

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021129.D
 Acq On : 04 Dec 2021 19:40
 Operator : SY/VA
 Sample : M4885-15
 Misc : 3.01g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 00:51:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	60321	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	43637	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	14446	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	26893	31.999	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 128.000%	
7) Chloroethane-d5	2.885	69	19679	34.979	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 139.920%	
11) 1,1-Dichloroethene-d2	4.013	63	30349	22.604	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 90.400%	
21) 2-Butanone-d5	7.080	46	12485	65.128	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 130.260%	
24) Chloroform-d	7.653	84	45412	30.061	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 120.240%	
26) 1,2-Dichloroethane-d4	8.305	65	25759	31.169	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 124.680%	
32) Benzene-d6	8.275	84	88229	39.543	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 158.160%#	
36) 1,2-Dichloropropane-d6	9.274	67	24721	39.870	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 159.480%#	
41) Toluene-d8	10.323	98	75843	33.151	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 132.600%#	
43) trans-1,3-Dichloroprop...	10.579	79	7441	26.429	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 105.720%	
47) 2-Hexanone-d5	10.920	63	9188	77.450	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 154.900%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	17085	29.784	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 119.120%	
66) 1,2-Dichlorobenzene-d4	13.853	152	14145	27.328	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 109.320%	
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	1606	9.197	ug/L	96
16) Methylene chloride	4.915	84	4820	5.072	ug/L	81
17) trans-1,2-Dichloroethene	5.440	96	807	0.968	ug/L	76
20) cis-1,2-Dichloroethene	7.171	96	19207	21.717	ug/L	76
25) Chloroform	7.677	83	1291	0.870	ug/L	96
27) 1,2-Dichloroethane	8.403	62	2788	2.872	ug/L	96
33) Benzene	8.323	78	24328	9.804	ug/L	100
34) Trichloroethene	9.098	95	2683918	3920.422	ug/L	92
37) 1,2-Dichloropropane	9.274	63	3170	5.652	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	846	0.933	ug/L	93
42) Toluene	10.390	91	28788	10.157	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	9353	19.891	ug/L	93
46) Tetrachloroethene	10.866	164	881777	1406.605	ug/L	92
48) 2-Hexanone	10.920	43	1319	4.785	ug/L #	68
49) Dibromochloromethane	10.866	129	724370	1232.576	ug/L #	10
53) m,p-Xylene	11.835	106	4520	3.424	ug/L	89
54) o-Xylene	12.170	106	805	0.647	ug/L	64
55) Styrene	12.176	104	6718	3.168	ug/L	88
60) Isopropylbenzene	12.170	105	941	0.469	ug/L #	1

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 Response via : Initial Calibration

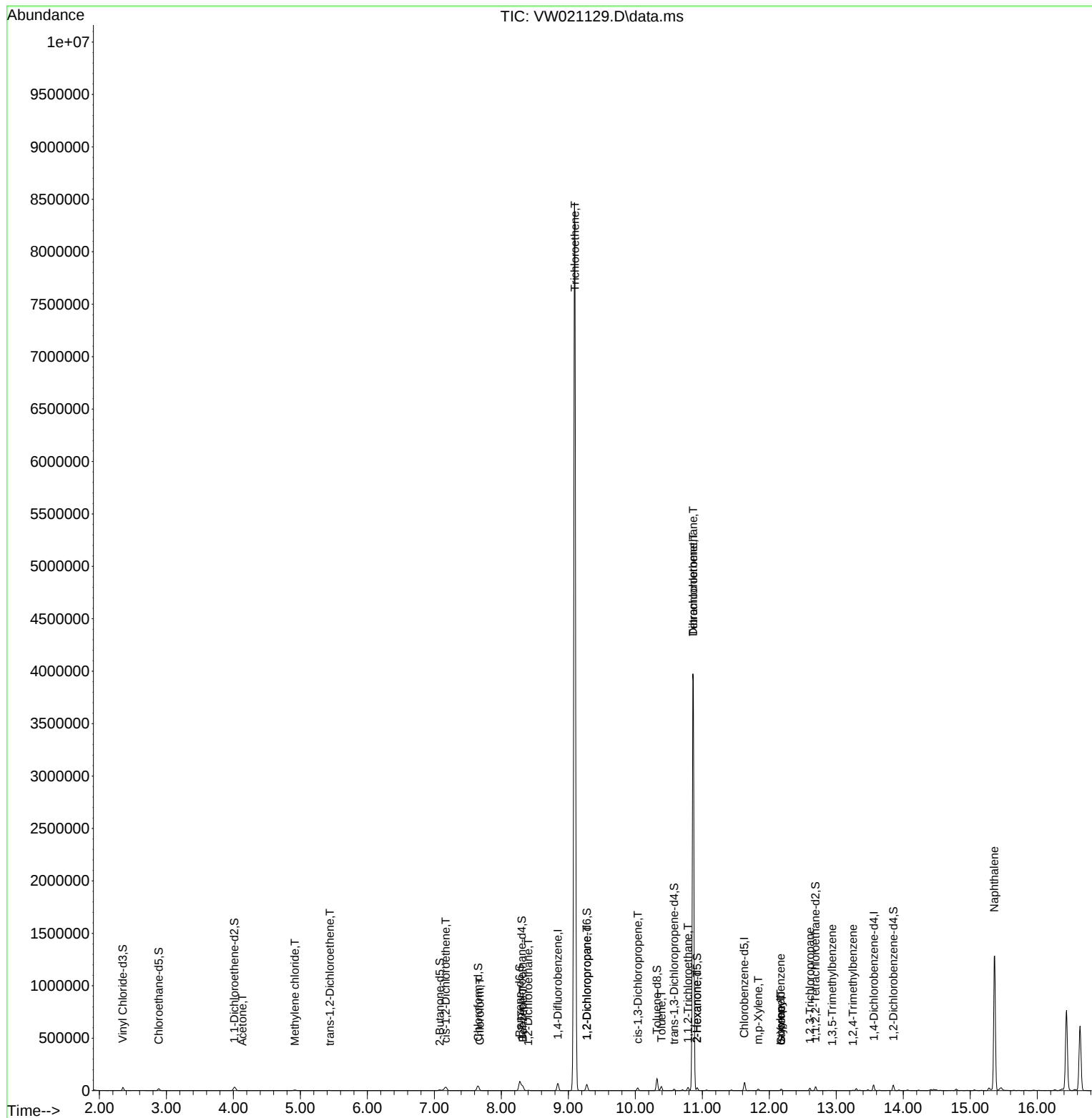
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	12.609	75	231	0.955	ug/L #	67
62) 1,3,5-Trimethylbenzene	12.938	105	1663	0.989	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	2420	1.431	ug/L	88
71) Naphthalene	15.359	128	1125483	1060.491	ug/L	100

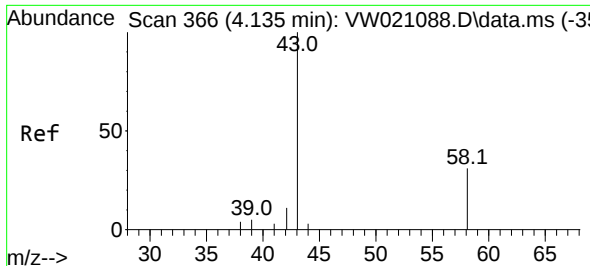
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration





#13

Acetone

Concen: 9.197 ug/L

RT: 4.135 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW021129.D

Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_W

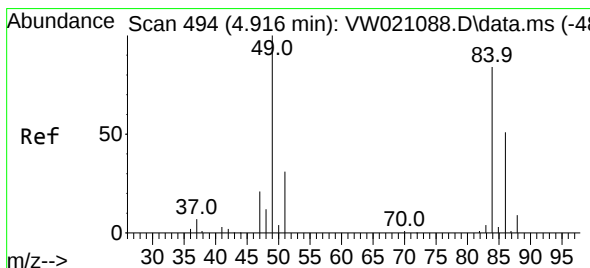
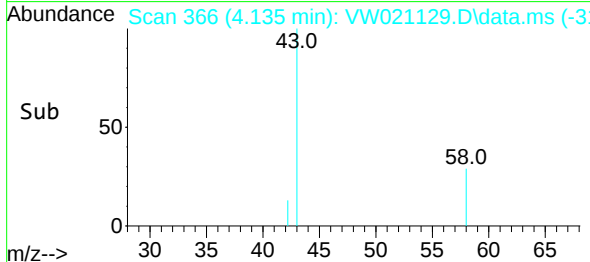
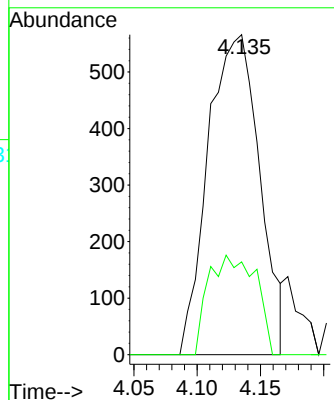
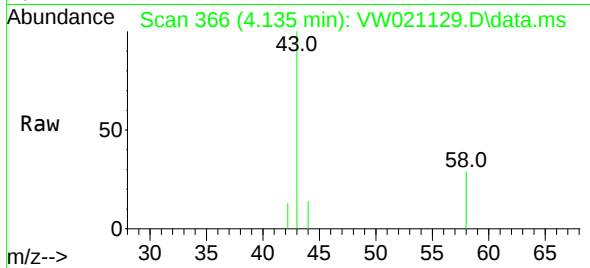
ClientSampleId :

Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

43 100

58 28.6 0.0 52.8



#16

Methylene chloride

Concen: 5.072 ug/L

RT: 4.915 min Scan# 494

Delta R.T. -0.000 min

Lab File: VW021129.D

Acq: 04 Dec 2021 19:40

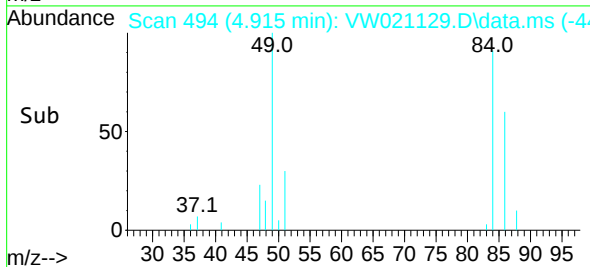
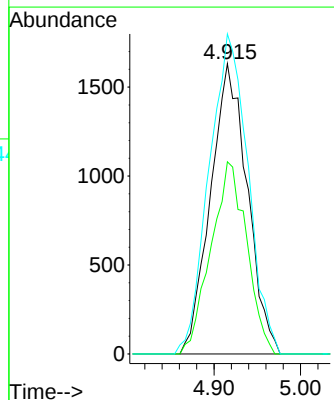
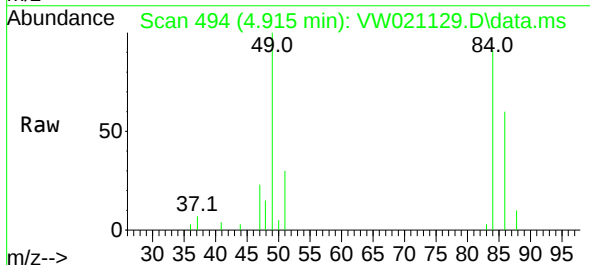
Tgt Ion: 84 Resp: 4820

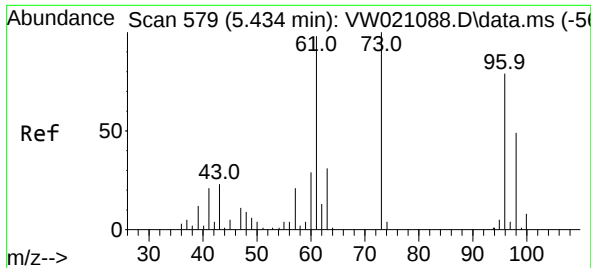
Ion Ratio Lower Upper

84 100

86 66.2 45.5 84.5

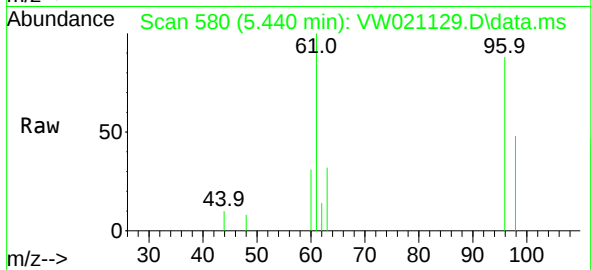
49 110.2 100.5 186.7





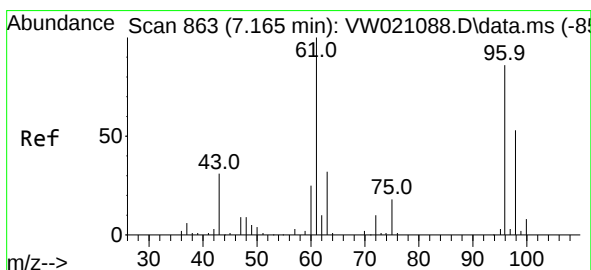
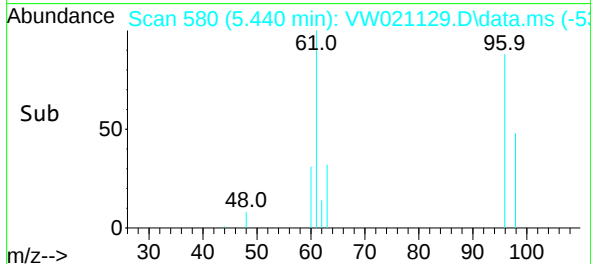
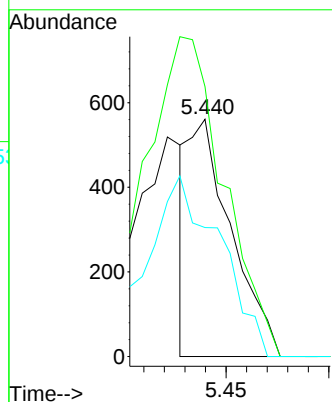
#17
 trans-1,2-Dichloroethene
 Concen: 0.968 ug/L
 RT: 5.440 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW021129.D
 Acq: 04 Dec 2021 19:40

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 96 Resp: 807

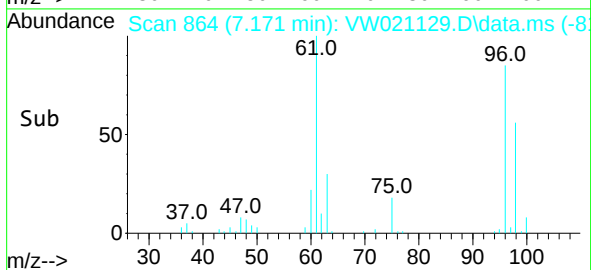
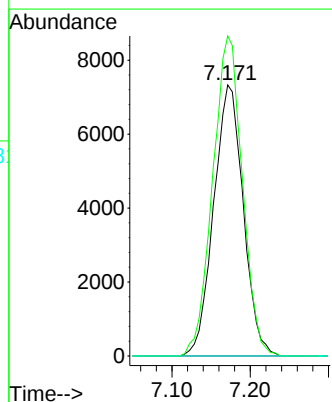
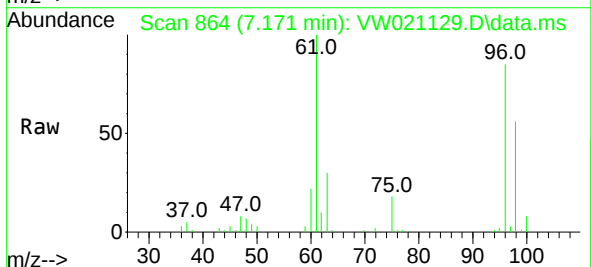
Ion	Ratio	Lower	Upper
96	100		
61	113.7	107.4	199.4
98	54.4	41.2	76.6

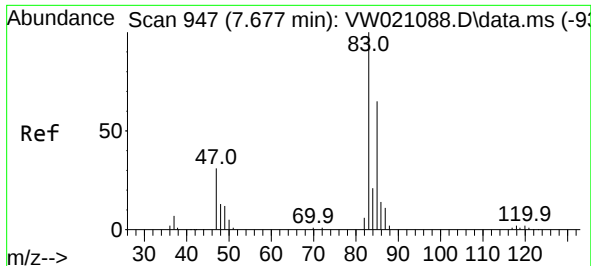


#20
 cis-1,2-Dichloroethene
 Concen: 21.717 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: VW021129.D
 Acq: 04 Dec 2021 19:40

Tgt Ion: 96 Resp: 19207

Ion	Ratio	Lower	Upper
96	100		
61	118.1	103.7	192.7
68	0.0	0.0	0.0

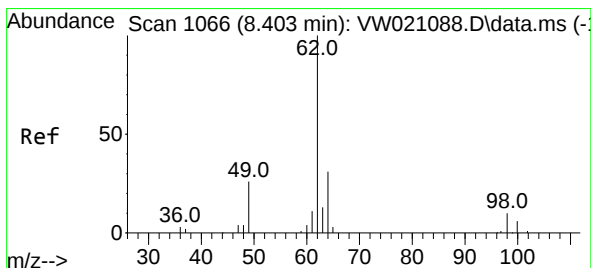
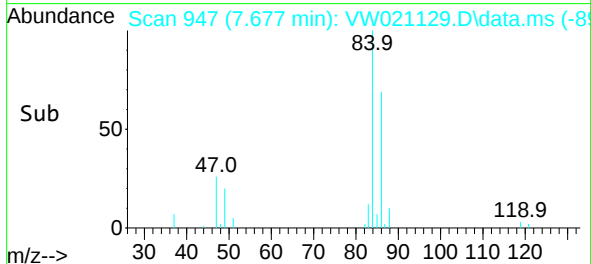
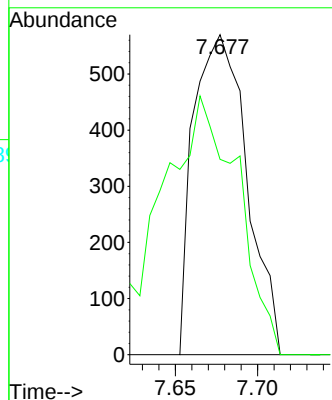
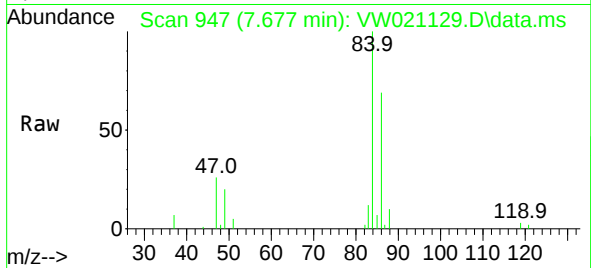




#25
Chloroform
Concen: 0.870 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

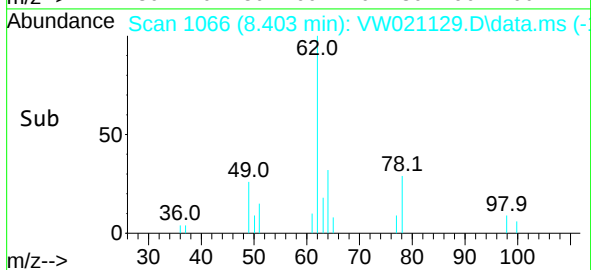
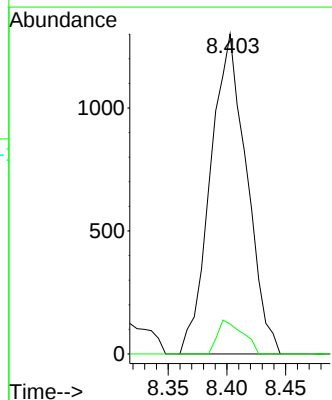
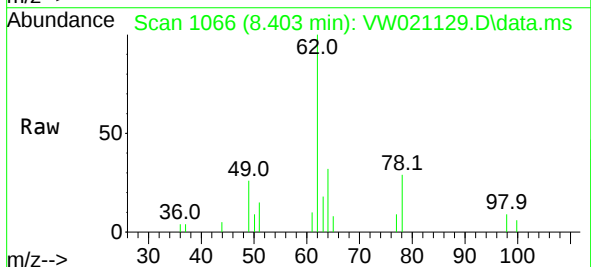
Instrument :
MSVOA_W
ClientSampleId :

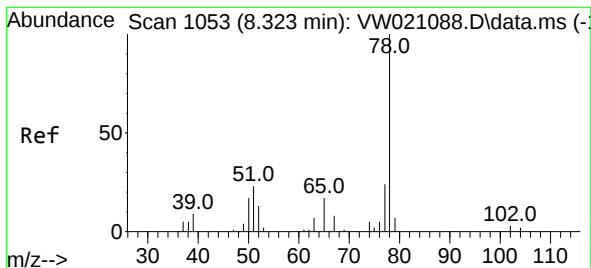
Tgt Ion: 83 Resp: 1291
Ion Ratio Lower Upper
83 100
85 61.1 45.1 83.7



#27
1,2-Dichloroethane
Concen: 2.872 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

Tgt Ion: 62 Resp: 2788
Ion Ratio Lower Upper
62 100
98 9.4 6.5 9.7





#33

Benzene

Concen: 9.804 ug/L

RT: 8.323 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VW021129.D

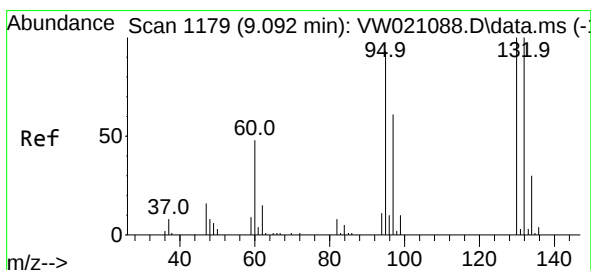
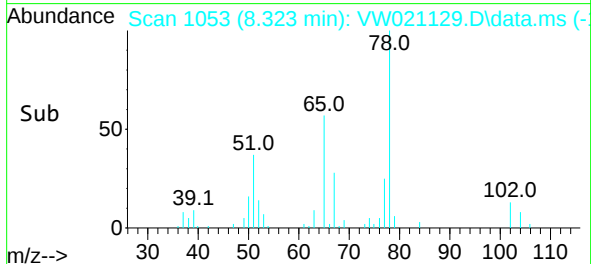
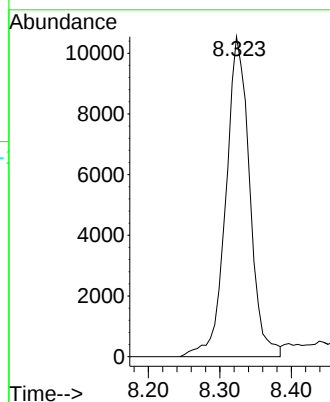
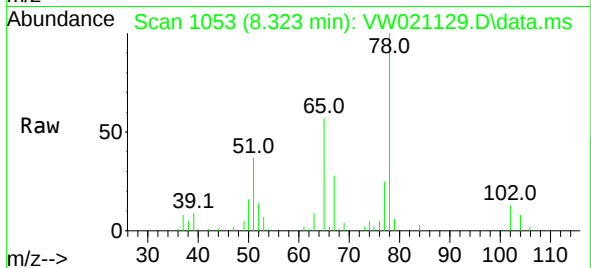
Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 24328



#34

Trichloroethene

Concen: 3920.422 ug/L

RT: 9.098 min Scan# 1180

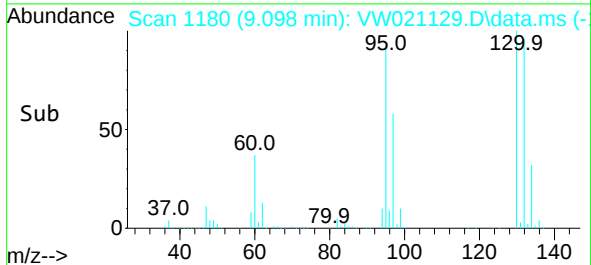
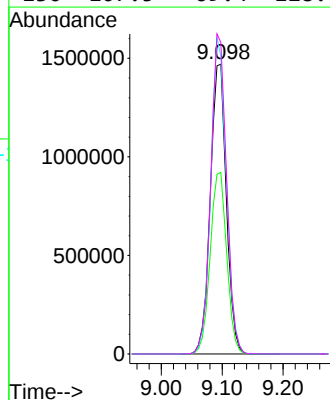
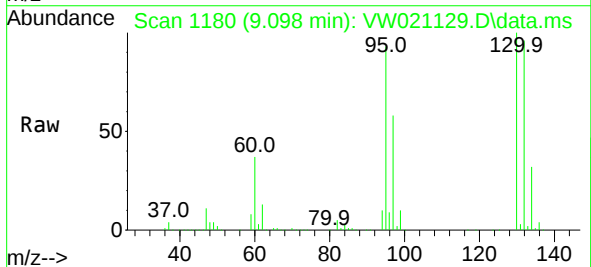
Delta R.T. 0.006 min

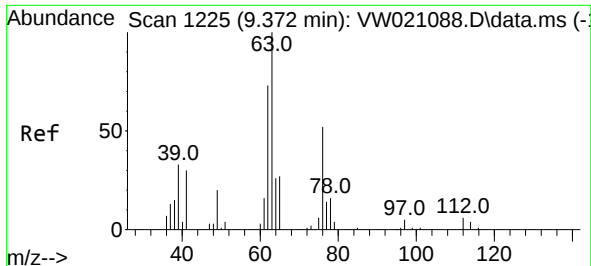
Lab File: VW021129.D

Acq: 04 Dec 2021 19:40

Tgt Ion: 95 Resp: 2683918

Ion	Ratio	Lower	Upper
95	100		
97	62.7	47.0	87.2
132	102.8	65.5	121.6
130	107.5	69.4	128.8





#37

1,2-Dichloropropane

Concen: 5.652 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021129.D

Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_W

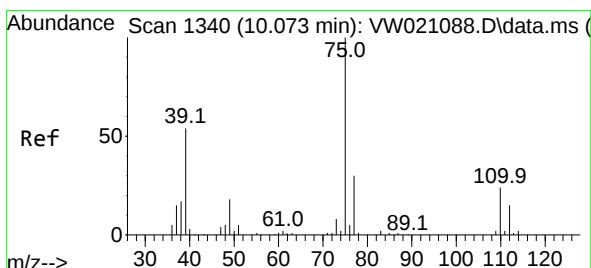
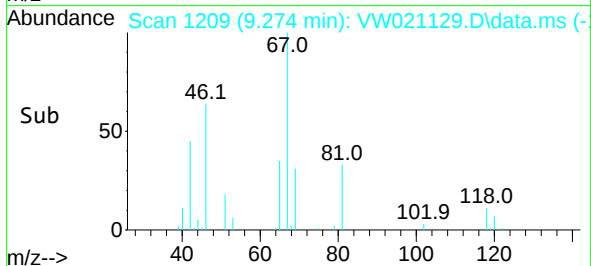
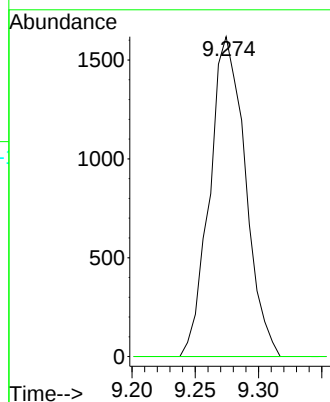
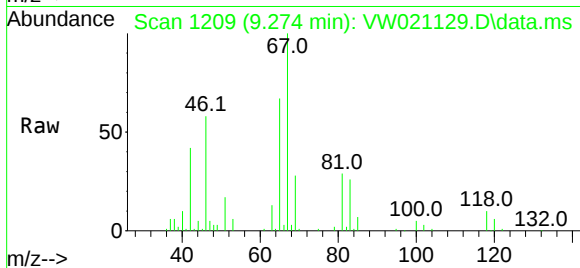
ClientSampleId :

Tgt Ion: 63 Resp: 3170

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.933 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021129.D

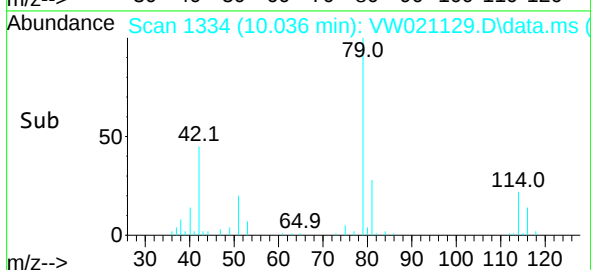
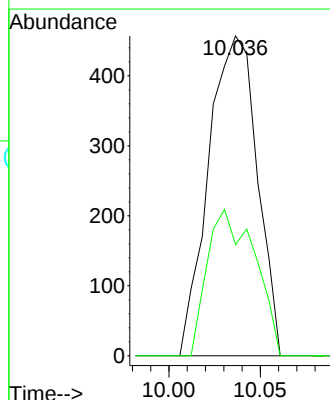
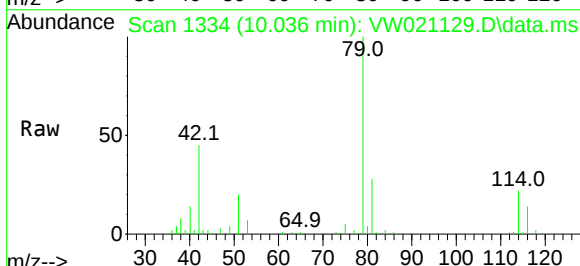
Acq: 04 Dec 2021 19:40

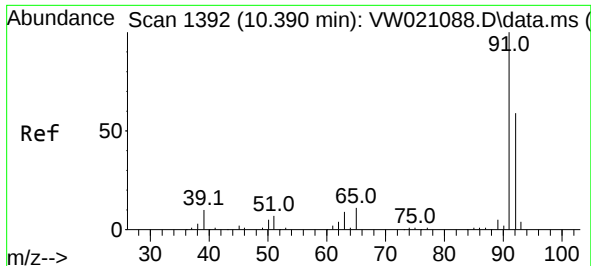
Tgt Ion: 75 Resp: 846

Ion Ratio Lower Upper

75 100

77 34.8 21.8 40.6

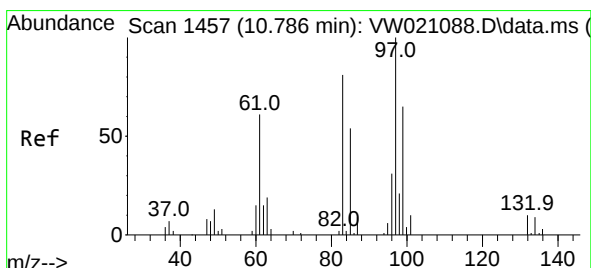
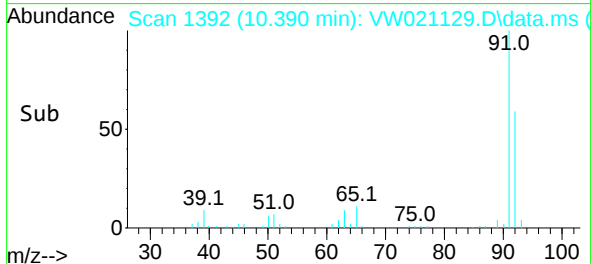
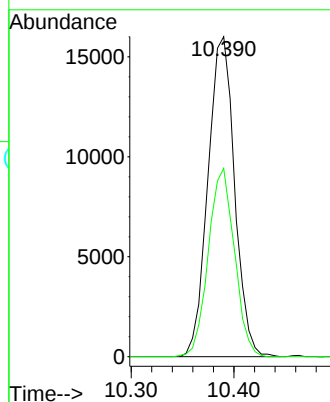
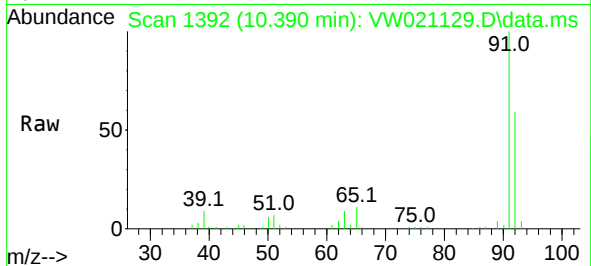




#42
Toluene
Concen: 10.157 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

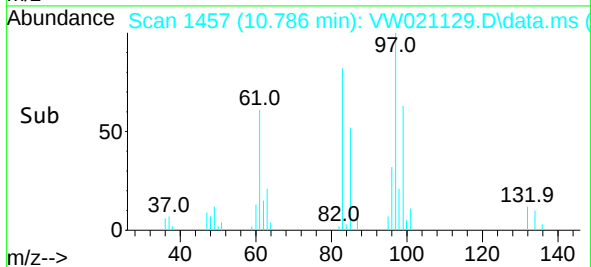
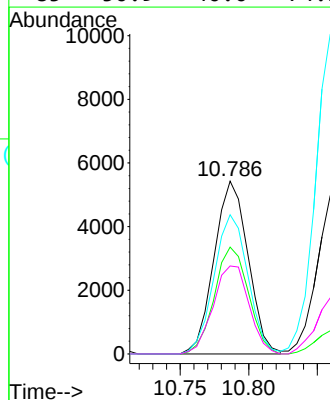
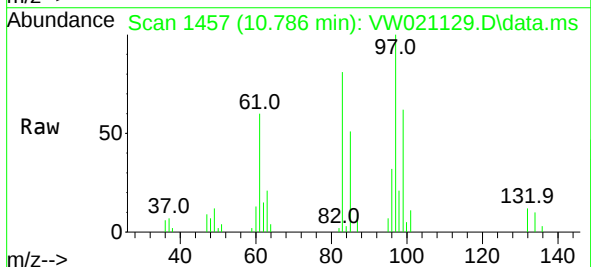
Instrument :
MSVOA_W
ClientSampleId :

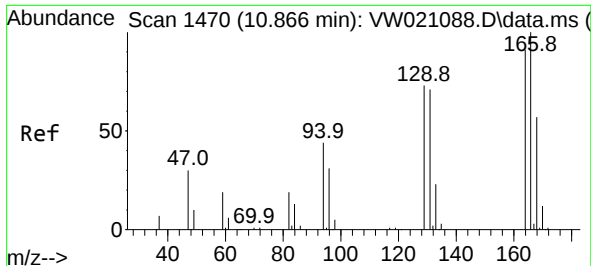
Tgt Ion: 91 Resp: 28788
Ion Ratio Lower Upper
91 100
92 58.9 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 19.891 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

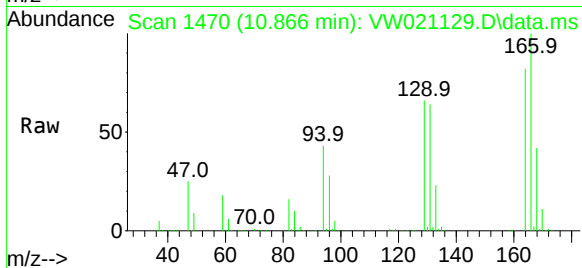
Tgt Ion: 97 Resp: 9353
Ion Ratio Lower Upper
97 100
99 61.9 43.0 79.8
83 80.5 62.6 116.3
85 50.9 40.0 74.2



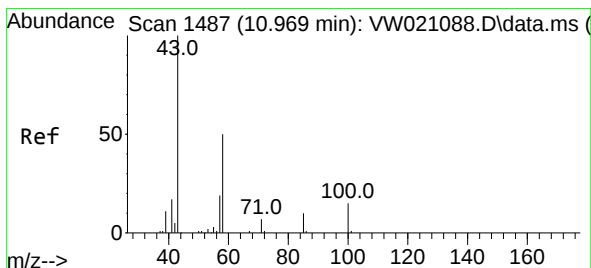
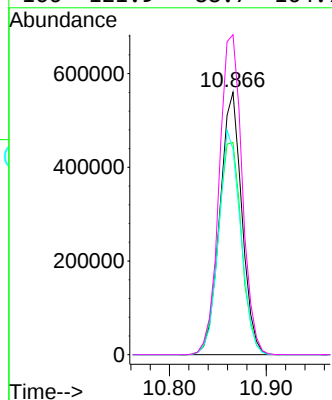
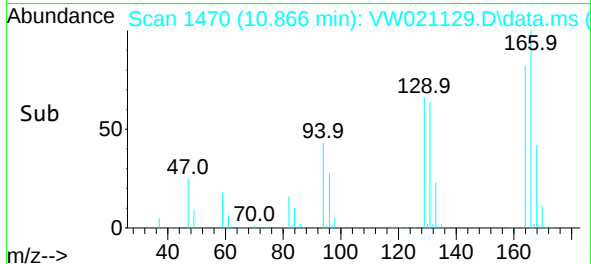


#46
Tetrachloroethene
Concen: 1406.605 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

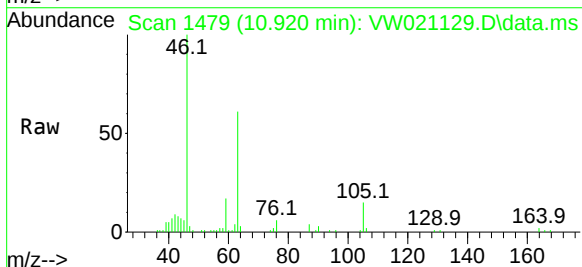
Instrument :
MSVOA_W
ClientSampleId :



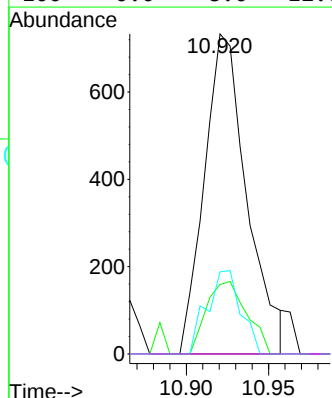
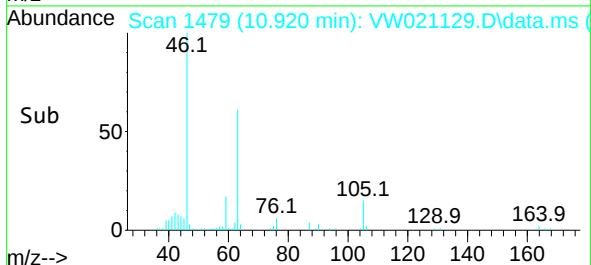
Tgt Ion:164 Resp: 881777
Ion Ratio Lower Upper
164 100
129 80.8 65.5 121.7
131 78.3 59.7 110.9
166 121.9 88.7 164.7

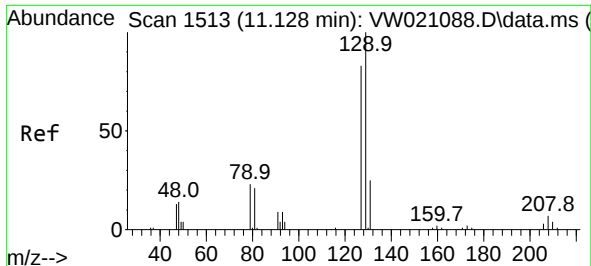


#48
2-Hexanone
Concen: 4.785 ug/L
RT: 10.920 min Scan# 1479
Delta R.T. -0.049 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40



Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 21.5 40.2 60.2#
57 20.8 14.3 21.5
100 0.0 8.0 12.0#





#49

Dibromochloromethane

Concen: 1232.576 ug/L

RT: 10.866 min Scan# 14

Delta R.T. -0.262 min

Lab File: VW021129.D

Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_W

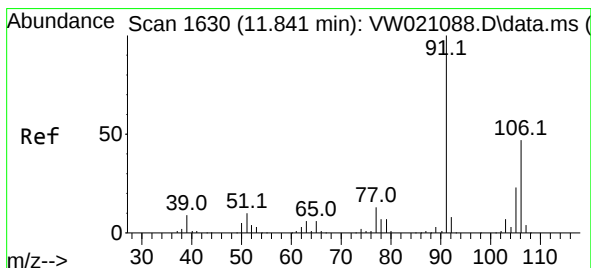
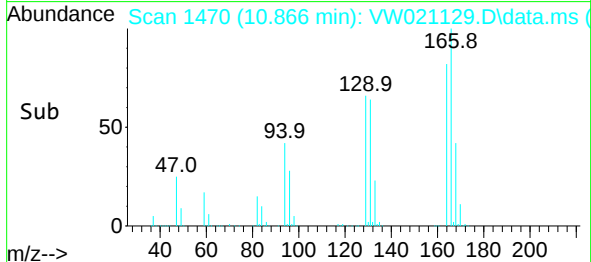
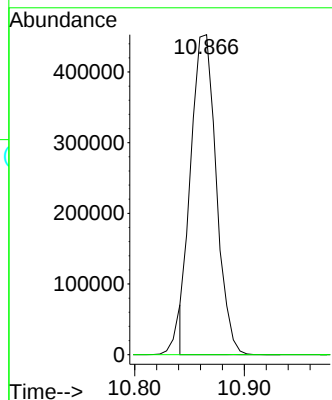
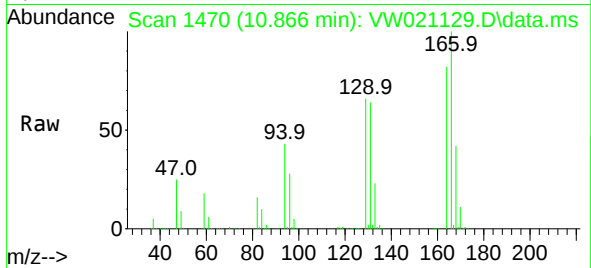
ClientSampleId :

Tgt Ion:129 Resp: 724370

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#53

m,p-Xylene

Concen: 3.424 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021129.D

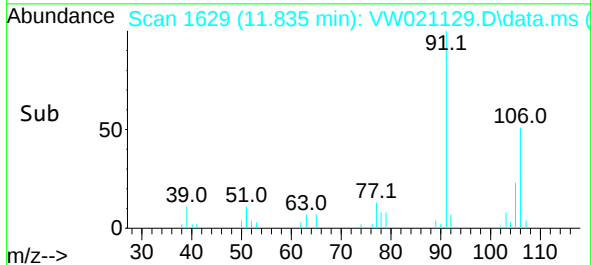
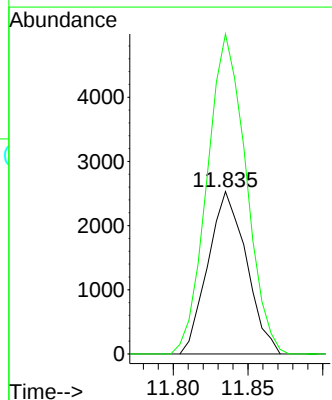
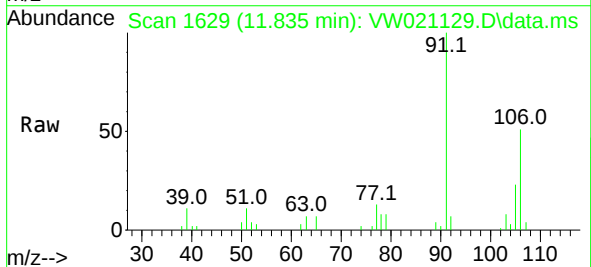
Acq: 04 Dec 2021 19:40

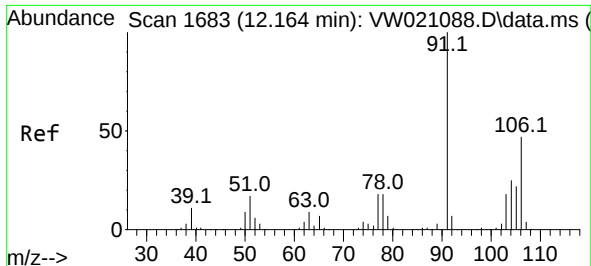
Tgt Ion:106 Resp: 4520

Ion Ratio Lower Upper

106 100

91 197.0 149.9 278.3

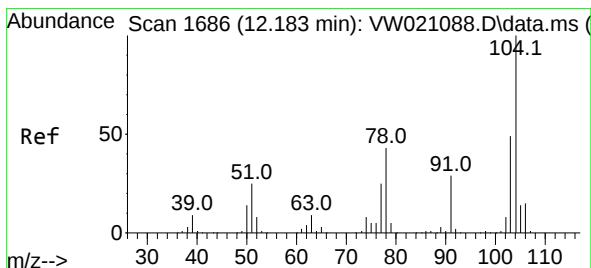
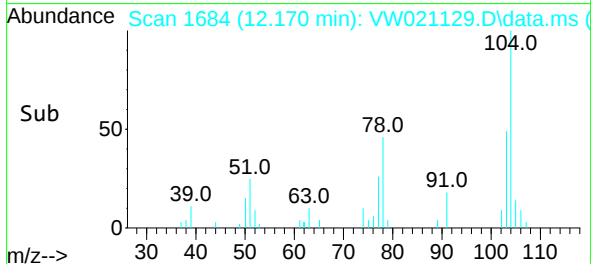
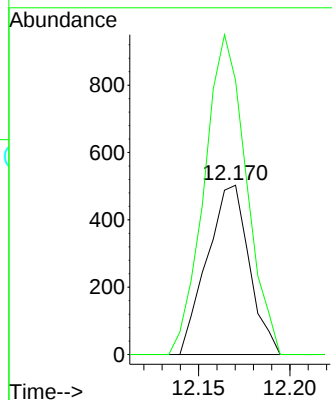
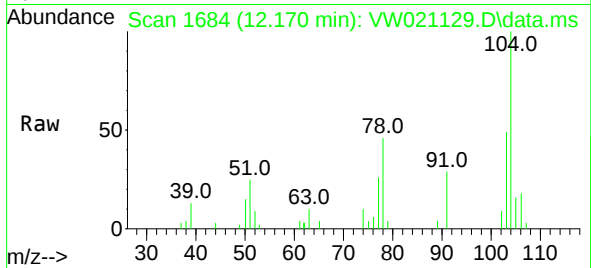




#54
o-Xylene
Concen: 0.647 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

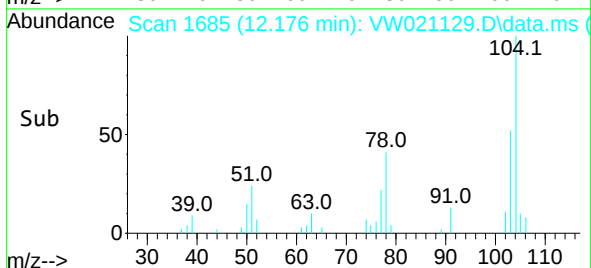
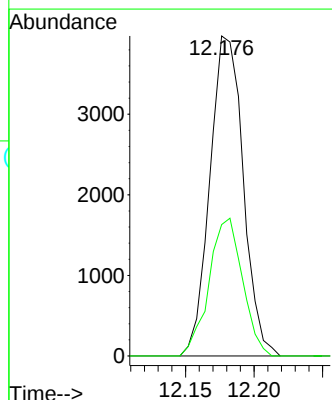
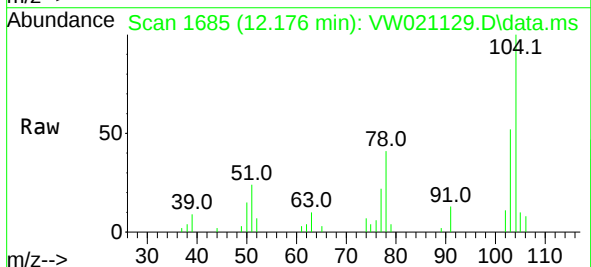
Instrument :
MSVOA_W
ClientSampleId :

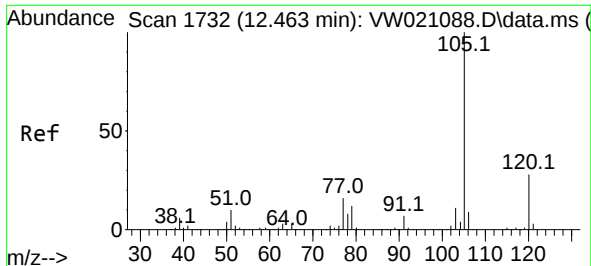
Tgt Ion:106 Resp: 805
Ion Ratio Lower Upper
106 100
91 161.8 153.6 285.3



#55
Styrene
Concen: 3.168 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

Tgt Ion:104 Resp: 6718
Ion Ratio Lower Upper
104 100
78 41.1 34.4 64.0

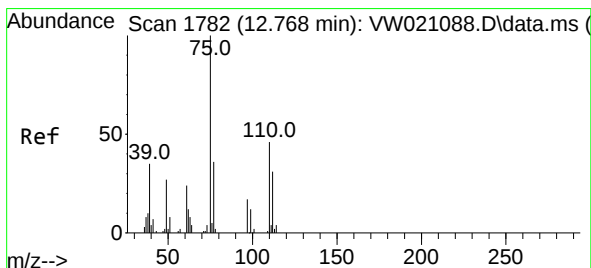
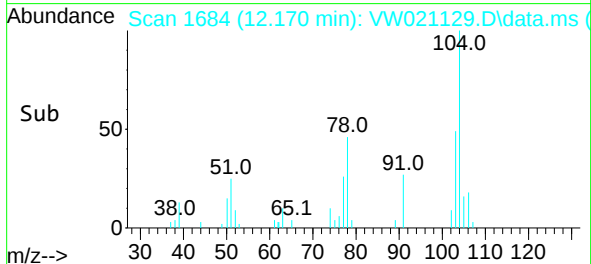
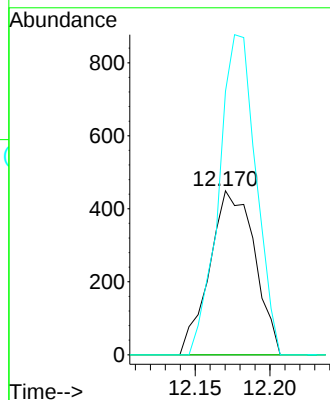
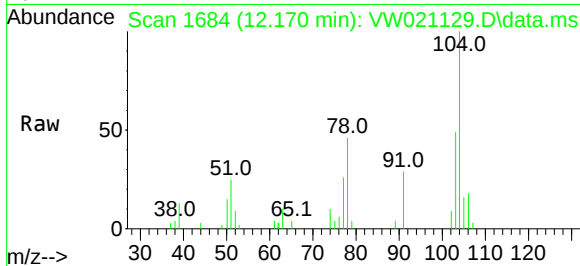




#60
Isopropylbenzene
Concen: 0.469 ug/L
RT: 12.170 min Scan# 1
Delta R.T. -0.293 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

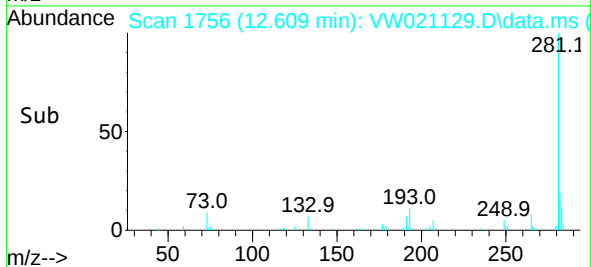
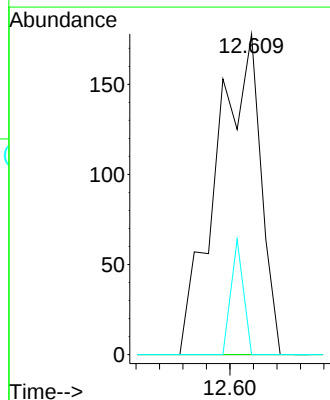
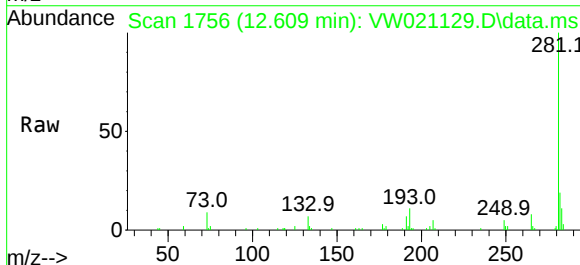
Instrument :
MSVOA_W
ClientSampleId :

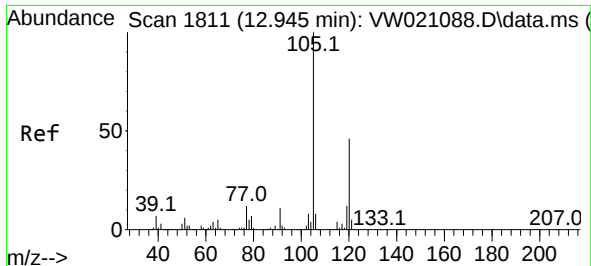
Tgt Ion:105 Resp: 941
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 161.0 13.8 20.8#



#61
1,2,3-Trichloropropane
Concen: 0.955 ug/L
RT: 12.609 min Scan# 1756
Delta R.T. -0.159 min
Lab File: VW021129.D
Acq: 04 Dec 2021 19:40

Tgt Ion: 75 Resp: 231
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.8
110 0.0 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.989 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021129.D

Acq: 04 Dec 2021 19:40

Instrument :

MSVOA_W

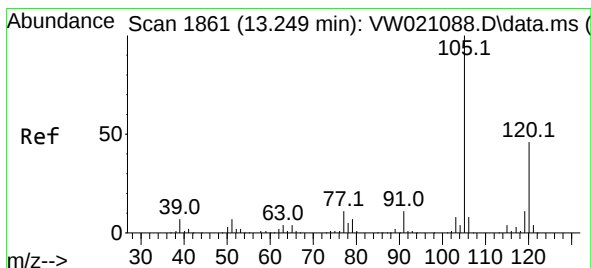
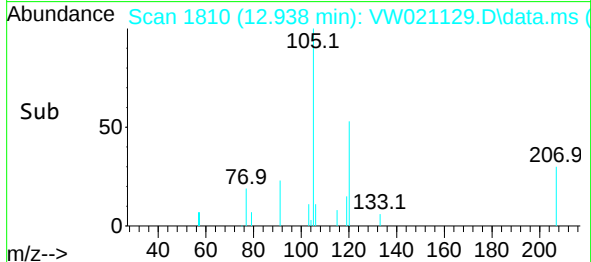
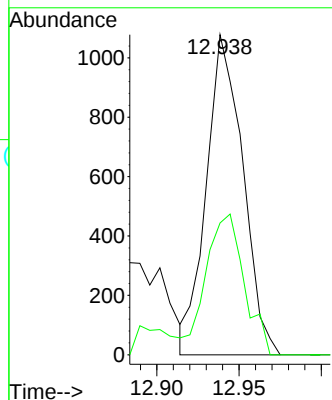
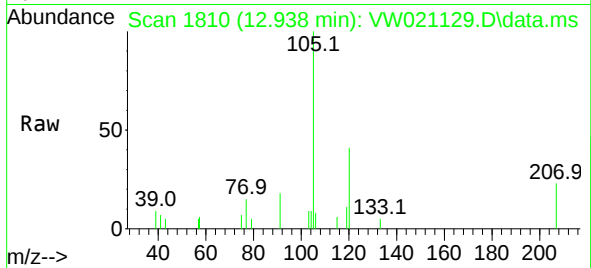
ClientSampleId :

Tgt Ion:105 Resp: 1663

Ion Ratio Lower Upper

105 100

120 46.1 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 1.431 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021129.D

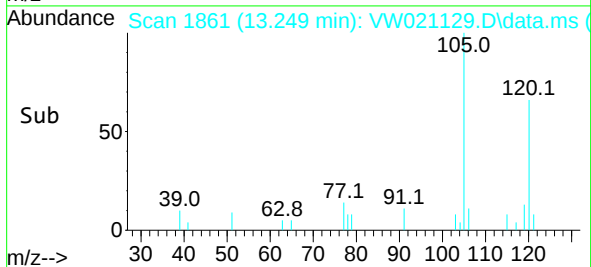
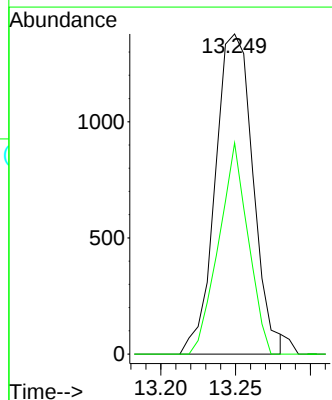
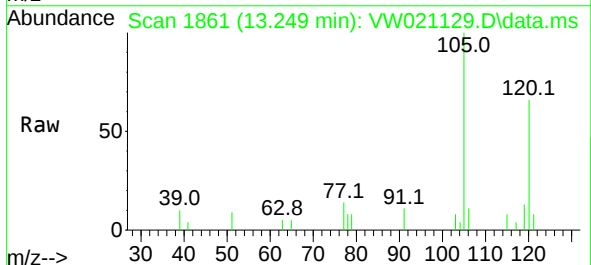
Acq: 04 Dec 2021 19:40

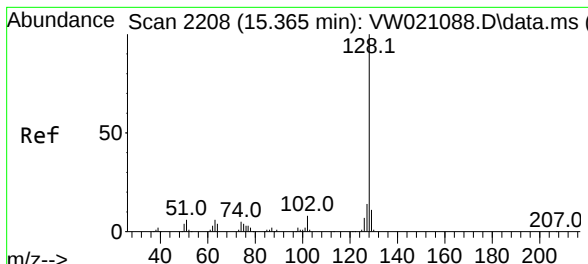
Tgt Ion:105 Resp: 2420

Ion Ratio Lower Upper

105 100

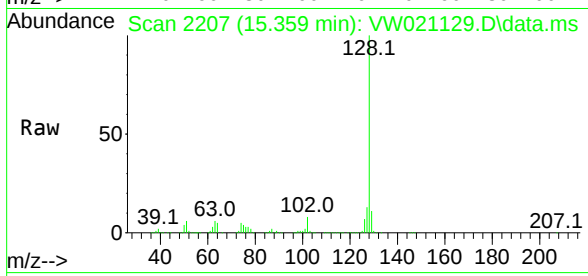
120 51.4 35.0 52.6





#71
 Naphthalene
 Concen: 1060.491 ug/L
 RT: 15.359 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW021129.D
 Acq: 04 Dec 2021 19:40

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:128 Resp: 1125483

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.7	8.6	12.8

