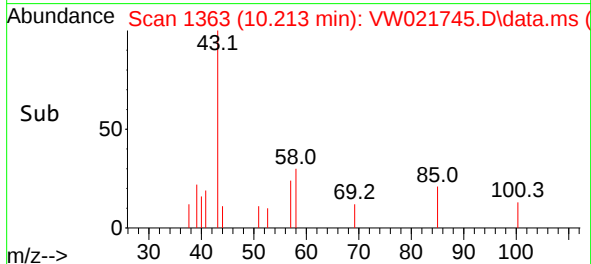
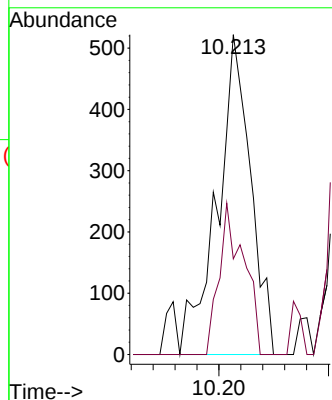
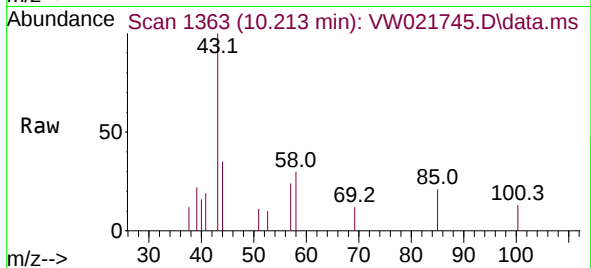
SB-10-(0-2)

Tgt Ion: 43 Resp: 1102

Ion Ratio Lower Upper

43 100

58 35.1 30.9 46.3



#62

4-Bromofluorobenzene

Concen: 40.761 ug/l

RT: 12.615 min Scan# 1757

Delta R.T. 0.000 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

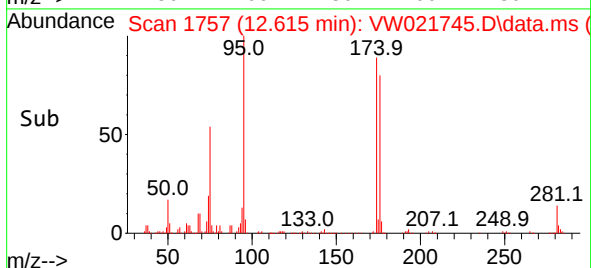
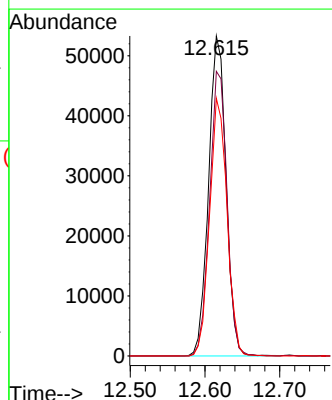
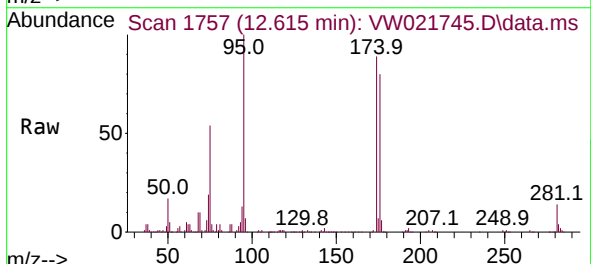
Tgt Ion: 95 Resp: 86642

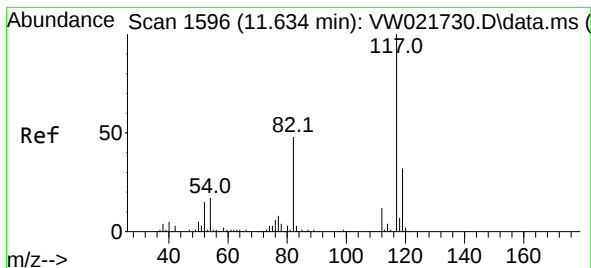
Ion Ratio Lower Upper

95 100

174 88.5 0.0 171.2

176 80.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.628 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)

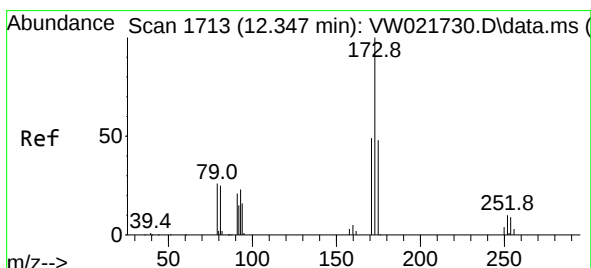
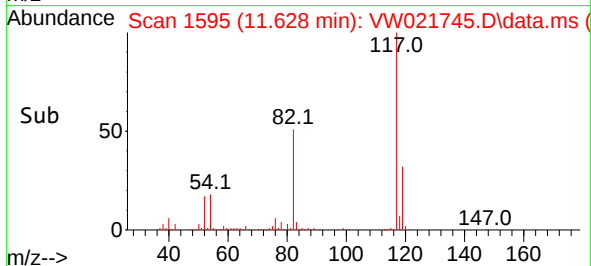
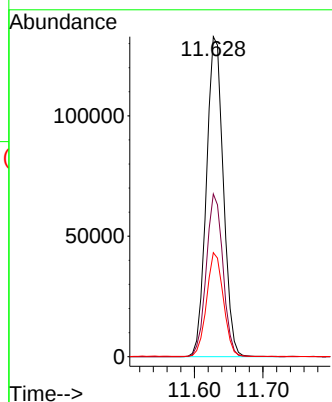
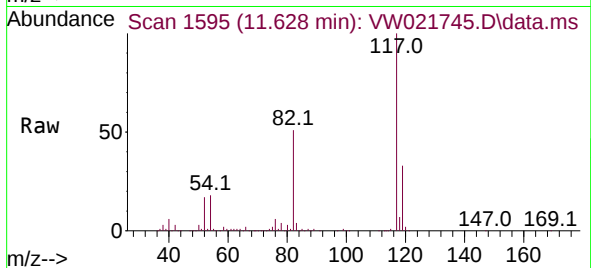
Tgt Ion:117 Resp: 228017

Ion Ratio Lower Upper

117 100

82 50.8 41.4 62.2

119 32.4 27.2 40.8



#71

Bromoform

Concen: 4.322 ug/l

RT: 12.591 min Scan# 1753

Delta R.T. 0.244 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

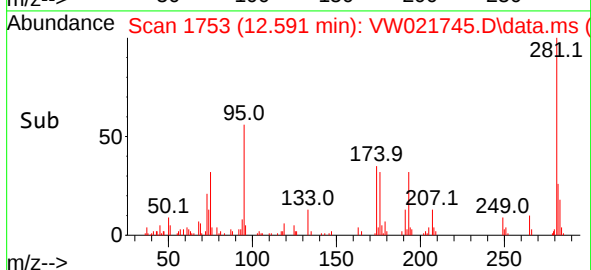
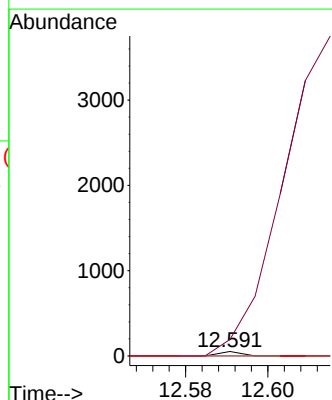
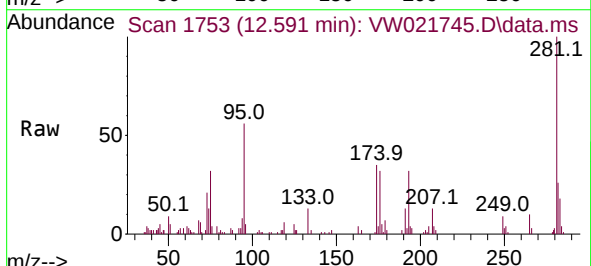
Tgt Ion:173 Resp: 19

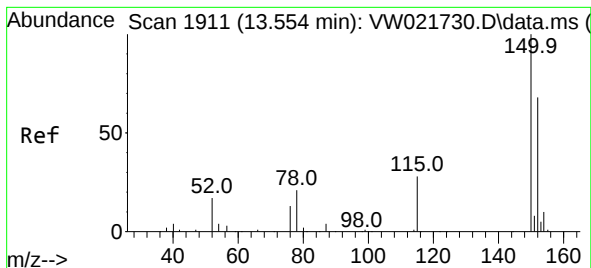
Ion Ratio Lower Upper

173 100

175 0.0 25.1 75.3#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.554 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VW021745.D

Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)

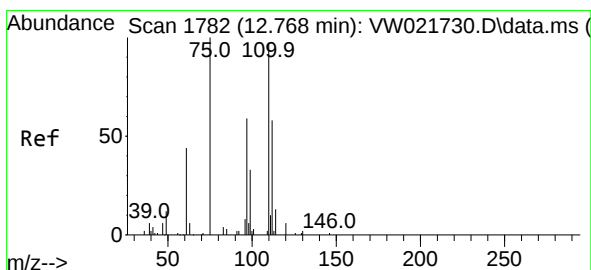
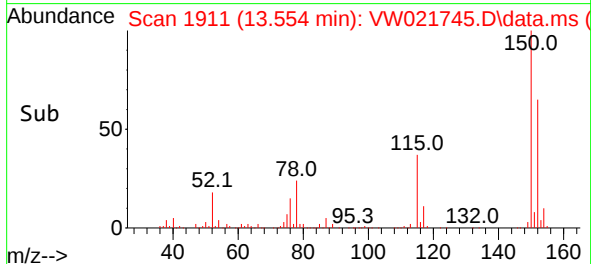
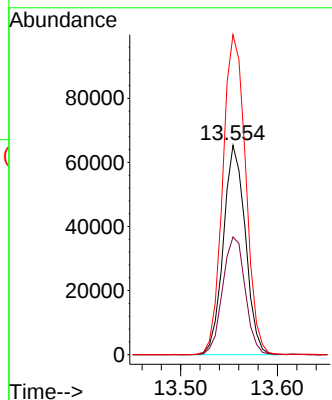
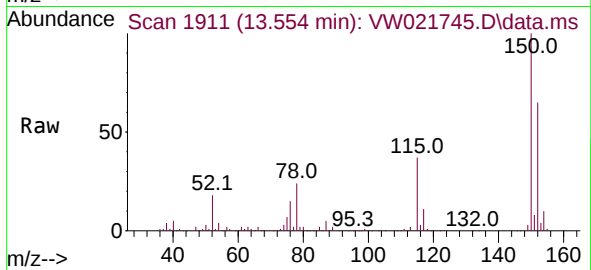
Tgt Ion:152 Resp: 103081

Ion Ratio Lower Upper

152 100

115 57.8 27.8 83.3

150 159.1 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 58.557 ug/l

RT: 12.615 min Scan# 1757

Delta R.T. -0.153 min

Lab File: VW021745.D

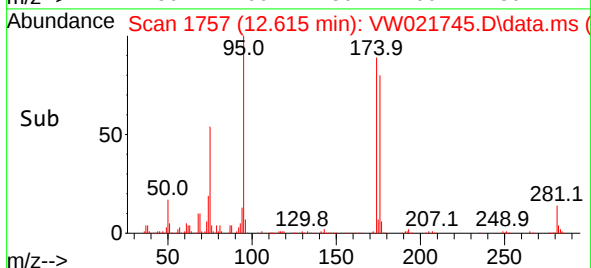
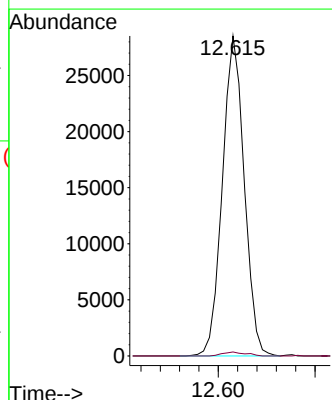
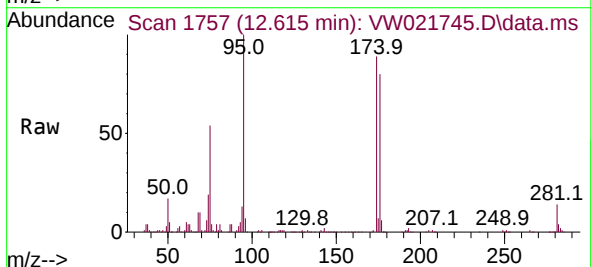
Acq: 05 Jan 2022 20:57

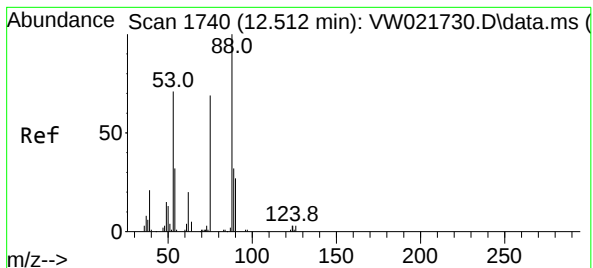
Tgt Ion: 75 Resp: 44647

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 166.144 ug/l

RT: 12.615 min Scan# 11

Delta R.T. 0.103 min

Lab File: VW021745.D

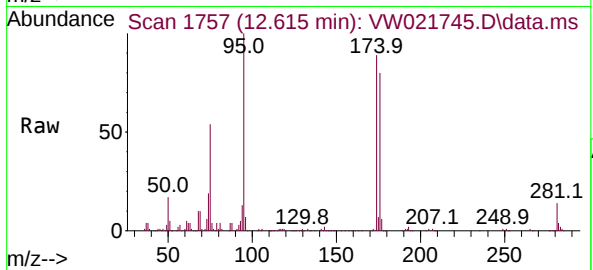
Acq: 05 Jan 2022 20:57

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)



Tgt Ion: 75 Resp: 44647

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

89 0.2 38.6 57.8#

