

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010522\
 Data File : VW021743.D
 Acq On : 05 Jan 2022 20:09
 Operator : SY/VA
 Sample : M5342-07
 Misc : 4.79g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9-(0-2)

Quant Time: Jan 06 05:54:41 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)

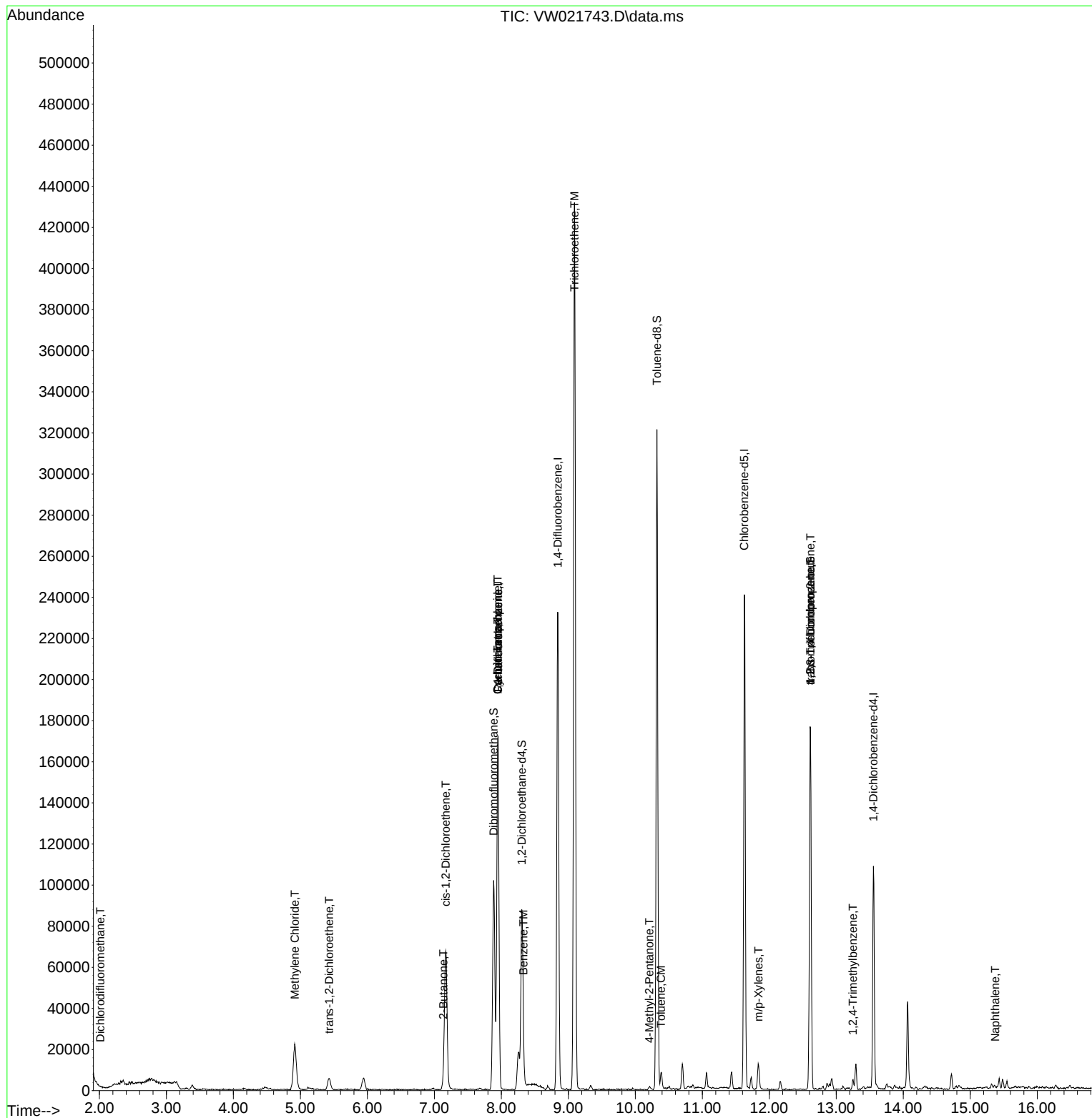
Internal Standards						
1) Pentafluorobenzene	7.952	168	133083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	210242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	139853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	29796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	67029	57.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.300%
35) Dibromofluoromethane	7.885	113	69969	53.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.940%
50) Toluene-d8	10.323	98	211992	44.763	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.520%
62) 4-Bromofluorobenzene	12.615	95	45132	25.673	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	51.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	23	6.491	ug/l #	41
11) Tert butyl alcohol	5.184	59	144	Below Cal	#	68
13) Acrolein	3.879	56	90	Below Cal	#	11
20) Methylene Chloride	4.916	84	18052	2.387	ug/l	89
21) trans-1,2-Dichloroethene	5.428	96	3727	2.735	ug/l #	70
25) 2-Butanone	7.135	43	445	1.565	ug/l #	49
27) cis-1,2-Dichloroethene	7.171	96	41145	27.589	ug/l	86
31) Cyclohexane	7.945	56	2787	1.366	ug/l #	10
36) 1,1-Dichloropropene	7.945	75	9418	5.064	ug/l #	50
38) Carbon Tetrachloride	7.945	117	13040	6.491	ug/l #	19
40) Benzene	8.330	78	10776	2.037	ug/l	98
44) Trichloroethene	9.092	130	154121	95.832	ug/l	97
51) 4-Methyl-2-Pentanone	10.207	43	912	1.499	ug/l #	64
52) Toluene	10.384	92	3783	1.092	ug/l	91
68) m/p-Xylenes	11.841	106	3706	1.893	ug/l	98
76) 1,2,3-Trichloropropane	12.615	75	22384	101.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	22384	288.172	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.249	105	3093	1.819	ug/l	94
95) Naphthalene	15.371	128	1594	1.724	ug/l	98

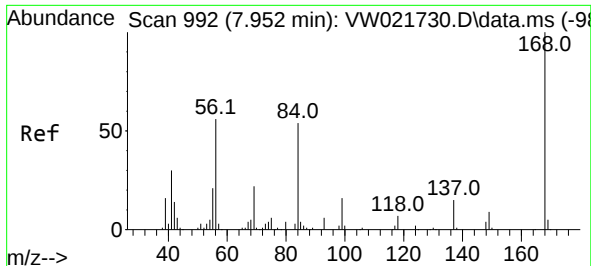
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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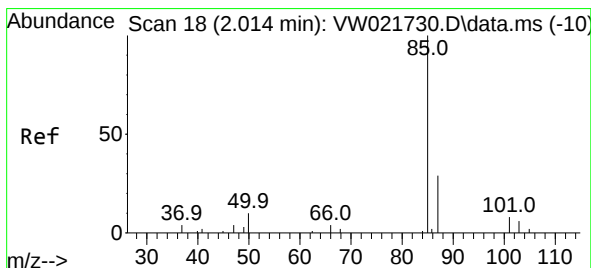
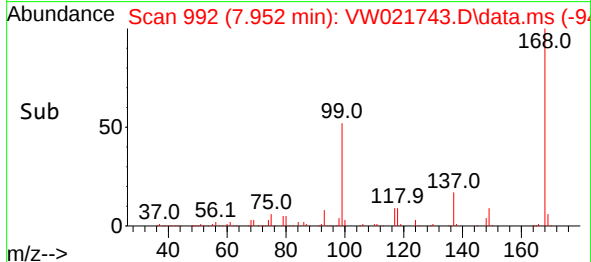
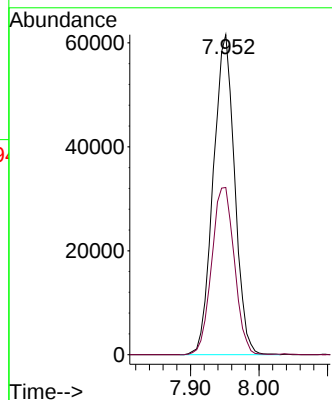
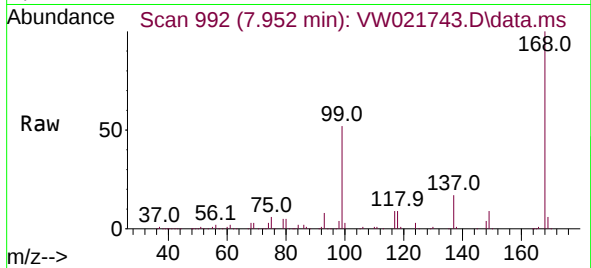




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 99
Delta R.T. 0.007 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

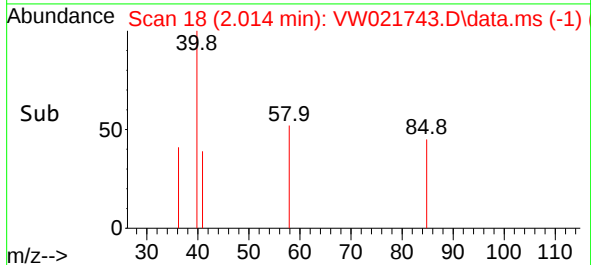
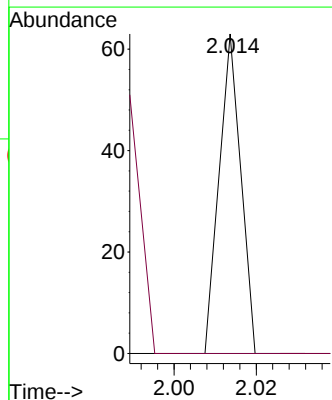
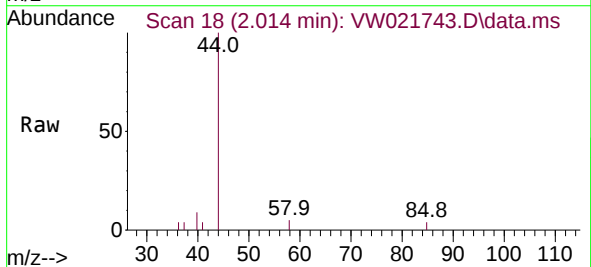
Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

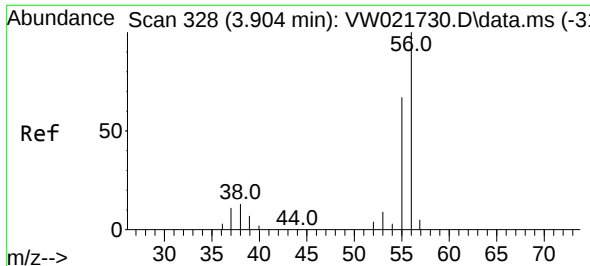
Tgt Ion:168 Resp: 133083
Ion Ratio Lower Upper
168 100
99 52.2 41.6 62.4



#2
Dichlorodifluoromethane
Concen: 6.491 ug/l
RT: 2.014 min Scan# 18
Delta R.T. 0.007 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.3#





#13

Acrolein

Concen: Below Cal

RT: 3.879 min Scan# 31

Delta R.T. -0.012 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

Instrument :

MSVOA_W

ClientSampleId :

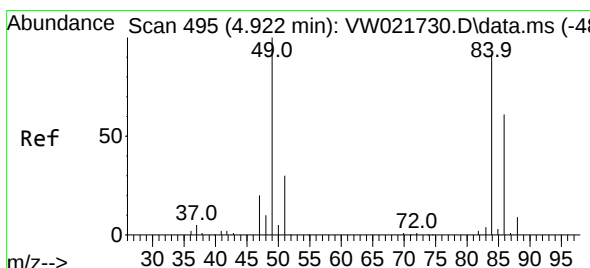
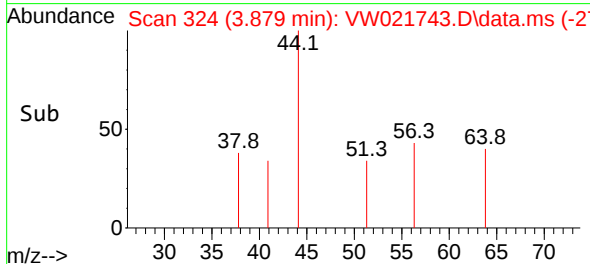
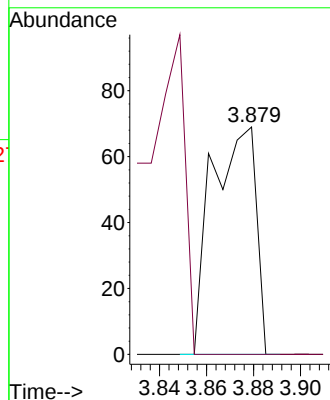
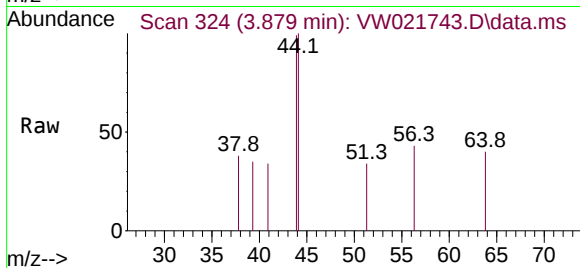
SB-9-(0-2)

Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 0.0 61.2 91.8#



#20

Methylene Chloride

Concen: 2.387 ug/l

RT: 4.916 min Scan# 494

Delta R.T. 0.007 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

Tgt Ion: 84 Resp: 18052

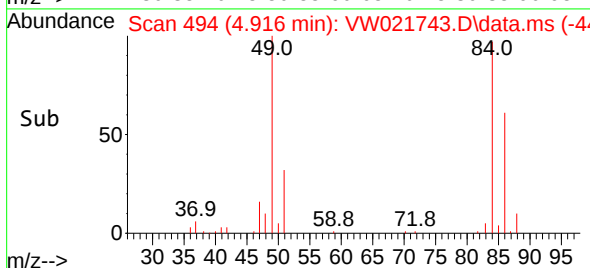
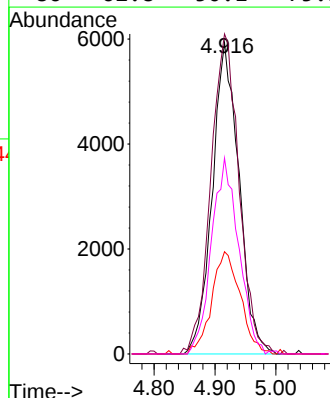
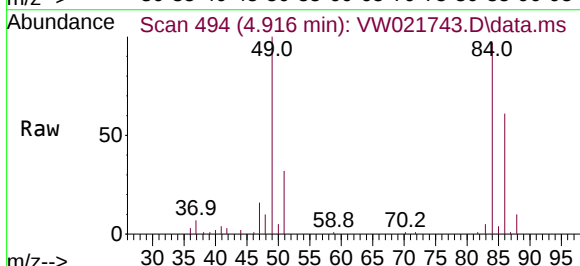
Ion Ratio Lower Upper

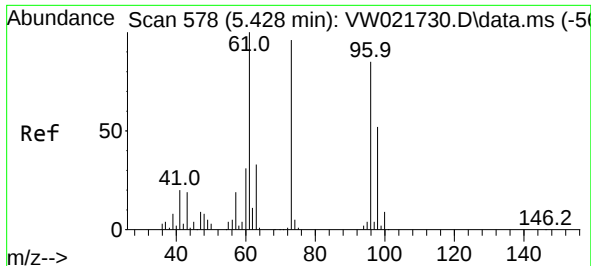
84 100

49 102.7 99.1 148.7

51 32.8 28.8 43.2

86 62.8 50.1 75.1

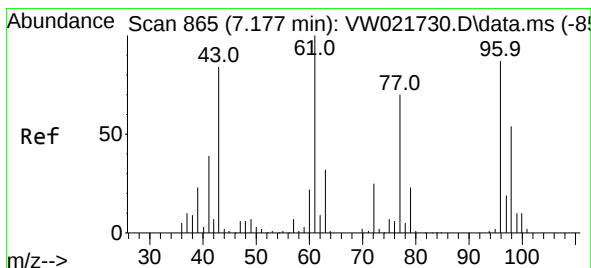
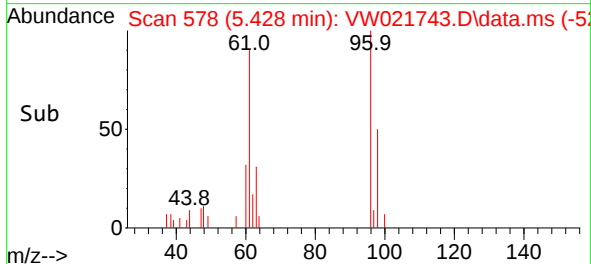
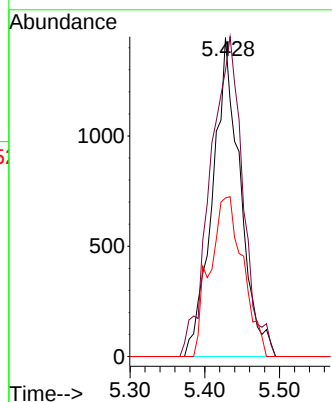
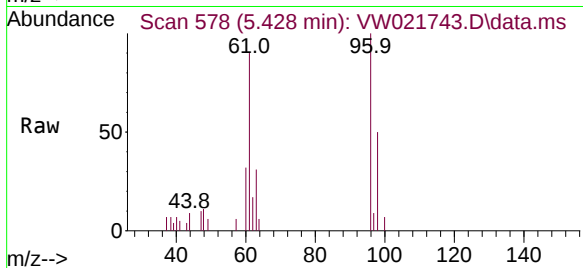




#21
trans-1,2-Dichloroethene
Concen: 2.735 ug/l
RT: 5.428 min Scan# 51
Delta R.T. 0.007 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

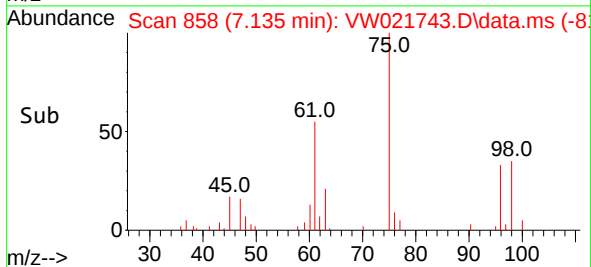
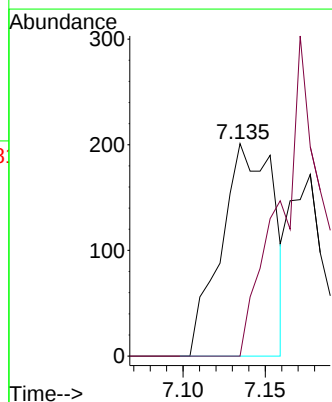
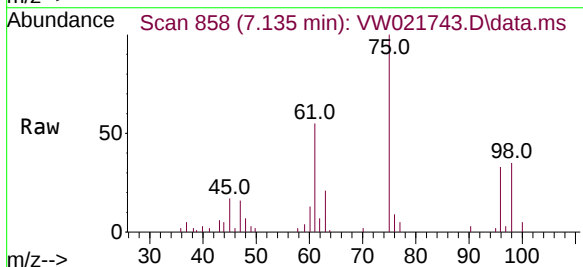
Instrument :
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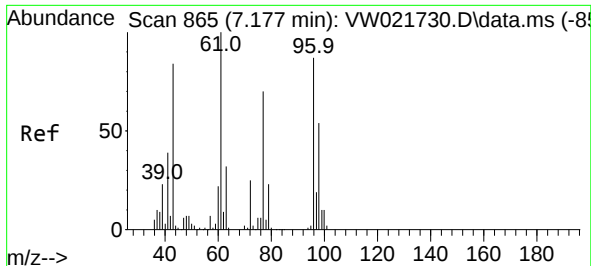
Tgt Ion: 96 Resp: 3727
Ion Ratio Lower Upper
96 100
61 89.8 105.7 158.5#
98 49.7 49.7 74.5



#25
2-Butanone
Concen: 1.565 ug/l
RT: 7.135 min Scan# 858
Delta R.T. -0.036 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#





#27

cis-1,2-Dichloroethene

Concen: 27.589 ug/l

RT: 7.171 min Scan# 8

Delta R.T. 0.000 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(0-2)

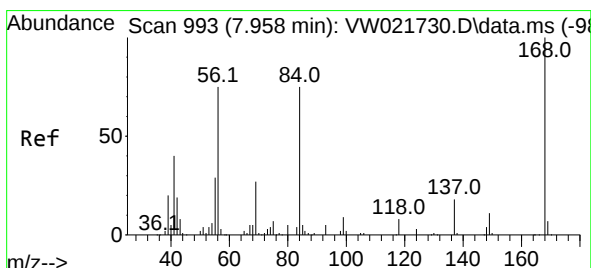
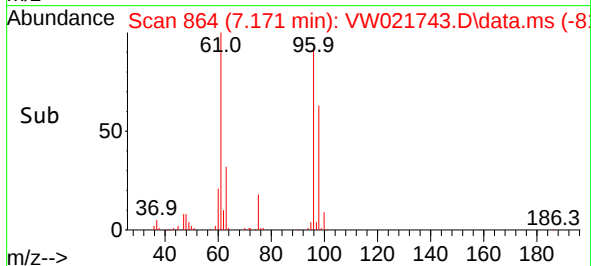
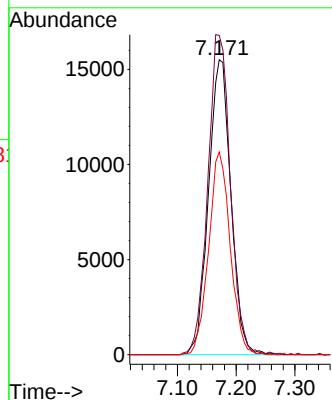
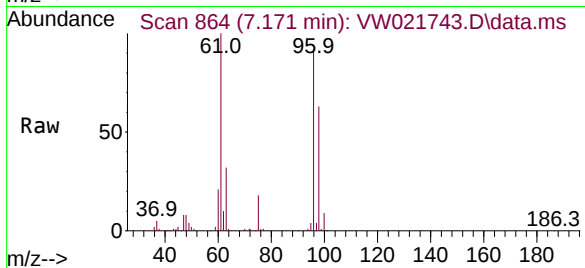
Tgt Ion: 96 Resp: 41145

Ion Ratio Lower Upper

96 100

61 109.4 0.0 266.6

98 66.1 0.0 129.4



#31

Cyclohexane

Concen: 1.366 ug/l

RT: 7.945 min Scan# 991

Delta R.T. -0.012 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

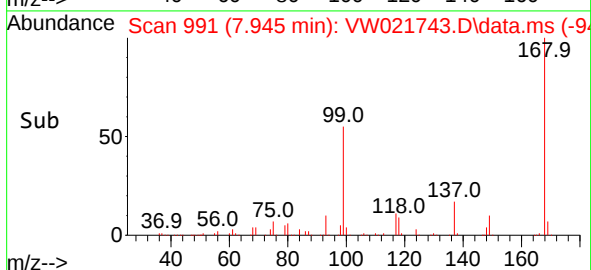
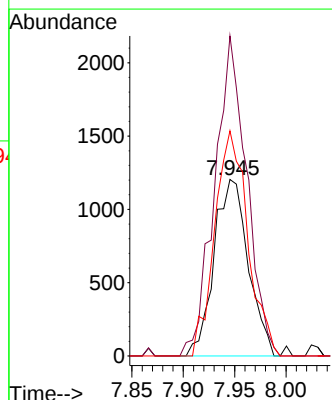
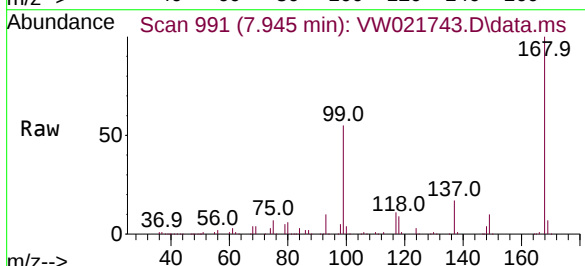
Tgt Ion: 56 Resp: 2787

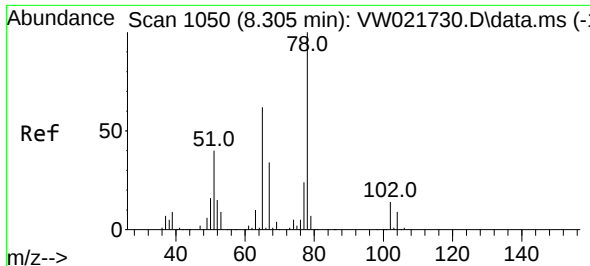
Ion Ratio Lower Upper

56 100

69 181.3 28.7 43.1#

84 127.6 77.6 116.4#

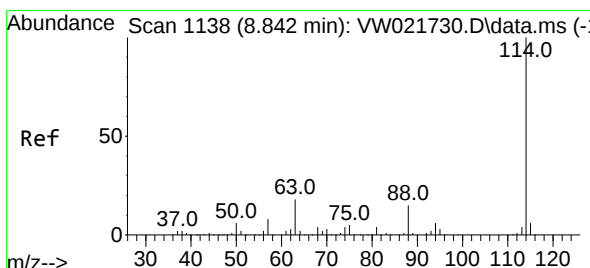
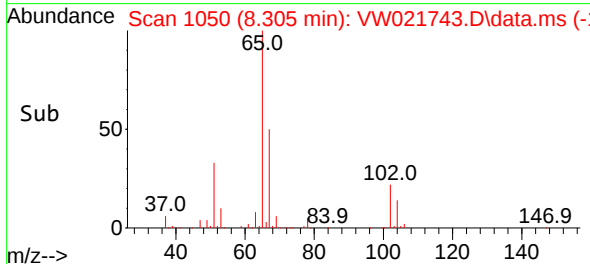
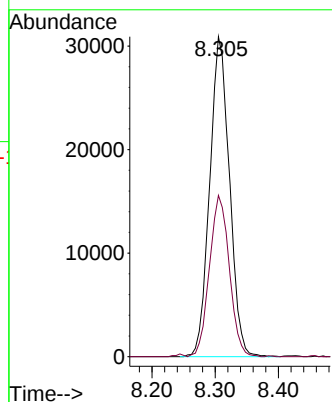
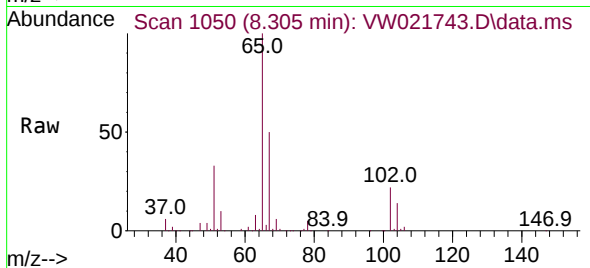




#33
 1,2-Dichloroethane-d4
 Concen: 57.146 ug/l
 RT: 8.305 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VW021743.D
 Acq: 05 Jan 2022 20:09

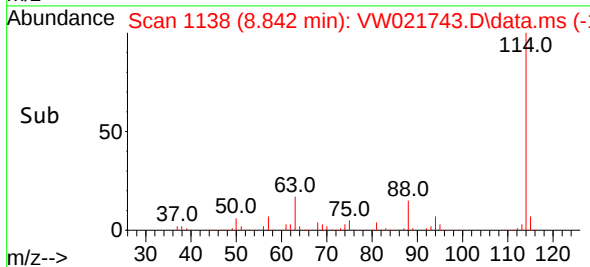
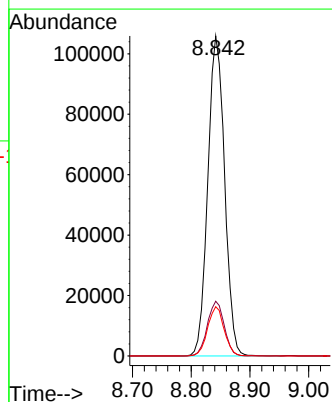
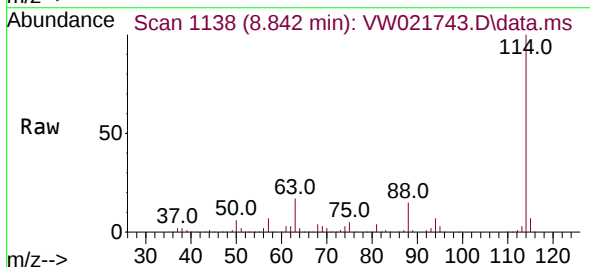
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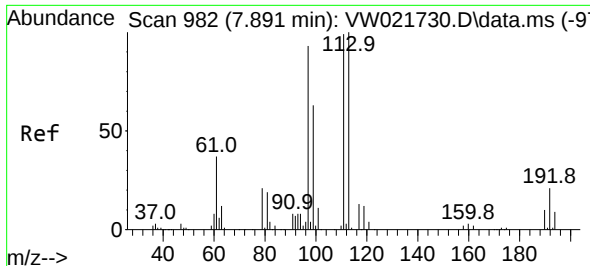
Tgt Ion: 65 Resp: 67029
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.842 min Scan# 1138
 Delta R.T. 0.001 min
 Lab File: VW021743.D
 Acq: 05 Jan 2022 20:09

Tgt Ion: 114 Resp: 210242
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 37.2
 88 15.4 0.0 28.8

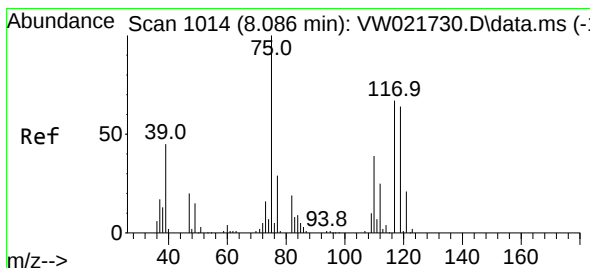
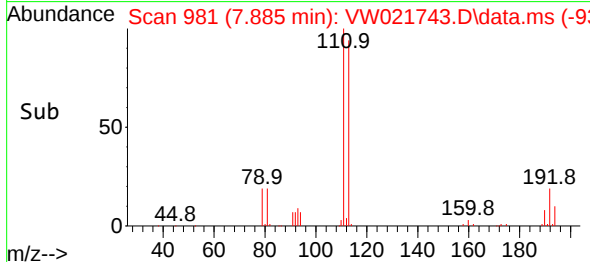
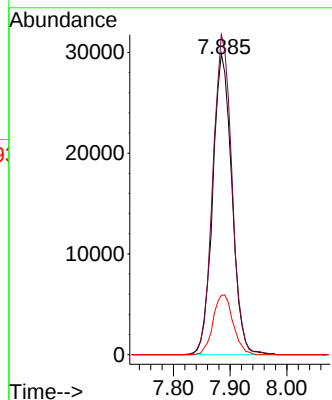
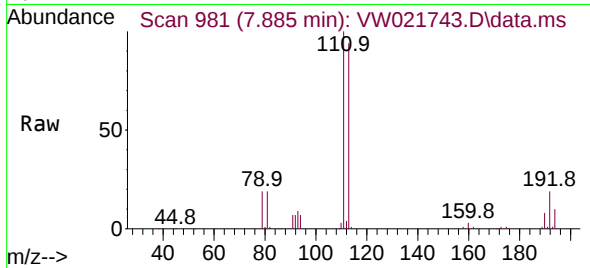




#35
 Dibromofluoromethane
 Concen: 53.471 ug/l
 RT: 7.885 min Scan# 991
 Delta R.T. 0.000 min
 Lab File: VW021743.D
 Acq: 05 Jan 2022 20:09

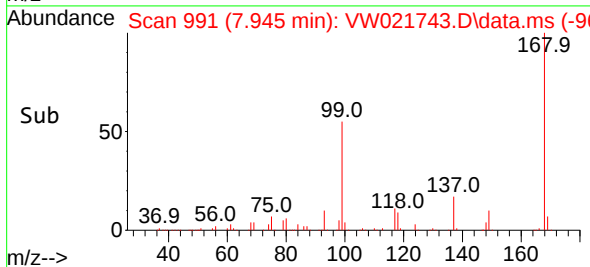
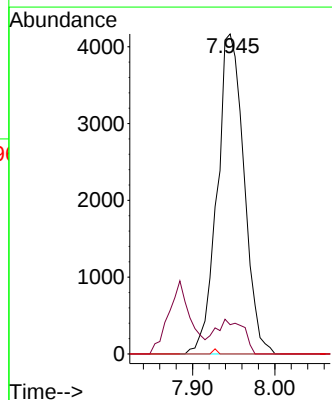
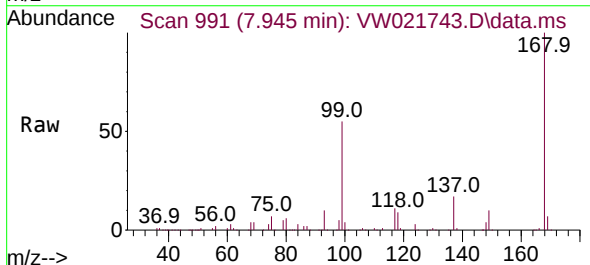
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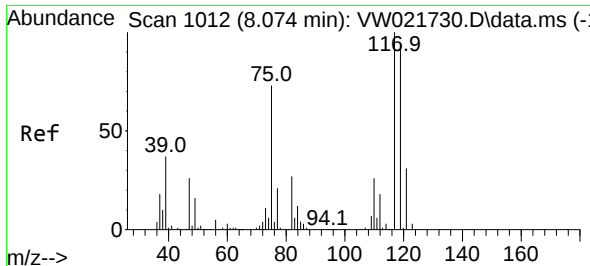
Tgt Ion:113 Resp: 69969
 Ion Ratio Lower Upper
 113 100
 111 105.9 81.2 121.8
 192 20.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 5.064 ug/l
 RT: 7.945 min Scan# 991
 Delta R.T. -0.141 min
 Lab File: VW021743.D
 Acq: 05 Jan 2022 20:09

Tgt Ion: 75 Resp: 9418
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.1 57.5#
 77 0.0 24.8 37.2#

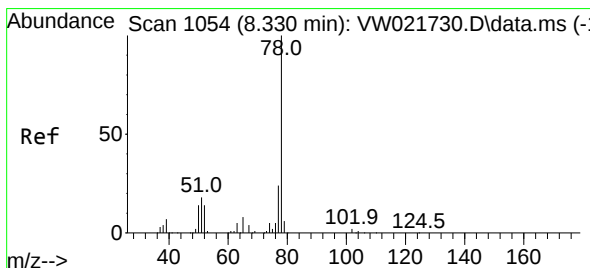
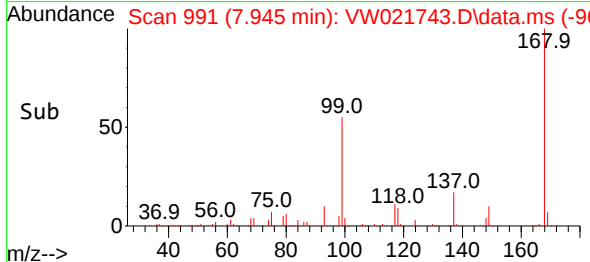
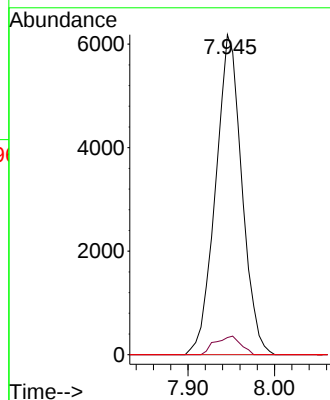
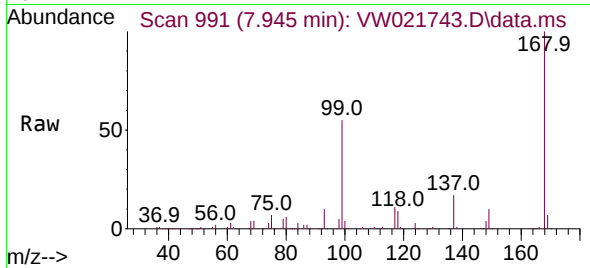




#38
Carbon Tetrachloride
Concen: 6.491 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.122 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

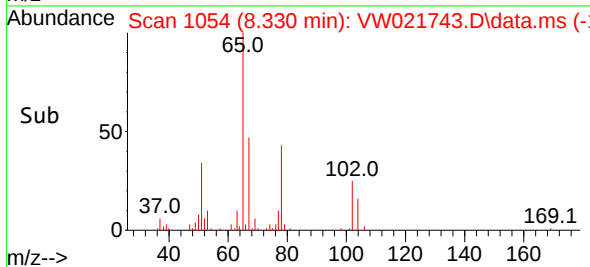
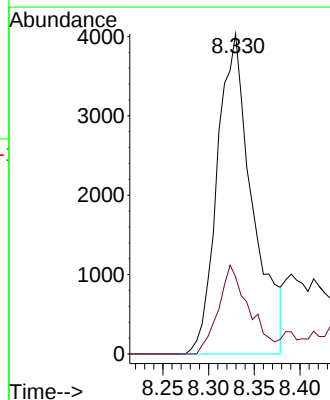
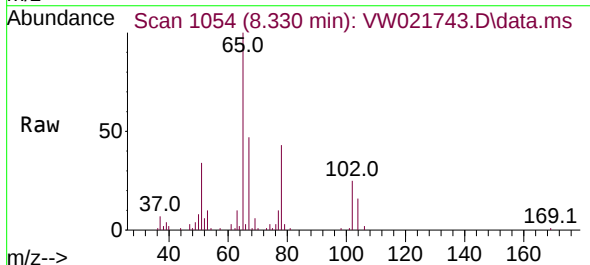
Instrument :
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SB-9-(0-2)

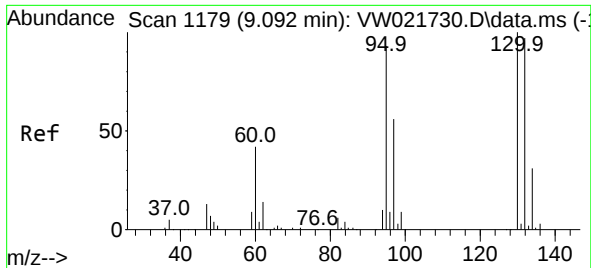
Tgt Ion:117 Resp: 13040
Ion Ratio Lower Upper
117 100
119 5.4 72.0 108.0#
121 0.0 22.6 33.8#



#40
Benzene
Concen: 2.037 ug/l
RT: 8.330 min Scan# 1054
Delta R.T. 0.007 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Tgt Ion: 78 Resp: 10776
Ion Ratio Lower Upper
78 100
77 24.1 20.0 30.0





#44

Trichloroethene

Concen: 95.832 ug/l

RT: 9.092 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

Instrument :

MSVOA_W

ClientSampleId :

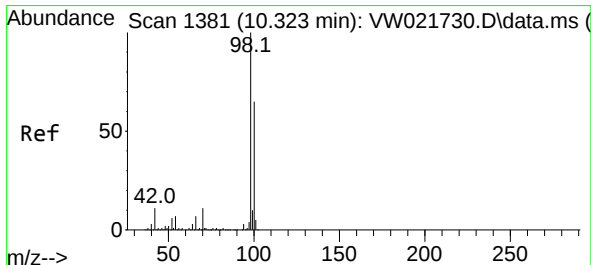
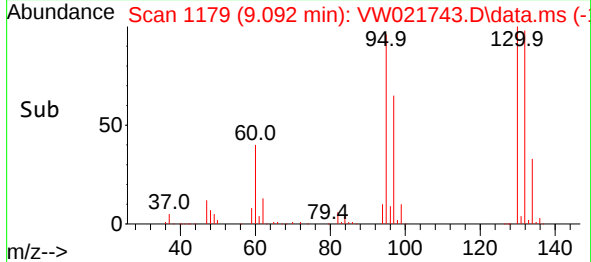
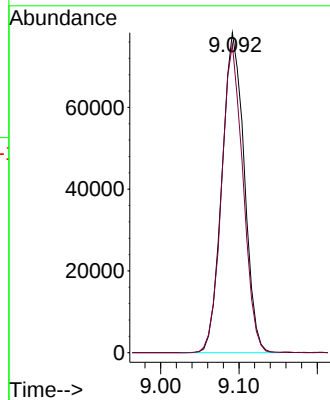
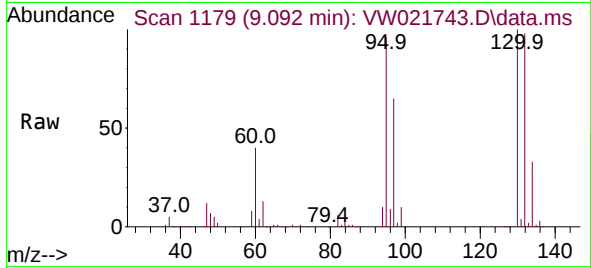
SB-9-(0-2)

Tgt Ion:130 Resp: 154121

Ion Ratio Lower Upper

130 100

95 96.4 0.0 186.6



#50

Toluene-d8

Concen: 44.763 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW021743.D

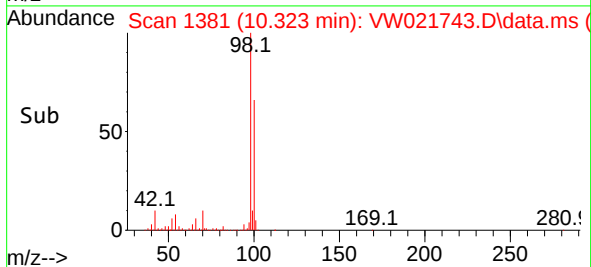
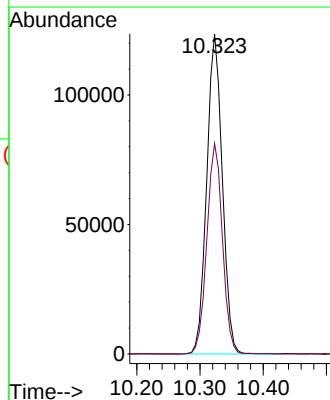
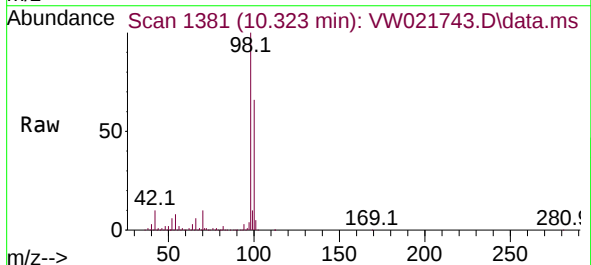
Acq: 05 Jan 2022 20:09

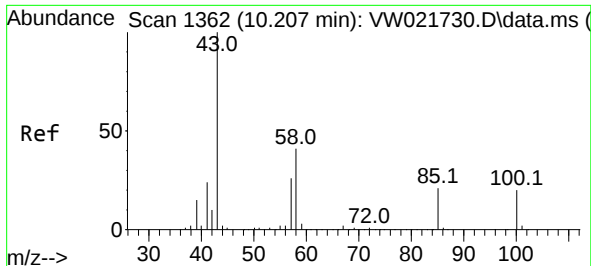
Tgt Ion: 98 Resp: 211992

Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.499 ug/l

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

Instrument :

MSVOA_W

ClientSampleId :

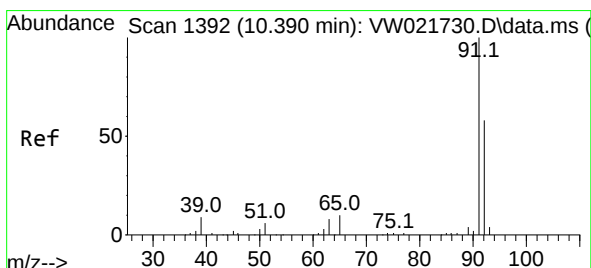
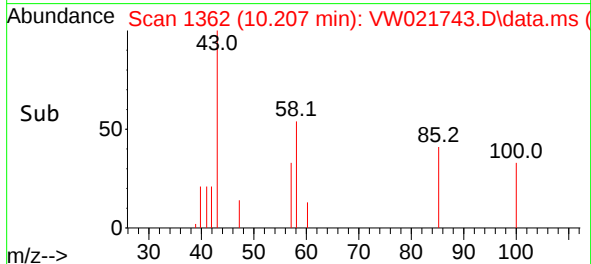
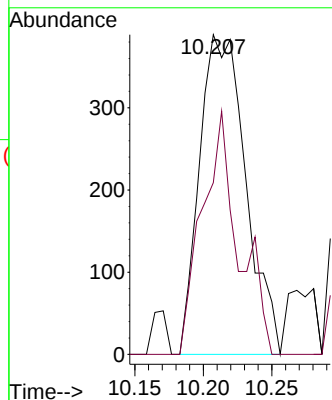
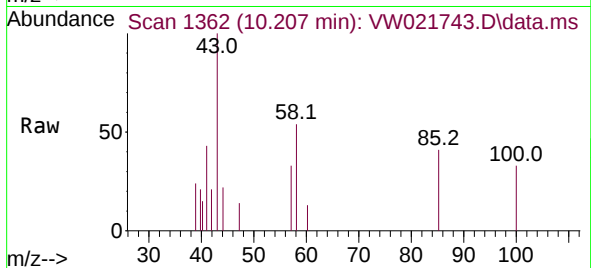
SB-9-(0-2)

Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 60.2 30.9 46.3#



#52

Toluene

Concen: 1.092 ug/l

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW021743.D

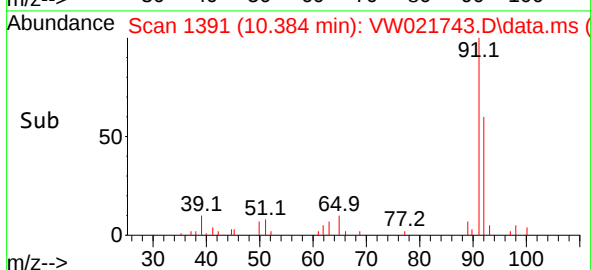
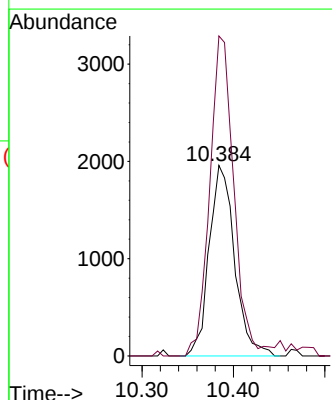
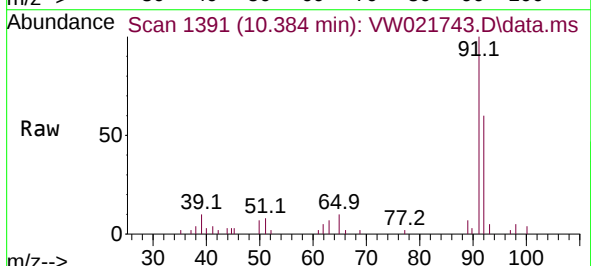
Acq: 05 Jan 2022 20:09

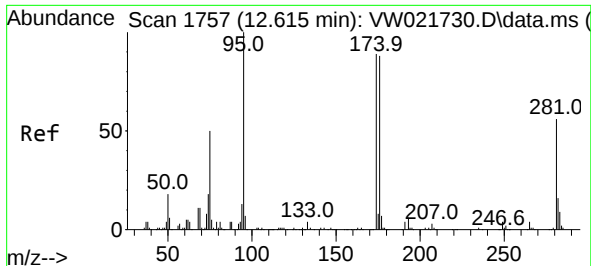
Tgt Ion: 92 Resp: 3783

Ion Ratio Lower Upper

92 100

91 159.6 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 25.673 ug/l

RT: 12.615 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(0-2)

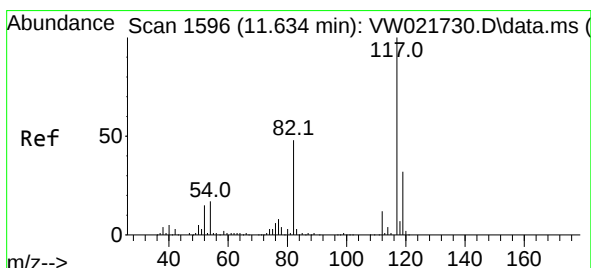
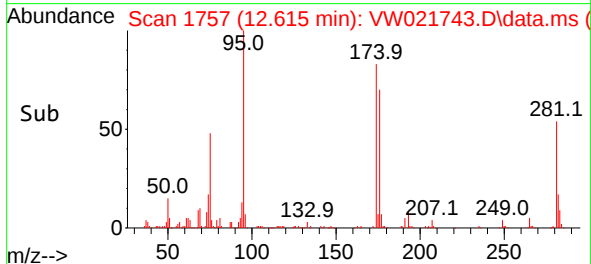
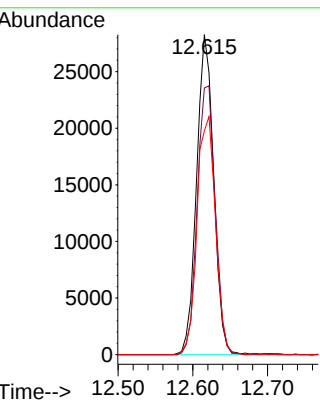
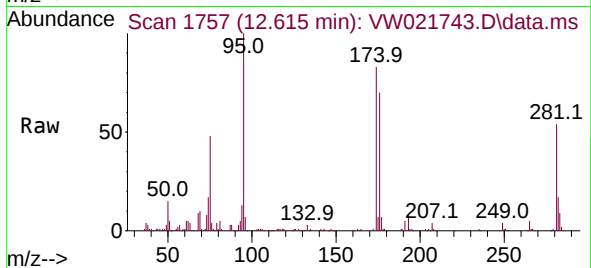
Tgt Ion: 95 Resp: 45132

Ion Ratio Lower Upper

95 100

174 88.0 0.0 171.2

176 80.0 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.628 min Scan# 1595

Delta R.T. -0.000 min

Lab File: VW021743.D

Acq: 05 Jan 2022 20:09

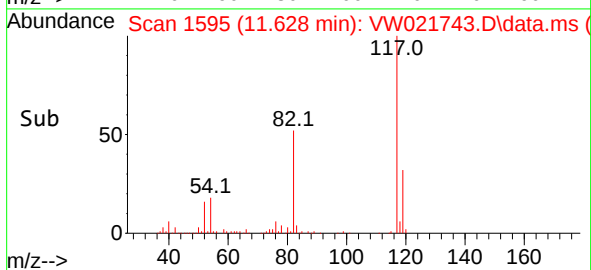
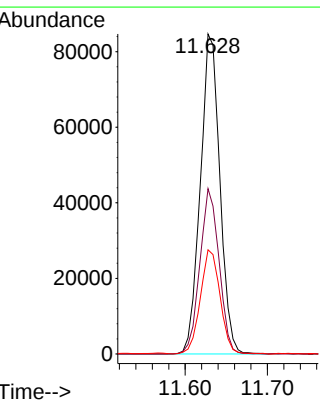
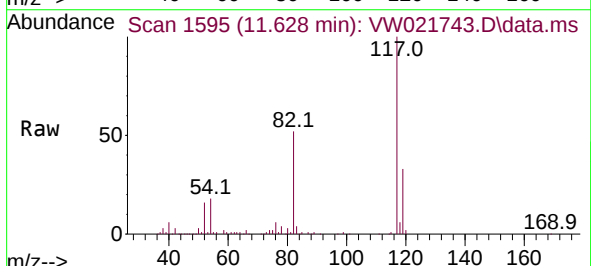
Tgt Ion: 117 Resp: 139853

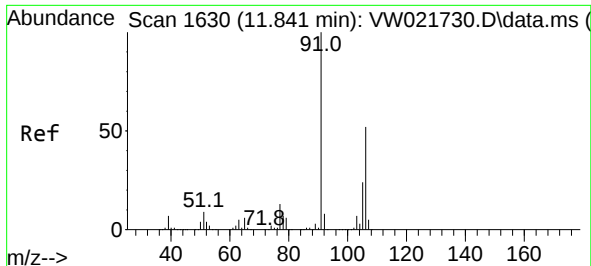
Ion Ratio Lower Upper

117 100

82 51.7 41.4 62.2

119 32.6 27.2 40.8

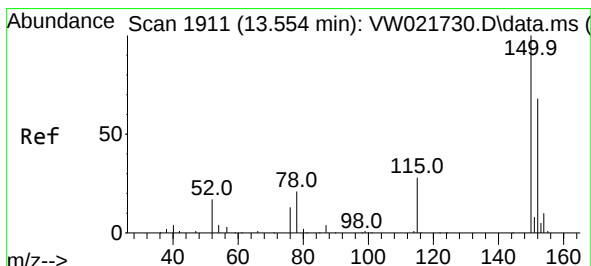
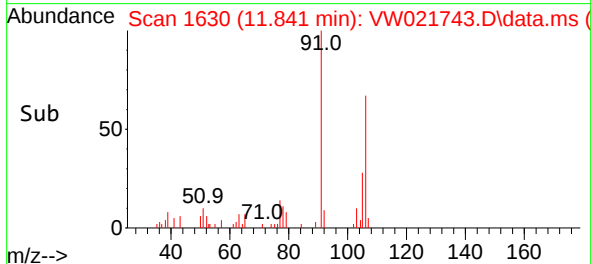
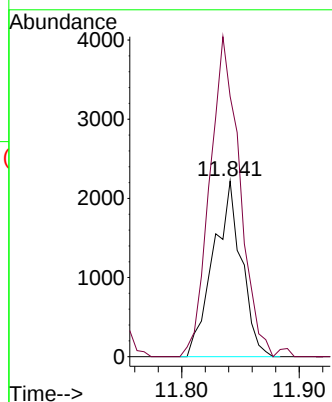
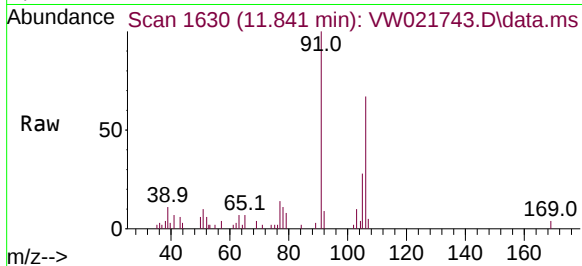




#68
m/p-Xylenes
Concen: 1.893 ug/l
RT: 11.841 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

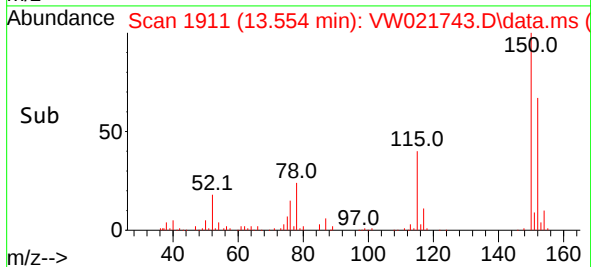
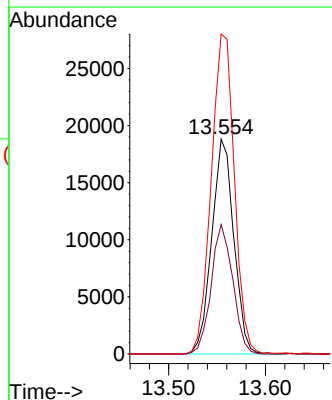
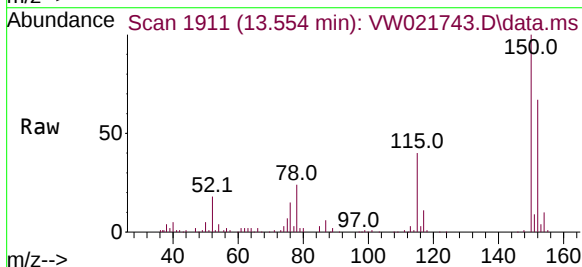
Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

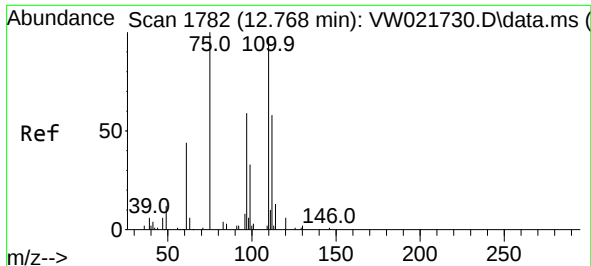
Tgt Ion:106 Resp: 3706
Ion Ratio Lower Upper
106 100
91 195.0 157.8 236.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Tgt Ion:152 Resp: 29796
Ion Ratio Lower Upper
152 100
115 58.9 27.8 83.3
150 156.2 0.0 348.4

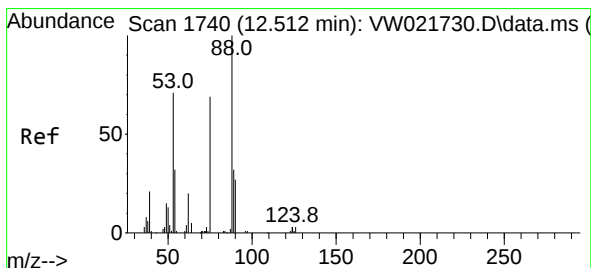
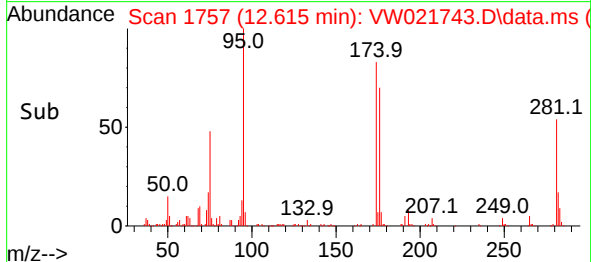
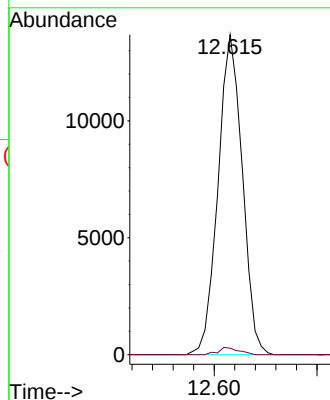
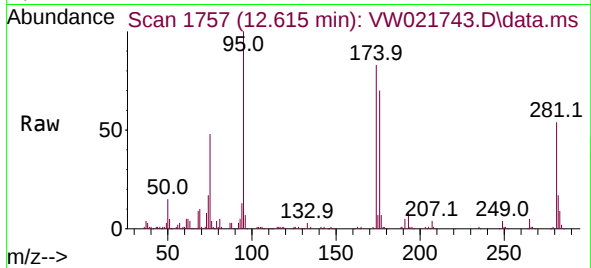




#76
1,2,3-Trichloropropane
Concen: 101.565 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

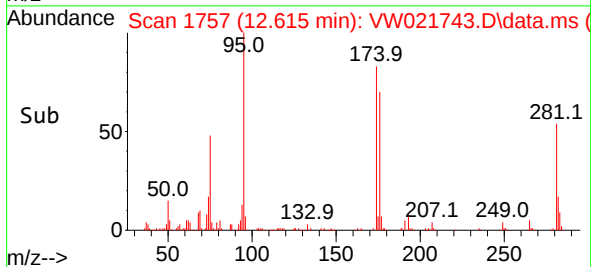
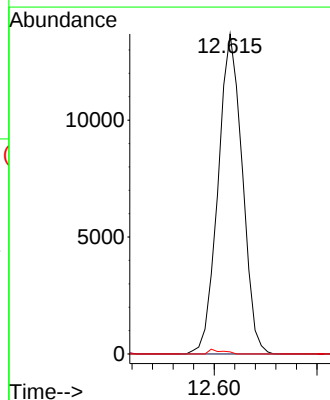
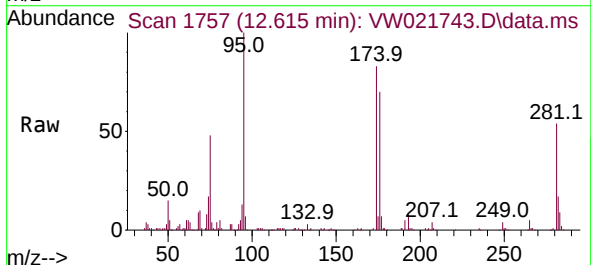
Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

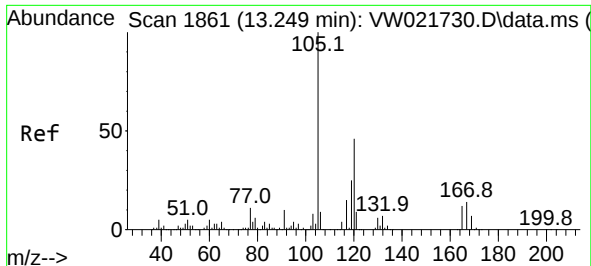
Tgt Ion: 75 Resp: 22384
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 288.172 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Tgt Ion: 75 Resp: 22384
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.8 38.6 57.8#

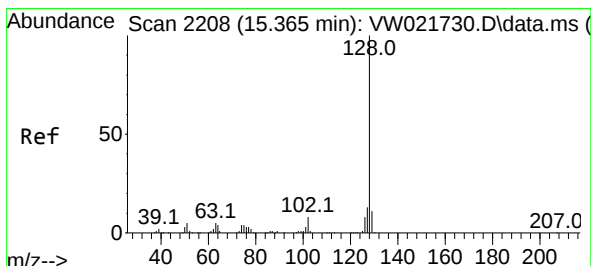
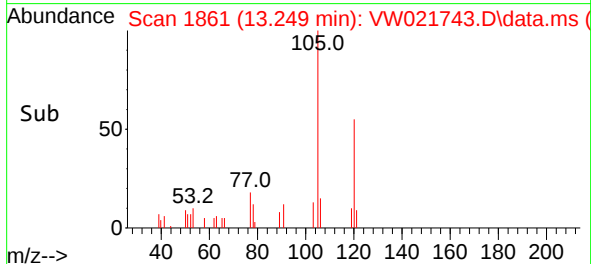
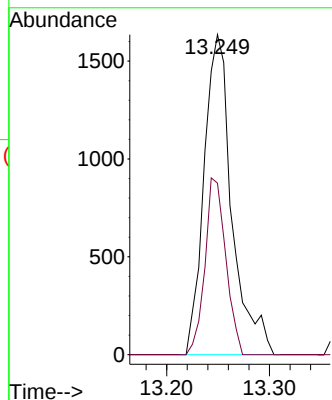
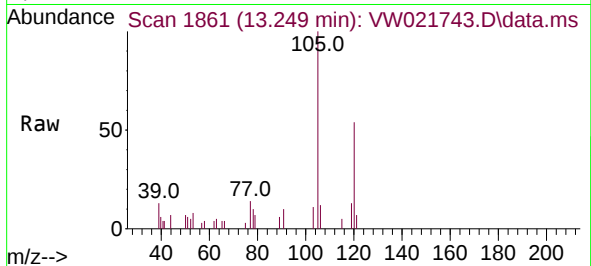




#84
1,2,4-Trimethylbenzene
Concen: 1.819 ug/l
RT: 13.249 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Instrument :
MSVOA_W
ClientSampleId :
SB-9-(0-2)

Tgt Ion:105 Resp: 3093
Ion Ratio Lower Upper
105 100
120 41.2 22.7 68.1



#95
Naphthalene
Concen: 1.724 ug/l
RT: 15.371 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VW021743.D
Acq: 05 Jan 2022 20:09

Tgt Ion:128 Resp: 1594
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 9.8 8.6 13.0

