

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
 Data File : VW021152.D
 Acq On : 05 Dec 2021 06:13
 Operator : SY/VA
 Sample : M4868-07
 Misc : 7.87g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 04:30:56 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	77329	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	78898	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	44778	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	22167	20.575	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.280%
7) Chloroethane-d5	2.885	69	17514	24.283	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.120%
11) 1,1-Dichloroethene-d2	4.019	63	28501	16.559	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.240%
21) 2-Butanone-d5	7.086	46	13793	56.126	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.260%
24) Chloroform-d	7.653	84	53790	27.776	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.120%
26) 1,2-Dichloroethane-d4	8.305	65	33438	31.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.240%
32) Benzene-d6	8.275	84	100748	24.974	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.880%
36) 1,2-Dichloropropane-d6	9.274	67	31234	27.861	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.440%
41) Toluene-d8	10.323	98	96857	23.415	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.680%
43) trans-1,3-Dichloroprop...	10.579	79	13144	25.821	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.280%
47) 2-Hexanone-d5	10.927	63	11453	53.396	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.800%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	26417	25.471	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.880%
66) 1,2-Dichlorobenzene-d4	13.853	152	36827	22.954	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	8831	39.450	ug/L	91
22) 2-Butanone	7.183	43	1547	4.994	ug/L	87
27) 1,2-Dichloroethane	8.269	62	635	0.510	ug/L #	77
34) Trichloroethene	8.842	95	2299	1.857	ug/L #	5
35) Methylcyclohexane	9.342	83	2372	1.138	ug/L #	82
37) 1,2-Dichloropropane	9.274	63	4126	4.069	ug/L	99
39) cis-1,3-Dichloropropene	10.037	75	1276	0.778	ug/L #	59
45) 1,1,2-Trichloroethane	10.762	97	2396	2.818	ug/L #	22
52) Ethylbenzene	11.731	91	38671	6.703	ug/L	99
53) m,p-Xylene	11.835	106	21315	8.931	ug/L	88
54) o-Xylene	12.164	106	7468	3.319	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.695	83	1400	1.369	ug/L #	50
60) Isopropylbenzene	12.463	105	20926	3.363	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	10100	1.938	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	39783	7.590	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	3158	1.785	ug/L #	55
71) Naphthalene	15.365	128	110176	33.492	ug/L	99

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Quant Time: Dec 06 04:30:56 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

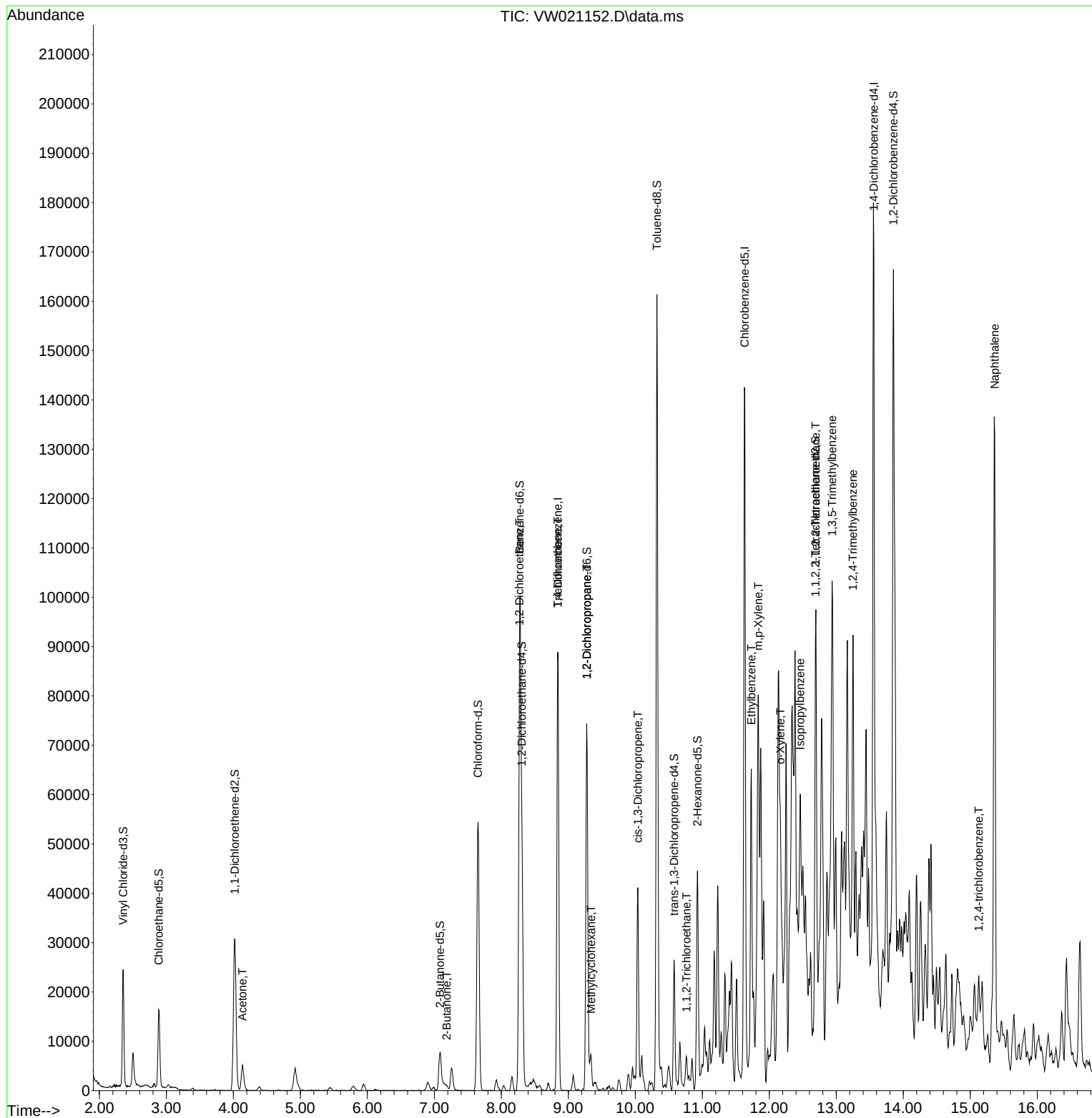
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

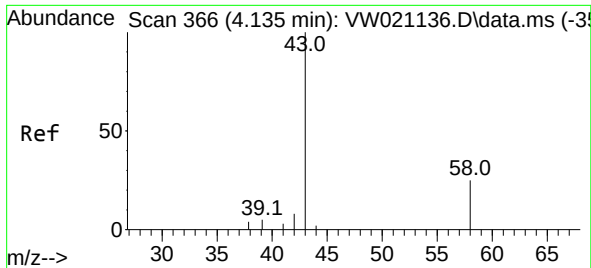
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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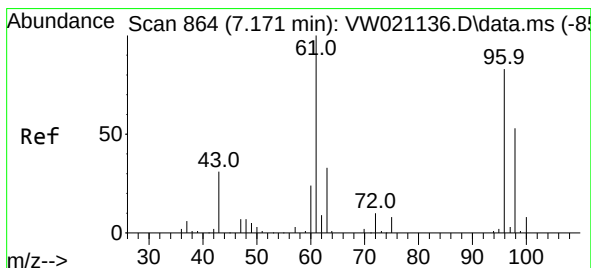
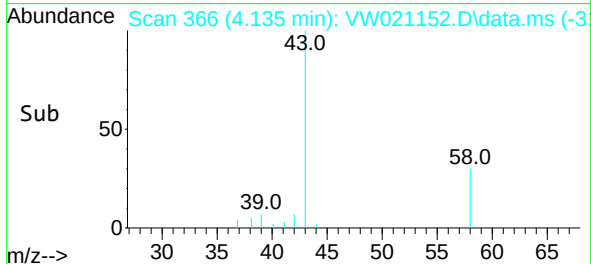
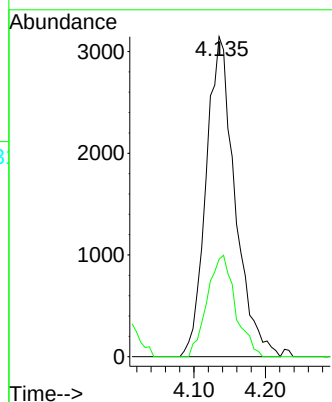
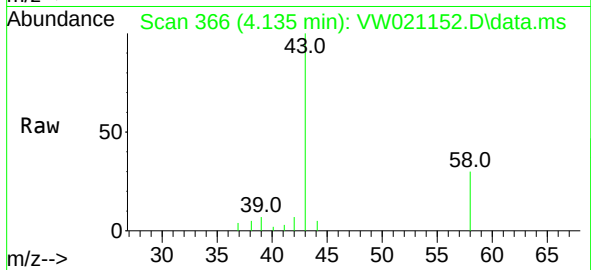




#13
Acetone
Concen: 39.450 ug/L
RT: 4.135 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

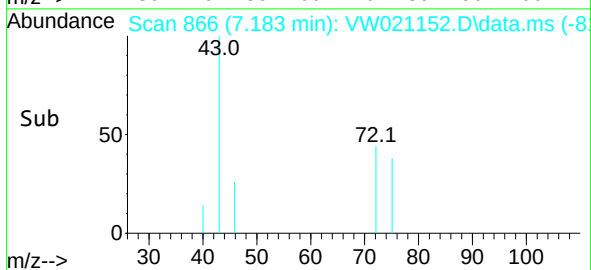
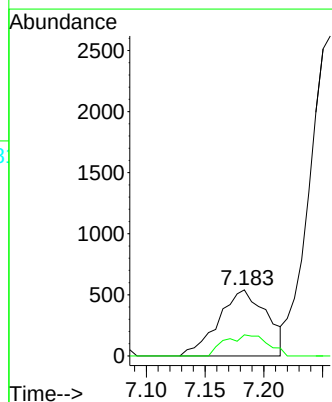
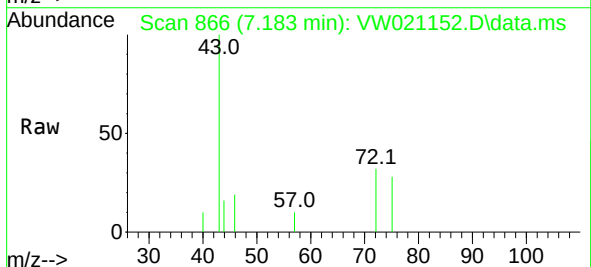
Instrument :
MSVOA_W
ClientSampleId :

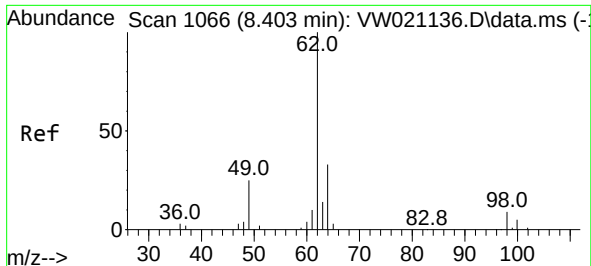
Tgt Ion: 43 Resp: 8831
Ion Ratio Lower Upper
43 100
58 30.8 0.0 52.8



#22
2-Butanone
Concen: 4.994 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
72 17.4 11.8 35.4

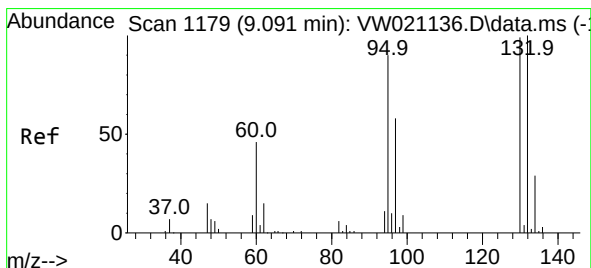
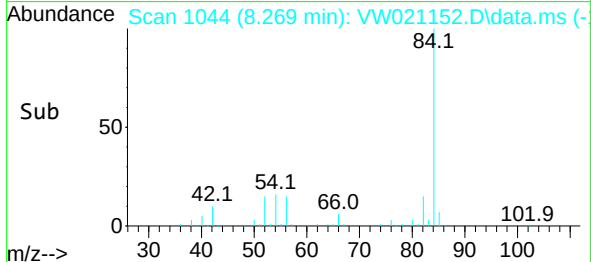
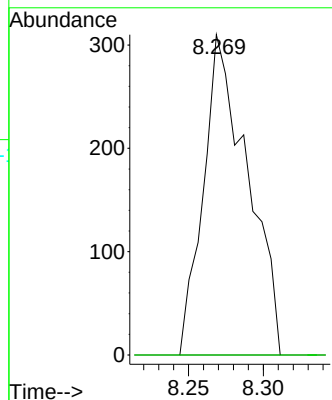
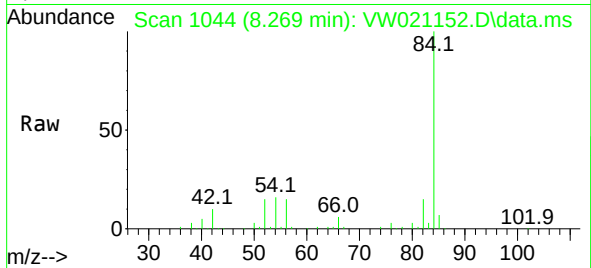




#27
1,2-Dichloroethane
Concen: 0.510 ug/L
RT: 8.269 min Scan# 1137
Delta R.T. -0.134 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

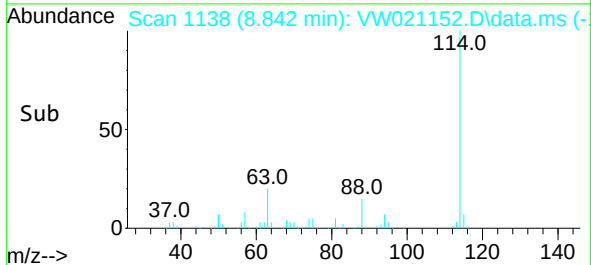
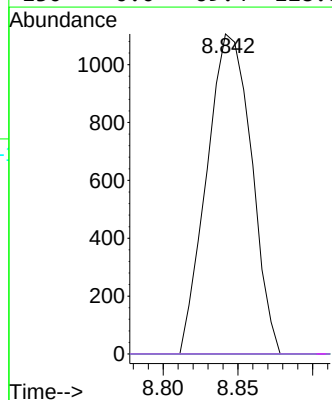
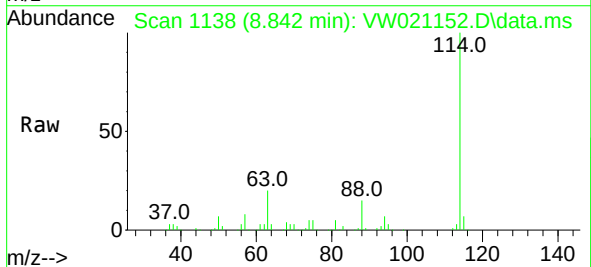
Instrument :
MSVOA_W
ClientSampleId :

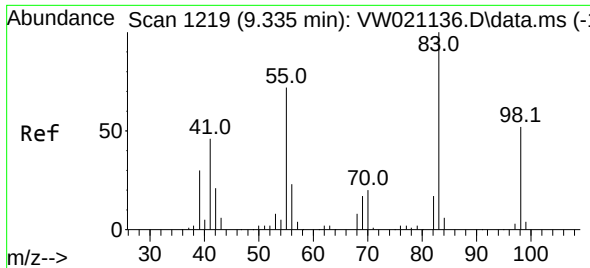
Tgt Ion: 62 Resp: 635
Ion Ratio Lower Upper
62 100
98 0.0 6.5 9.7#



#34
Trichloroethene
Concen: 1.857 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

Tgt Ion: 95 Resp: 2299
Ion Ratio Lower Upper
95 100
97 0.0 47.0 87.2#
132 0.0 65.5 121.6#
130 0.0 69.4 128.8#

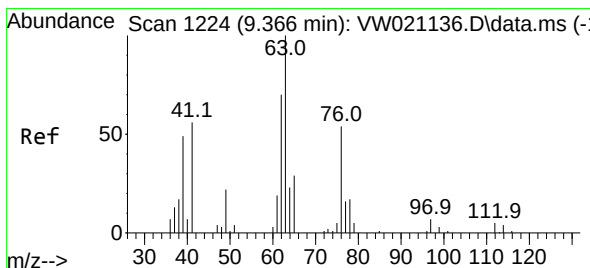
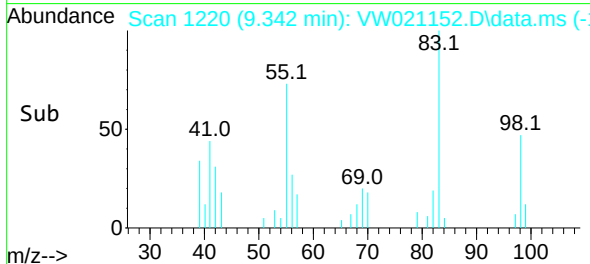
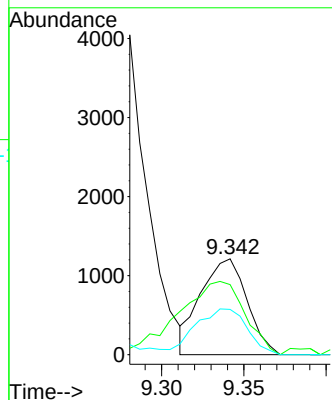
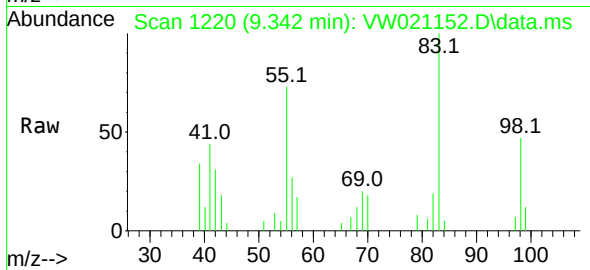




#35
Methylcyclohexane
Concen: 1.138 ug/L
RT: 9.342 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

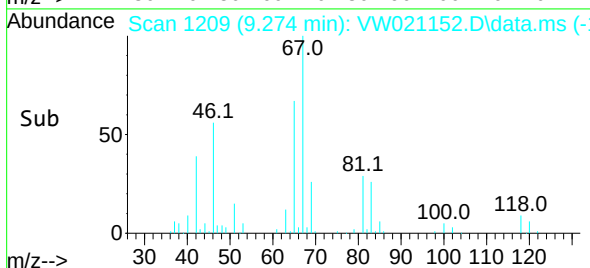
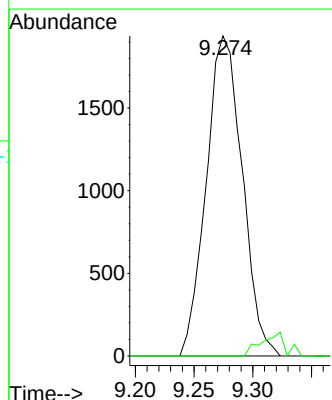
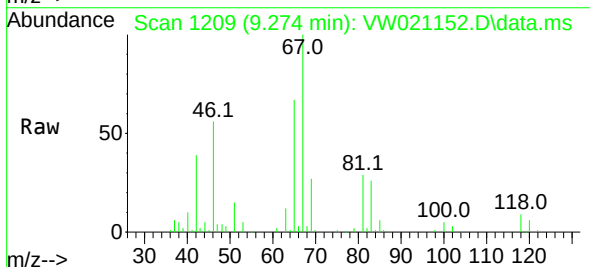
Instrument :
MSVOA_W
ClientSampleId :

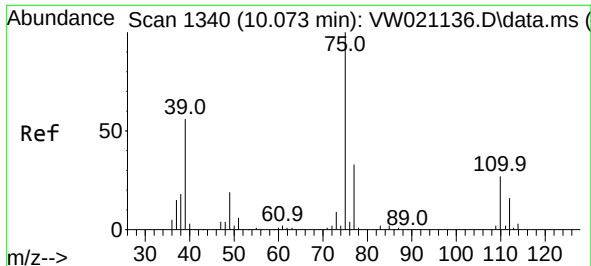
Tgt Ion: 83 Resp: 2372
Ion Ratio Lower Upper
83 100
55 110.6 70.8 106.2#
98 53.0 37.7 56.5



#37
1,2-Dichloropropane
Concen: 4.069 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

Tgt Ion: 63 Resp: 4126
Ion Ratio Lower Upper
63 100
112 4.3 3.2 4.8





#39

cis-1,3-Dichloropropene

Concen: 0.778 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021152.D

Acq: 05 Dec 2021 06:13

Instrument :

MSVOA_W

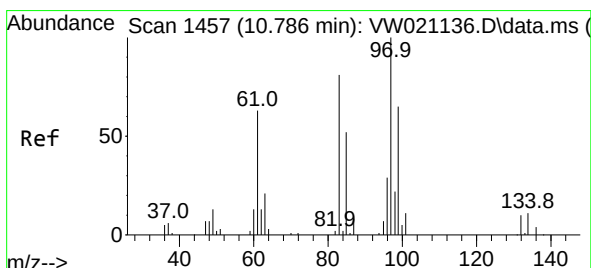
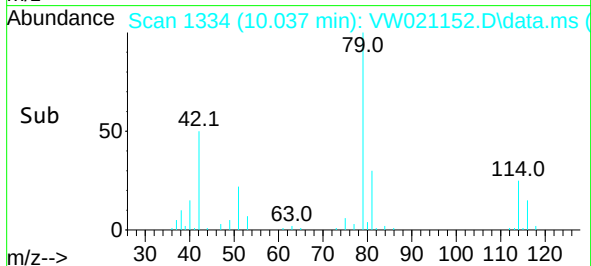
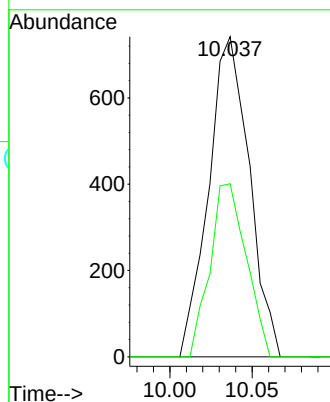
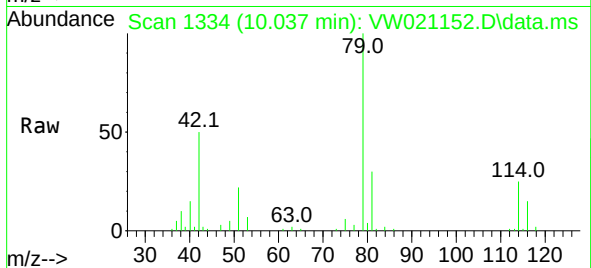
ClientSampleId :

Tgt Ion: 75 Resp: 1276

Ion Ratio Lower Upper

75 100

77 54.0 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 2.818 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW021152.D

Acq: 05 Dec 2021 06:13

Tgt Ion: 97 Resp: 2396

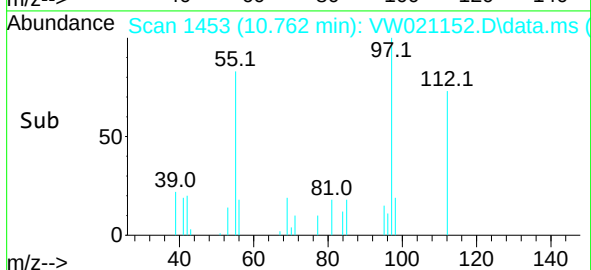
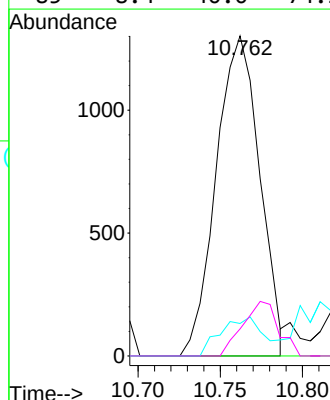
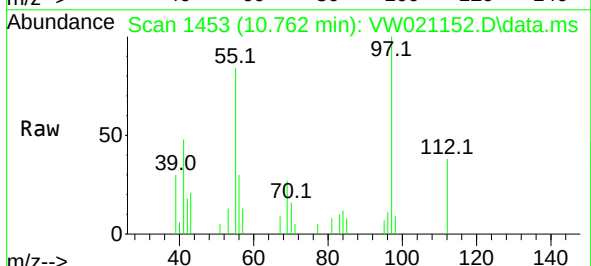
Ion Ratio Lower Upper

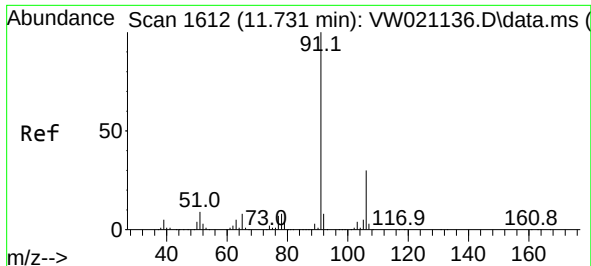
97 100

99 0.0 43.0 79.8#

83 10.1 62.6 116.3#

85 8.4 40.0 74.2#





#52

Ethylbenzene

Concen: 6.703 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021152.D

Acq: 05 Dec 2021 06:13

Instrument :

MSVOA_W

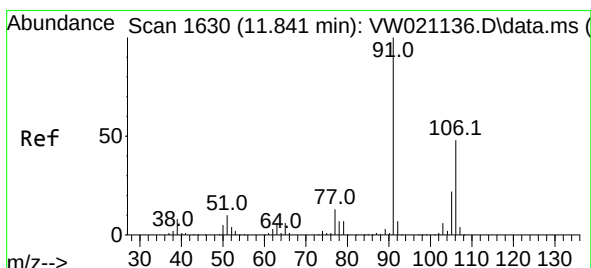
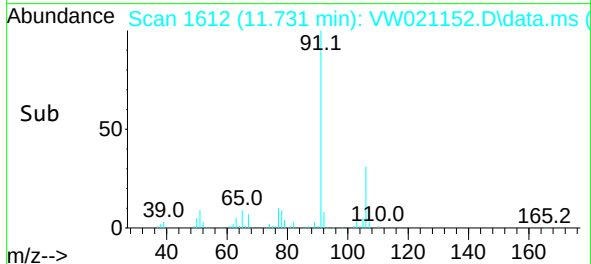
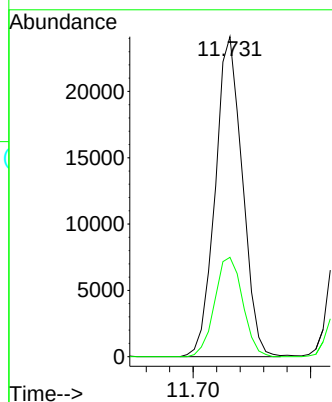
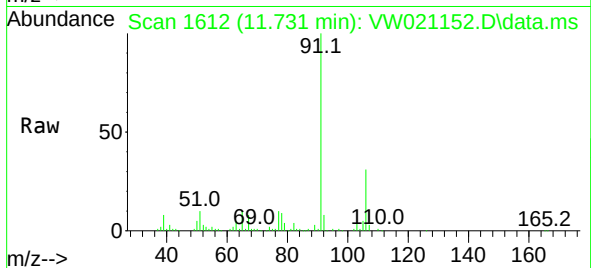
ClientSampleId :

Tgt Ion: 91 Resp: 38671

Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



#53

m,p-Xylene

Concen: 8.931 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021152.D

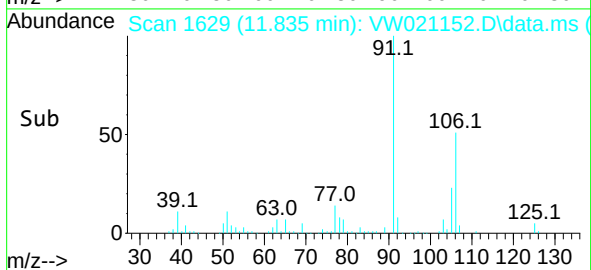
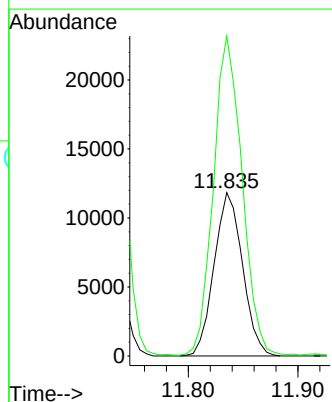
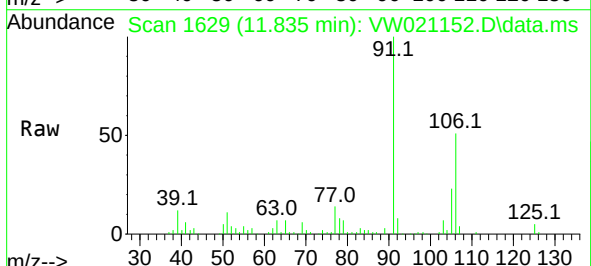
Acq: 05 Dec 2021 06:13

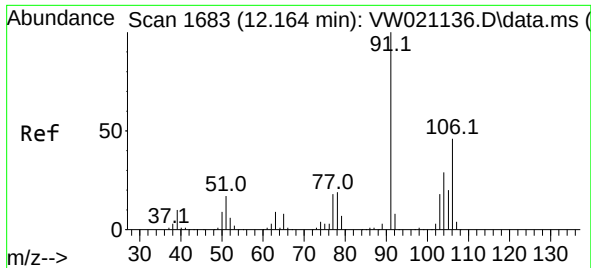
Tgt Ion:106 Resp: 21315

Ion Ratio Lower Upper

106 100

91 195.8 149.9 278.3

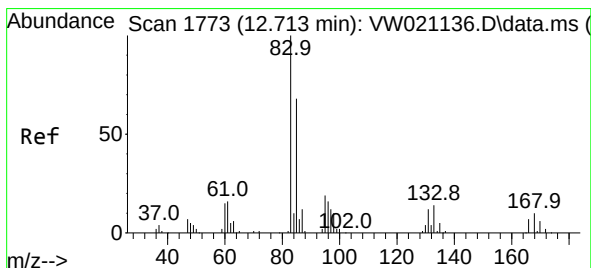
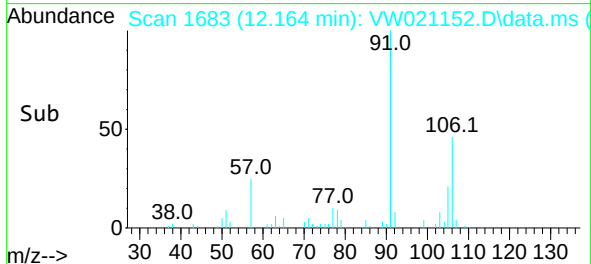
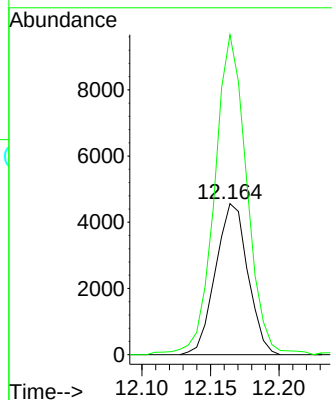
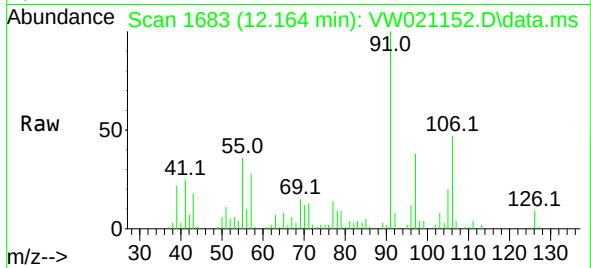




#54
o-Xylene
Concen: 3.319 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

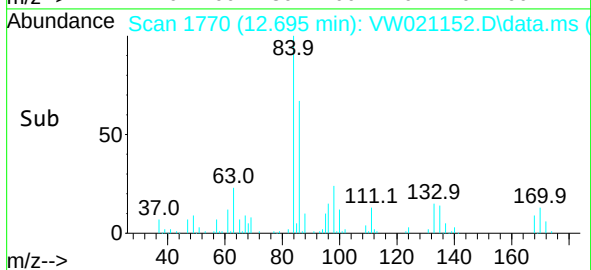
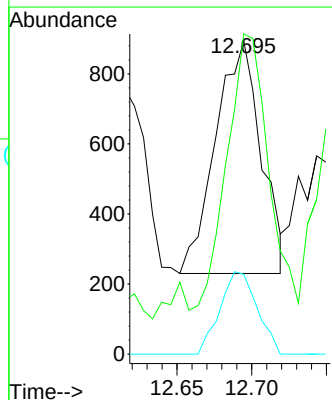
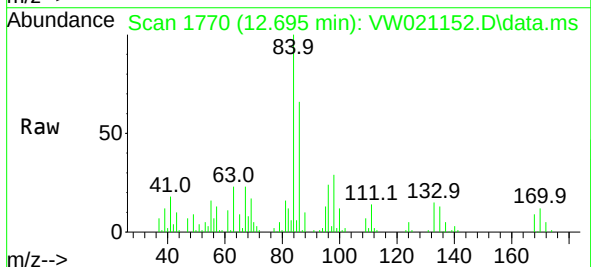
Instrument :
MSVOA_W
ClientSampleId :

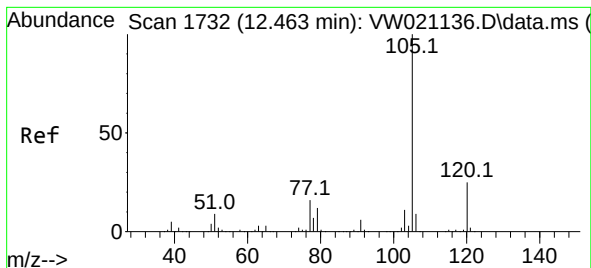
Tgt Ion:106 Resp: 7468
Ion Ratio Lower Upper
106 100
91 211.9 153.6 285.3



#57
1,1,2,2-Tetrachloroethane
Concen: 1.369 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

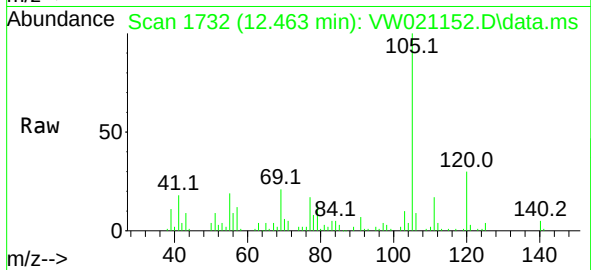
Tgt Ion: 83 Resp: 1400
Ion Ratio Lower Upper
83 100
85 102.1 44.0 81.6#
131 25.5 6.9 10.3#



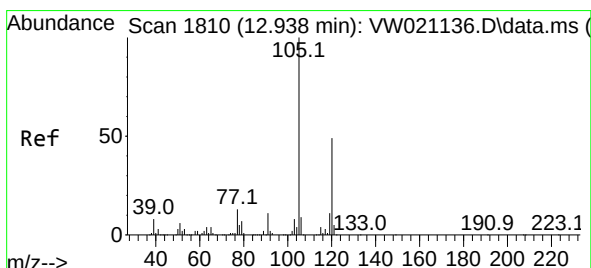
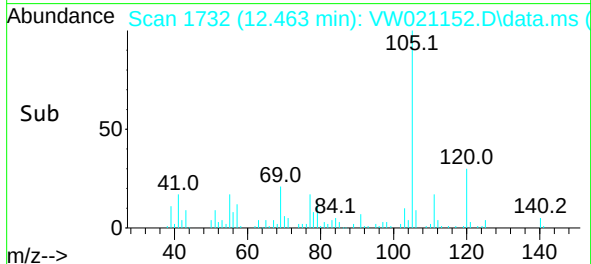
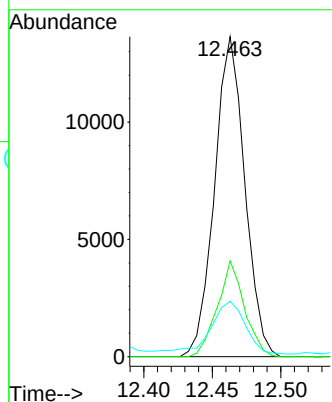


#60
Isopropylbenzene
Concen: 3.363 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

Instrument :
MSVOA_W
ClientSampleId :

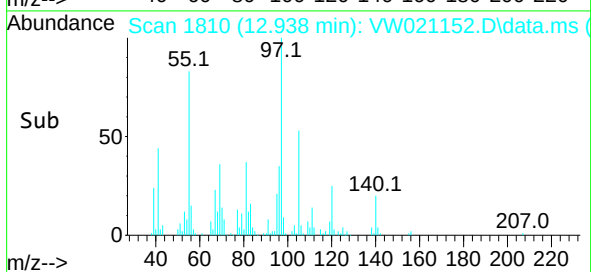
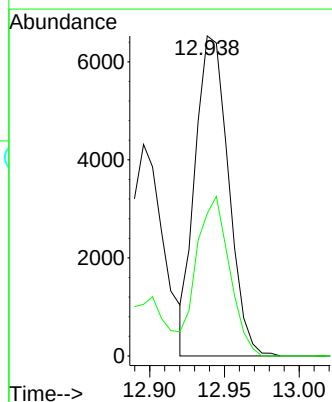
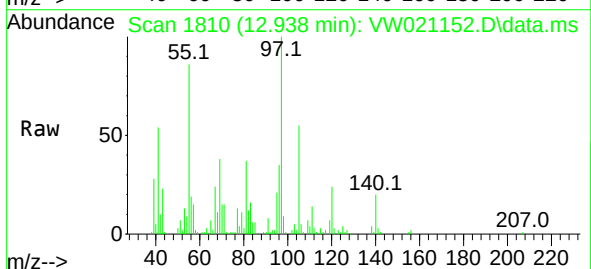


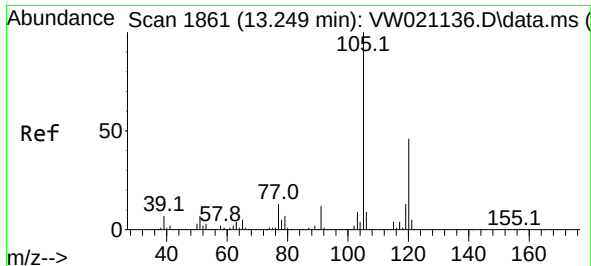
Tgt Ion:105 Resp: 20926
Ion Ratio Lower Upper
105 100
120 26.8 20.1 30.1
77 17.4 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 1.938 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

Tgt Ion:105 Resp: 10100
Ion Ratio Lower Upper
105 100
120 49.1 37.4 56.2

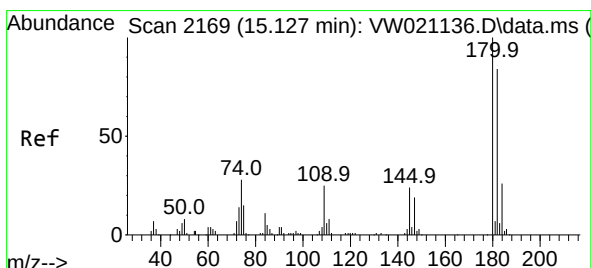
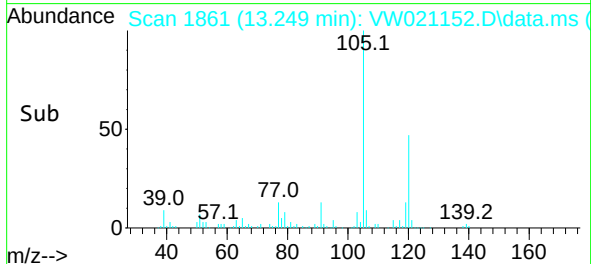
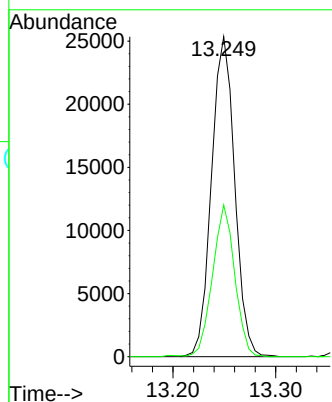
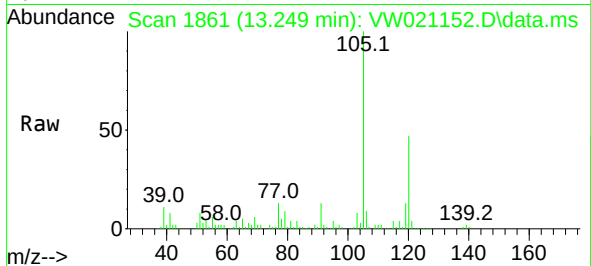




#63
1,2,4-Trimethylbenzene
Concen: 7.590 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

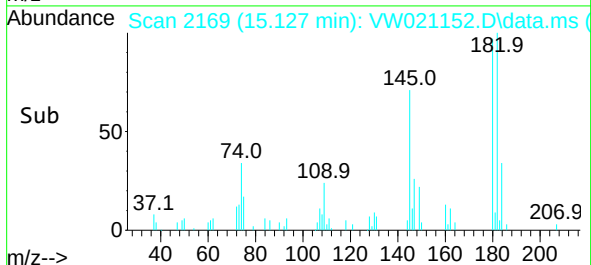
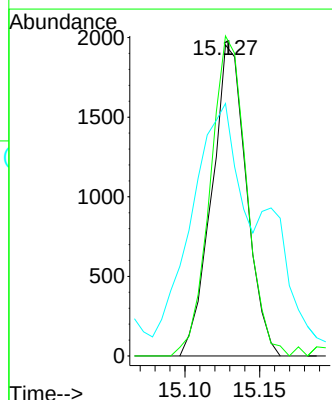
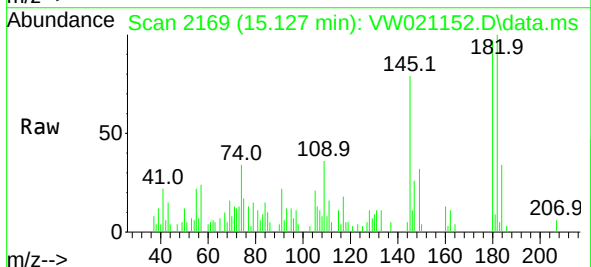
Instrument :
MSVOA_W
ClientSampleId :

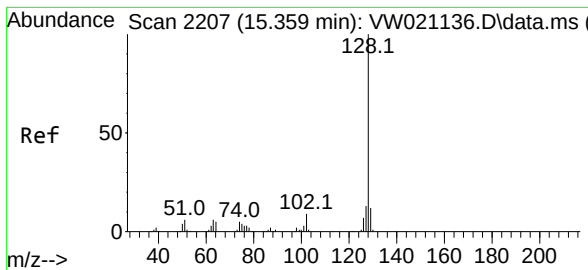
Tgt Ion:105 Resp: 39783
Ion Ratio Lower Upper
105 100
120 45.1 35.0 52.6



#70
1,2,4-trichlorobenzene
Concen: 1.785 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

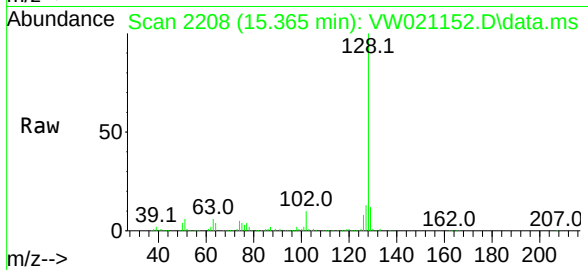
Tgt Ion:180 Resp: 3158
Ion Ratio Lower Upper
180 100
182 107.1 79.0 118.6
145 121.0 26.0 39.0#





#71
Naphthalene
Concen: 33.492 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021152.D
Acq: 05 Dec 2021 06:13

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 110176
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 11.4 8.6 12.8

