

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021171.D
 Acq On : 06 Dec 2021 15:58
 Operator : SY/VA
 Sample : M4888-14
 Misc : 3.59g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B9

Quant Time: Dec 07 01:51:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 07 01:47:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	65184	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	28987	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	4490	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	43015	47.364	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 189.440%#	
7) Chloroethane-d5	2.879	69	26374	43.381	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 173.520%#	
11) 1,1-Dichloroethene-d2	4.013	63	37077	25.555	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 102.240%	
21) 2-Butanone-d5	7.074	46	12722	61.414	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 122.820%	
24) Chloroform-d	7.647	84	57707	35.350	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 141.400%	
26) 1,2-Dichloroethane-d4	8.305	65	30207	33.824	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 135.280%#	
32) Benzene-d6	8.275	84	100372	67.721	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 270.880%#	
36) 1,2-Dichloropropane-d6	9.274	67	30309	73.587	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 294.360%#	
41) Toluene-d8	10.323	98	64610	42.514	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 170.040%#	
43) trans-1,3-Dichloroprop...	10.579	79	6321	33.798	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 135.200%#	
47) 2-Hexanone-d5	10.926	63	7842	99.513	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 199.020%#	
56) 1,1,2,2-Tetrachloroeth...	12.694	84	16149	42.380	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 169.520%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	4291	26.673	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 106.680%	
Target Compounds						
						Qvalue
16) Methylene chloride	4.909	84	5127	4.992	ug/L	87
22) 2-Butanone	7.147	43	2288	8.762	ug/L #	52
33) Benzene	8.317	78	2230	1.353	ug/L	100
34) Trichloroethene	9.091	95	1348889	2966.139	ug/L	94
35) Methylcyclohexane	9.335	83	1239	1.619	ug/L #	87
37) 1,2-Dichloropropane	9.274	63	4147	11.131	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	844	1.401	ug/L #	63
42) Toluene	10.384	91	6470	3.436	ug/L	86
45) 1,1,2-Trichloroethane	10.786	97	884	2.830	ug/L	88
46) Tetrachloroethene	10.859	164	154856	371.872	ug/L	93
48) 2-Hexanone	10.920	43	751	4.102	ug/L #	49
49) Dibromochloromethane	10.859	129	129634	332.065	ug/L #	10
53) m,p-Xylene	11.835	106	1149	1.310	ug/L	94
54) o-Xylene	12.158	106	777	0.940	ug/L	80
60) Isopropylbenzene	12.457	105	336	0.538	ug/L #	71
61) 1,2,3-Trichloropropane	12.926	75	157	2.087	ug/L #	40
62) 1,3,5-Trimethylbenzene	12.944	105	185	0.354	ug/L #	30
63) 1,2,4-Trimethylbenzene	13.249	105	541	1.029	ug/L	89
71) Naphthalene	15.365	128	1085	3.289	ug/L #	88

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Quant Title : SFAM01.0
QLast Update : Tue Dec 07 01:47:32 2021
Response via : Initial Calibration

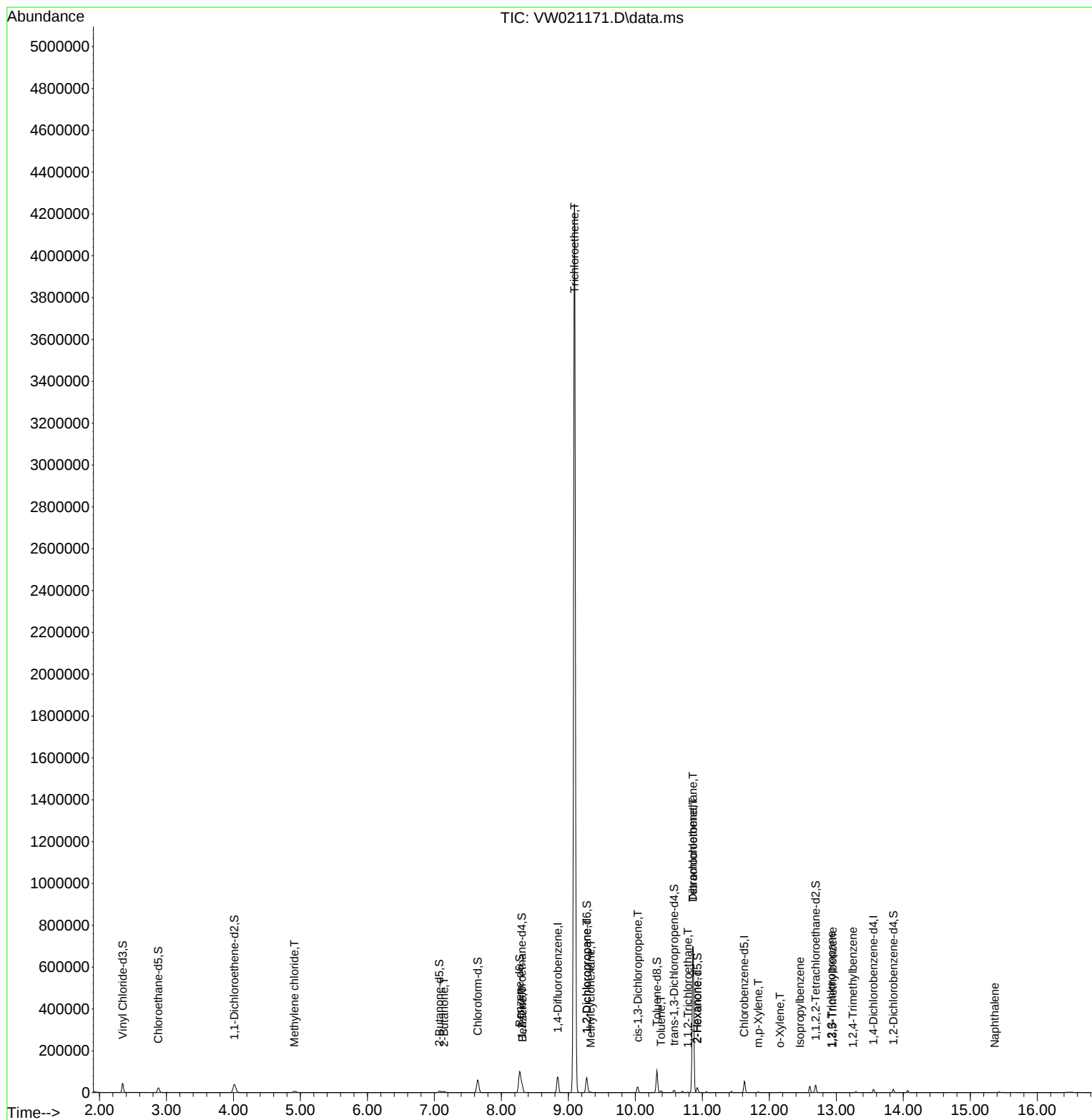
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

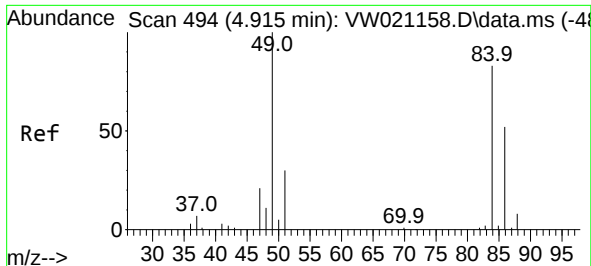
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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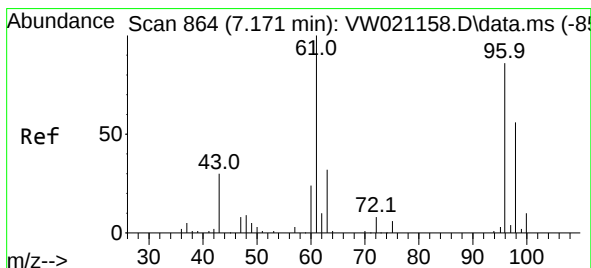
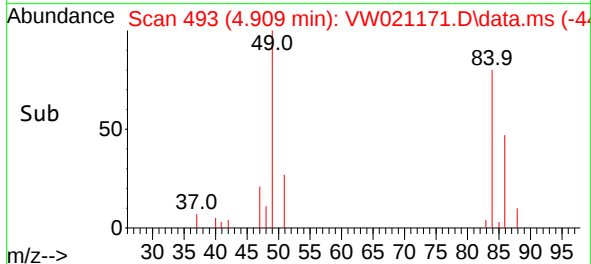
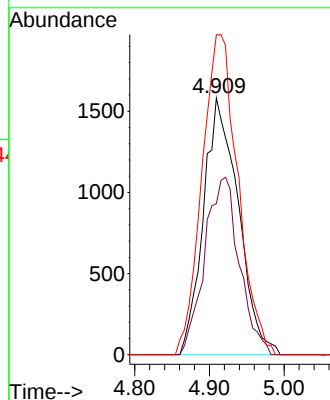
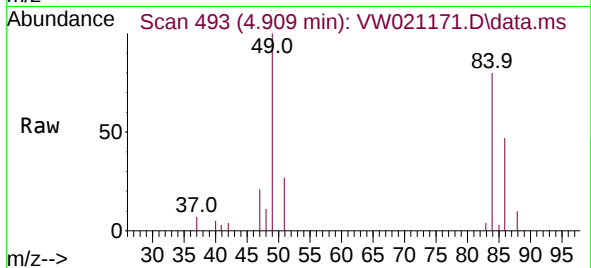




#16
Methylene chloride
Concen: 4.992 ug/L
RT: 4.909 min Scan# 491
Delta R.T. -0.006 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

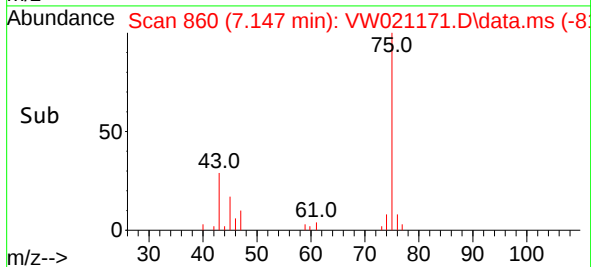
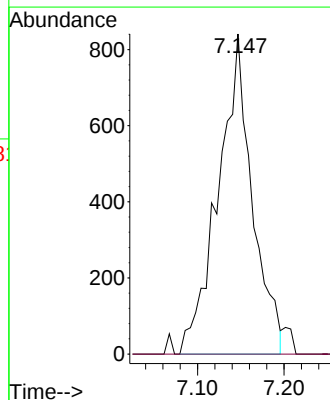
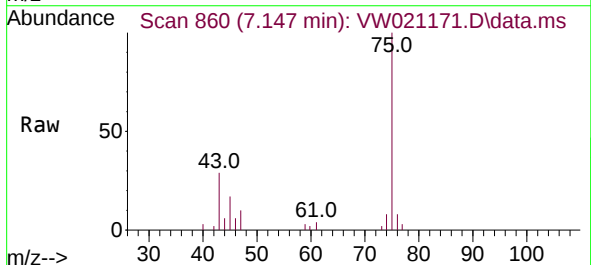
Instrument :
MSVOA_W
ClientSampleId :
EX8B9

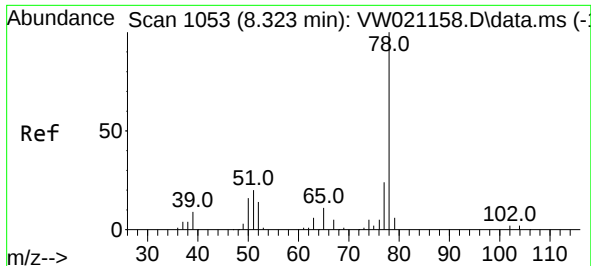
Tgt Ion: 84 Resp: 5127
Ion Ratio Lower Upper
84 100
86 58.8 45.5 84.5
49 124.5 100.5 186.7



#22
2-Butanone
Concen: 8.762 ug/L
RT: 7.147 min Scan# 860
Delta R.T. -0.025 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#

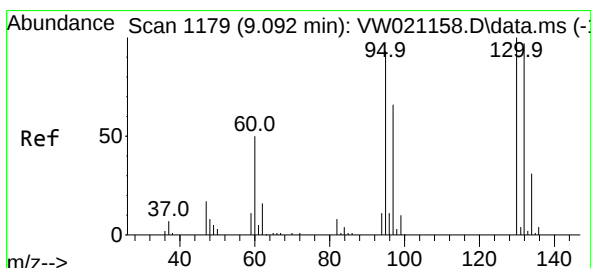
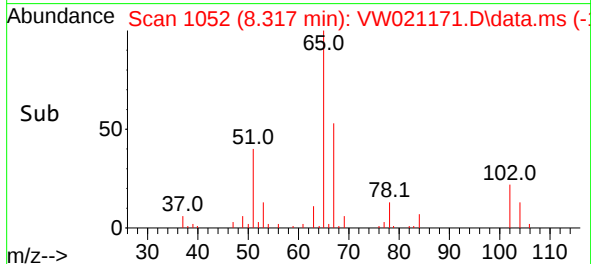
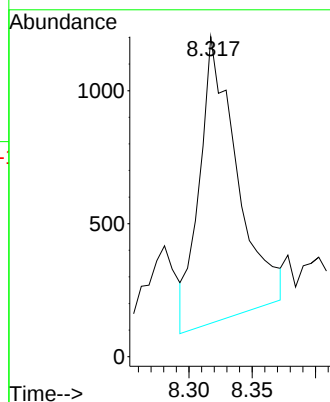
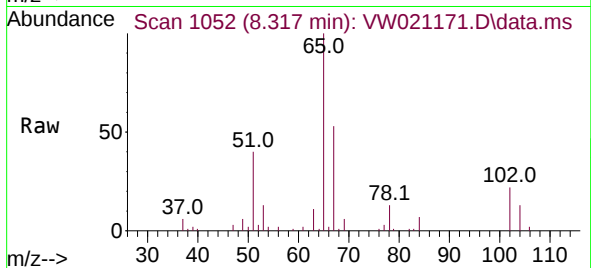




#33
Benzene
Concen: 1.353 ug/L
RT: 8.317 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Instrument :
MSVOA_W
ClientSampleId :
EX8B9

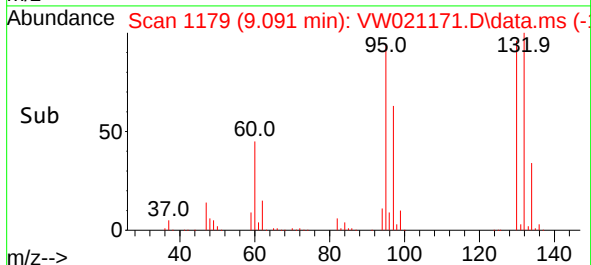
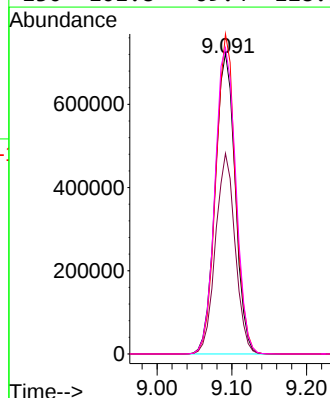
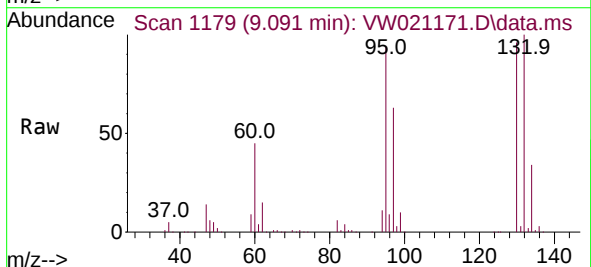
Tgt Ion: 78 Resp: 2230

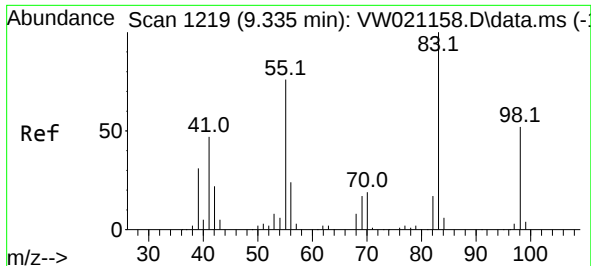


#34
Trichloroethene
Concen: 2966.139 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Tgt Ion: 95 Resp: 1348889

Ion	Ratio	Lower	Upper
95	100		
97	66.6	47.0	87.2
132	106.4	65.5	121.6
130	101.8	69.4	128.8





#35

Methylcyclohexane

Concen: 1.619 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021171.D

Acq: 06 Dec 2021 15:58

Instrument :

MSVOA_W

ClientSampleId :

EX8B9

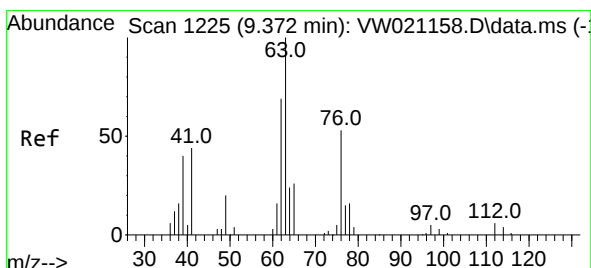
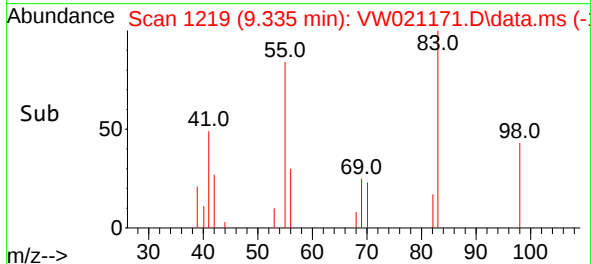
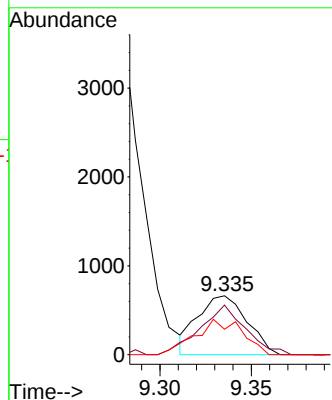
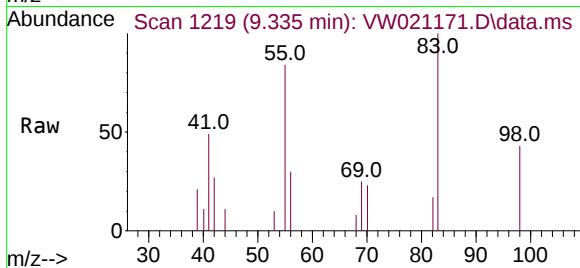
Tgt Ion: 83 Resp: 1239

Ion Ratio Lower Upper

83 100

55 78.6 70.8 106.2

98 57.9 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 11.131 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.098 min

Lab File: VW021171.D

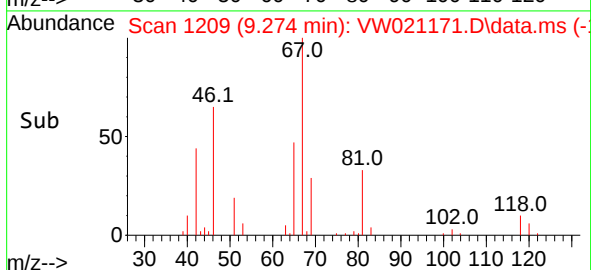
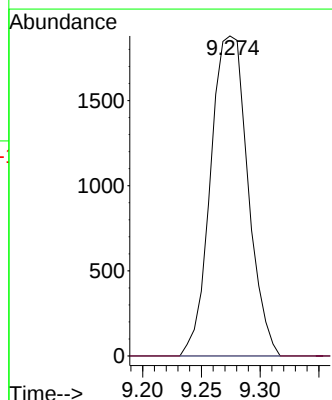
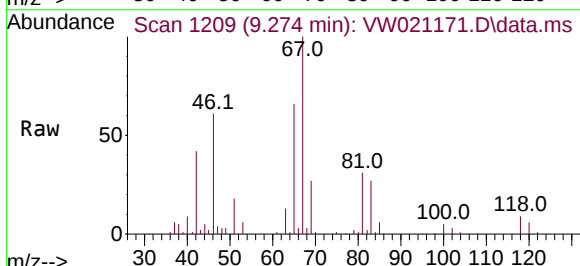
Acq: 06 Dec 2021 15:58

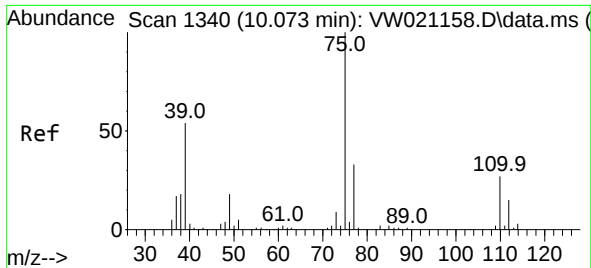
Tgt Ion: 63 Resp: 4147

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.401 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021171.D

Acq: 06 Dec 2021 15:58

Instrument :

MSVOA_W

ClientSampleId :

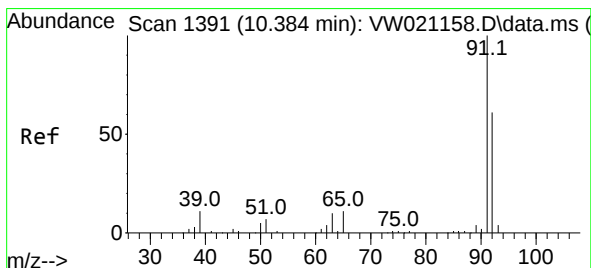
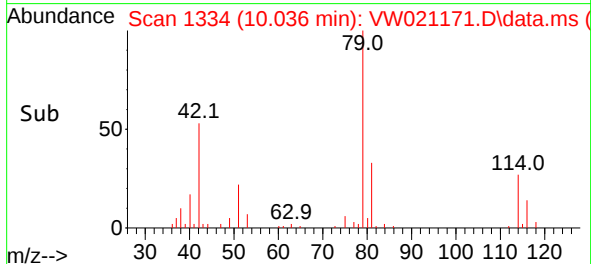
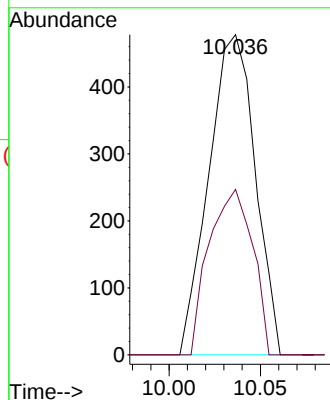
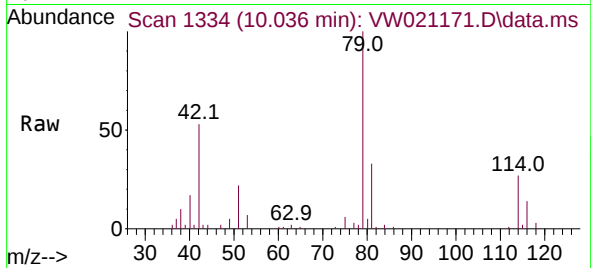
EX8B9

Tgt Ion: 75 Resp: 844

Ion Ratio Lower Upper

75 100

77 51.7 21.8 40.6#



#42

Toluene

Concen: 3.436 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW021171.D

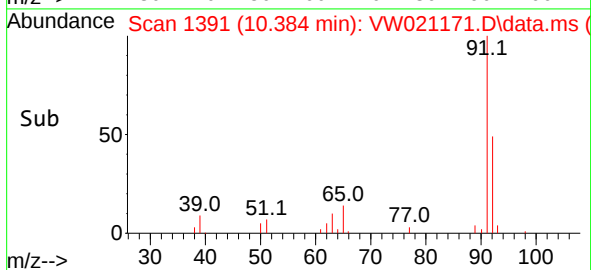
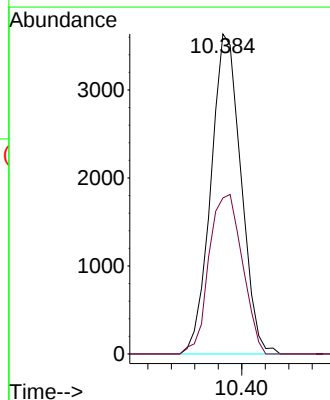
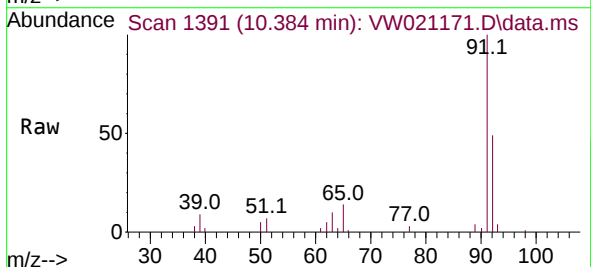
Acq: 06 Dec 2021 15:58

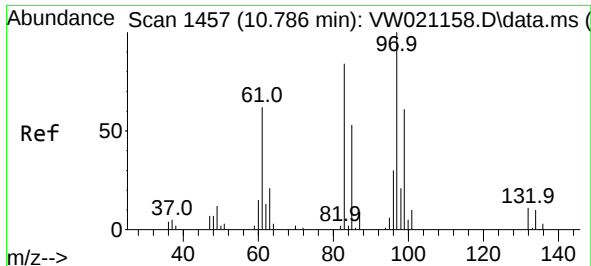
Tgt Ion: 91 Resp: 6470

Ion Ratio Lower Upper

91 100

92 48.8 41.7 77.5





#45

1,1,2-Trichloroethane

Concen: 2.830 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021171.D

Acq: 06 Dec 2021 15:58

Instrument :

MSVOA_W

ClientSampleId :

EX8B9

Tgt Ion: 97 Resp: 884

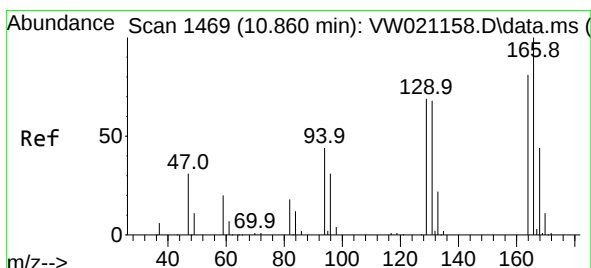
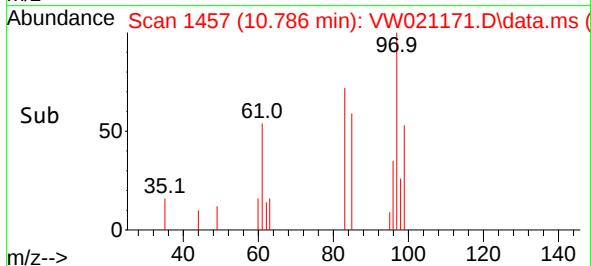
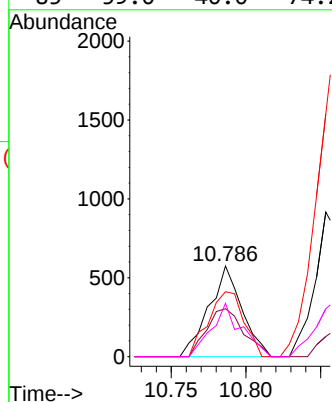
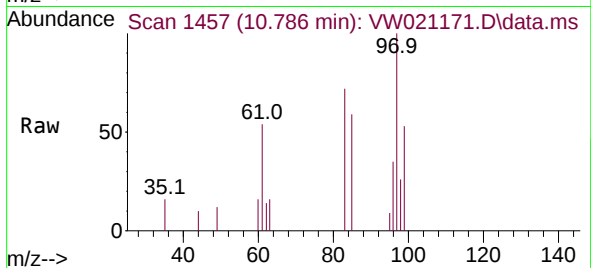
Ion Ratio Lower Upper

97 100

99 52.9 43.0 79.8

83 71.7 62.6 116.3

85 59.0 40.0 74.2



#46

Tetrachloroethene

Concen: 371.872 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW021171.D

Acq: 06 Dec 2021 15:58

Tgt Ion:164 Resp: 154856

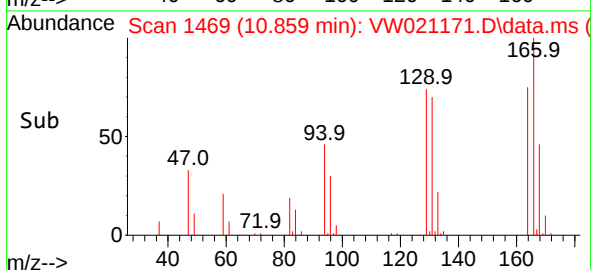
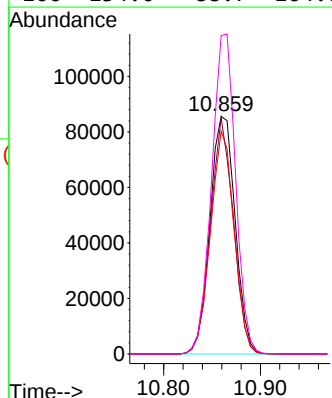
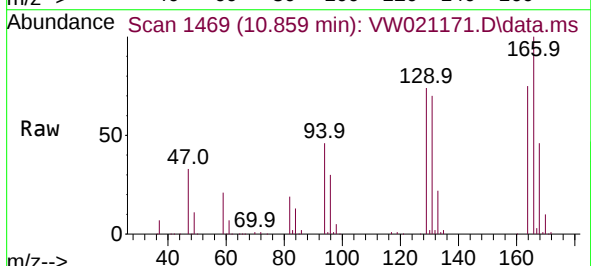
Ion Ratio Lower Upper

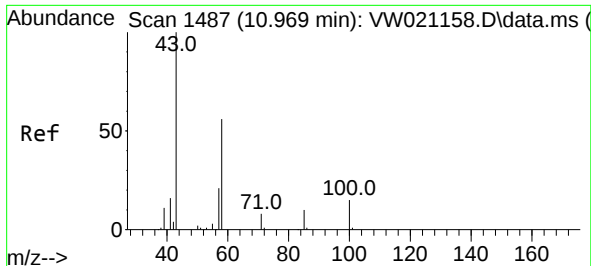
164 100

129 99.3 65.5 121.7

131 93.8 59.7 110.9

166 134.0 88.7 164.7

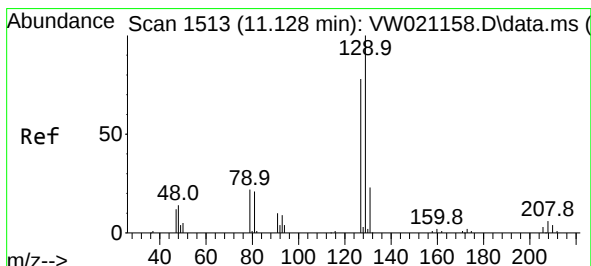
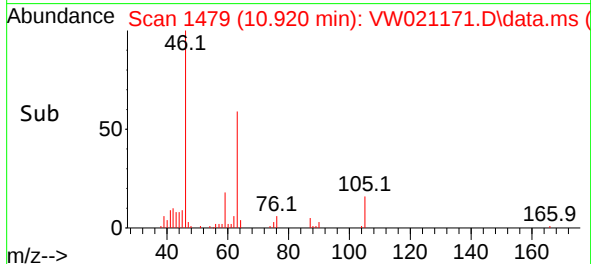
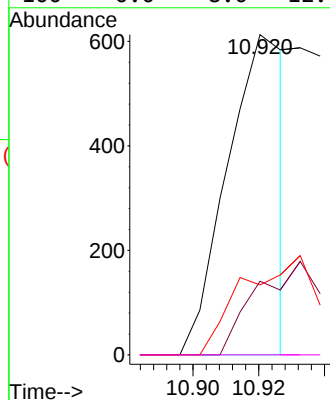
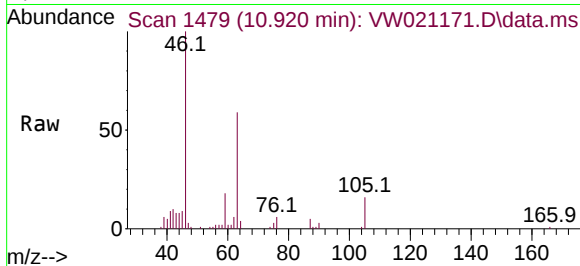




#48
2-Hexanone
Concen: 4.102 ug/L
RT: 10.920 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

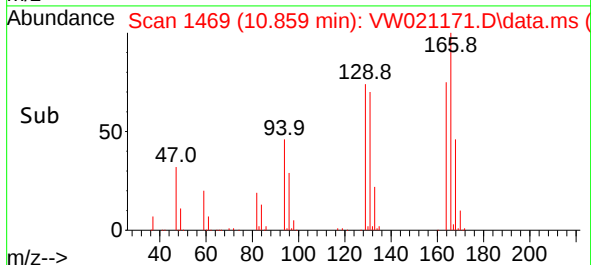
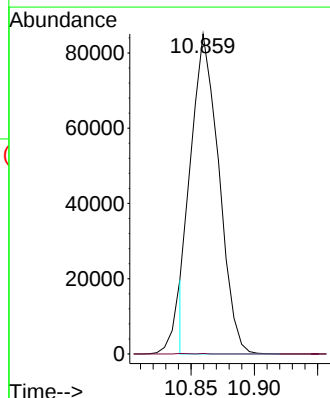
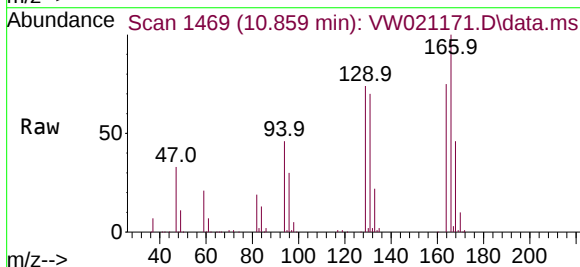
Instrument :
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ClientSampleId :
EX8B9

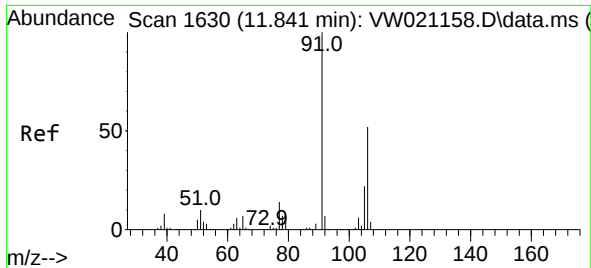
Tgt Ion: 43	Resp: 751
Ion Ratio	Lower Upper
43 100	
58 0.0	40.2 60.2#
57 16.9	14.3 21.5
100 0.0	8.0 12.0#



#49
Dibromochloromethane
Concen: 332.065 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Tgt Ion:129	Resp: 129634		
Ion Ratio	Lower	Upper	
129 100			
127 0.2	55.7	103.5#	

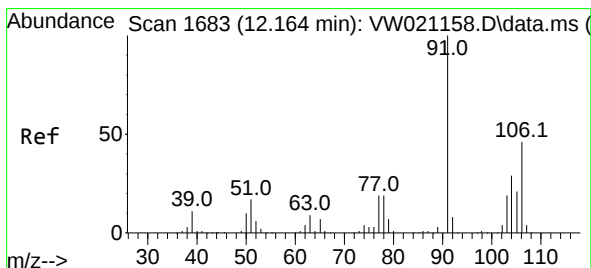
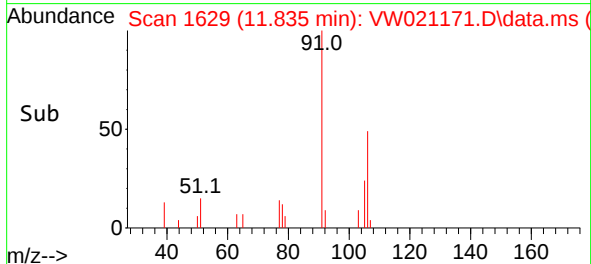
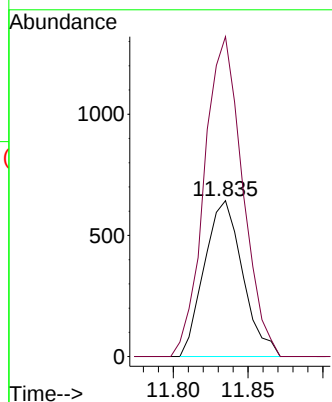
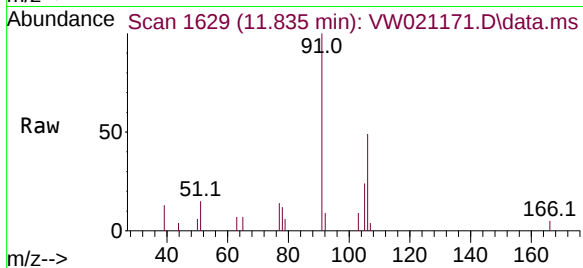




#53
m,p-Xylene
Concen: 1.310 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

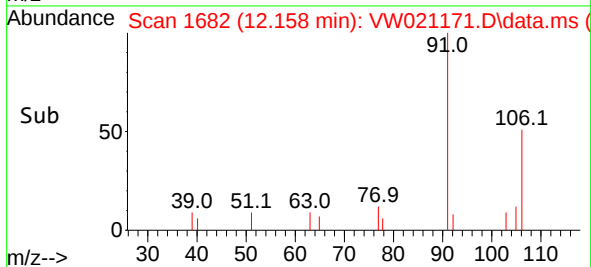
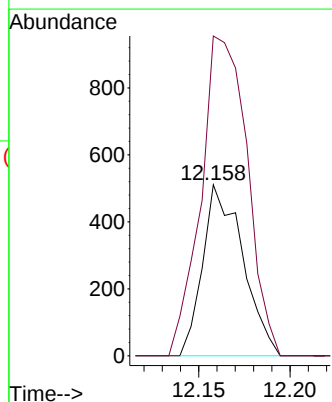
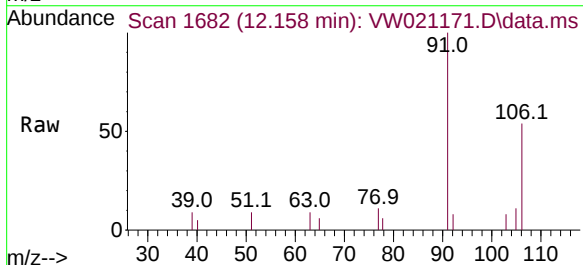
Instrument :
MSVOA_W
ClientSampleId :
EX8B9

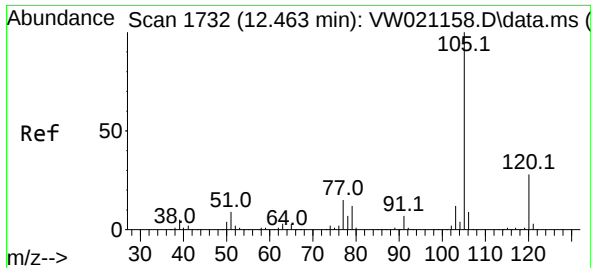
Tgt Ion:106 Resp: 1149
Ion Ratio Lower Upper
106 100
91 205.3 149.9 278.3



#54
o-Xylene
Concen: 0.940 ug/L
RT: 12.158 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Tgt Ion:106 Resp: 777
Ion Ratio Lower Upper
106 100
91 186.9 153.6 285.3

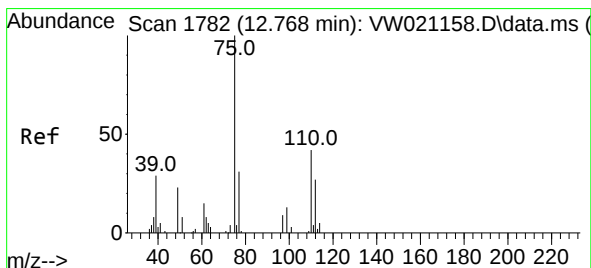
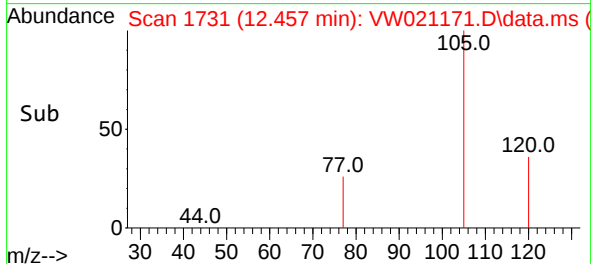
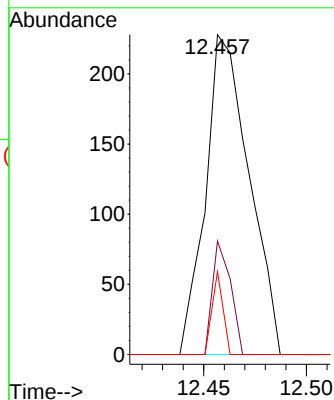
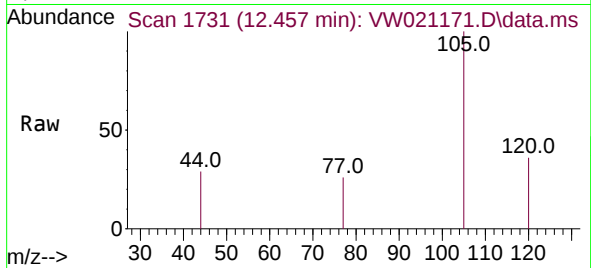




#60
Isopropylbenzene
Concen: 0.538 ug/L
RT: 12.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

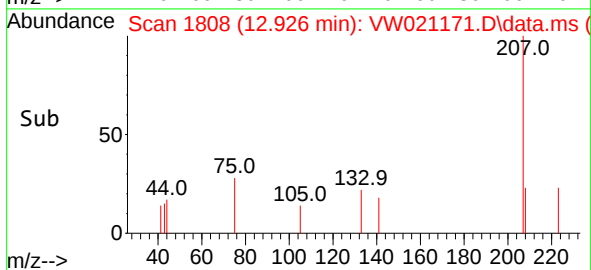
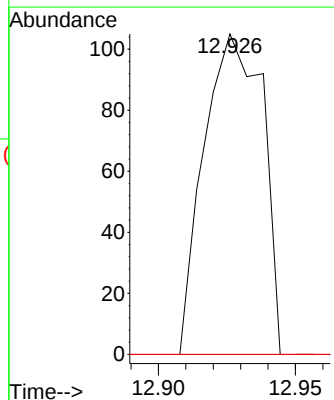
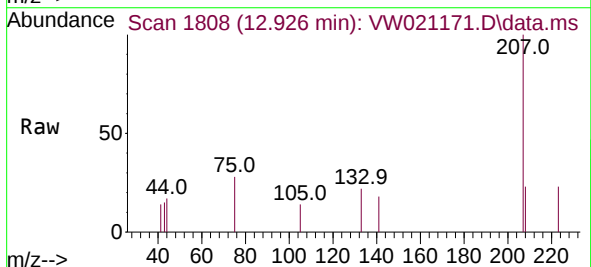
Instrument :
MSVOA_W
ClientSampleId :
EX8B9

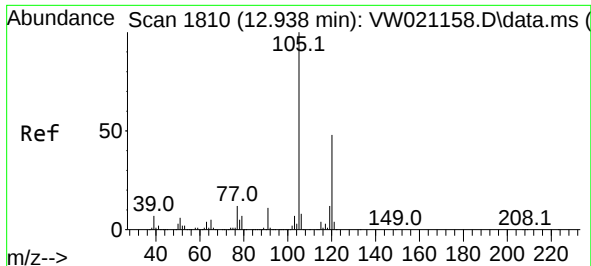
Tgt Ion:105 Resp: 336
Ion Ratio Lower Upper
105 100
120 14.6 20.1 30.1#
77 0.0 13.8 20.8#



#61
1,2,3-Trichloropropane
Concen: 2.087 ug/L
RT: 12.926 min Scan# 1808
Delta R.T. 0.158 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 0.0 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.354 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021171.D

Acq: 06 Dec 2021 15:58

Instrument :

MSVOA_W

ClientSampleId :

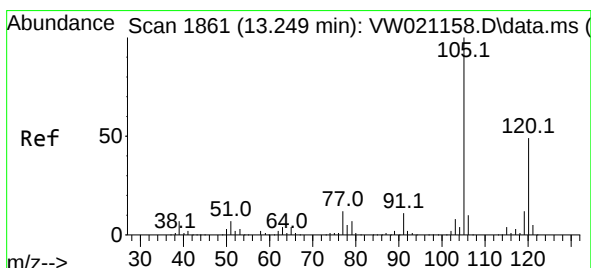
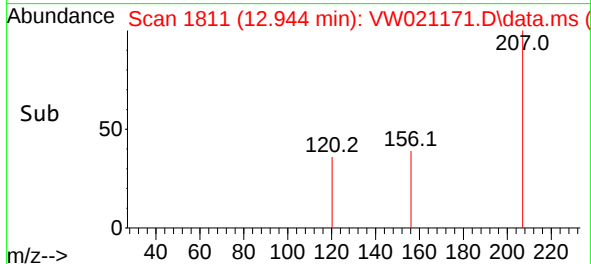
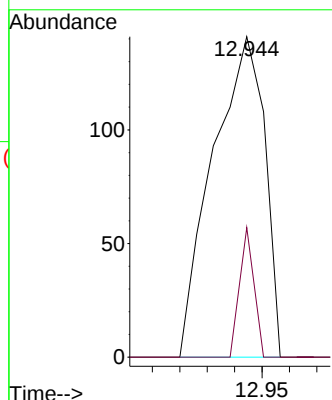
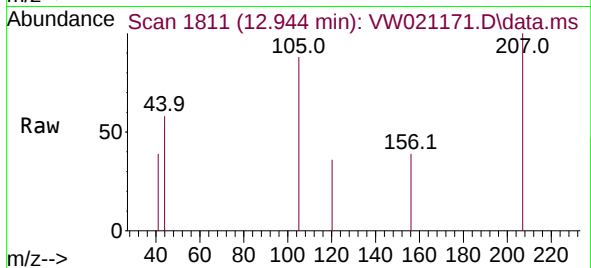
EX8B9

Tgt Ion:105 Resp: 185

Ion Ratio Lower Upper

105 100

120 0.0 37.4 56.2#



#63

1,2,4-Trimethylbenzene

Concen: 1.029 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021171.D

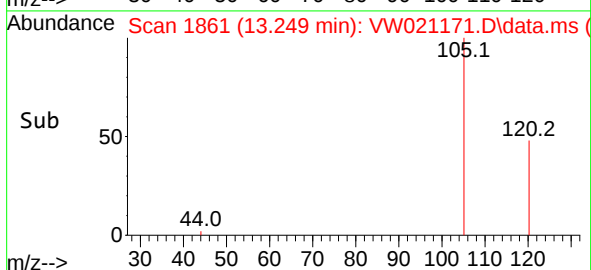
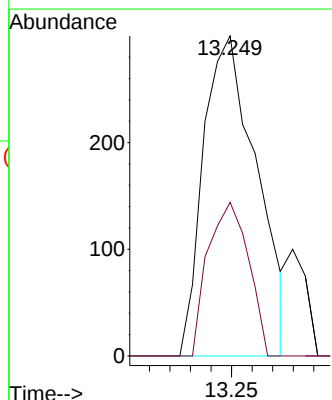
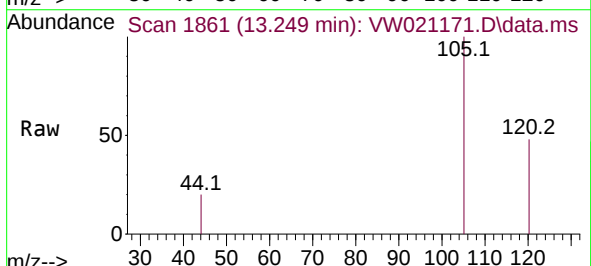
Acq: 06 Dec 2021 15:58

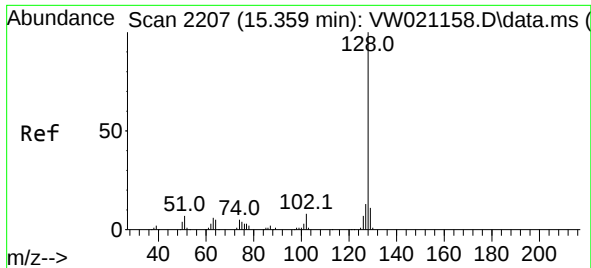
Tgt Ion:105 Resp: 541

Ion Ratio Lower Upper

105 100

120 36.4 35.0 52.6





#71
Naphthalene
Concen: 3.289 ug/L
RT: 15.365 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW021171.D
Acq: 06 Dec 2021 15:58

Instrument :
MSVOA_W
ClientSampleId :
EX8B9

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.7	16.1#
129	3.9	8.6	12.8#

