

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021131.D
 Acq On : 04 Dec 2021 20:28
 Operator : SY/VA
 Sample : M4885-20
 Misc : 5.16g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 00:51:28 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	8.848	114	72633	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	43502	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	9817	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	45732	45.191	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 180.760%#	
7) Chloroethane-d5	2.886	69	29084	42.933	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 171.720%#	
11) 1,1-Dichloroethene-d2	4.019	63	46581	28.813	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 115.240%#	
21) 2-Butanone-d5	7.080	46	13992	60.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 121.240%	
24) Chloroform-d	7.653	84	66056	36.315	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 145.240%	
26) 1,2-Dichloroethane-d4	8.305	65	33763	33.928	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 135.720%#	
32) Benzene-d6	8.275	84	121803	54.760	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 219.040%#	
36) 1,2-Dichloropropane-d6	9.275	67	34994	56.613	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 226.440%#	
41) Toluene-d8	10.323	98	96994	42.527	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 170.120%#	
43) trans-1,3-Dichloroprop...	10.579	79	8700	30.997	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 124.000%	
47) 2-Hexanone-d5	10.927	63	9240	78.130	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 156.260%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	19216	33.603	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 134.400%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	10674	30.346	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 121.400%#	
Target Compounds						Qvalue
13) Acetone	4.123	43	1241	5.902	ug/L	89
16) Methylene chloride	4.910	84	5393	4.713	ug/L	75
22) 2-Butanone	7.141	43	1074	3.691	ug/L #	52
27) 1,2-Dichloroethane	8.403	62	1591	1.361	ug/L #	81
34) Trichloroethene	9.092	95	185309	271.522	ug/L	91
35) Methylcyclohexane	9.342	83	1226	1.067	ug/L	86
37) 1,2-Dichloropropane	9.275	63	4531	8.104	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	1033	1.142	ug/L #	75
42) Toluene	10.384	91	5945	2.104	ug/L	96
46) Tetrachloroethene	10.866	164	2615	4.184	ug/L	97
48) 2-Hexanone	10.927	43	1636	5.954	ug/L #	61
49) Dibromochloromethane	10.866	129	2353	4.016	ug/L #	10
53) m,p-Xylene	11.835	106	1382	1.050	ug/L	97
54) o-Xylene	12.164	106	1064	0.858	ug/L	93
61) 1,2,3-Trichloropropane	12.926	75	155	0.943	ug/L #	45
62) 1,3,5-Trimethylbenzene	13.249	105	855	0.748	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	855	0.744	ug/L	99
71) Naphthalene	15.359	128	4369	6.058	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration

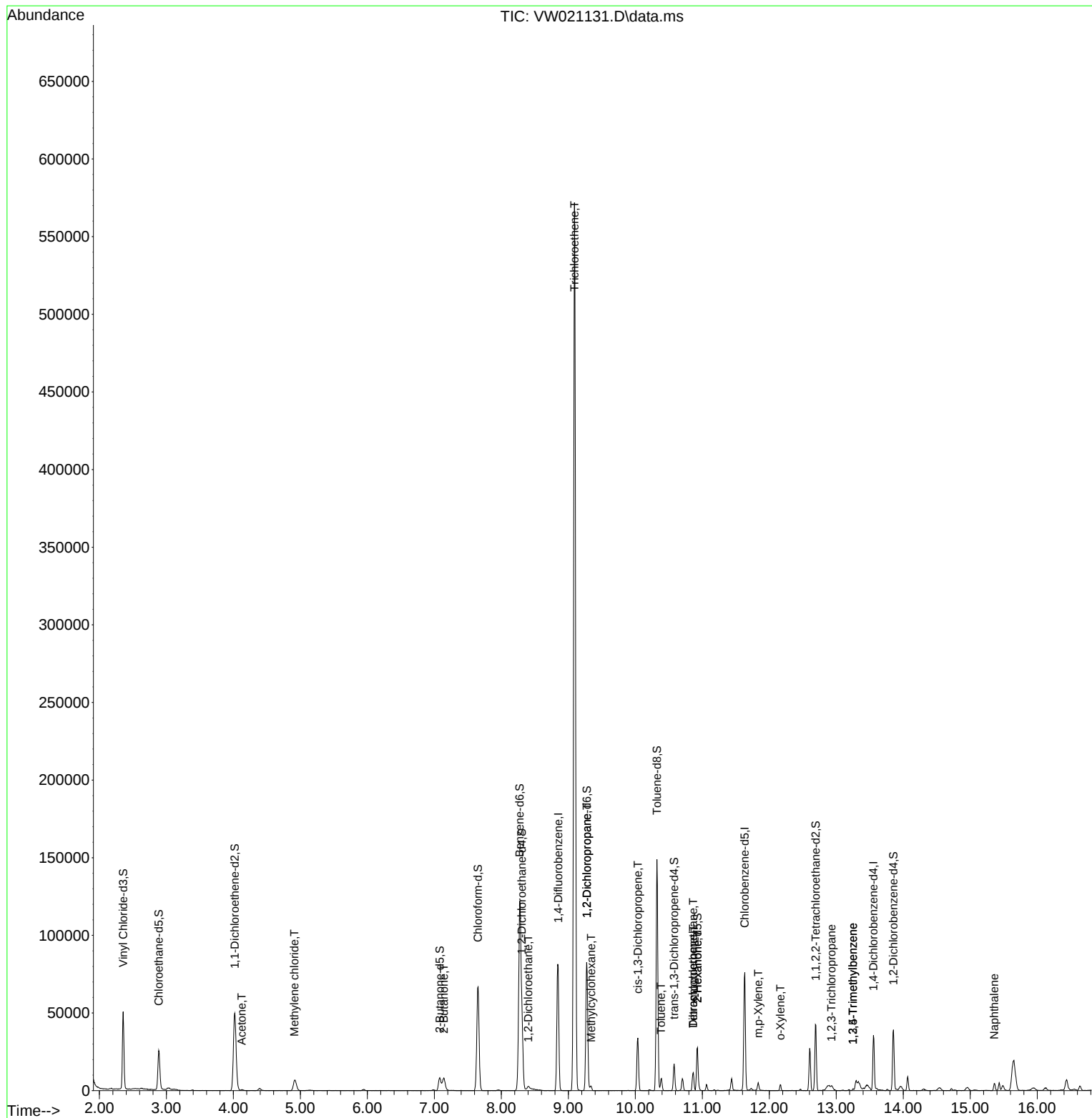
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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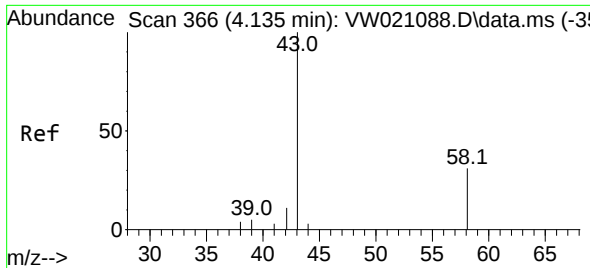
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.902 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Instrument :

MSVOA_W

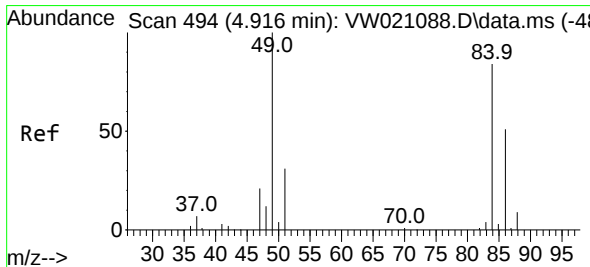
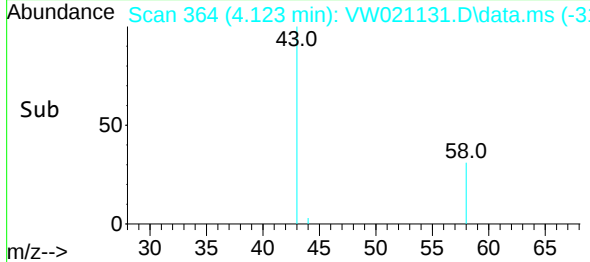
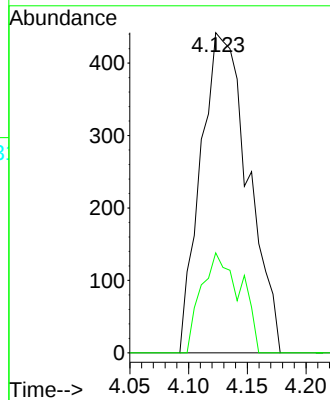
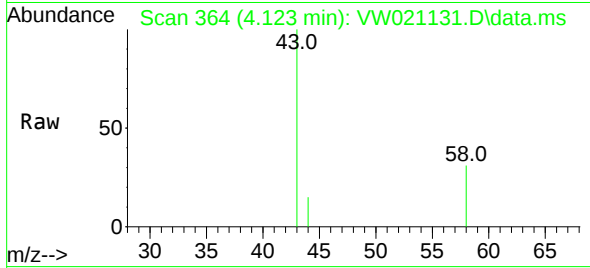
ClientSampleId :

Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

58 20.6 0.0 52.8



#16

Methylene chloride

Concen: 4.713 ug/L

RT: 4.910 min Scan# 493

Delta R.T. -0.006 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

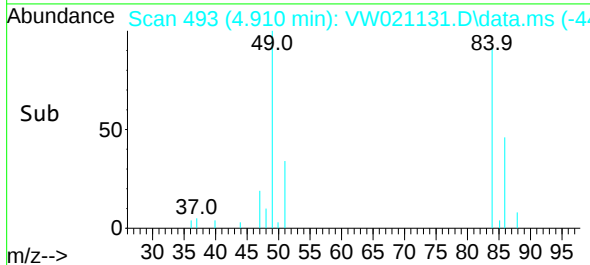
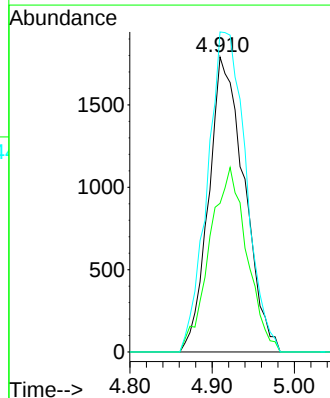
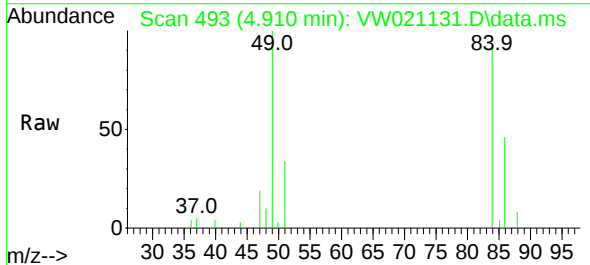
Tgt Ion: 84 Resp: 5393

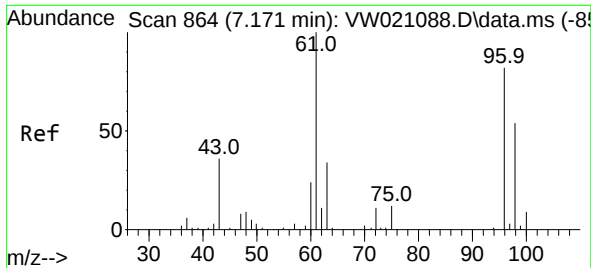
Ion Ratio Lower Upper

84 100

86 50.4 45.5 84.5

49 108.5 100.5 186.7

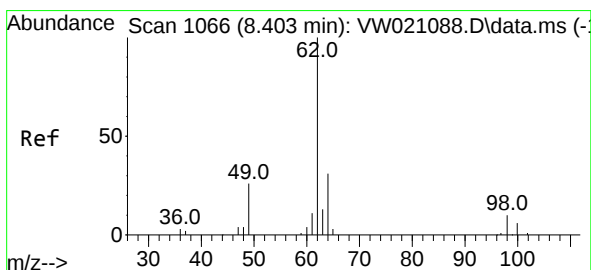
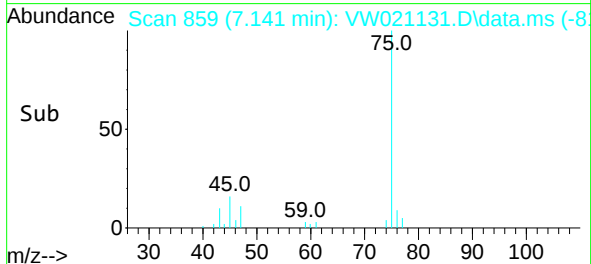
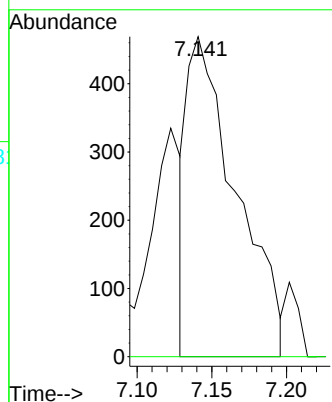
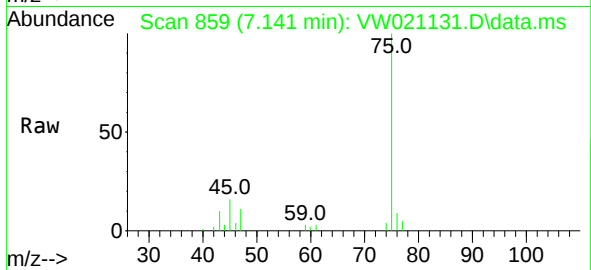




#22
2-Butanone
Concen: 3.691 ug/L
RT: 7.141 min Scan# 81
Delta R.T. -0.030 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

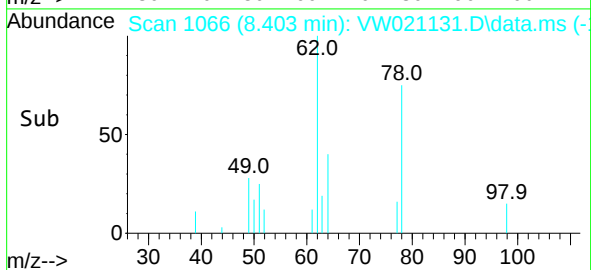
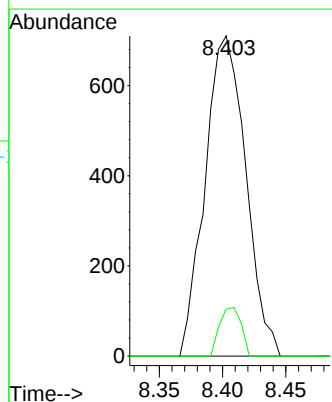
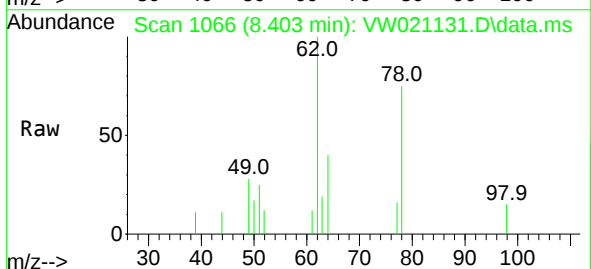
Instrument :
MSVOA_W
ClientSampleId :

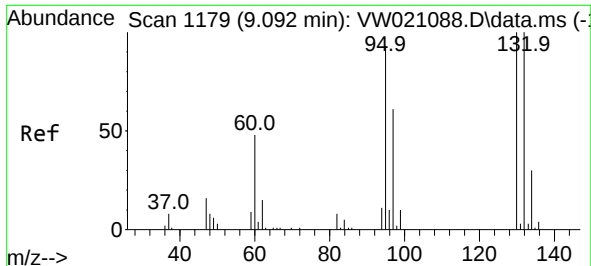
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 1.361 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

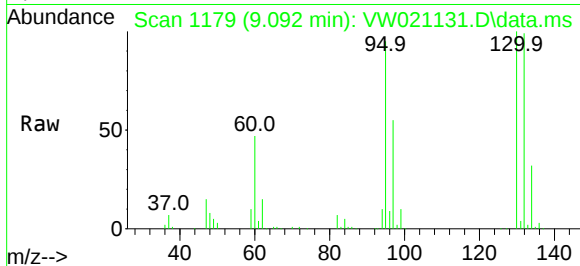
Tgt Ion: 62 Resp: 1591
Ion Ratio Lower Upper
62 100
98 14.6 6.5 9.7#



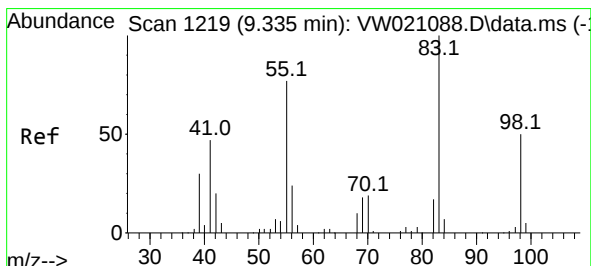
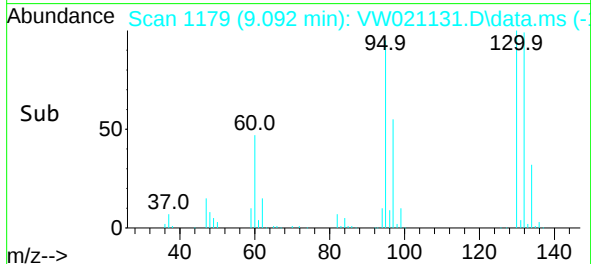
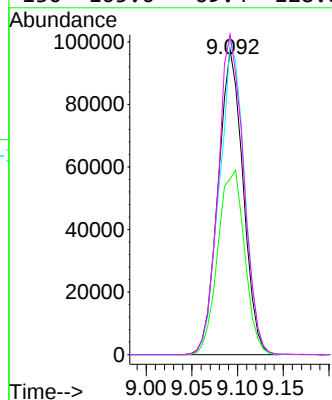


#34
Trichloroethene
Concen: 271.522 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

Instrument :
MSVOA_W
ClientSampleId :

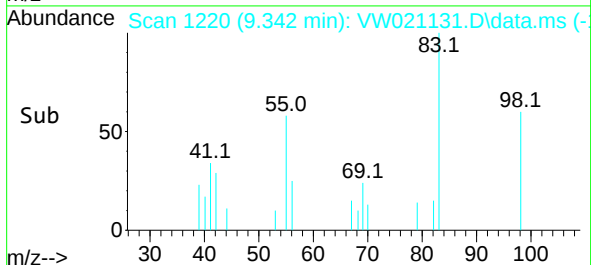
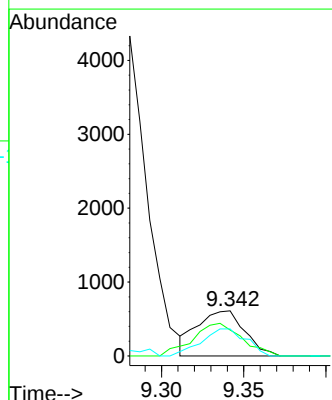
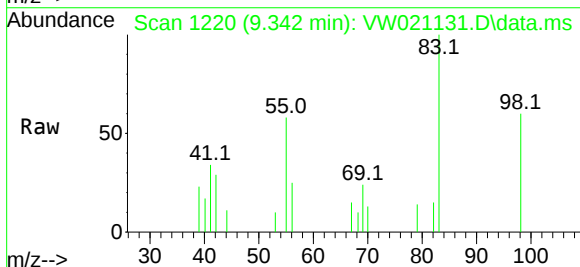


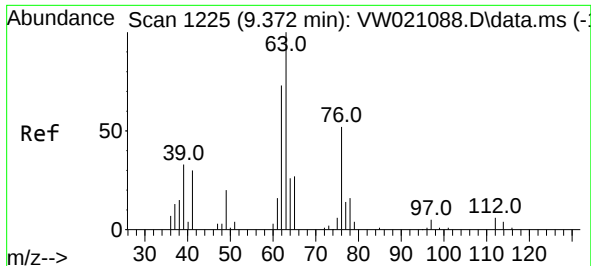
Tgt Ion: 95 Resp: 185309
Ion Ratio Lower Upper
95 100
97 57.7 47.0 87.2
132 103.5 65.5 121.6
130 105.0 69.4 128.8



#35
Methylcyclohexane
Concen: 1.067 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

Tgt Ion: 83 Resp: 1226
Ion Ratio Lower Upper
83 100
55 75.0 70.8 106.2
98 56.1 37.7 56.5





#37

1,2-Dichloropropane

Concen: 8.104 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Instrument :

MSVOA_W

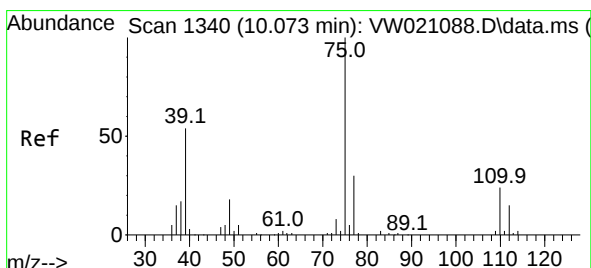
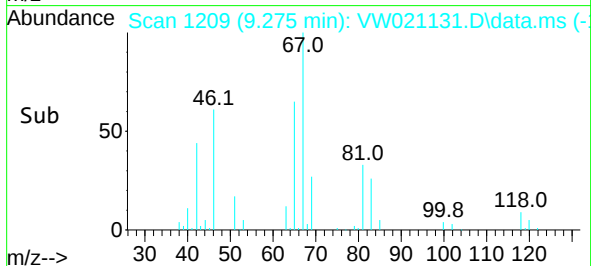
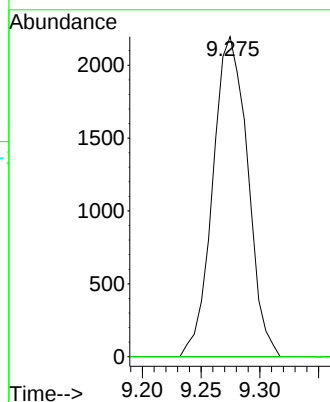
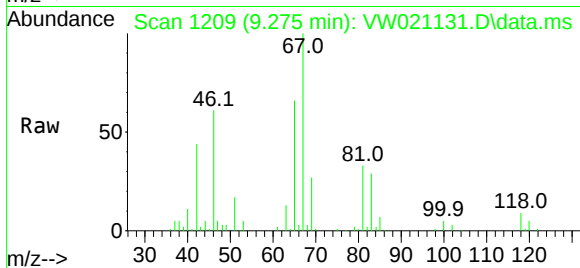
ClientSampleId :

Tgt Ion: 63 Resp: 4531

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.142 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021131.D

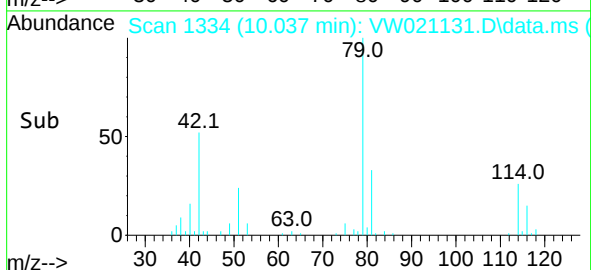
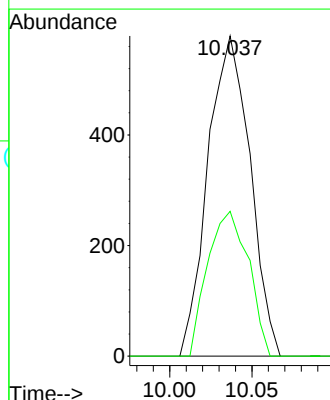
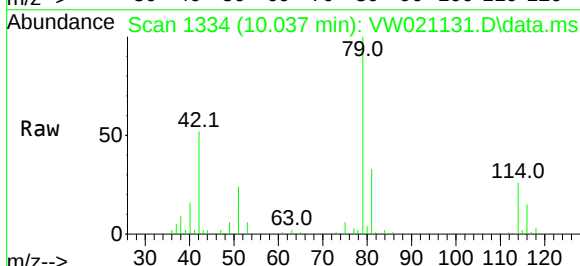
Acq: 04 Dec 2021 20:28

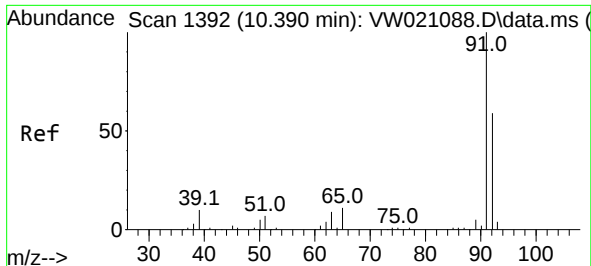
Tgt Ion: 75 Resp: 1033

Ion Ratio Lower Upper

75 100

77 45.3 21.8 40.6#

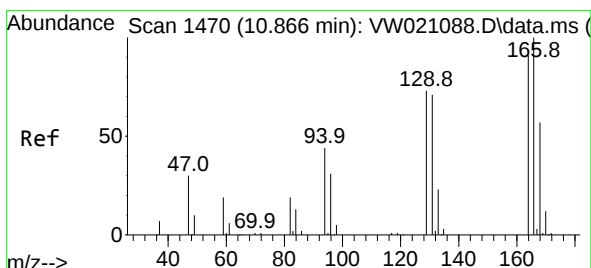
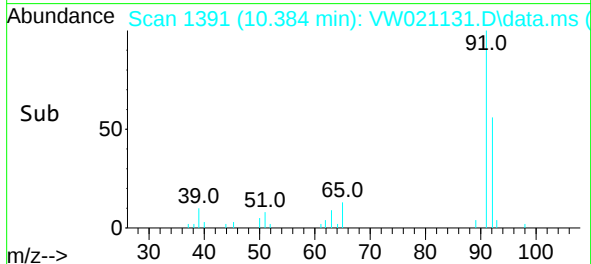
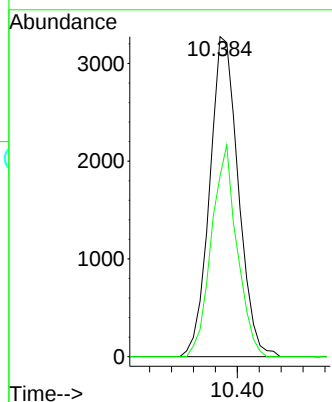
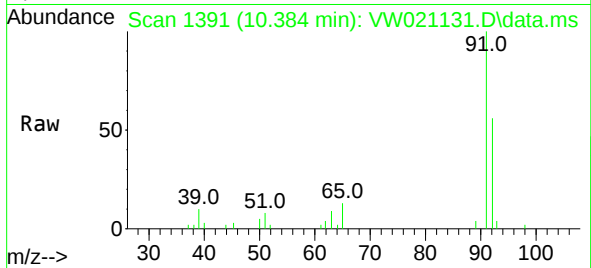




#42
Toluene
Concen: 2.104 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

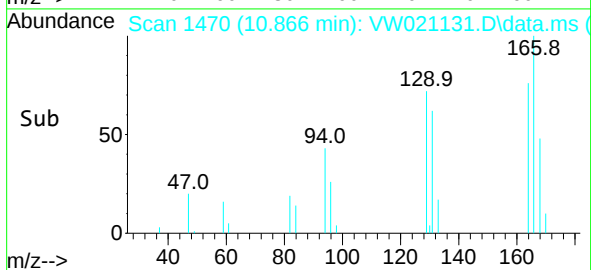
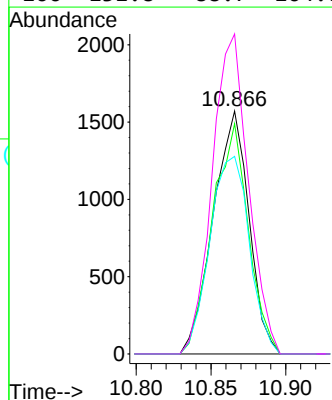
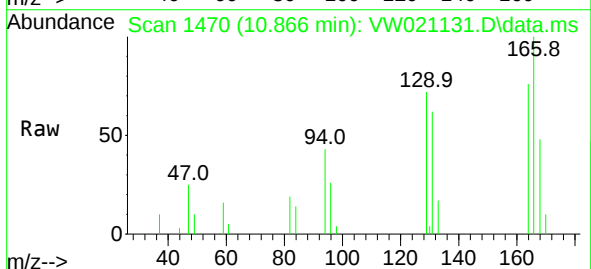
Instrument :
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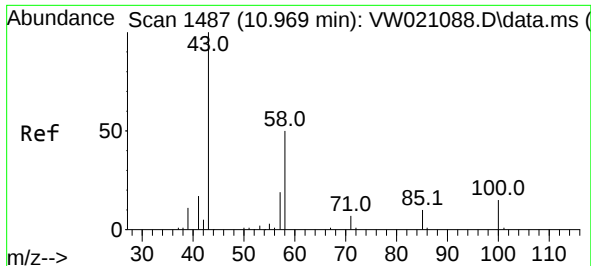
Tgt Ion: 91 Resp: 5945
Ion Ratio Lower Upper
91 100
92 56.5 41.7 77.5



#46
Tetrachloroethene
Concen: 4.184 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

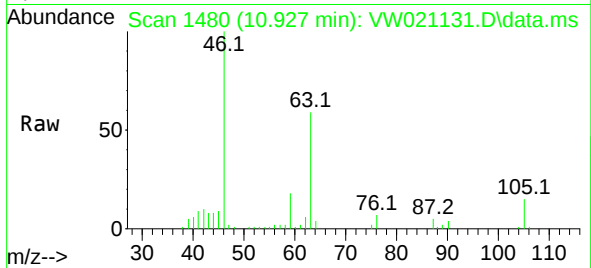
Tgt Ion: 164 Resp: 2615
Ion Ratio Lower Upper
164 100
129 94.8 65.5 121.7
131 81.3 59.7 110.9
166 131.8 88.7 164.7



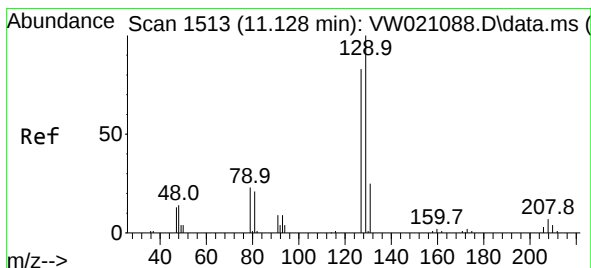
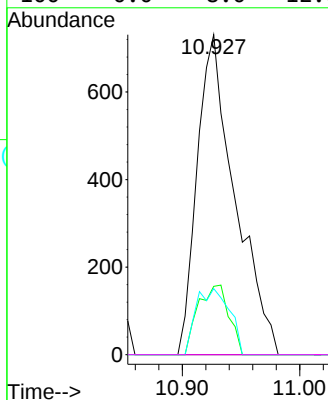
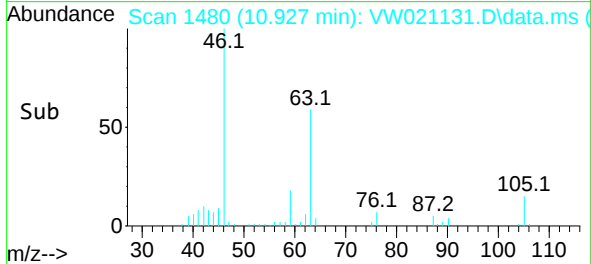


#48
2-Hexanone
Concen: 5.954 ug/L
RT: 10.927 min Scan# 1487
Delta R.T. -0.043 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

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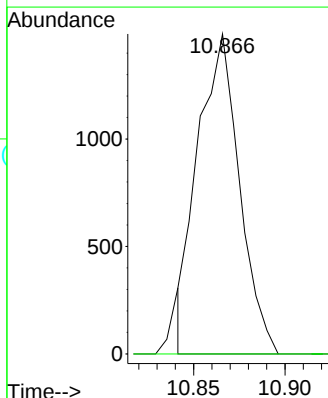
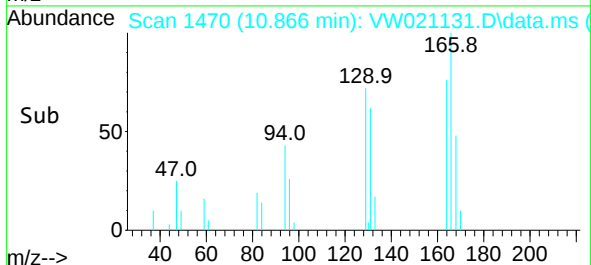
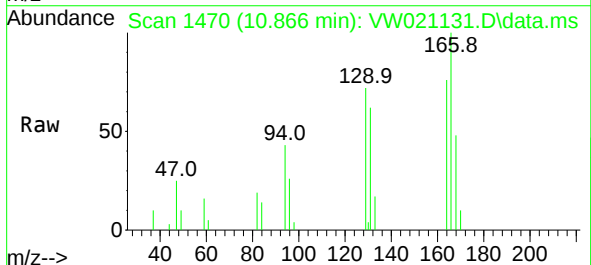


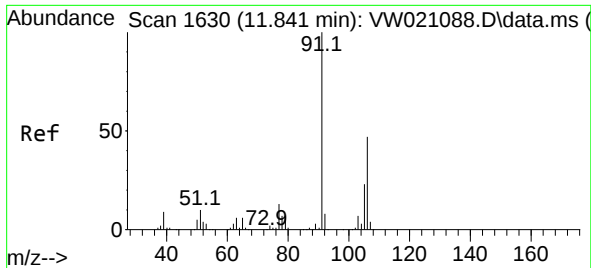
Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
58 17.7 40.2 60.2#
57 7.6 14.3 21.5#
100 0.0 8.0 12.0#



#49
Dibromochloromethane
Concen: 4.016 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

Tgt Ion: 129 Resp: 2353
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

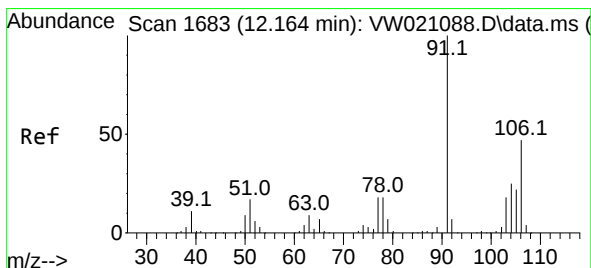
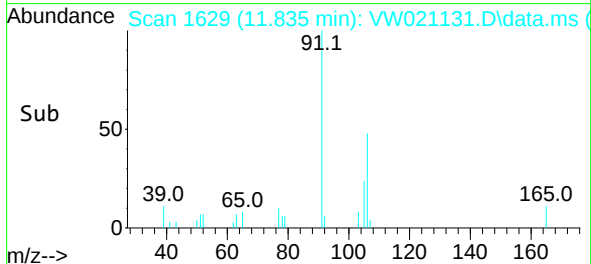
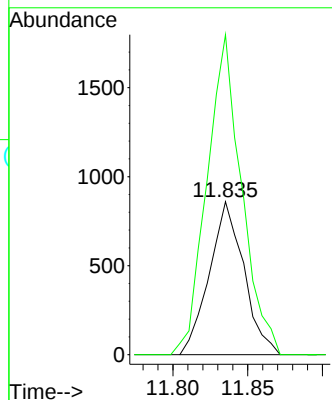
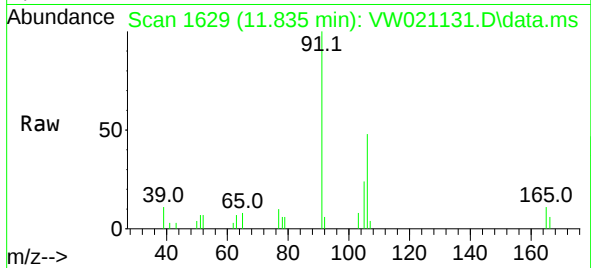




#53
m,p-Xylene
Concen: 1.050 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

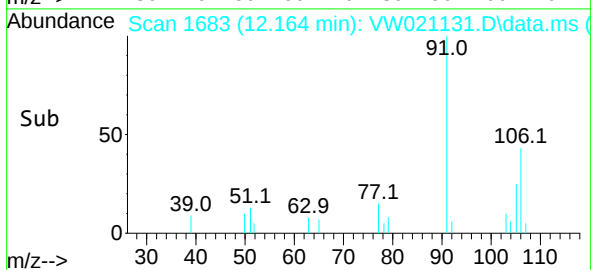
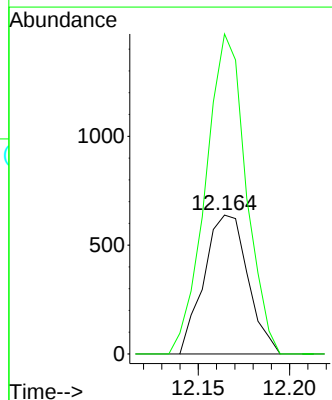
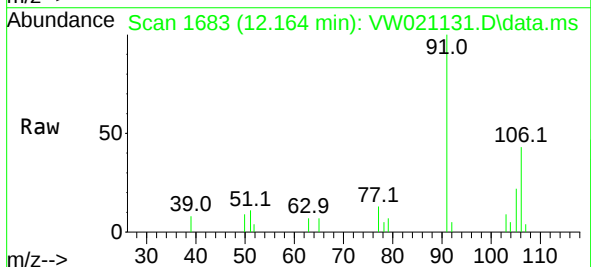
Instrument :
MSVOA_W
ClientSampleId :

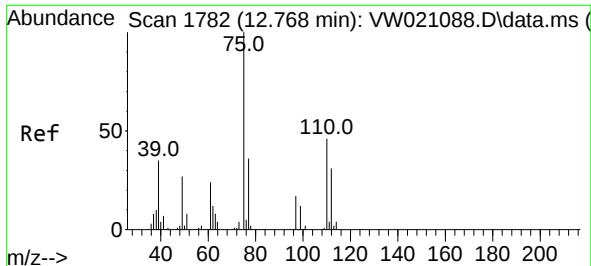
Tgt Ion:106 Resp: 1382
Ion Ratio Lower Upper
106 100
91 209.3 149.9 278.3



#54
o-Xylene
Concen: 0.858 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

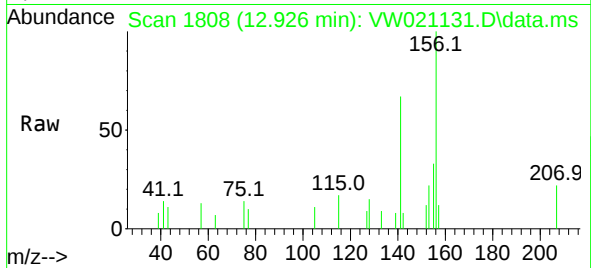
Tgt Ion:106 Resp: 1064
Ion Ratio Lower Upper
106 100
91 230.4 153.6 285.3



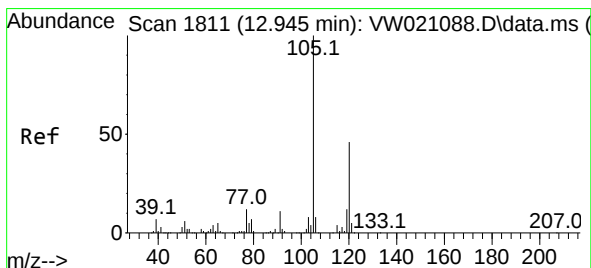
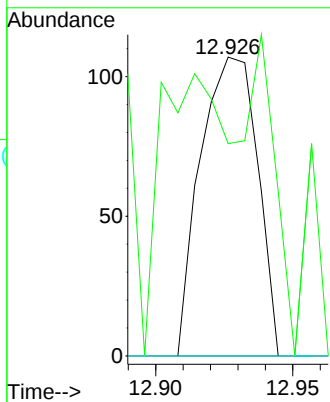
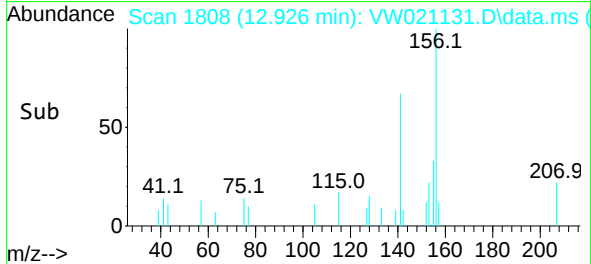


#61
1,2,3-Trichloropropane
Concen: 0.943 ug/L
RT: 12.926 min Scan# 11
Delta R.T. 0.159 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28

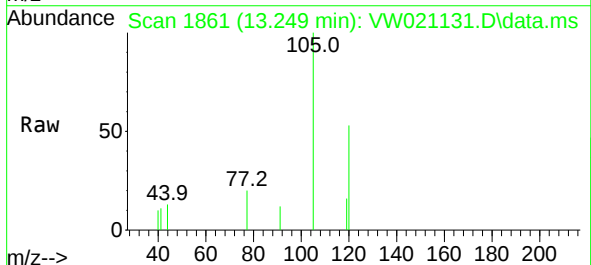
Instrument :
MSVOA_W
ClientSampleId :



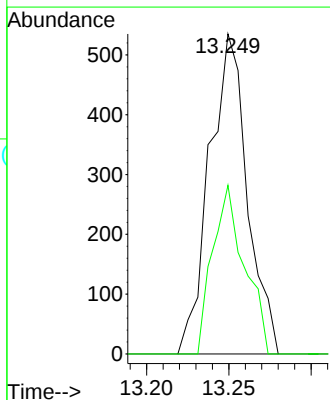
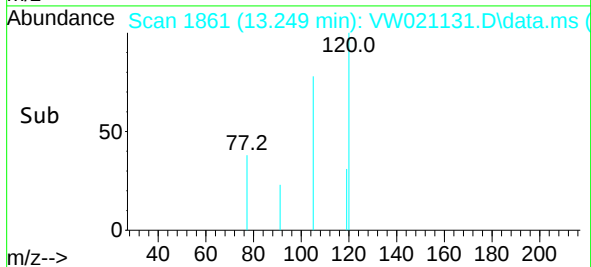
Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
77 59.4 25.8 38.8#
110 0.0 29.0 43.4#

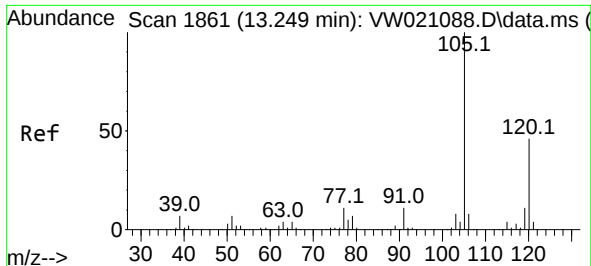


#62
1,3,5-Trimethylbenzene
Concen: 0.748 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.305 min
Lab File: VW021131.D
Acq: 04 Dec 2021 20:28



Tgt Ion: 105 Resp: 855
Ion Ratio Lower Upper
105 100
120 44.6 37.4 56.2





#63

1,2,4-Trimethylbenzene

Concen: 0.744 ug/L

RT: 13.249 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Instrument :

MSVOA_W

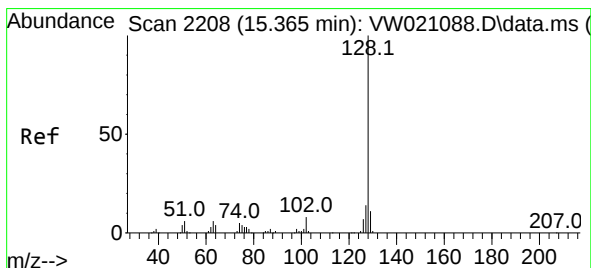
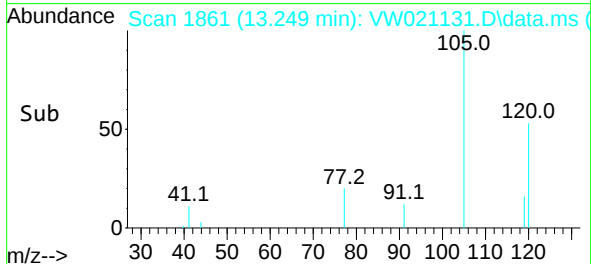
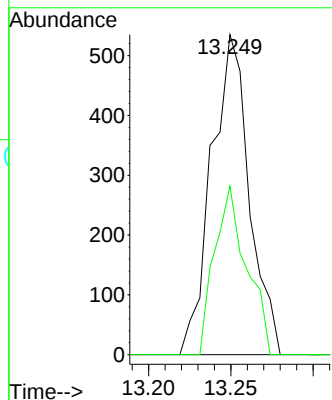
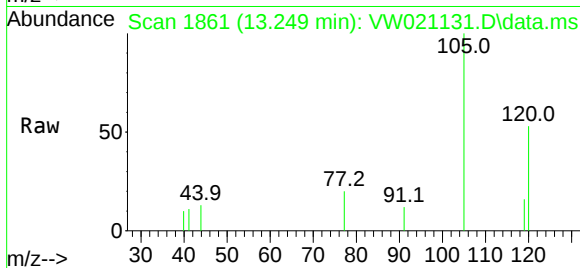
ClientSampleId :

Tgt Ion:105 Resp: 855

Ion Ratio Lower Upper

105 100

120 44.6 35.0 52.6



#71

Naphthalene

Concen: 6.058 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VW021131.D

Acq: 04 Dec 2021 20:28

Tgt Ion:128 Resp: 4369

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

129 10.4 8.6 12.8

