

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021165.D
 Acq On : 06 Dec 2021 13:33
 Operator : SY/VA
 Sample : M4885-22RE
 Misc : 3.28g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9M7RE

Quant Time: Dec 07 01:50:32 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	8.842	114	90734	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	65061	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	21760	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	39950	31.602	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	= 126.400%		
7) Chloroethane-d5	2.885	69	27134	32.064	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	= 128.240%		
11) 1,1-Dichloroethene-d2	4.013	63	37920	18.777	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	= 75.120%		
21) 2-Butanone-d5	7.080	46	19849	68.836	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	= 137.680%#		
24) Chloroform-d	7.647	84	59274	26.085	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	= 104.360%		
26) 1,2-Dichloroethane-d4	8.299	65	35168	28.290	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	= 113.160%		
32) Benzene-d6	8.275	84	115980	34.864	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	= 139.440%#		
36) 1,2-Dichloropropane-d6	9.268	67	32598	35.262	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	= 141.040%#		
41) Toluene-d8	10.323	98	99603	29.200	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	= 116.800%		
43) trans-1,3-Dichloroprop...	10.573	79	12093	28.808	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	= 115.240%		
47) 2-Hexanone-d5	10.921	63	15788	89.261	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	= 178.520%#		
56) 1,1,2,2-Tetrachloroeth...	12.689	84	25713	30.065	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	= 120.240%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	17755	22.773	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	= 91.080%		
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	3138	11.947	ug/L	71
33) Benzene	8.323	78	26610	7.192	ug/L	100
34) Trichloroethene	9.092	95	58918	57.723	ug/L	91
35) Methylcyclohexane	9.275	83	9043	5.263	ug/L #	14
37) 1,2-Dichloropropane	9.275	63	4331	5.179	ug/L #	88
39) cis-1,3-Dichloropropene	10.031	75	1232	0.911	ug/L #	71
42) Toluene	10.384	91	32000	7.572	ug/L	97
45) 1,1,2-Trichloroethane	10.786	97	2945	4.201	ug/L	96
46) Tetrachloroethene	10.860	164	18701	20.008	ug/L	96
48) 2-Hexanone	10.921	43	2174	5.290	ug/L #	67
49) Dibromochloromethane	10.860	129	15250	17.404	ug/L #	10
52) Ethylbenzene	11.725	91	9336	1.962	ug/L	97
53) m,p-Xylene	11.835	106	41075	20.871	ug/L	86
54) o-Xylene	12.164	106	13193	7.110	ug/L	89
55) Styrene	12.183	104	43716	13.828	ug/L	87
62) 1,3,5-Trimethylbenzene	12.939	105	166789	65.859	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	141722	55.641	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.487	75	3835	46.592	ug/L #	10
71) Naphthalene	15.359	128	2336028	1461.284	ug/L	99

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

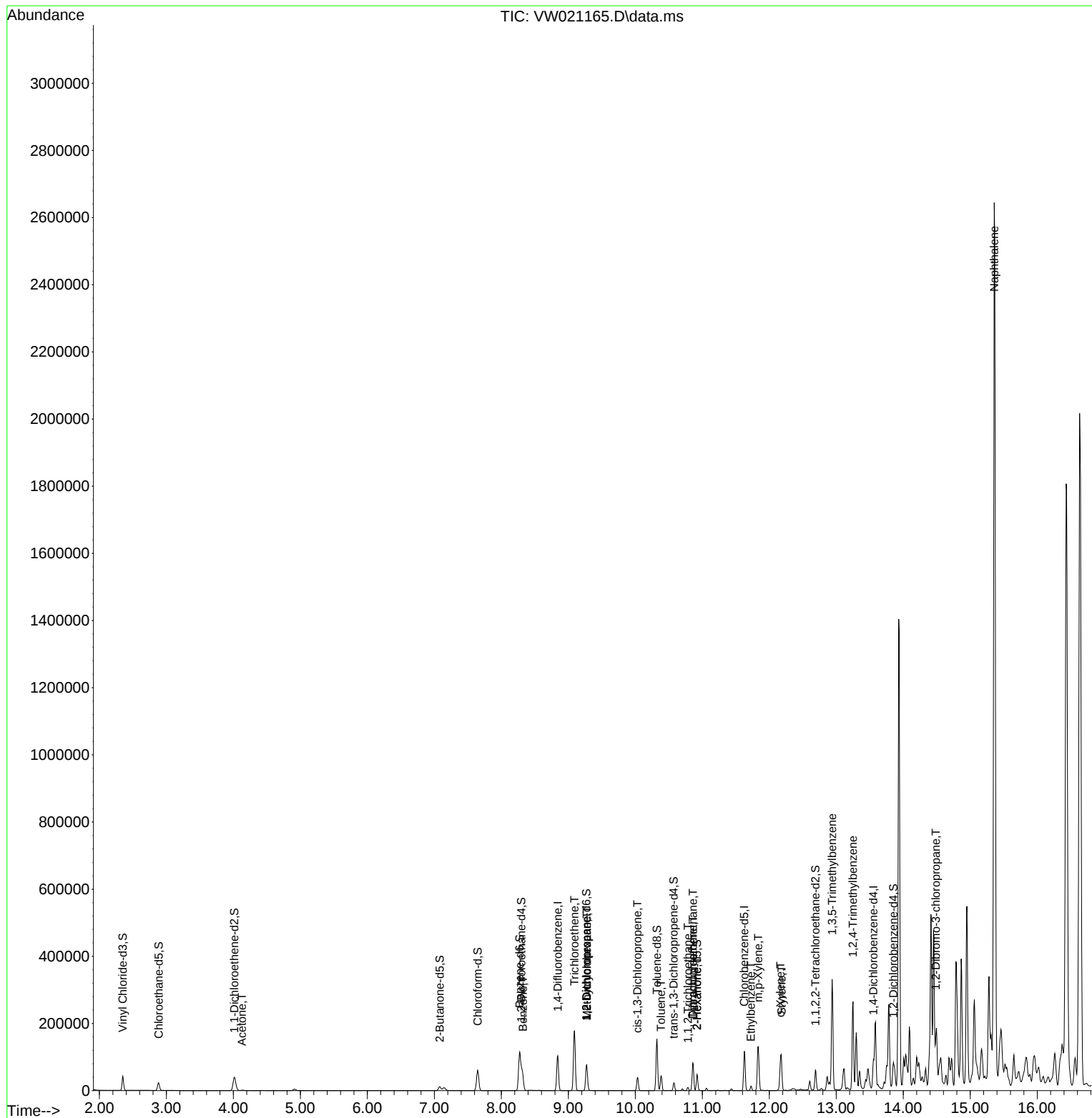
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

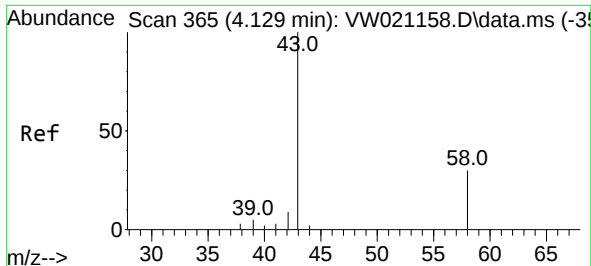
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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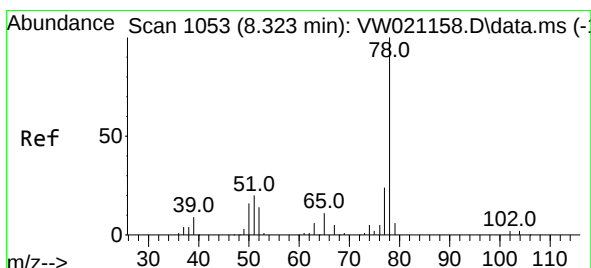
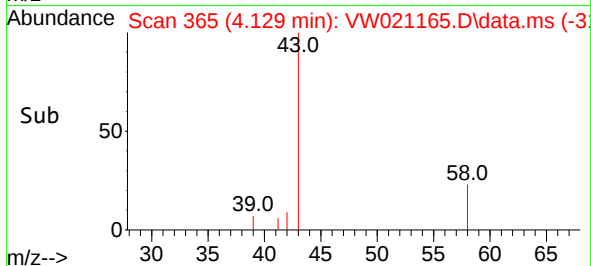
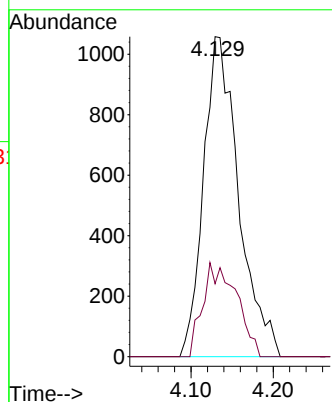
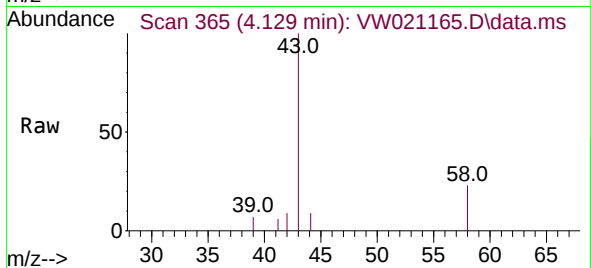




#13
Acetone
Concen: 11.947 ug/L
RT: 4.129 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

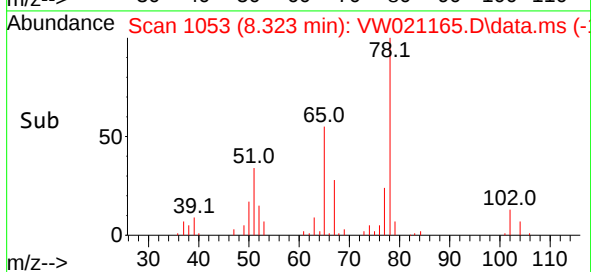
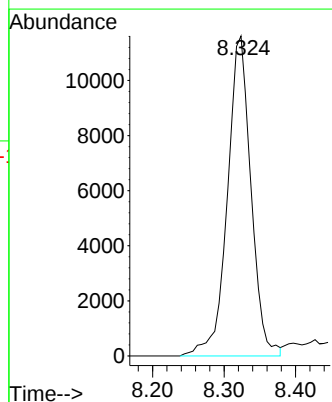
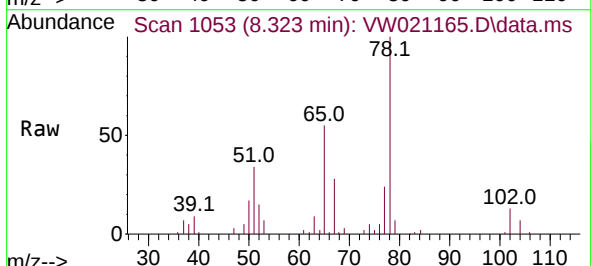
Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

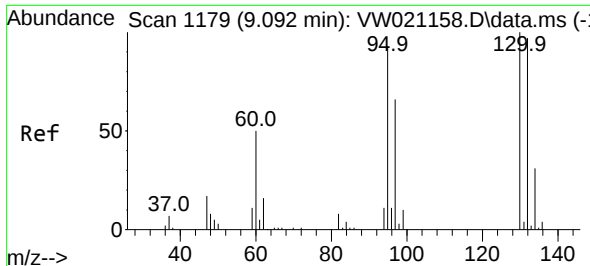
Tgt Ion: 43 Resp: 3138
Ion Ratio Lower Upper
43 100
58 11.6 0.0 52.8



#33
Benzene
Concen: 7.192 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion: 78 Resp: 26610

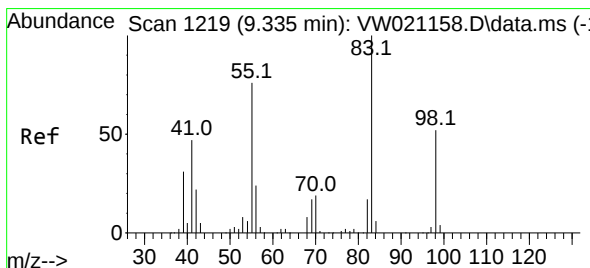
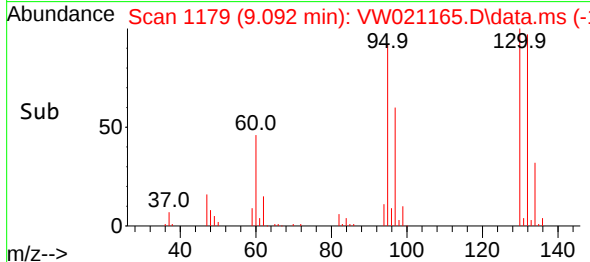
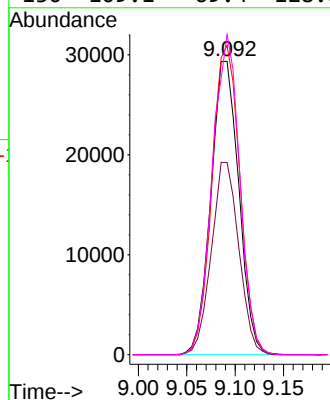
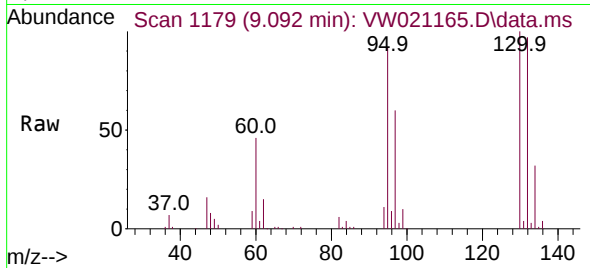




#34
Trichloroethene
Concen: 57.723 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

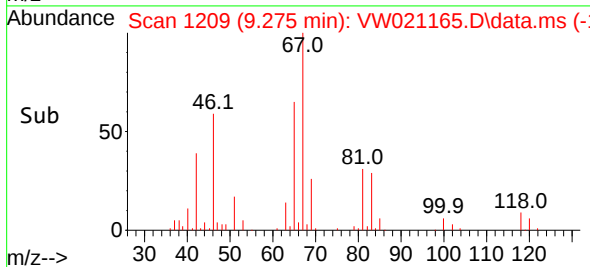
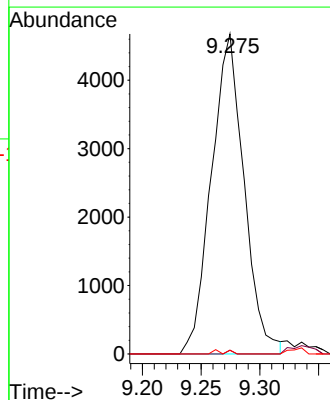
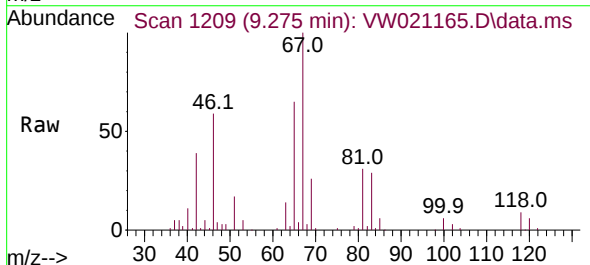
Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

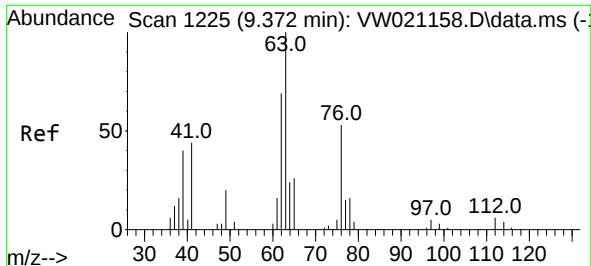
Tgt Ion:	95	Resp:	58918
Ion	Ratio	Lower	Upper
95	100		
97	65.5	47.0	87.2
132	105.5	65.5	121.6
130	109.1	69.4	128.8



#35
Methylcyclohexane
Concen: 5.263 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion:	83	Resp:	9043
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.8	106.2#
98	0.3	37.7	56.5#





#37

1,2-Dichloropropane

Concen: 5.179 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021165.D

Acq: 06 Dec 2021 13:33

Instrument :

MSVOA_W

ClientSampleId :

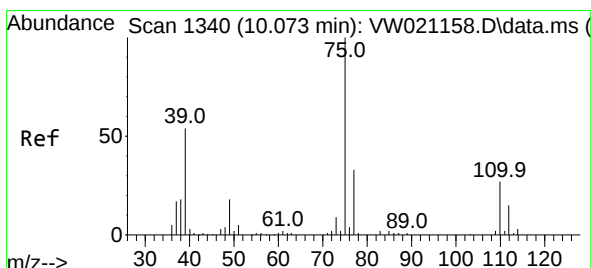
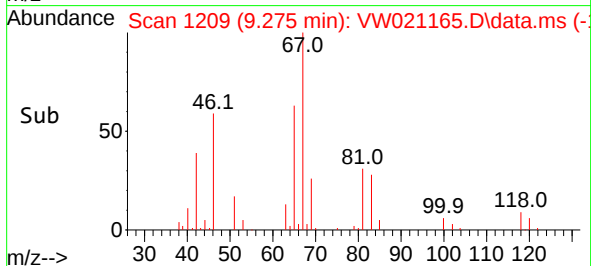
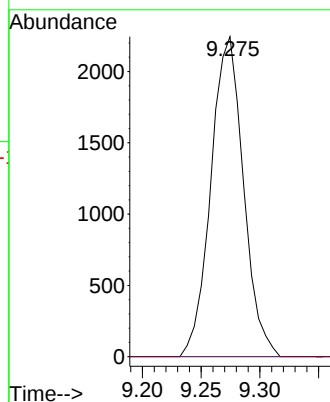
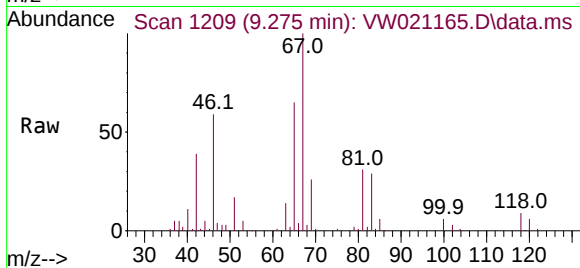
EW9M7RE

Tgt Ion: 63 Resp: 4331

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.911 ug/L

RT: 10.031 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021165.D

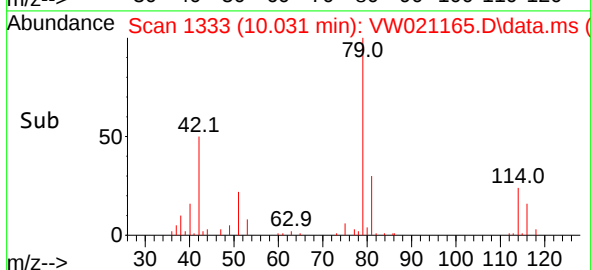
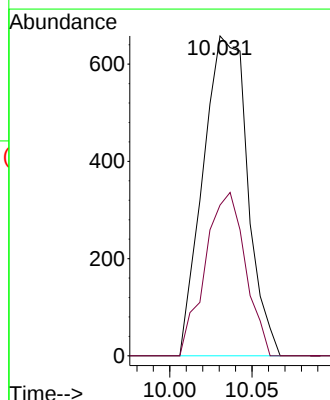
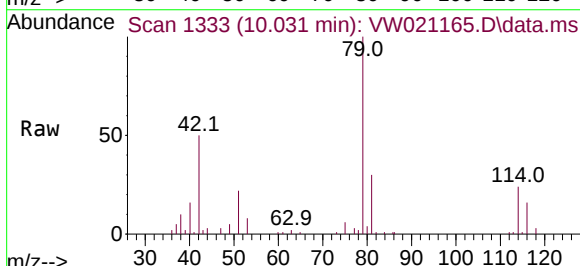
Acq: 06 Dec 2021 13:33

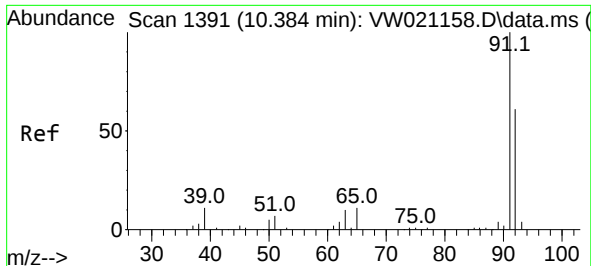
Tgt Ion: 75 Resp: 1232

Ion Ratio Lower Upper

75 100

77 47.1 21.8 40.6#

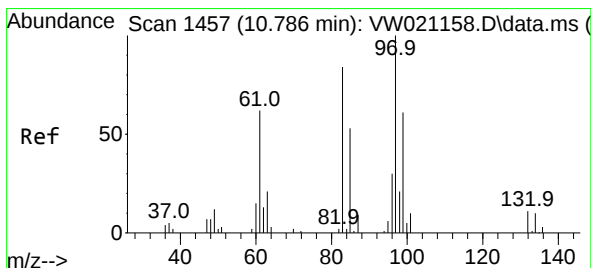
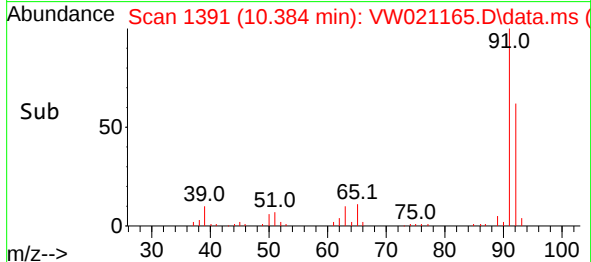
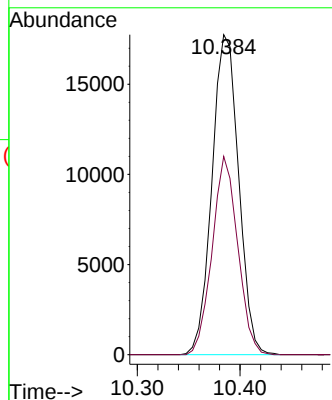
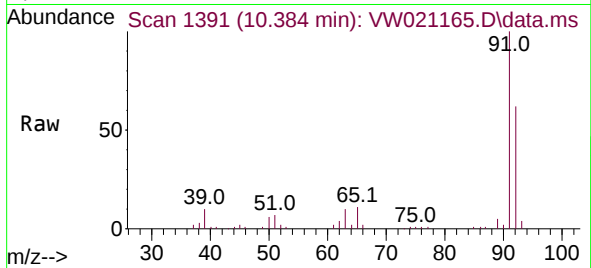




#42
Toluene
Concen: 7.572 ug/L
RT: 10.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

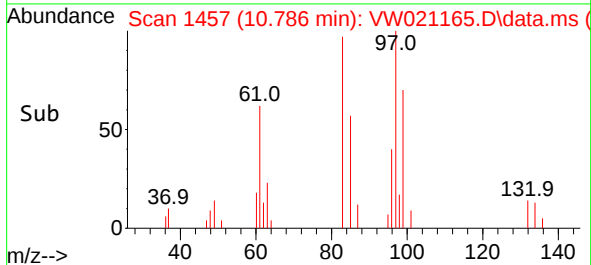
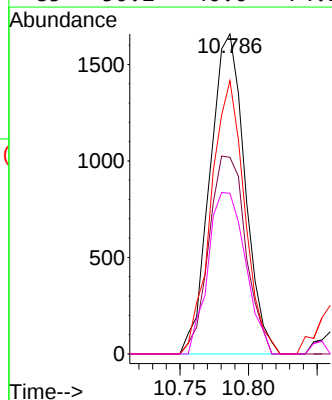
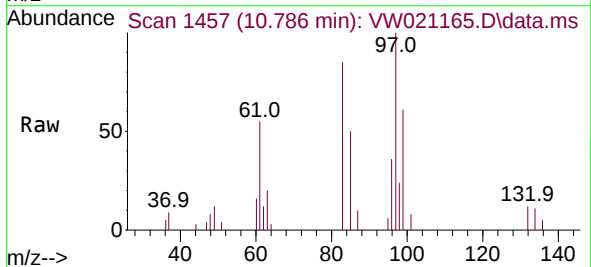
Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

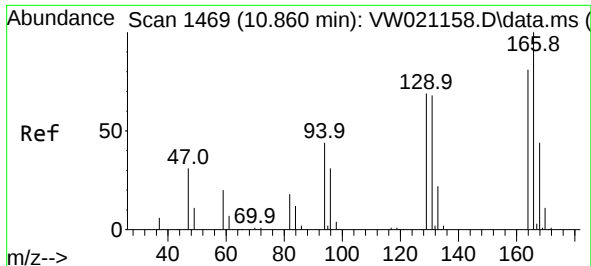
Tgt Ion: 91 Resp: 32000
Ion Ratio Lower Upper
91 100
92 62.0 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 4.201 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion: 97 Resp: 2945
Ion Ratio Lower Upper
97 100
99 61.5 43.0 79.8
83 85.4 62.6 116.3
85 50.2 40.0 74.2



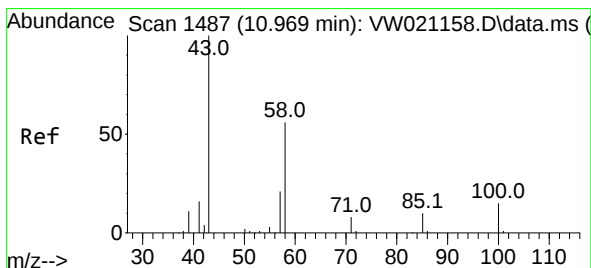
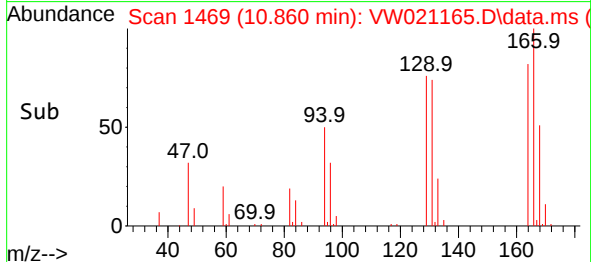
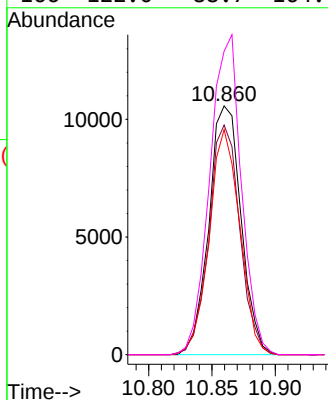
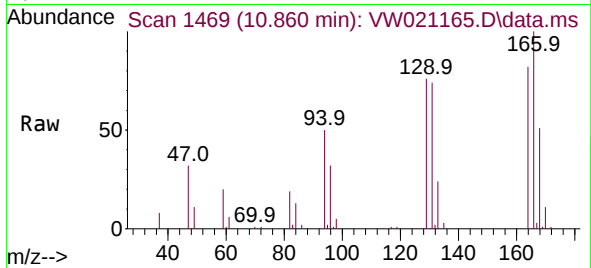


#46
Tetrachloroethene
Concen: 20.008 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

Tgt Ion:164 Resp: 18701

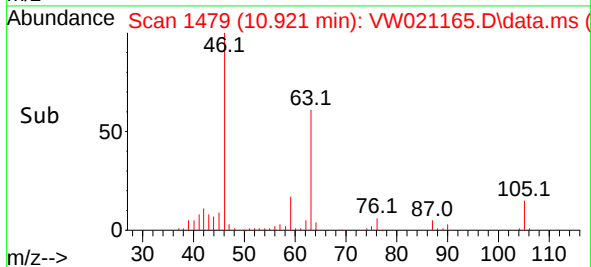
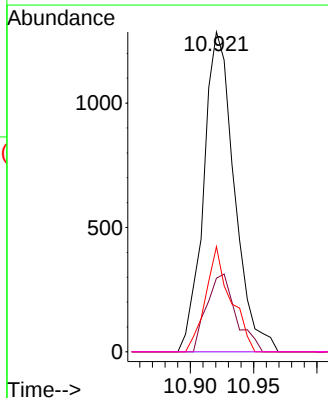
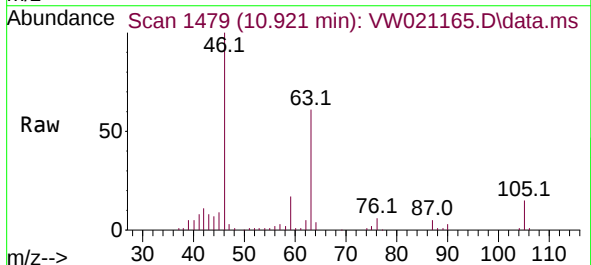
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.5	121.7
131	90.4	59.7	110.9
166	122.0	88.7	164.7

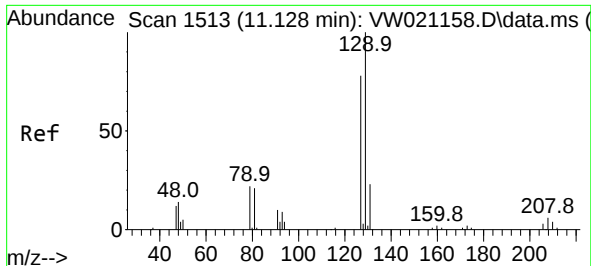


#48
2-Hexanone
Concen: 5.290 ug/L
RT: 10.921 min Scan# 1479
Delta R.T. -0.049 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion: 43 Resp: 2174

Ion	Ratio	Lower	Upper
43	100		
58	23.1	40.2	60.2#
57	26.9	14.3	21.5#
100	0.9	8.0	12.0#





#49

Dibromochloromethane

Concen: 17.404 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW021165.D

Acq: 06 Dec 2021 13:33

Instrument :

MSVOA_W

ClientSampleId :

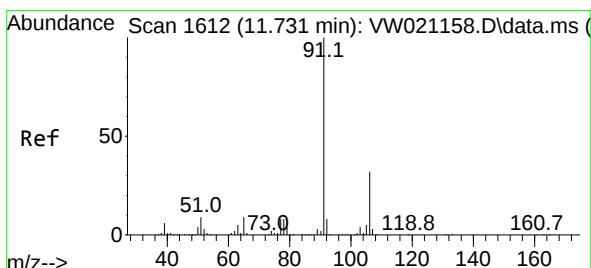
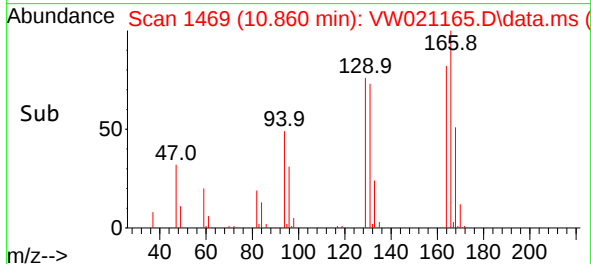
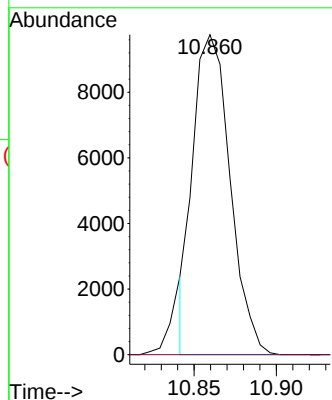
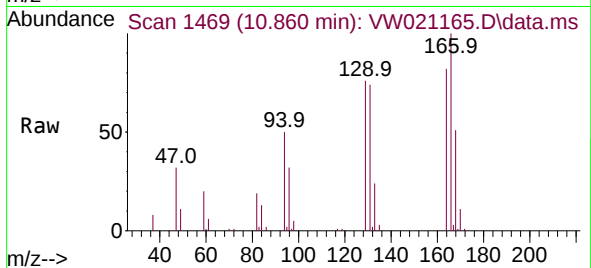
EW9M7RE

Tgt Ion:129 Resp: 15250

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 1.962 ug/L

RT: 11.725 min Scan# 1611

Delta R.T. -0.006 min

Lab File: VW021165.D

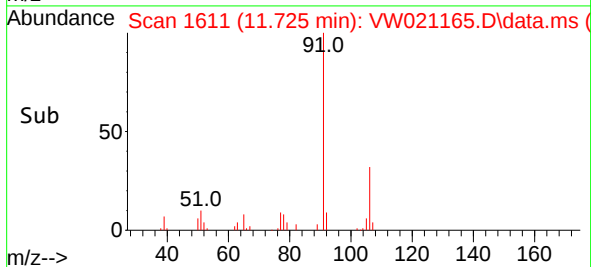
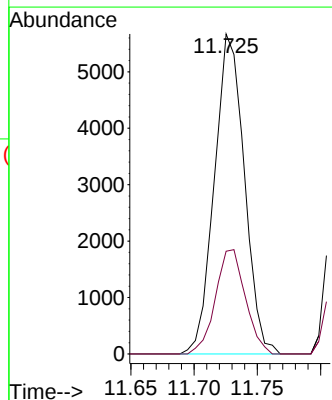
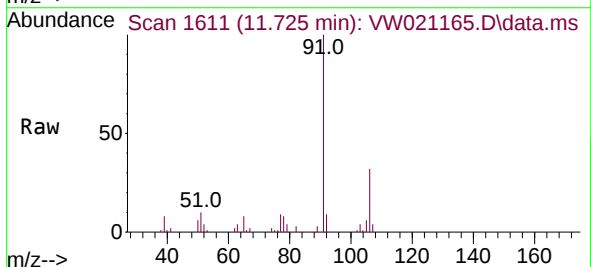
Acq: 06 Dec 2021 13:33

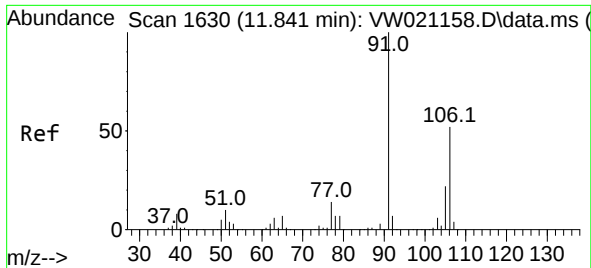
Tgt Ion: 91 Resp: 9336

Ion Ratio Lower Upper

91 100

106 32.1 21.5 39.9

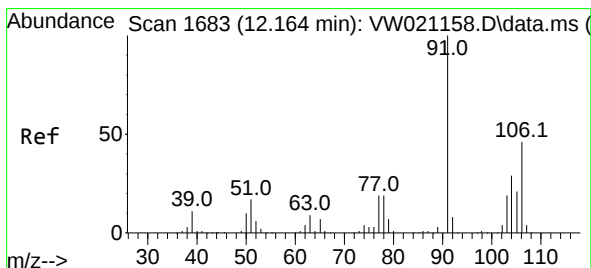
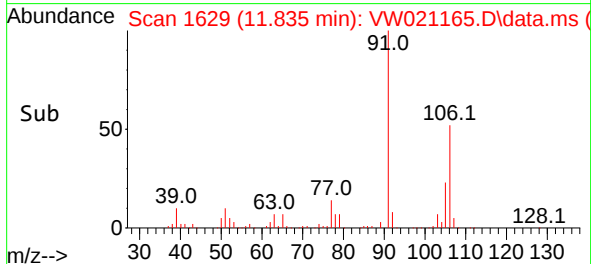
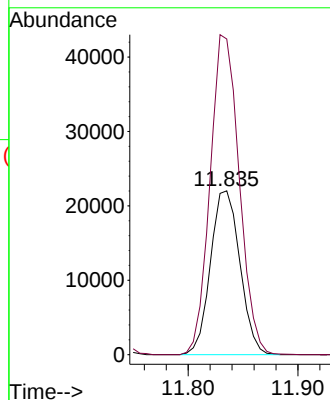
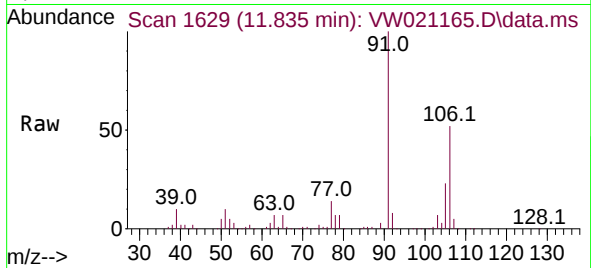




#53
m,p-Xylene
Concen: 20.871 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

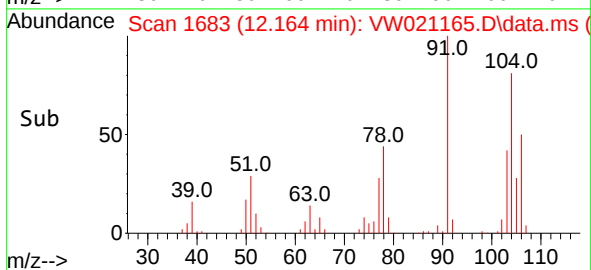
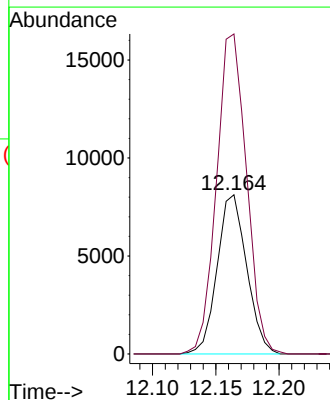
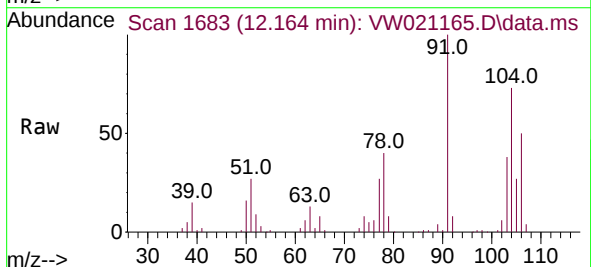
Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

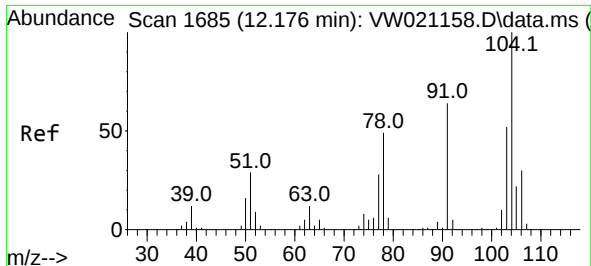
Tgt Ion:106 Resp: 41075
Ion Ratio Lower Upper
106 100
91 192.7 149.9 278.3



#54
o-Xylene
Concen: 7.110 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion:106 Resp: 13193
Ion Ratio Lower Upper
106 100
91 201.0 153.6 285.3

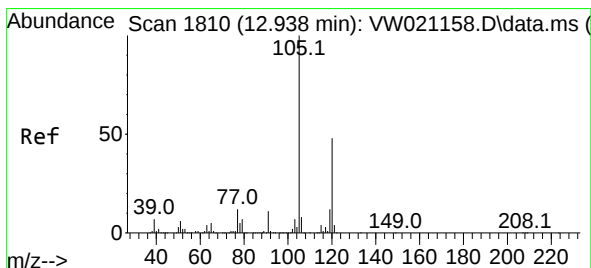
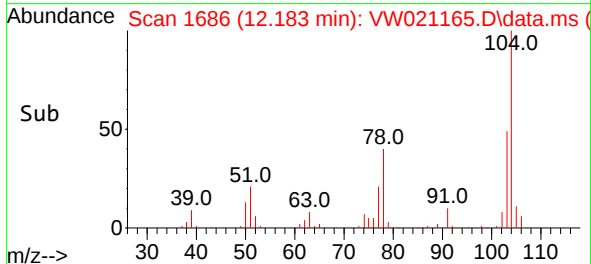
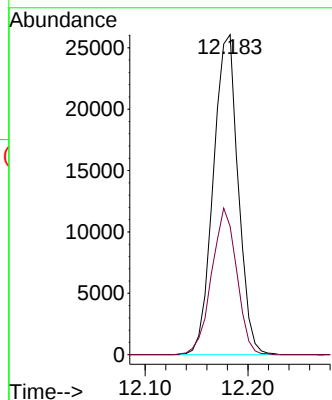
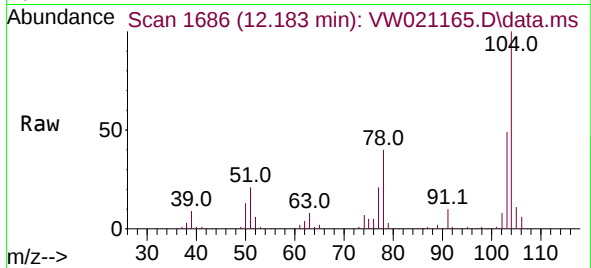




#55
Styrene
Concen: 13.828 ug/L
RT: 12.183 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

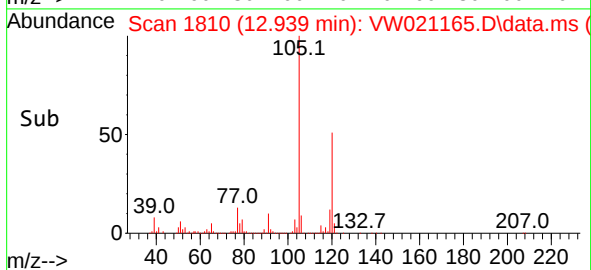
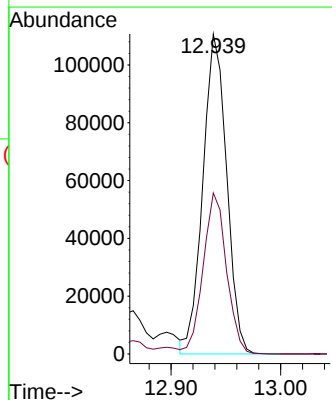
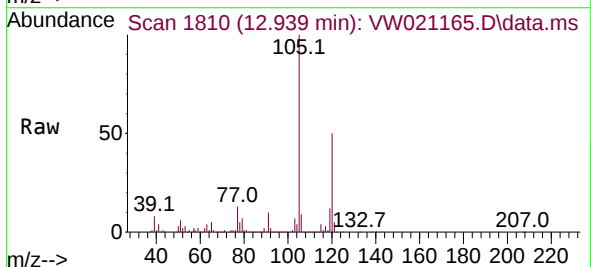
Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

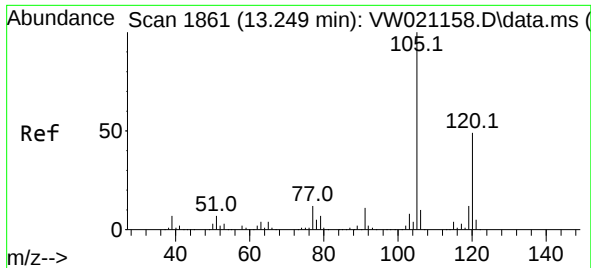
Tgt Ion:104 Resp: 43716
Ion Ratio Lower Upper
104 100
78 40.1 34.4 64.0



#62
1,3,5-Trimethylbenzene
Concen: 65.859 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion:105 Resp: 166789
Ion Ratio Lower Upper
105 100
120 49.4 37.4 56.2

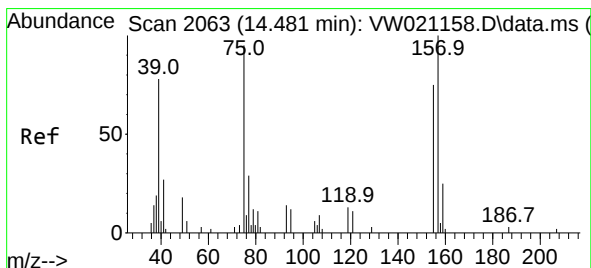
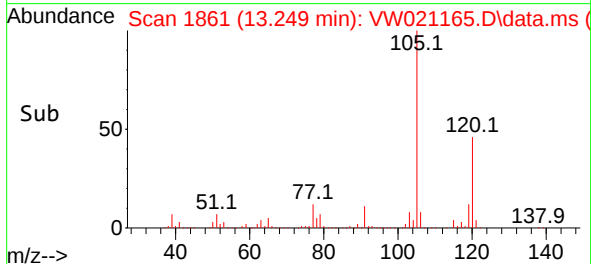
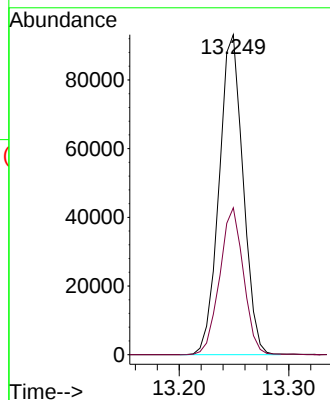
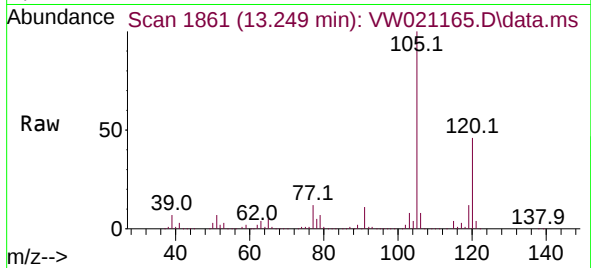




#63
1,2,4-Trimethylbenzene
Concen: 55.641 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

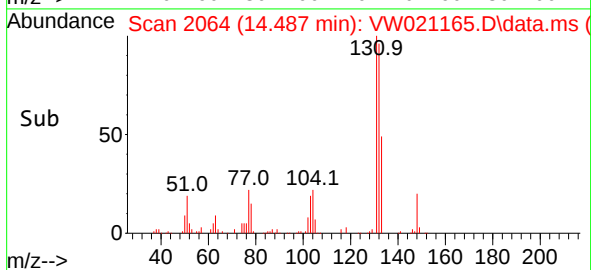
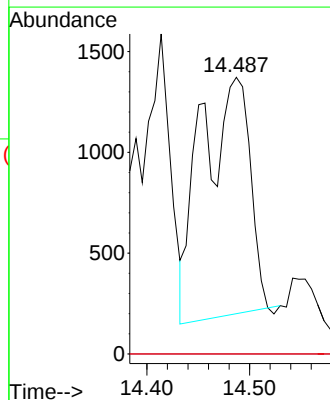
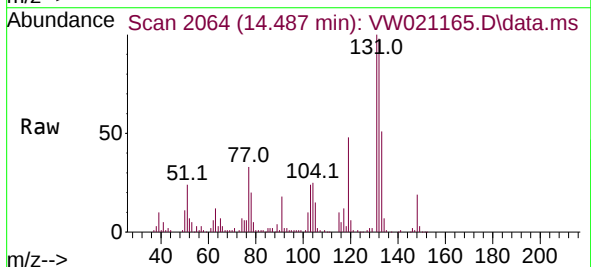
Instrument :
MSVOA_W
ClientSampleId :
EW9M7RE

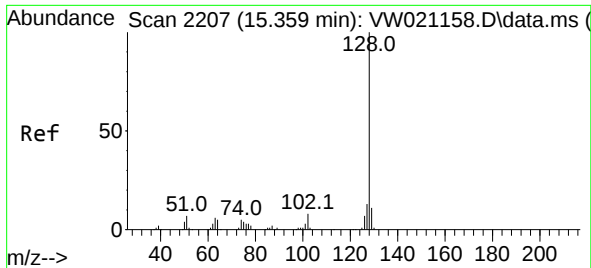
Tgt Ion:105 Resp: 141722
Ion Ratio Lower Upper
105 100
120 45.5 35.0 52.6



#68
1,2-Dibromo-3-chloropropane
Concen: 46.592 ug/L
RT: 14.487 min Scan# 2064
Delta R.T. 0.006 min
Lab File: VW021165.D
Acq: 06 Dec 2021 13:33

Tgt Ion: 75 Resp: 3835
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 0.0 69.4 104.2#





#71

Naphthalene

Concen: 1461.284 ug/L

RT: 15.359 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW021165.D

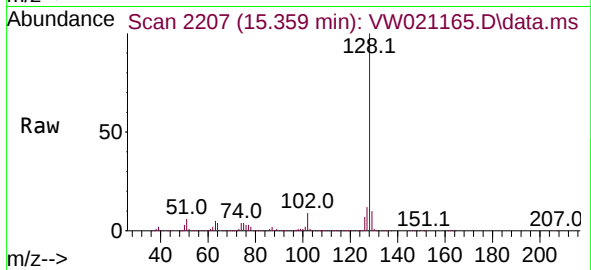
Acq: 06 Dec 2021 13:33

Instrument :

MSVOA_W

ClientSampleId :

EW9M7RE



Tgt Ion:128 Resp: 2336028

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.9 8.6 12.8

