

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
 Data File : VW021141.D
 Acq On : 05 Dec 2021 01:50
 Operator : SY/VA
 Sample : M4883-17RE
 Misc : 2.92g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 04:29:29 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	48716	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	24173	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	3515	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	35701	52.599	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 210.400%#	
7) Chloroethane-d5	2.885	69	24211	53.285	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 213.160%#	
11) 1,1-Dichloroethene-d2	4.019	63	39559	36.483	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 145.920%#	
21) 2-Butanone-d5	7.086	46	15425	99.633	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 199.260%#	
24) Chloroform-d	7.653	84	65368	53.579	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 214.320%#	
26) 1,2-Dichloroethane-d4	8.305	65	32860	49.232	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 196.920%#	
32) Benzene-d6	8.275	84	96311	77.922	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 311.680%#	
36) 1,2-Dichloropropane-d6	9.275	67	35873	104.440	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 417.760%#	
41) Toluene-d8	10.323	98	68815	54.298	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 217.200%#	
43) trans-1,3-Dichloroprop...	10.579	79	6072	38.932	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 155.720%#	
47) 2-Hexanone-d5	10.927	63	9571	145.641	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 291.280%#	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	23971	75.436	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 301.760%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	4894	38.859	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 155.440%#	
Target Compounds						
					Qvalue	
13) Acetone	4.141	43	1735	12.303	ug/L	75
16) Methylene chloride	4.922	84	5407	7.045	ug/L	82
22) 2-Butanone	7.153	43	1112	5.698	ug/L	# 59
27) 1,2-Dichloroethane	8.403	62	2130	2.717	ug/L	99
31) Carbon tetrachloride	8.263	117	313	0.598	ug/L	# 2
34) Trichloroethene	9.098	95	425	1.121	ug/L	84
37) 1,2-Dichloropropane	9.275	63	4662	15.005	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	837	1.666	ug/L	# 61
40) 4-Methyl-2-pentanone	10.207	43	739	3.492	ug/L	# 77
42) Toluene	10.384	91	7351	4.682	ug/L	100
46) Tetrachloroethene	10.860	164	1193	3.435	ug/L	88
49) Dibromochloromethane	10.860	129	991	3.044	ug/L	# 10
52) Ethylbenzene	11.725	91	879	0.497	ug/L	91
53) m,p-Xylene	11.841	106	1643	2.247	ug/L	77
54) o-Xylene	12.164	106	798	1.158	ug/L	82
61) 1,2,3-Trichloropropane	12.926	75	303	5.146	ug/L	# 40
62) 1,3,5-Trimethylbenzene	12.939	105	225	0.550	ug/L	# 60
63) 1,2,4-Trimethylbenzene	13.243	105	526	1.278	ug/L	# 75
71) Naphthalene	15.359	128	1607	6.223	ug/L	# 90

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

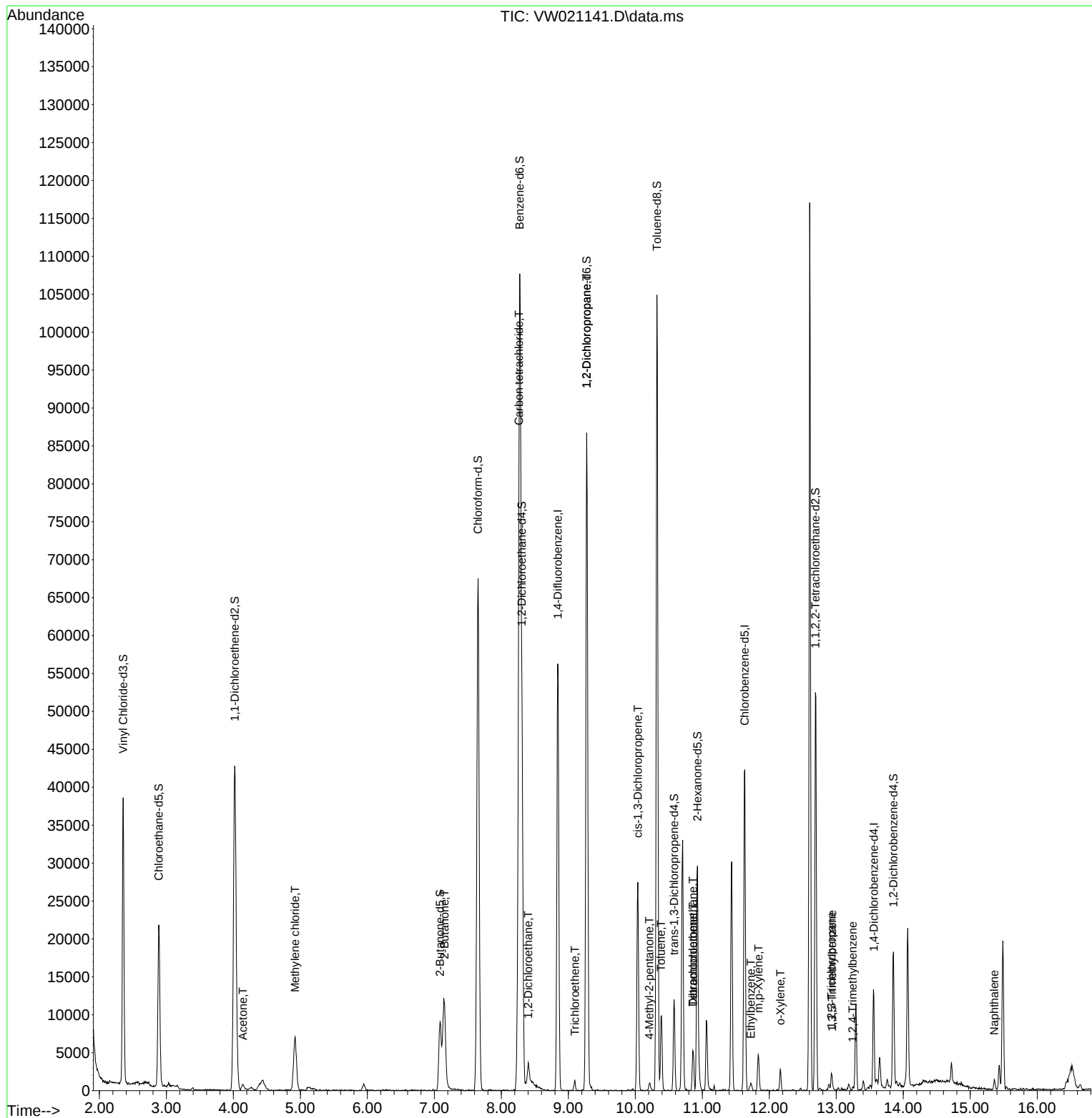
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

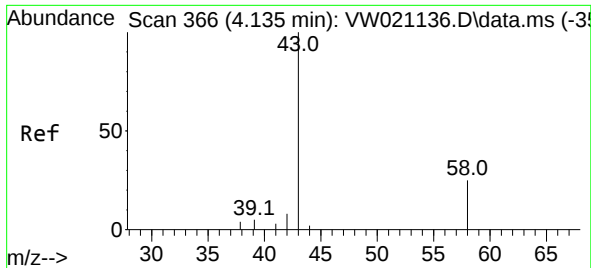
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 12.303 ug/L

RT: 4.141 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Instrument :

MSVOA_W

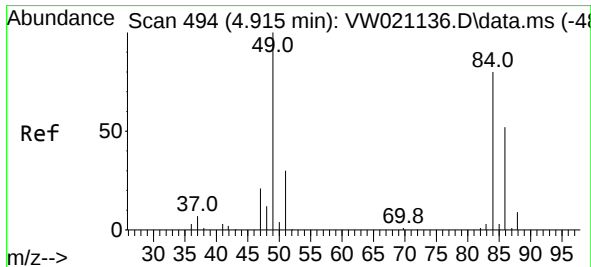
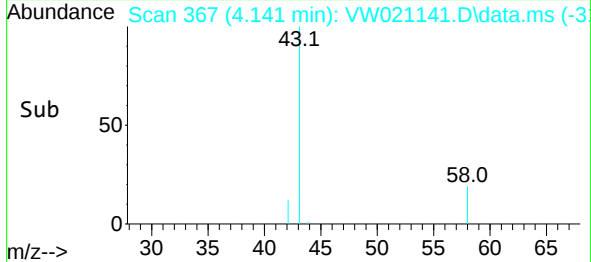
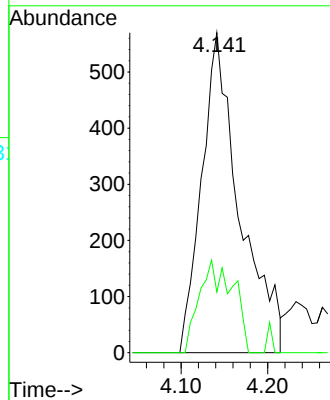
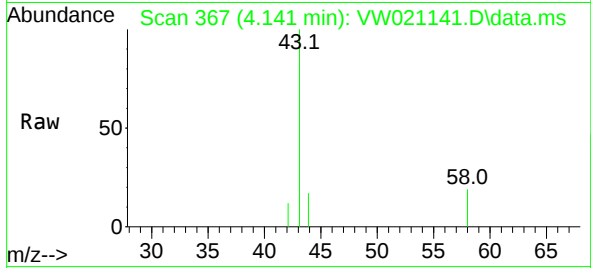
ClientSampleId :

Tgt Ion: 43 Resp: 1735

Ion Ratio Lower Upper

43 100

58 13.7 0.0 52.8



#16

Methylene chloride

Concen: 7.045 ug/L

RT: 4.922 min Scan# 495

Delta R.T. 0.006 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

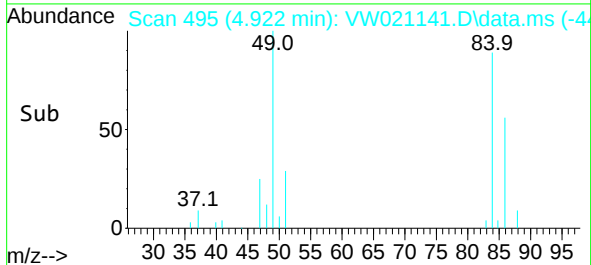
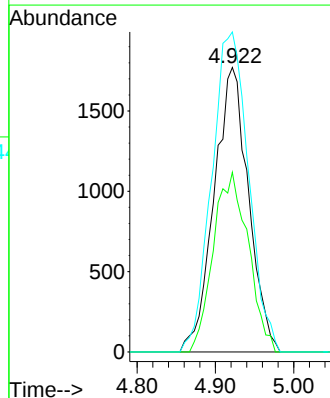
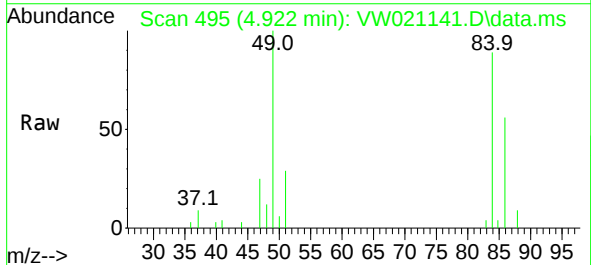
Tgt Ion: 84 Resp: 5407

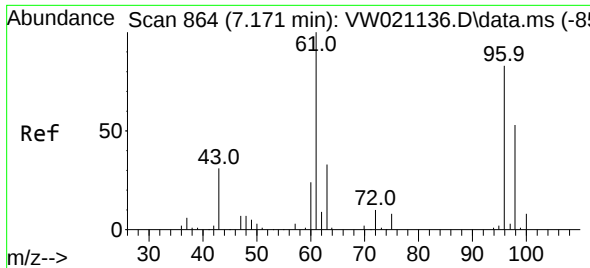
Ion Ratio Lower Upper

84 100

86 63.1 45.5 84.5

49 112.5 100.5 186.7

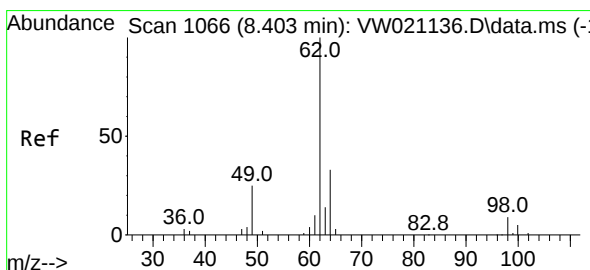
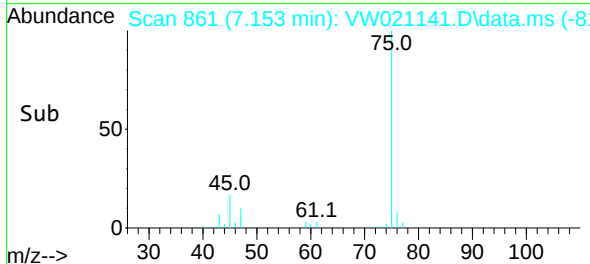
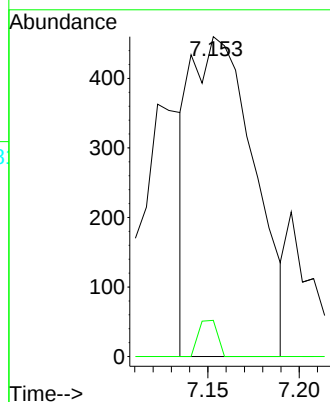
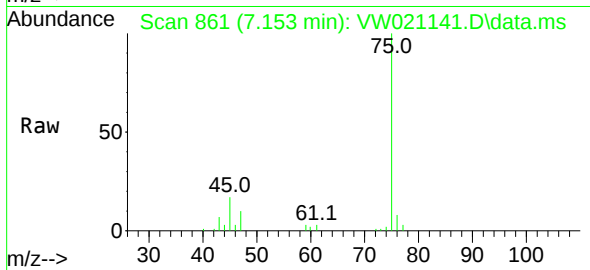




#22
2-Butanone
Concen: 5.698 ug/L
RT: 7.153 min Scan# 861
Delta R.T. -0.018 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

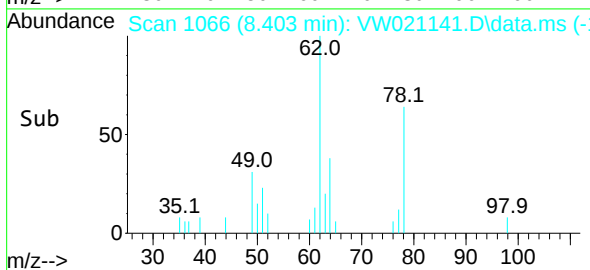
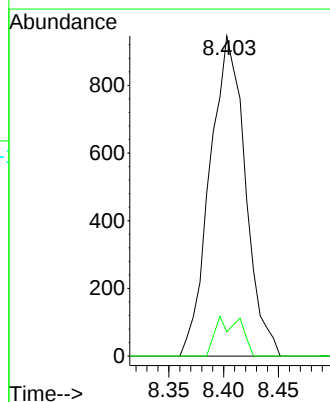
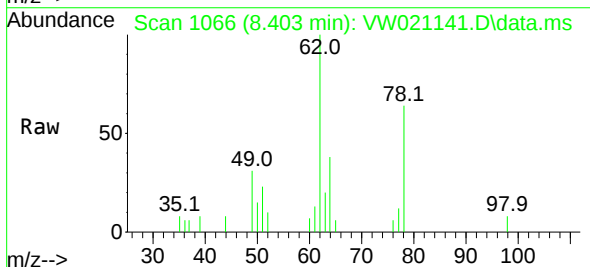
Instrument :
MSVOA_W
ClientSampleId :

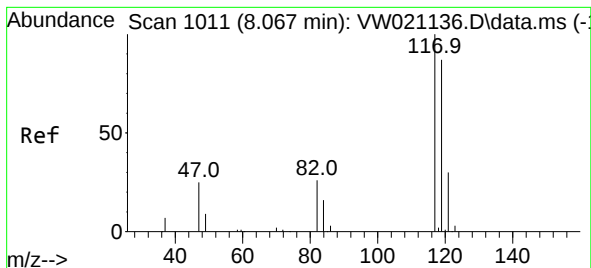
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
72 3.4 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 2.717 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

Tgt Ion: 62 Resp: 2130
Ion Ratio Lower Upper
62 100
98 7.6 6.5 9.7





#31

Carbon tetrachloride

Concen: 0.598 ug/L

RT: 8.263 min Scan# 117

Delta R.T. 0.189 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Instrument :

MSVOA_W

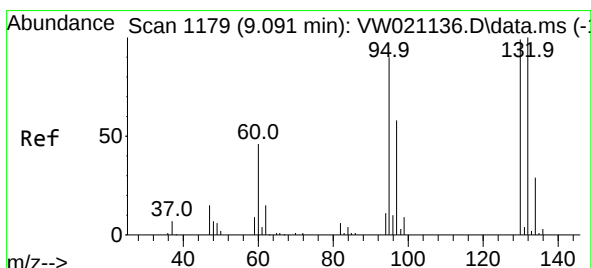
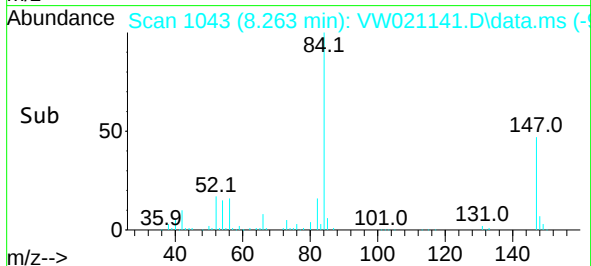
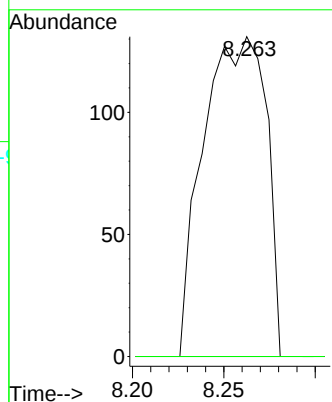
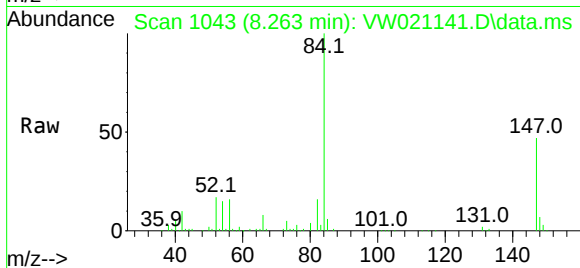
ClientSampleId :

Tgt Ion:117 Resp: 313

Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#



#34

Trichloroethene

Concen: 1.121 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Tgt Ion: 95 Resp: 425

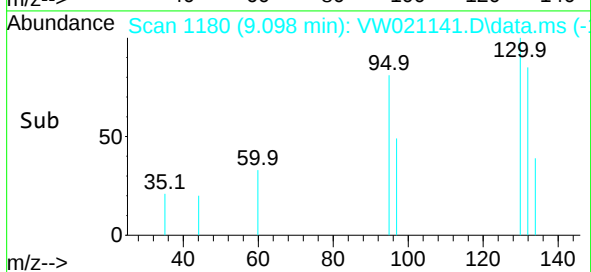
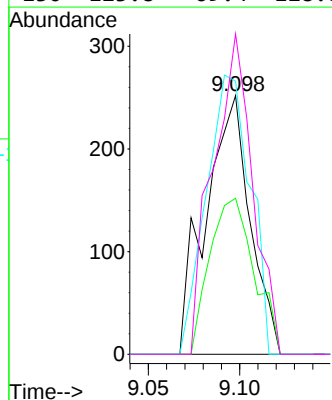
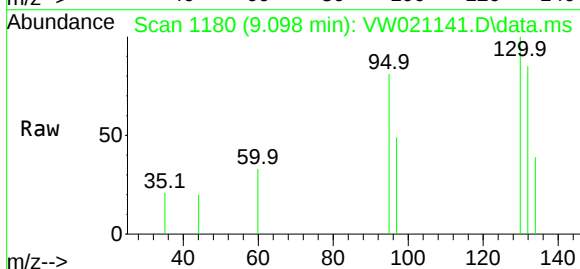
Ion Ratio Lower Upper

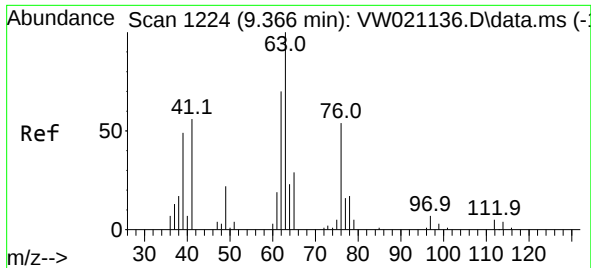
95 100

97 60.3 47.0 87.2

132 105.6 65.5 121.6

130 123.8 69.4 128.8





#37

1,2-Dichloropropane

Concen: 15.005 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Instrument :

MSVOA_W

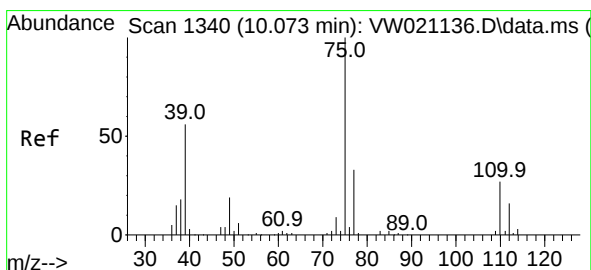
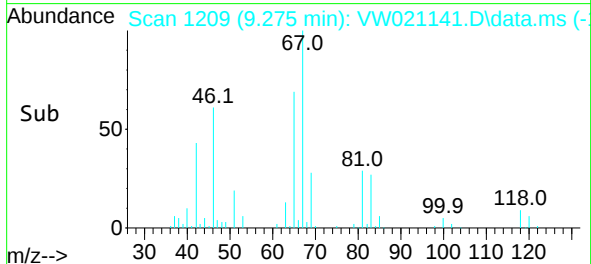
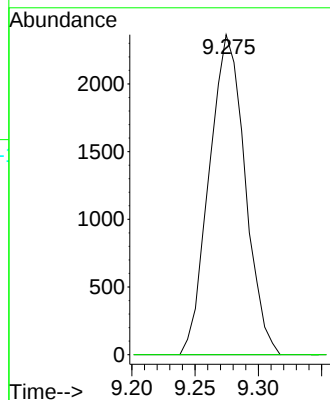
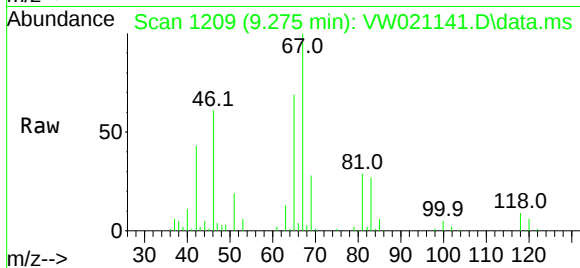
ClientSampleId :

Tgt Ion: 63 Resp: 4662

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.666 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021141.D

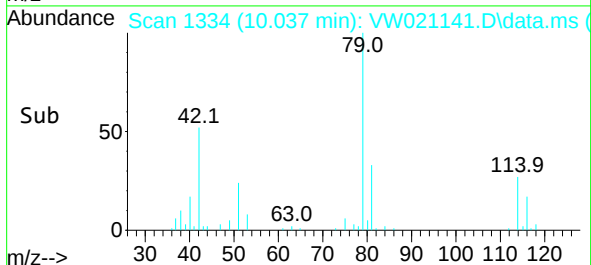
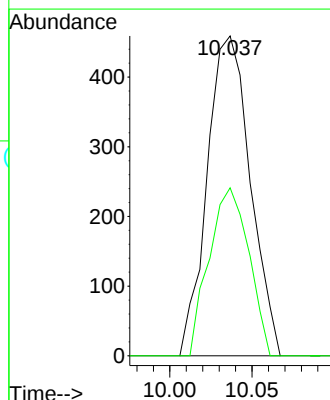
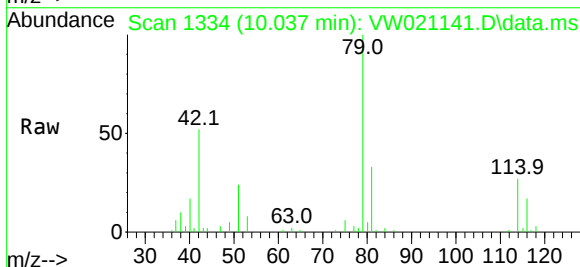
Acq: 05 Dec 2021 01:50

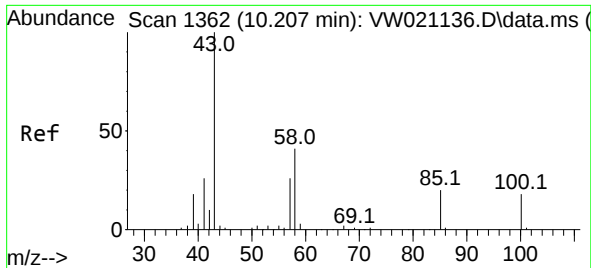
Tgt Ion: 75 Resp: 837

Ion Ratio Lower Upper

75 100

77 52.5 21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 3.492 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Instrument :

MSVOA_W

ClientSampleId :

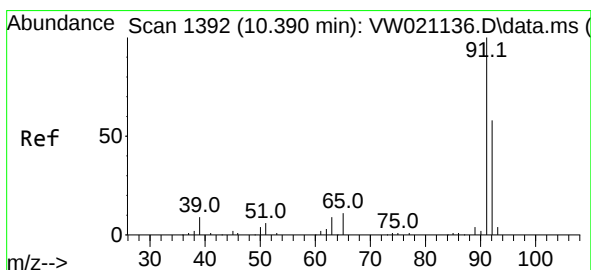
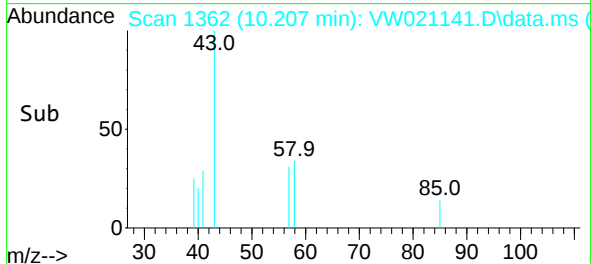
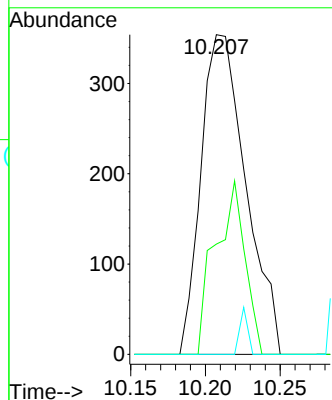
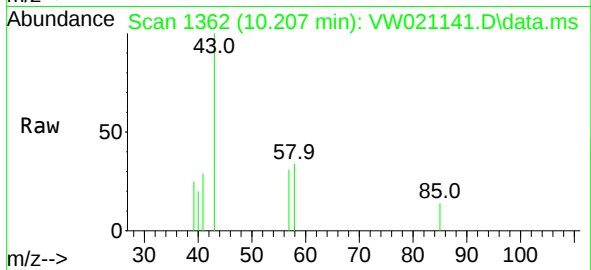
Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

58 24.2 28.8 43.2#

100 0.0 10.0 15.0#



#42

Toluene

Concen: 4.682 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VW021141.D

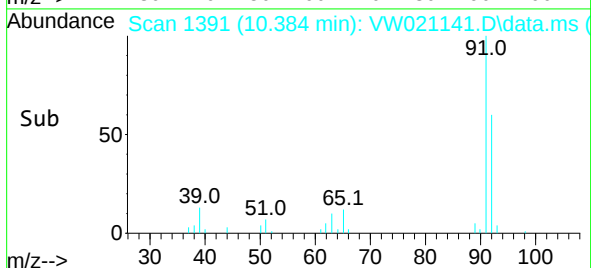
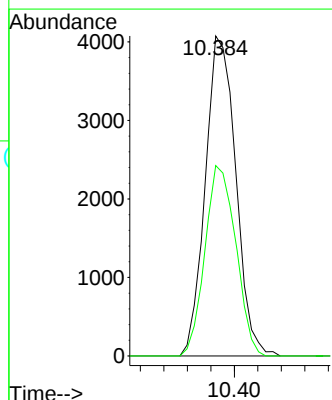
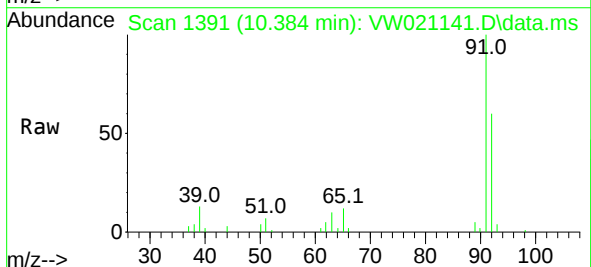
Acq: 05 Dec 2021 01:50

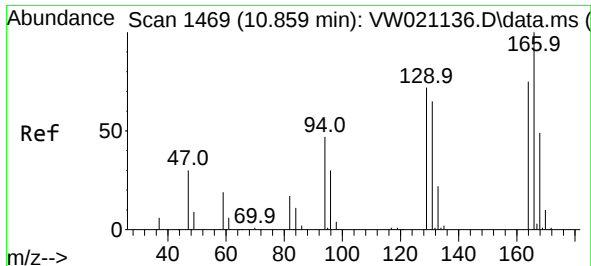
Tgt Ion: 91 Resp: 7351

Ion Ratio Lower Upper

91 100

92 59.5 41.7 77.5





#46

Tetrachloroethene

Concen: 3.435 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.006 min

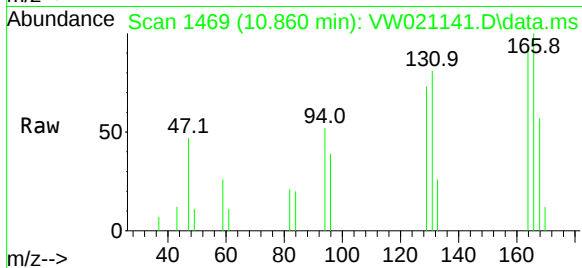
Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 1193

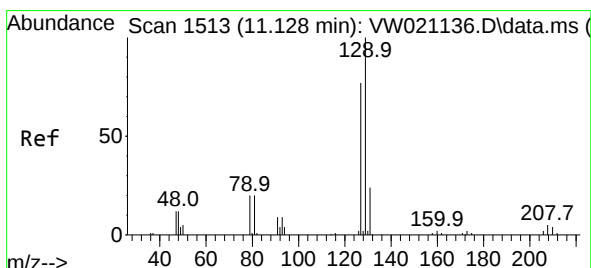
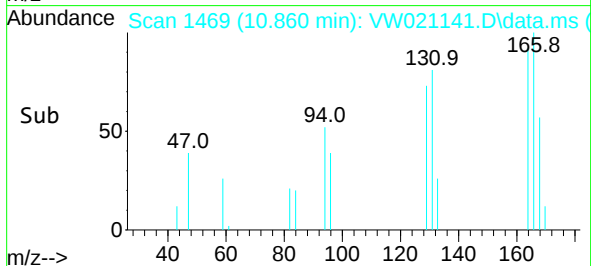
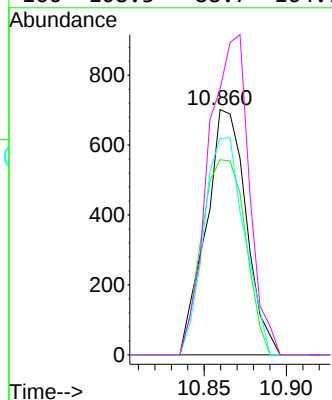
Ion Ratio Lower Upper

164 100

129 79.5 65.5 121.7

131 88.2 59.7 110.9

166 108.3 88.7 164.7



#49

Dibromochloromethane

Concen: 3.044 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW021141.D

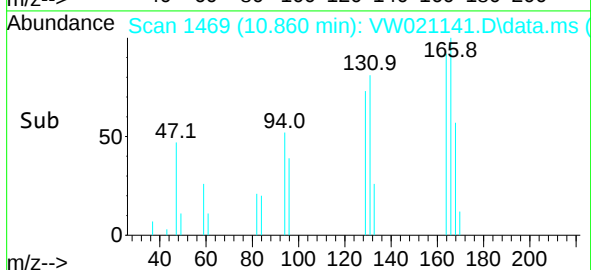
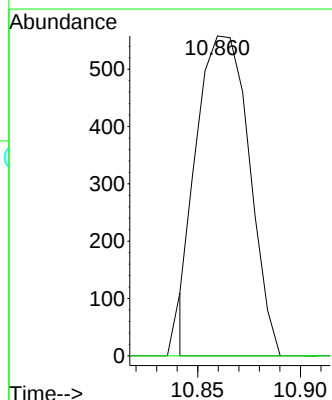
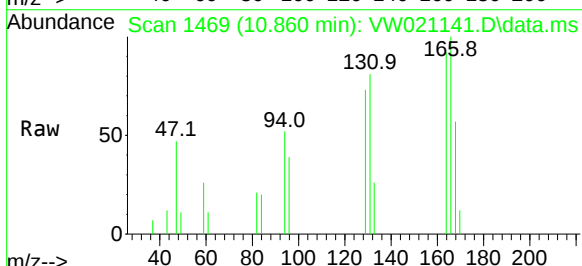
Acq: 05 Dec 2021 01:50

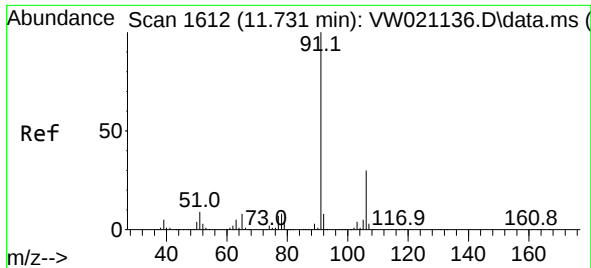
Tgt Ion:129 Resp: 991

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

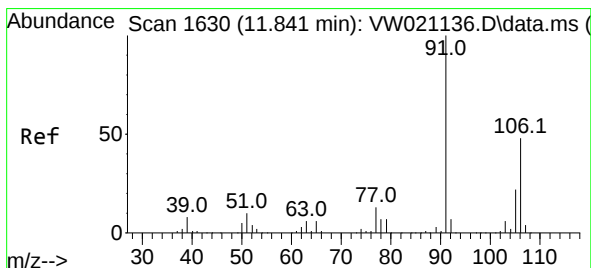
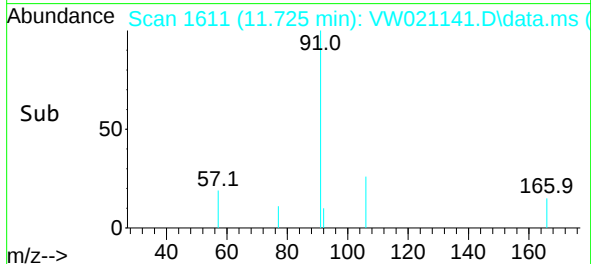
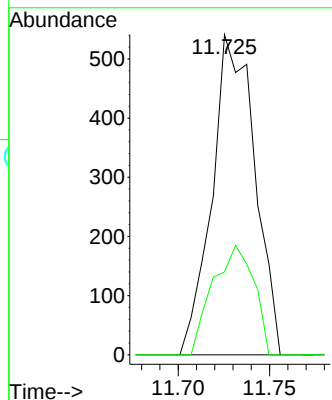
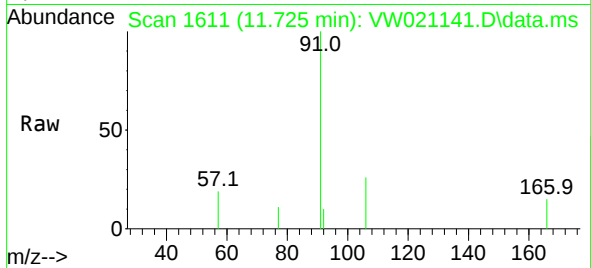




#52
Ethylbenzene
Concen: 0.497 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

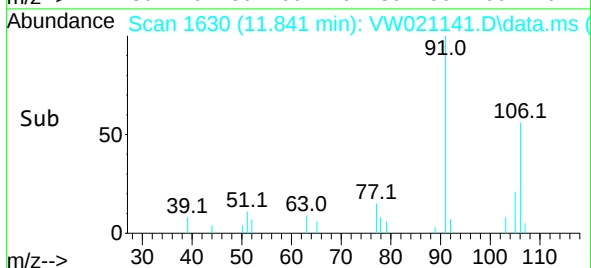
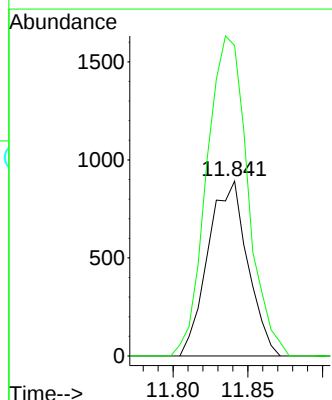
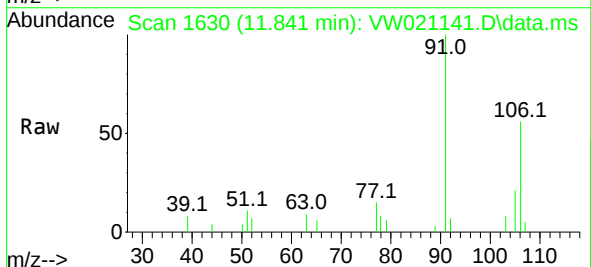
Instrument :
MSVOA_W
ClientSampleId :

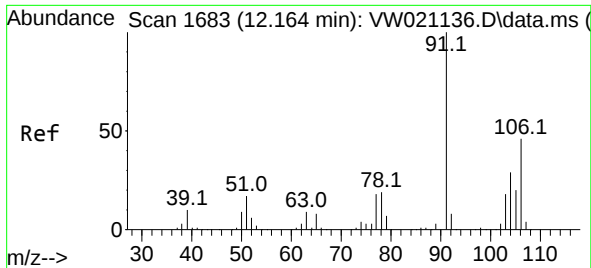
Tgt Ion: 91 Resp: 879
Ion Ratio Lower Upper
91 100
106 25.9 21.5 39.9



#53
m,p-Xylene
Concen: 2.247 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

Tgt Ion: 106 Resp: 1643
Ion Ratio Lower Upper
106 100
91 177.5 149.9 278.3

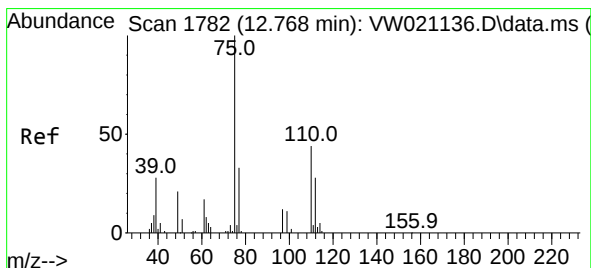
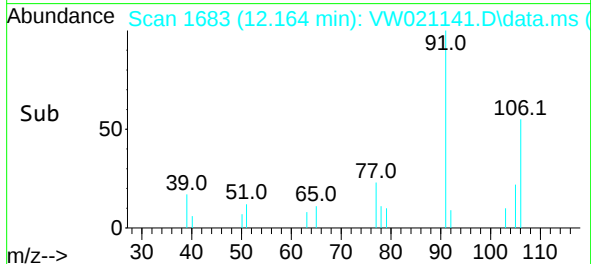
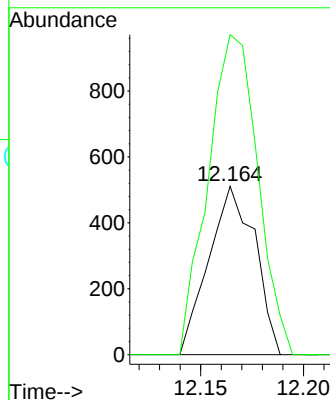
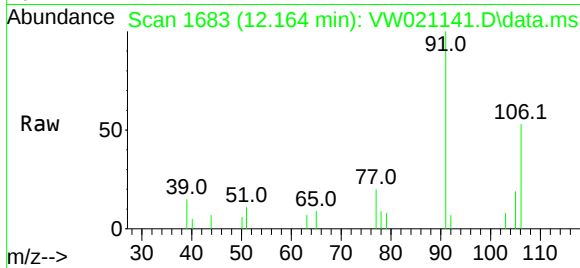




#54
o-Xylene
Concen: 1.158 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

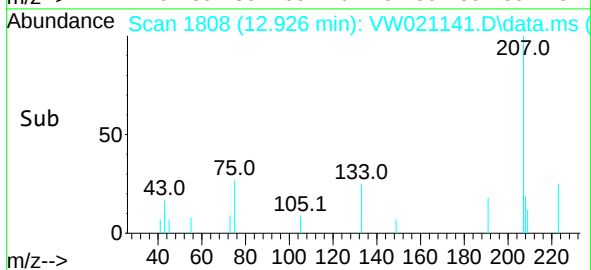
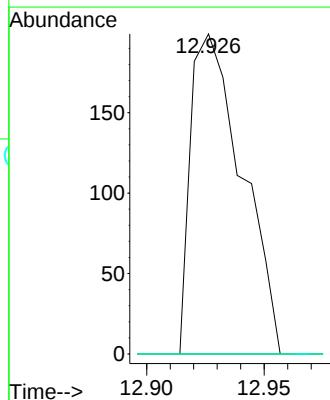
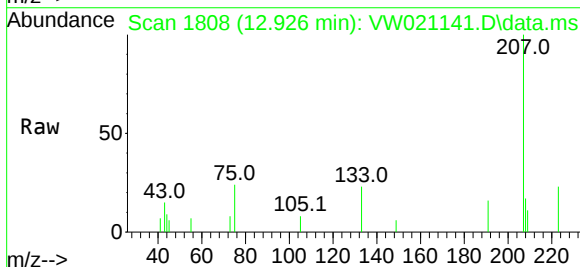
Instrument :
MSVOA_W
ClientSampleId :

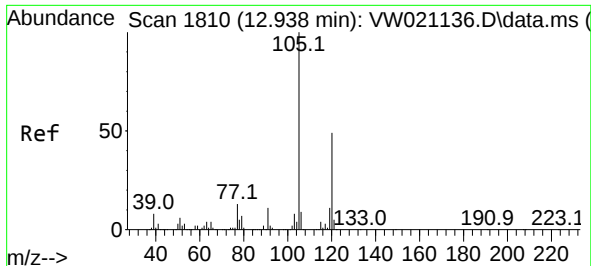
Tgt Ion:106 Resp: 798
Ion Ratio Lower Upper
106 100
91 190.0 153.6 285.3



#61
1,2,3-Trichloropropane
Concen: 5.146 ug/L
RT: 12.926 min Scan# 1808
Delta R.T. 0.159 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

Tgt Ion: 75 Resp: 303
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: 0.550 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021141.D

Acq: 05 Dec 2021 01:50

Instrument :

MSVOA_W

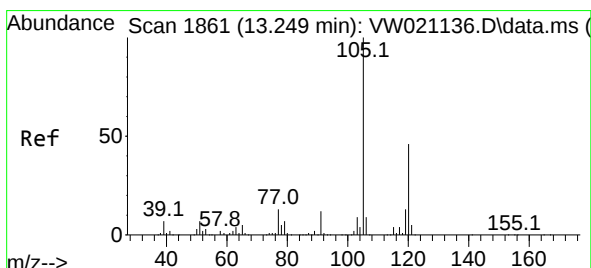
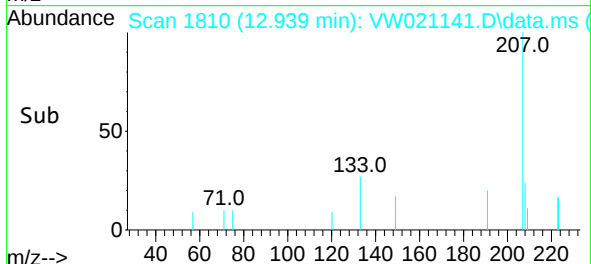
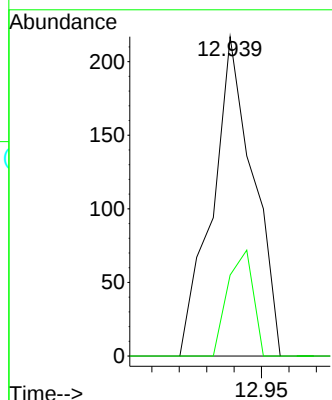
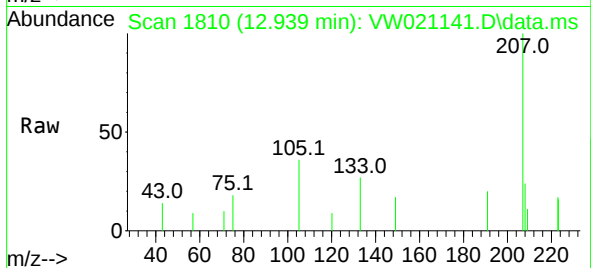
ClientSampleId :

Tgt Ion:105 Resp: 225

Ion Ratio Lower Upper

105 100

120 20.4 37.4 56.2#



#63

1,2,4-Trimethylbenzene

Concen: 1.278 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW021141.D

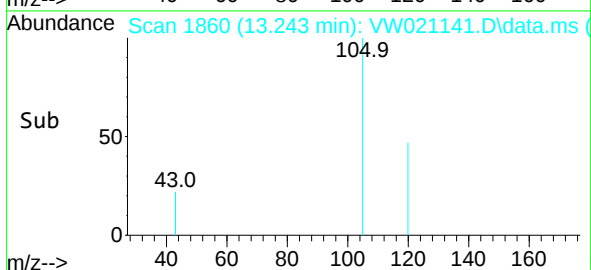
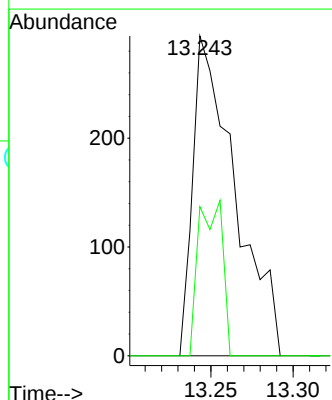
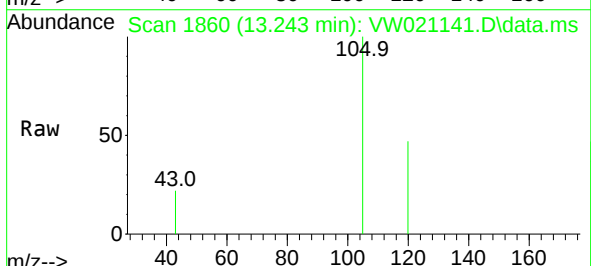
Acq: 05 Dec 2021 01:50

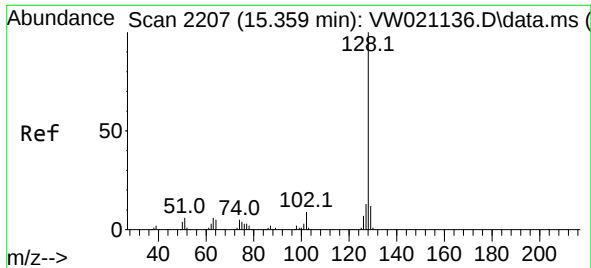
Tgt Ion:105 Resp: 526

Ion Ratio Lower Upper

105 100

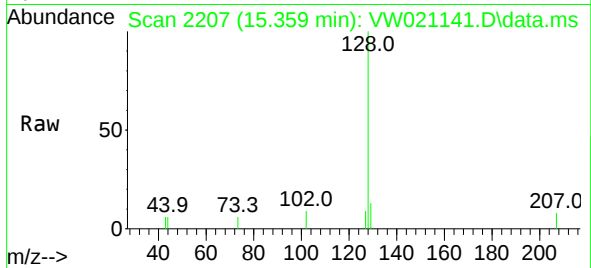
120 27.6 35.0 52.6#





#71
Naphthalene
Concen: 6.223 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW021141.D
Acq: 05 Dec 2021 01:50

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.7	16.1#
129	7.5	8.6	12.8#

