

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
 Data File : VW021150.D
 Acq On : 05 Dec 2021 05:25
 Operator : SY/VA
 Sample : M4868-02RE
 Misc : 6.83g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 04:30:41 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	120246	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	117912	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	77846	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	45376	27.085	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.320%			
7) Chloroethane-d5	2.885	69	27879	24.858	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.440%			
11) 1,1-Dichloroethene-d2	4.019	63	49566	18.520	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 74.080%			
21) 2-Butanone-d5	7.092	46	14535	38.036	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.080%			
24) Chloroform-d	7.653	84	74126	24.615	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.480%			
26) 1,2-Dichloroethane-d4	8.311	65	38736	23.513	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.040%			
32) Benzene-d6	8.281	84	146566	24.310	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.240%			
36) 1,2-Dichloropropane-d6	9.274	67	41032	24.490	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.960%			
41) Toluene-d8	10.323	98	143890	23.276	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.120%			
43) trans-1,3-Dichloroprop...	10.579	79	16386	21.539	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.160%			
47) 2-Hexanone-d5	10.927	63	11752	36.662	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.320%			
56) 1,1,2,2-Tetrachloroeth...	12.695	84	33613	21.686	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 86.760%			
66) 1,2-Dichlorobenzene-d4	13.847	152	63634	22.814	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.240%			
Target Compounds						Qvalue
5) Vinyl chloride	2.361	62	4914	2.151	ug/L	# 2
13) Acetone	4.153	43	23435	67.324	ug/L	96
17) trans-1,2-Dichloroethene	5.428	96	1345	0.809	ug/L	80
20) cis-1,2-Dichloroethene	7.177	96	122905	69.712	ug/L	74
22) 2-Butanone	7.183	43	4763	9.887	ug/L	# 25
27) 1,2-Dichloroethane	8.403	62	3240	1.674	ug/L	# 89
29) Cyclohexane	8.037	56	1592	0.612	ug/L	# 26
33) Benzene	8.323	78	63337	9.446	ug/L	100
35) Methylcyclohexane	9.335	83	2318	0.744	ug/L	# 48
37) 1,2-Dichloropropane	9.274	63	5151	3.399	ug/L	# 76
39) cis-1,3-Dichloropropene	10.036	75	1582	0.645	ug/L	# 81
40) 4-Methyl-2-pentanone	10.213	43	9303	9.011	ug/L	# 92
42) Toluene	10.390	91	195533	25.531	ug/L	96
45) 1,1,2-Trichloroethane	10.762	97	1221	0.961	ug/L	# 18
48) 2-Hexanone	10.927	43	3818	5.126	ug/L	# 54
51) Chlorobenzene	11.658	112	6875	1.343	ug/L	89
52) Ethylbenzene	11.731	91	1734208	201.141	ug/L	97
53) m,p-Xylene	11.835	106	2376550	666.309	ug/L	83
54) o-Xylene	12.164	106	619034	184.082	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
 Data File : VW021150.D
 Acq On : 05 Dec 2021 05:25
 Operator : SY/VA
 Sample : M4868-02RE
 Misc : 6.83g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

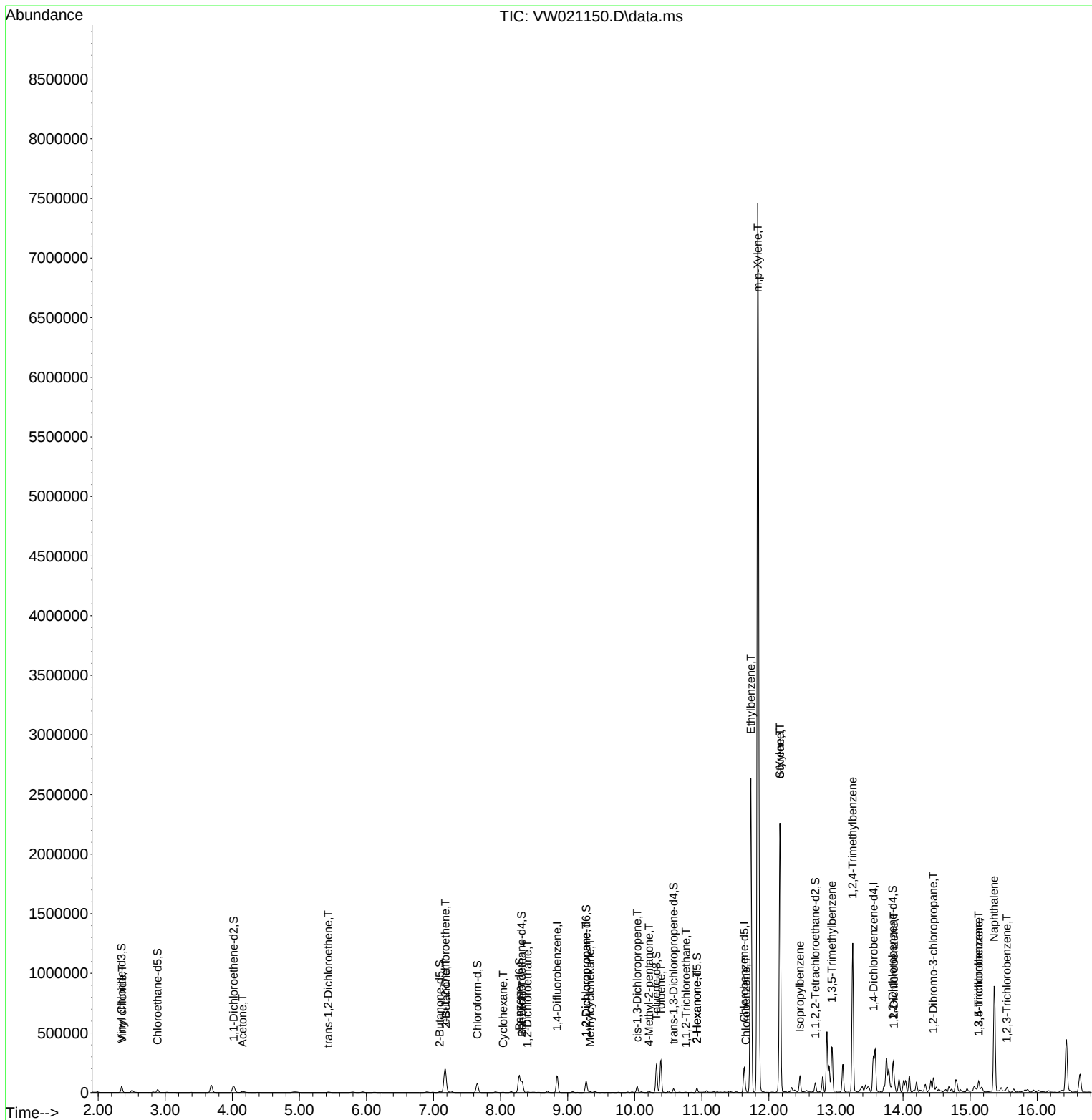
Quant Time: Dec 06 04:30:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

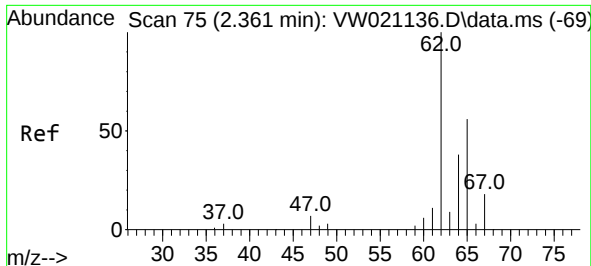
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

55) Styrene	12.164	104	32311	5.639	ug/L #	1
60) Isopropylbenzene	12.463	105	83791	7.745	ug/L	97
62) 1,3,5-Trimethylbenzene	12.938	105	191878	21.178	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	669319	73.453	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	15424	3.401	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.450	75	1679	5.702	ug/L #	10
69) 1,3,5-Trichlorobenzene	15.127	180	28549	7.626	ug/L #	93
70) 1,2,4-trichlorobenzene	15.127	180	28549	9.280	ug/L #	92
71) Naphthalene	15.359	128	797880	139.514	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	11470	4.272	ug/L #	85

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

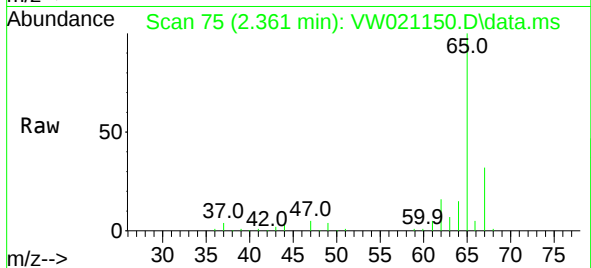
Quant Time: Dec 06 04:30:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration



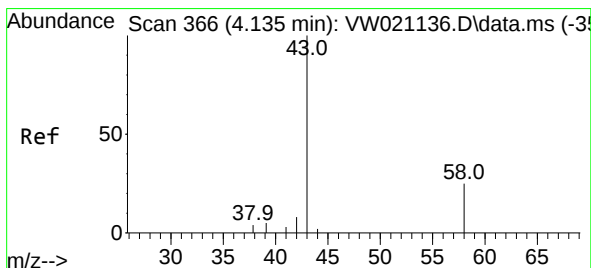
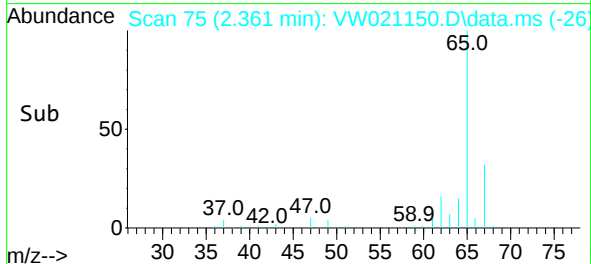
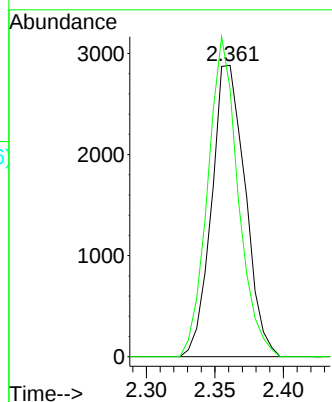


#5
 Vinyl chloride
 Concen: 2.151 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW021150.D
 Acq: 05 Dec 2021 05:25

Instrument :
 MSVOA_W
 ClientSampleId :

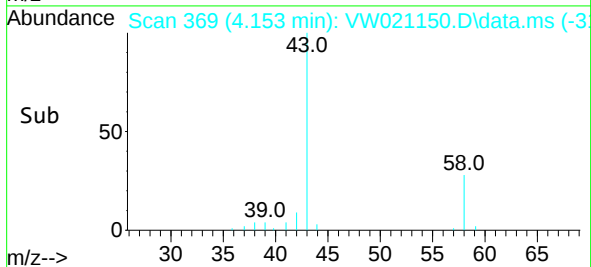
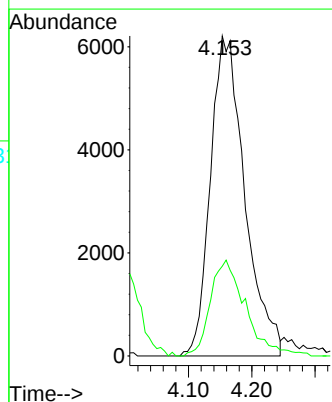
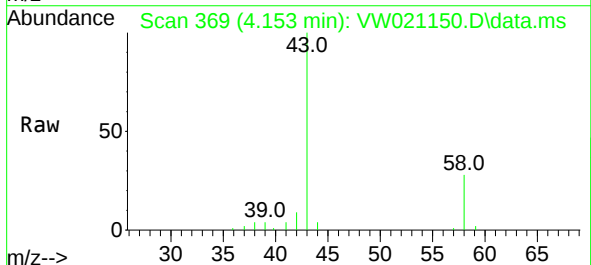


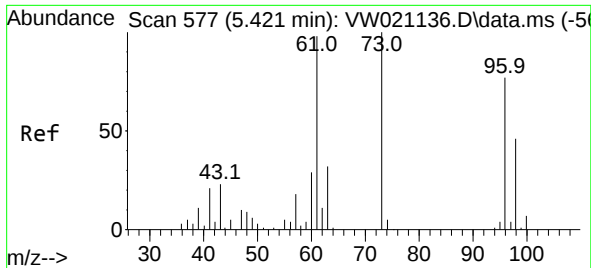
Tgt Ion: 62 Resp: 4914
 Ion Ratio Lower Upper
 62 100
 64 91.7 24.4 45.2#



#13
 Acetone
 Concen: 67.324 ug/L
 RT: 4.153 min Scan# 369
 Delta R.T. 0.018 min
 Lab File: VW021150.D
 Acq: 05 Dec 2021 05:25

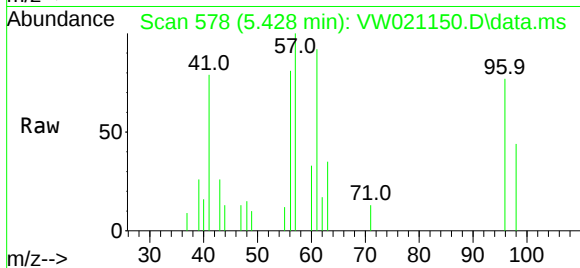
Tgt Ion: 43 Resp: 23435
 Ion Ratio Lower Upper
 43 100
 58 28.4 0.0 52.8



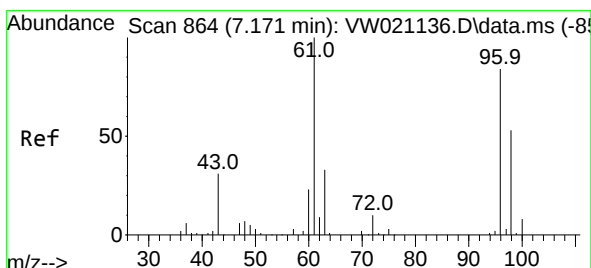
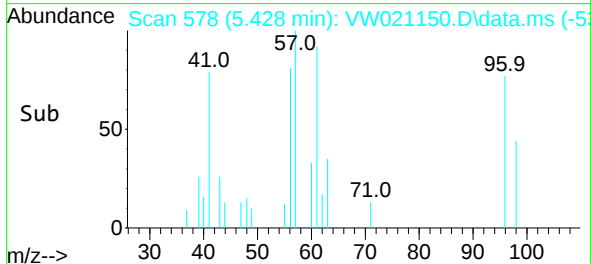
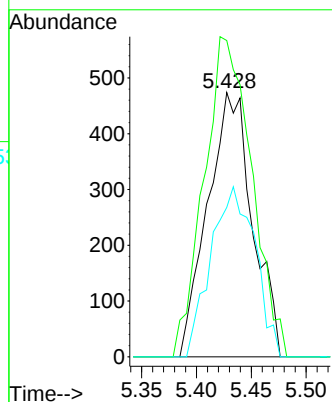


#17
trans-1,2-Dichloroethene
Concen: 0.809 ug/L
RT: 5.428 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Instrument :
MSVOA_W
ClientSampleId :

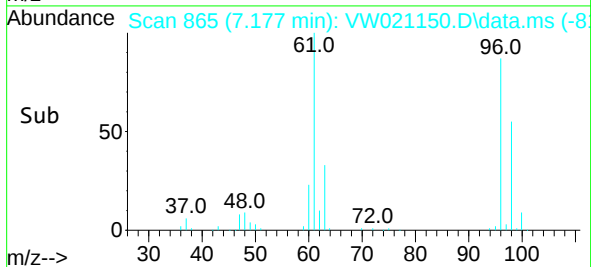
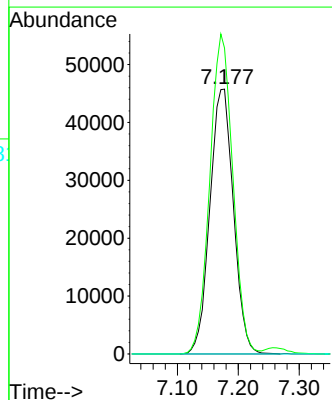
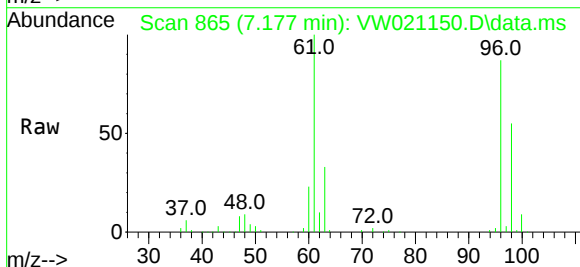


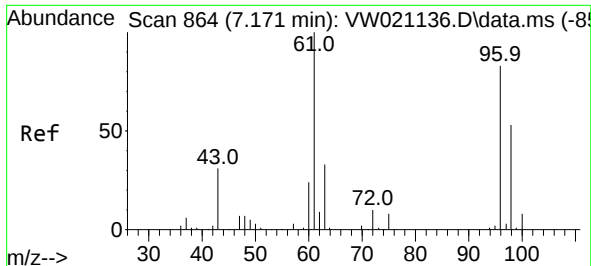
Tgt Ion: 96 Resp: 1345
Ion Ratio Lower Upper
96 100
61 119.6 107.4 199.4
98 56.5 41.2 76.6



#20
cis-1,2-Dichloroethene
Concen: 69.712 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Tgt Ion: 96 Resp: 122905
Ion Ratio Lower Upper
96 100
61 115.6 103.7 192.7
68 0.0 0.0 0.0

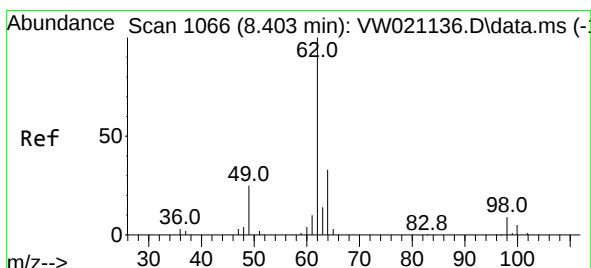
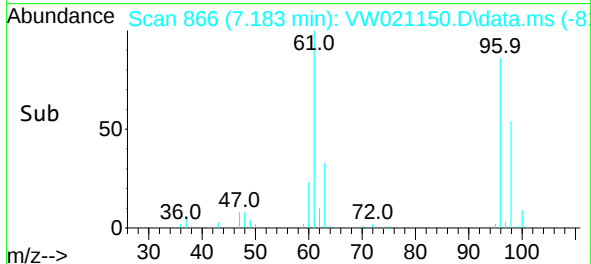
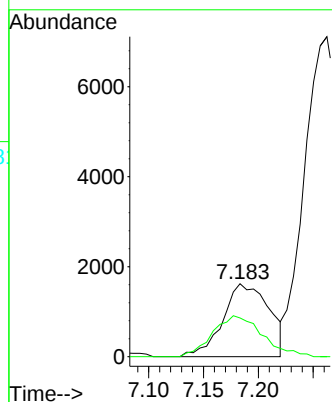
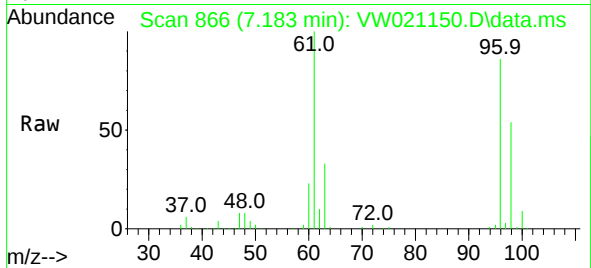




#22
2-Butanone
Concen: 9.887 ug/L
RT: 7.183 min Scan# 864
Delta R.T. 0.012 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

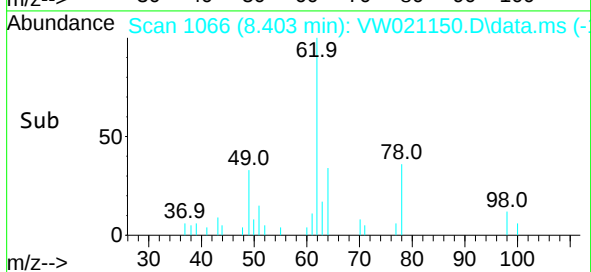
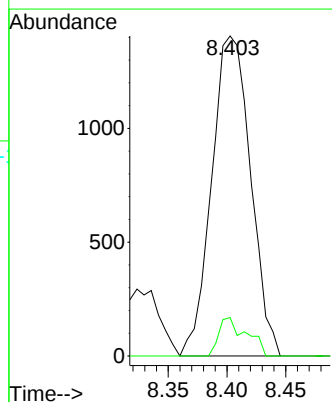
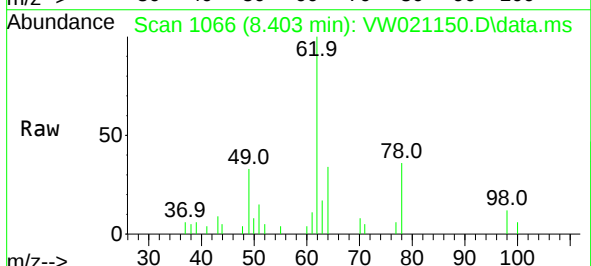
Instrument :
MSVOA_W
ClientSampleId :

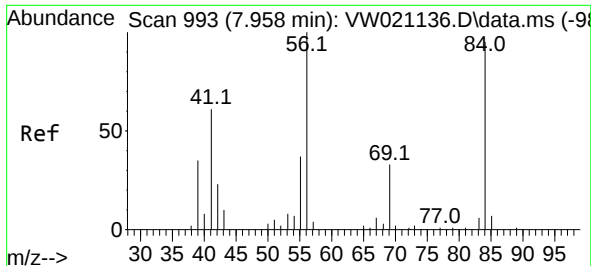
Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
72 60.4 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 1.674 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Tgt Ion: 62 Resp: 3240
Ion Ratio Lower Upper
62 100
98 12.0 6.5 9.7#





#29

Cyclohexane

Concen: 0.612 ug/L

RT: 8.037 min Scan# 1006

Delta R.T. 0.079 min

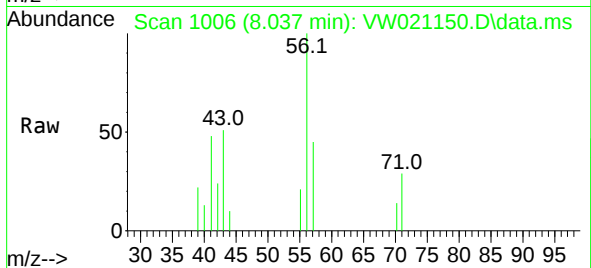
Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Instrument :

MSVOA_W

ClientSampleId :



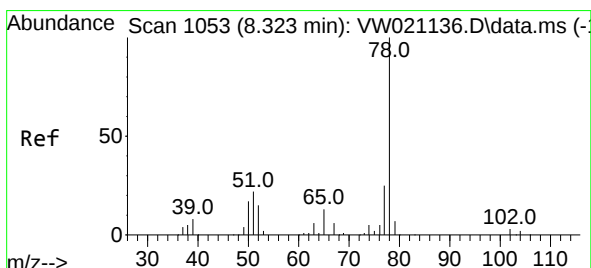
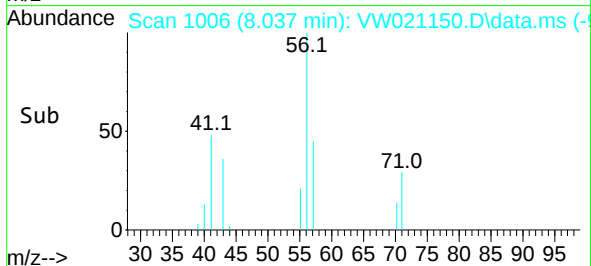
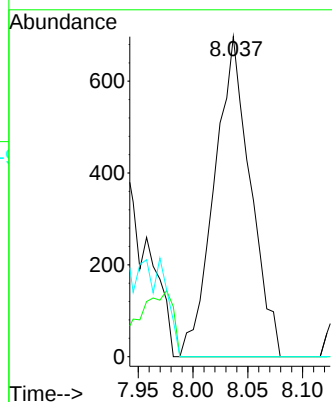
Tgt Ion: 56 Resp: 1592

Ion Ratio Lower Upper

56 100

69 6.0 23.5 35.3#

84 4.4 63.4 95.2#



#33

Benzene

Concen: 9.446 ug/L

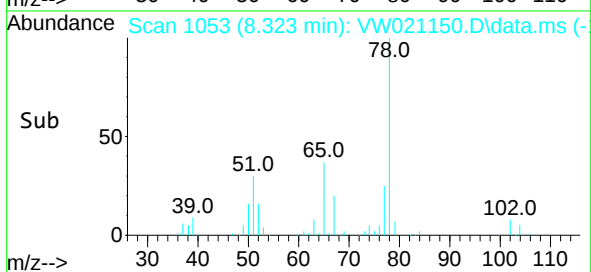
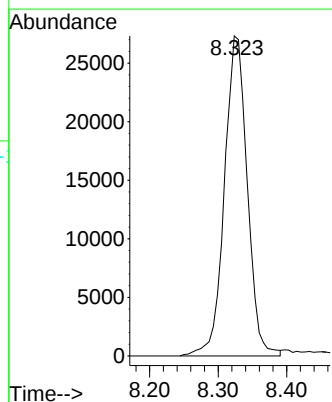
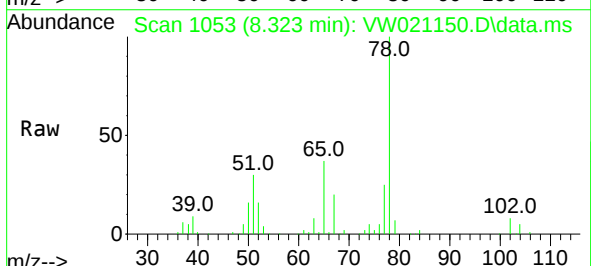
RT: 8.323 min Scan# 1053

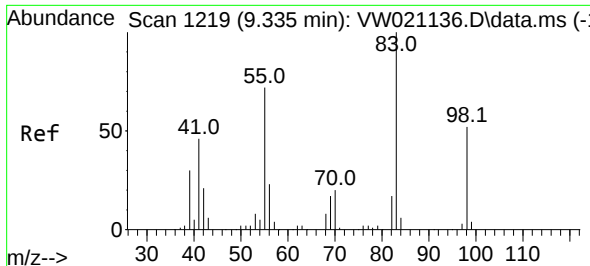
Delta R.T. -0.000 min

Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Tgt Ion: 78 Resp: 63337





#35

Methylcyclohexane

Concen: 0.744 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.000 min

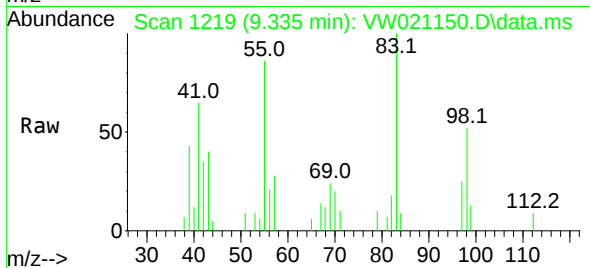
Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Instrument :

MSVOA_W

ClientSampleId :



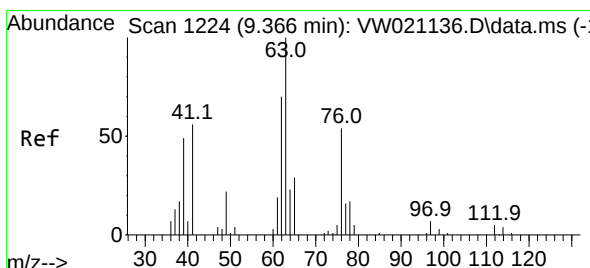
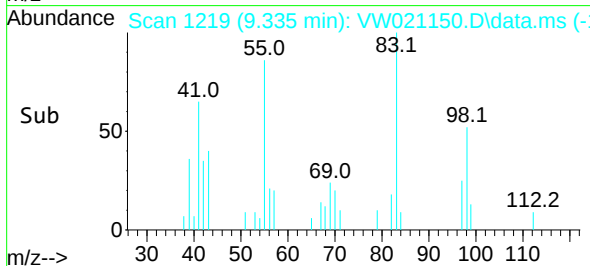
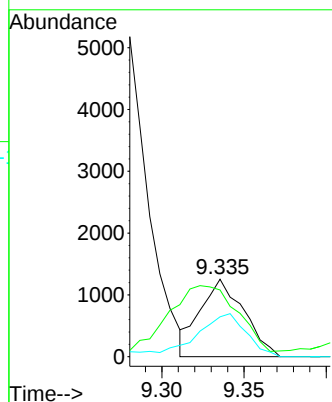
Tgt Ion: 83 Resp: 2318

Ion Ratio Lower Upper

83 100

55 152.2 70.8 106.2#

98 61.0 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 3.399 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.098 min

Lab File: VW021150.D

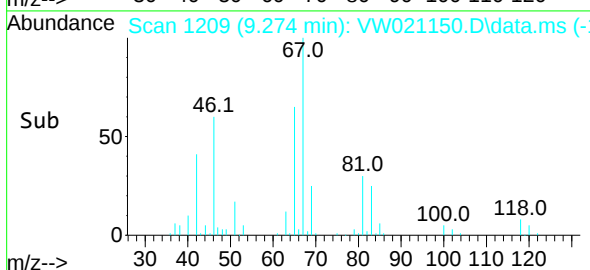
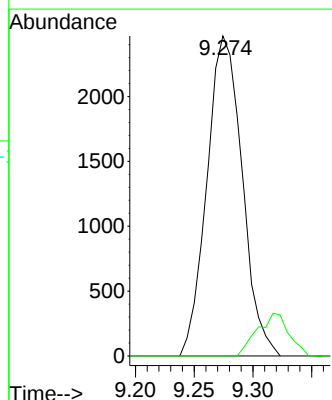
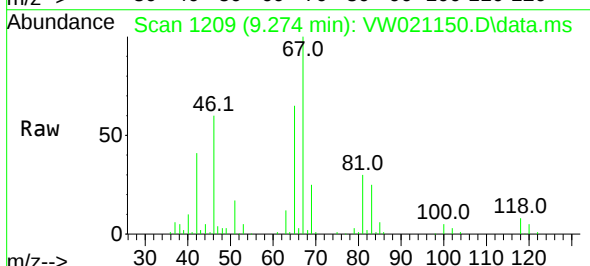
Acq: 05 Dec 2021 05:25

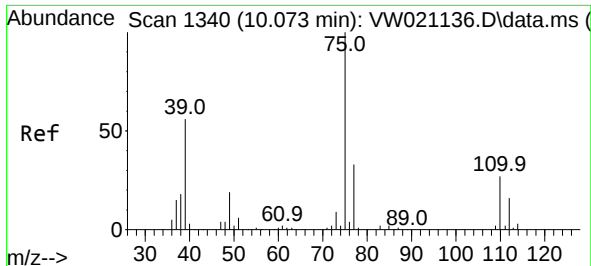
Tgt Ion: 63 Resp: 5151

Ion Ratio Lower Upper

63 100

112 11.9 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.645 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Instrument :

MSVOA_W

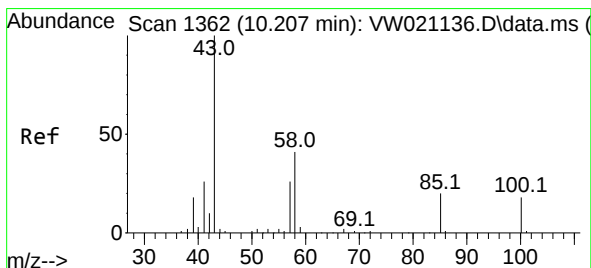
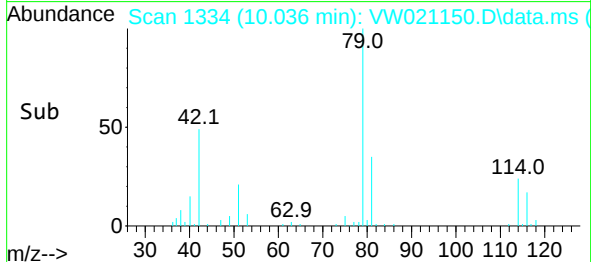
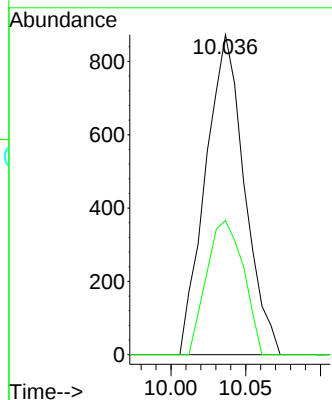
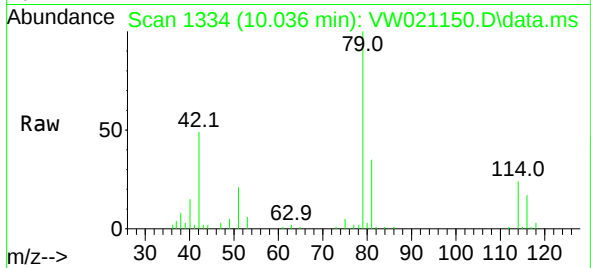
ClientSampleId :

Tgt Ion: 75 Resp: 1582

Ion Ratio Lower Upper

75 100

77 41.9 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 9.011 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

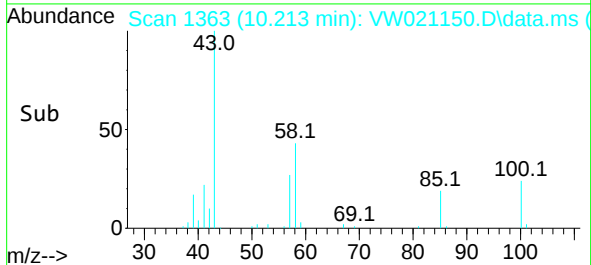
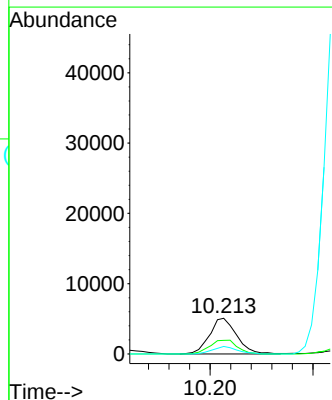
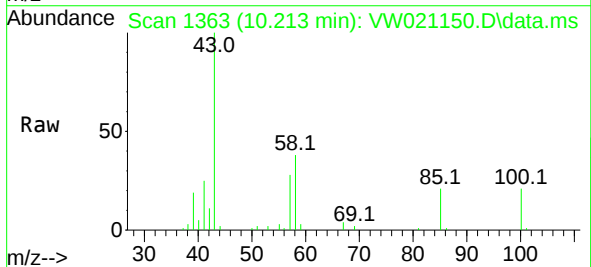
Tgt Ion: 43 Resp: 9303

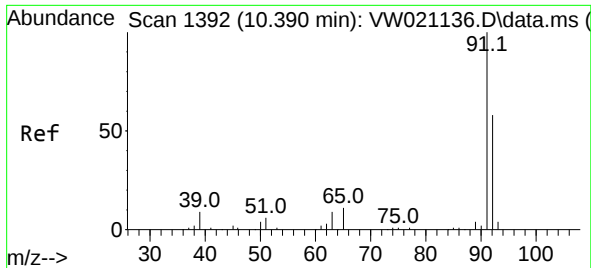
Ion Ratio Lower Upper

43 100

58 39.3 28.8 43.2

100 18.8 10.0 15.0#

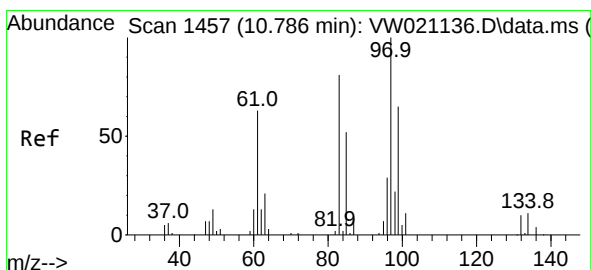
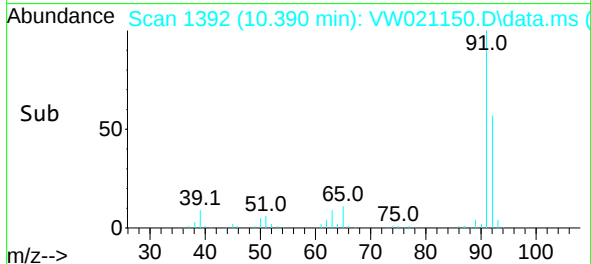
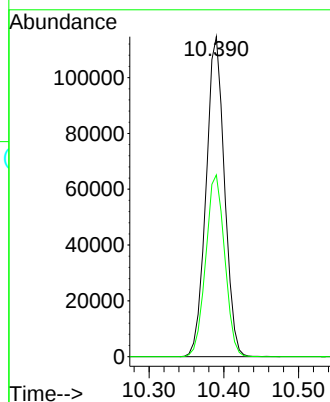
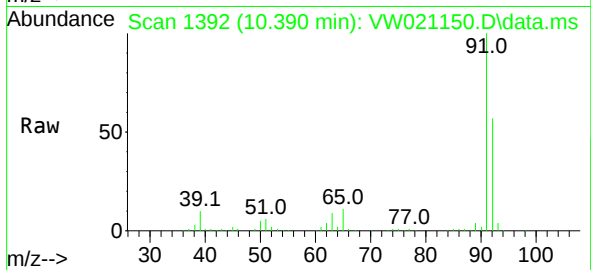




#42
Toluene
Concen: 25.531 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

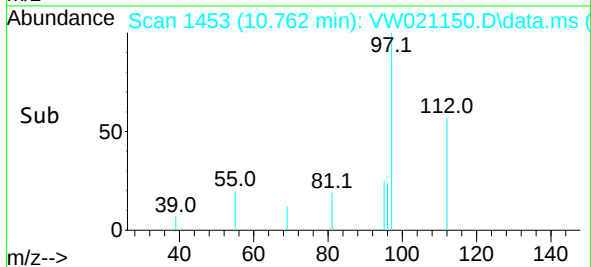
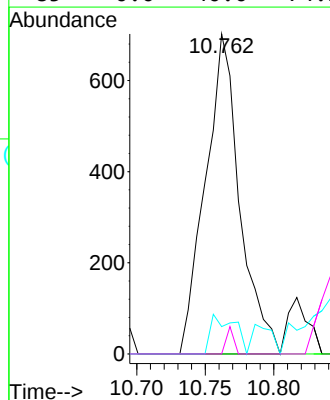
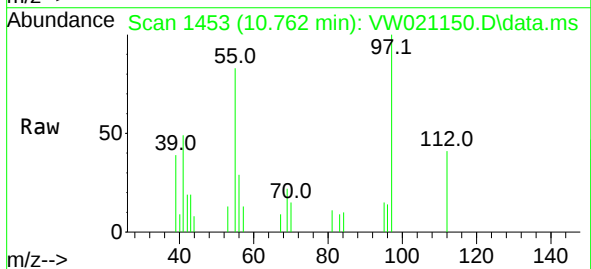
Instrument :
MSVOA_W
ClientSampleId :

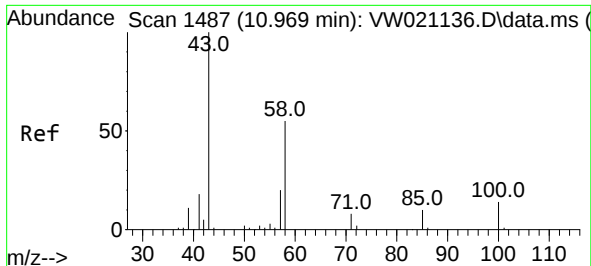
Tgt Ion: 91 Resp: 195533
Ion Ratio Lower Upper
91 100
92 56.8 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 0.961 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

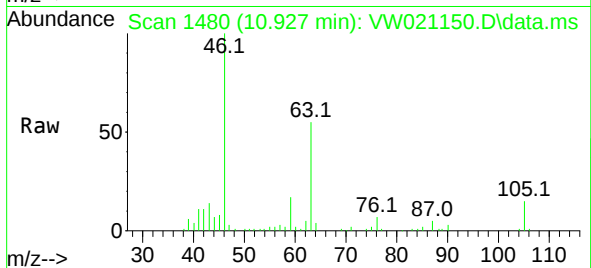
Tgt Ion: 97 Resp: 1221
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 8.5 62.6 116.3#
85 0.0 40.0 74.2#



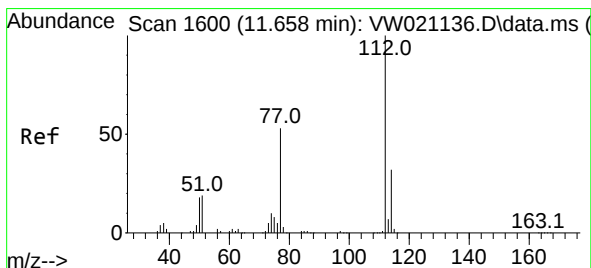
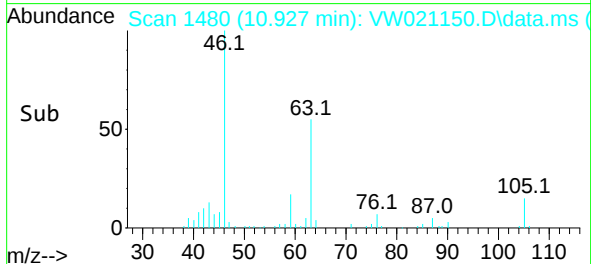
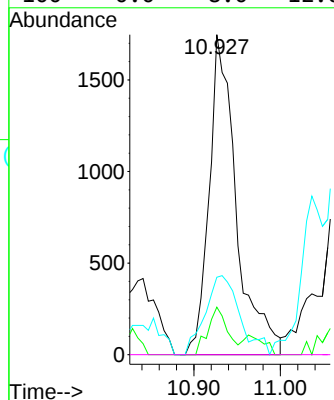


#48
2-Hexanone
Concen: 5.126 ug/L
RT: 10.927 min Scan# 1487
Delta R.T. -0.043 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Instrument :
MSVOA_W
ClientSampleId :

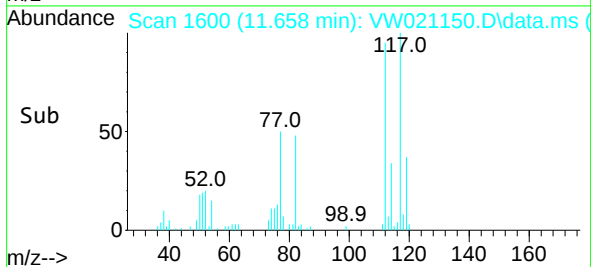
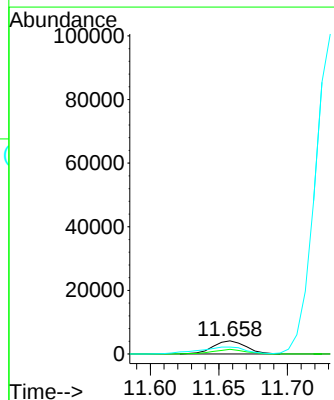
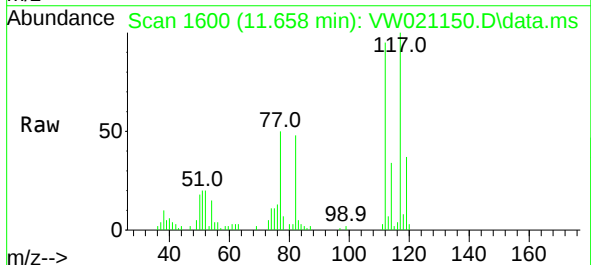


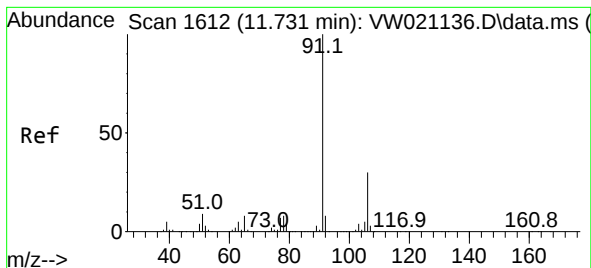
Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
58 10.7 40.2 60.2#
57 28.9 14.3 21.5#
100 0.0 8.0 12.0#



#51
Chlorobenzene
Concen: 1.343 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Tgt Ion: 112 Resp: 6875
Ion Ratio Lower Upper
112 100
114 35.7 22.4 41.6
77 52.3 50.2 75.4

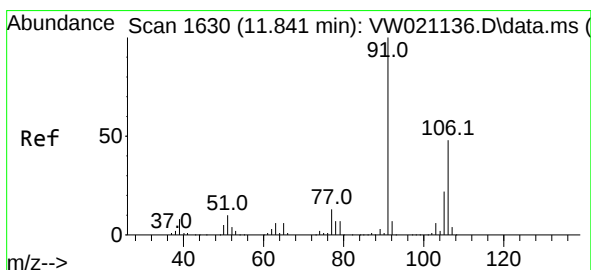
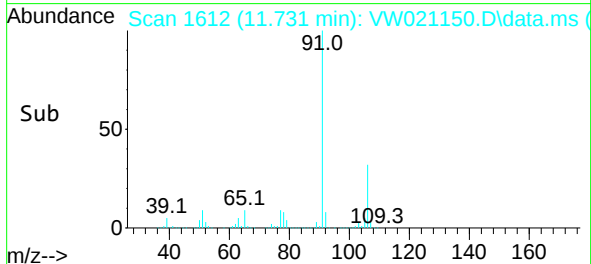
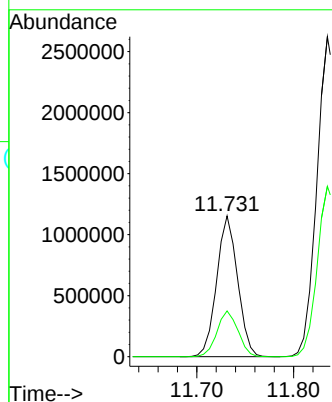
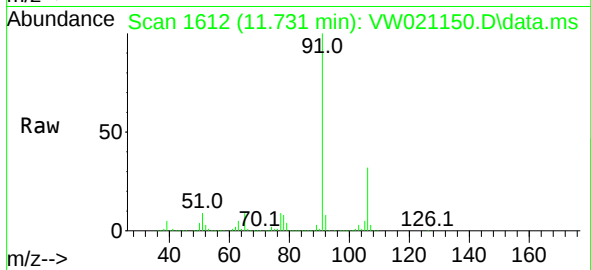




#52
Ethylbenzene
Concen: 201.141 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

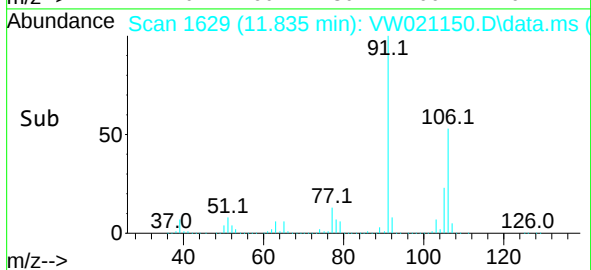
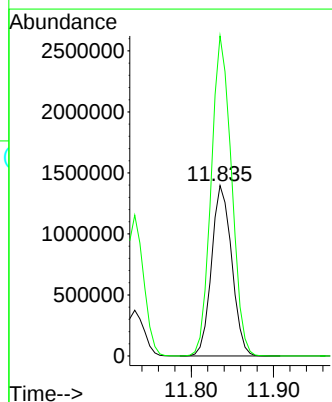
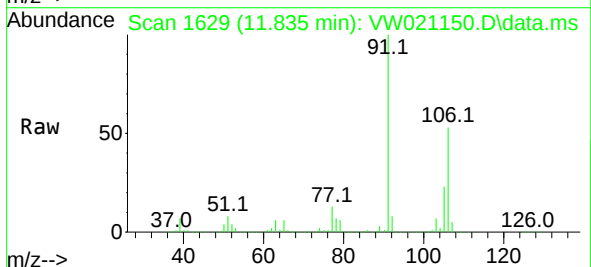
Instrument :
MSVOA_W
ClientSampleId :

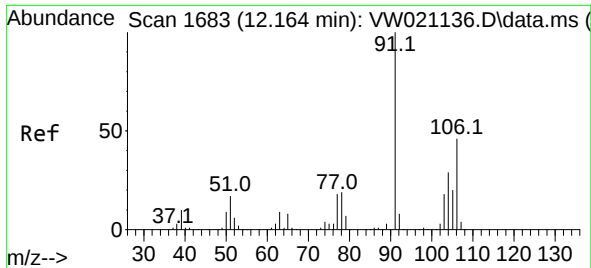
Tgt Ion: 91 Resp: 1734208
Ion Ratio Lower Upper
91 100
106 32.4 21.5 39.9



#53
m,p-Xylene
Concen: 666.309 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Tgt Ion:106 Resp: 2376550
Ion Ratio Lower Upper
106 100
91 187.8 149.9 278.3

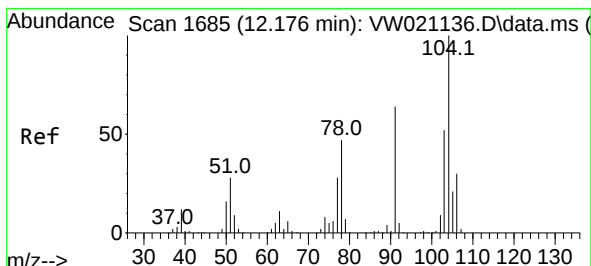
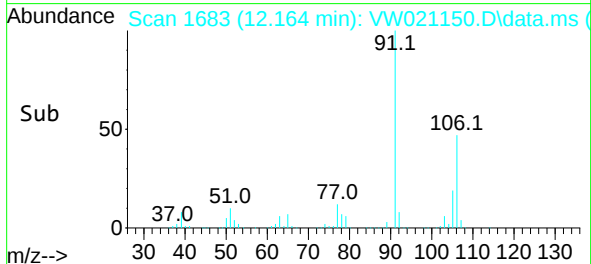
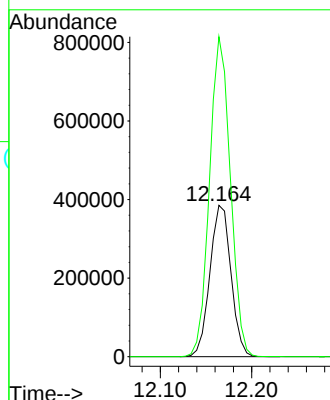
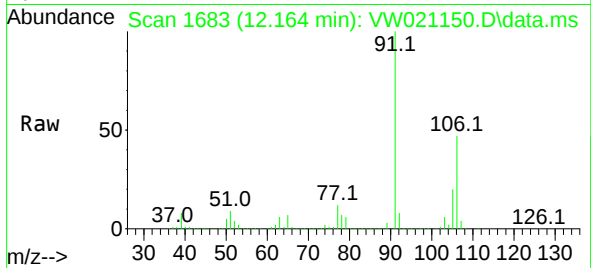




#54
o-Xylene
Concen: 184.082 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

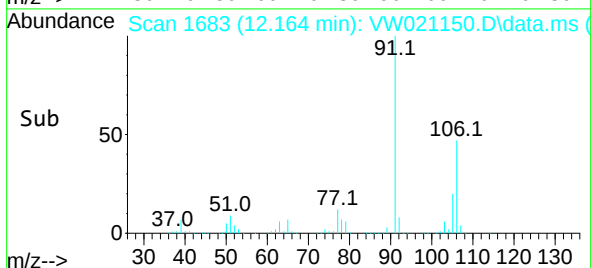
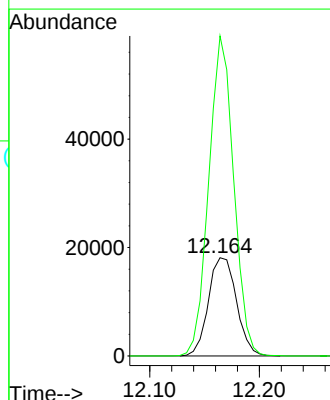
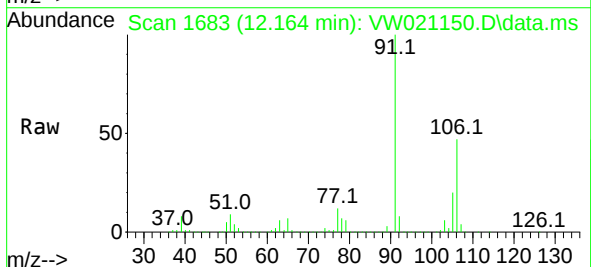
Instrument :
MSVOA_W
ClientSampleId :

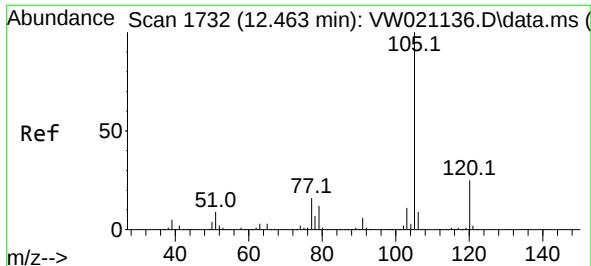
Tgt Ion:106 Resp: 619034
Ion Ratio Lower Upper
106 100
91 211.4 153.6 285.3



#55
Styrene
Concen: 5.639 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

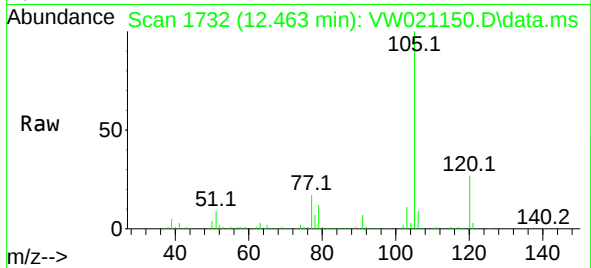
Tgt Ion:104 Resp: 32311
Ion Ratio Lower Upper
104 100
78 325.6 34.4 64.0#



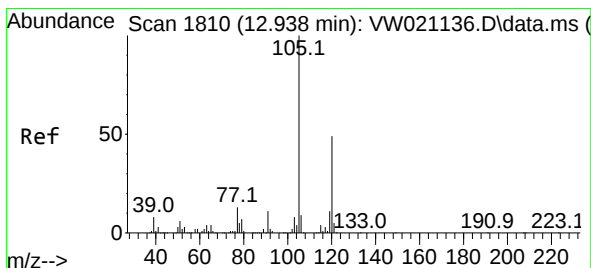
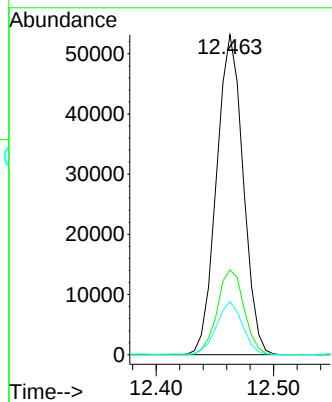
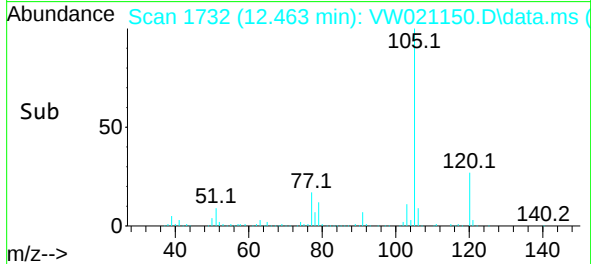


#60
Isopropylbenzene
Concen: 7.745 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Instrument :
MSVOA_W
ClientSampleId :

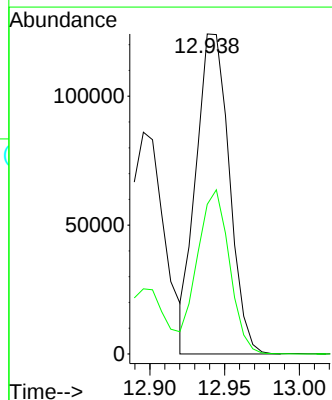
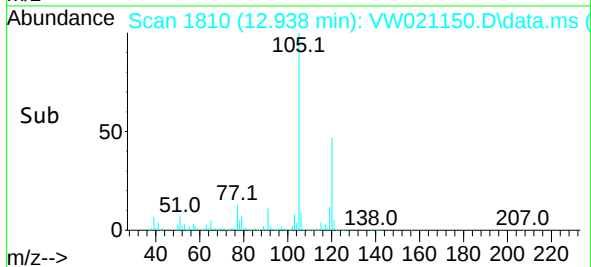
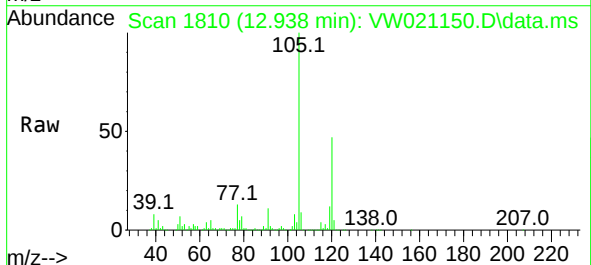


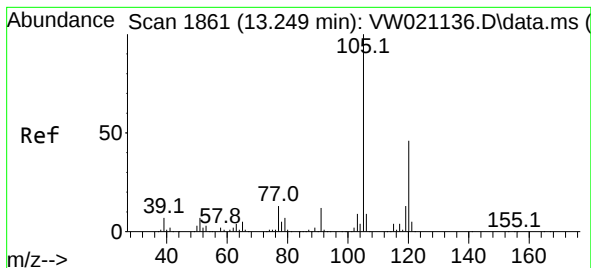
Tgt Ion:105 Resp: 83791
Ion Ratio Lower Upper
105 100
120 26.7 20.1 30.1
77 16.2 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 21.178 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Tgt Ion:105 Resp: 191878
Ion Ratio Lower Upper
105 100
120 49.3 37.4 56.2

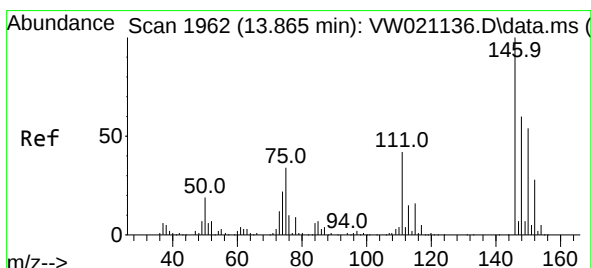
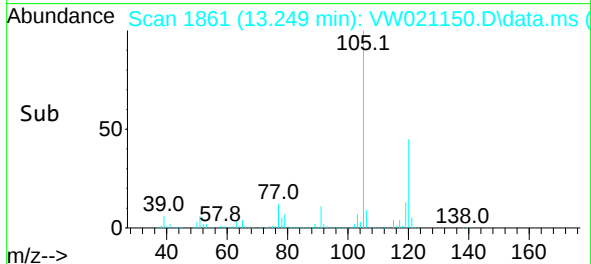
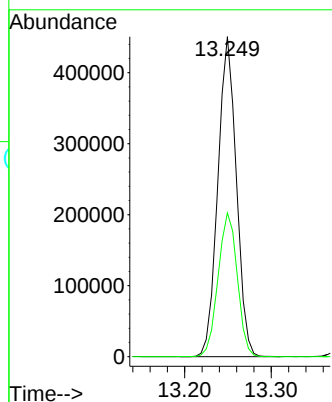
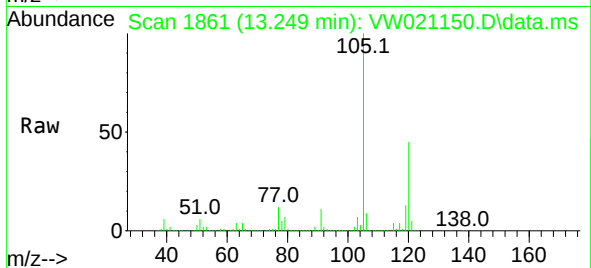




#63
1,2,4-Trimethylbenzene
Concen: 73.453 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

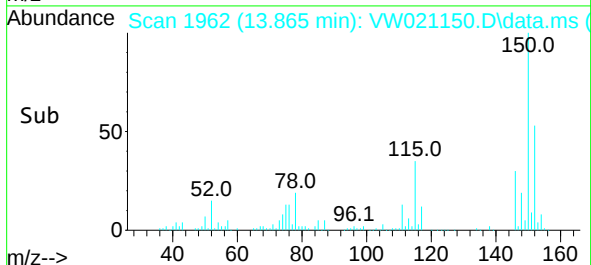
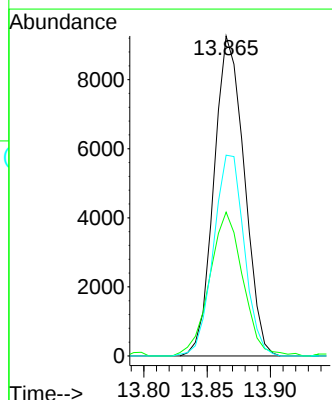
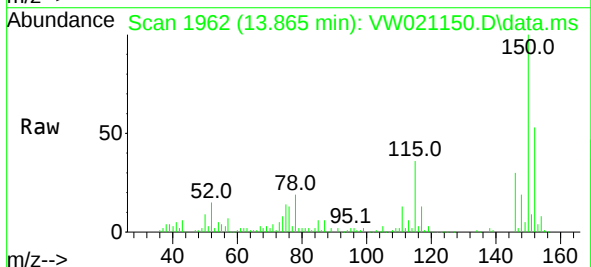
Instrument :
MSVOA_W
ClientSampleId :

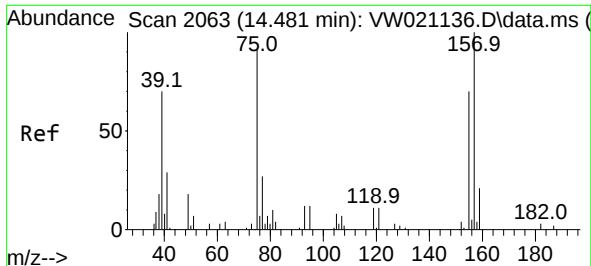
Tgt Ion:105 Resp: 669319
Ion Ratio Lower Upper
105 100
120 46.5 35.0 52.6



#67
1,2-Dichlorobenzene
Concen: 3.401 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

Tgt Ion:146 Resp: 15424
Ion Ratio Lower Upper
146 100
111 44.9 33.1 49.7
148 62.8 47.4 71.2





#68

1,2-Dibromo-3-chloropropane

Concen: 5.702 ug/L

RT: 14.450 min Scan# 2063

Delta R.T. -0.031 min

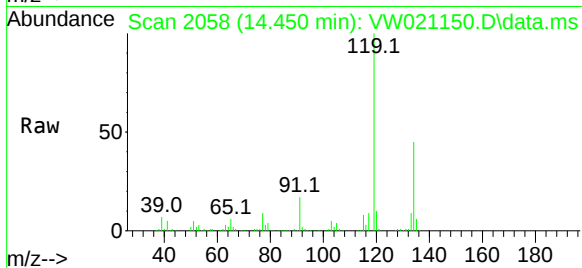
Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Instrument :

MSVOA_W

ClientSampleId :



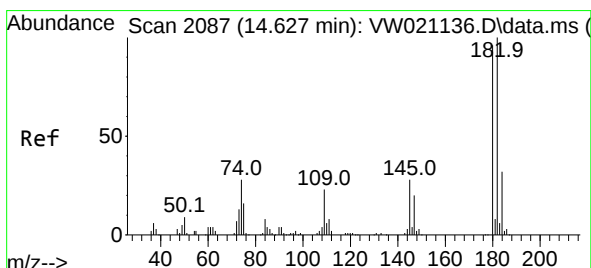
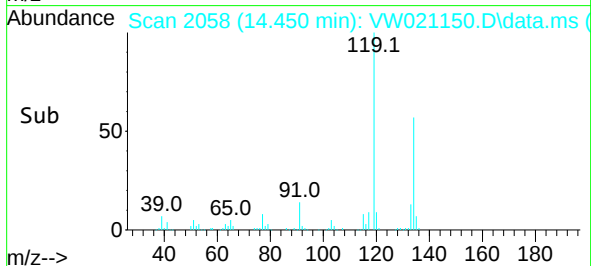
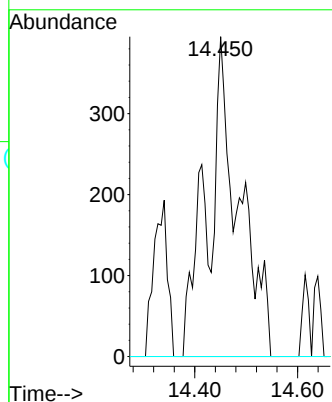
Tgt Ion: 75 Resp: 1679

Ion Ratio Lower Upper

75 100

155 0.0 54.2 81.2#

157 0.0 69.4 104.2#



#69

1,3,5-Trichlorobenzene

Concen: 7.626 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.500 min

Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Tgt Ion:180 Resp: 28549

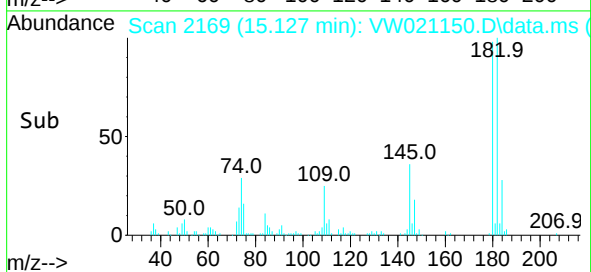
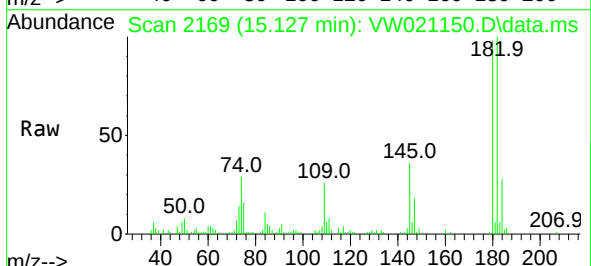
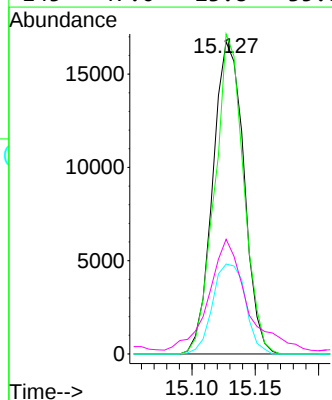
Ion Ratio Lower Upper

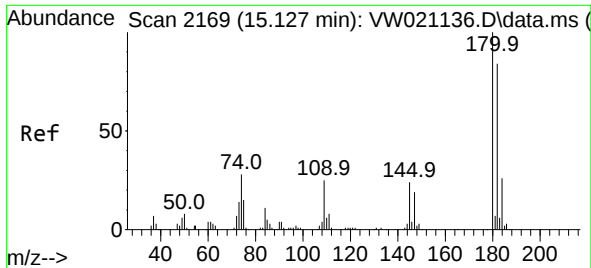
180 100

182 94.9 75.4 113.0

184 30.5 23.8 35.8

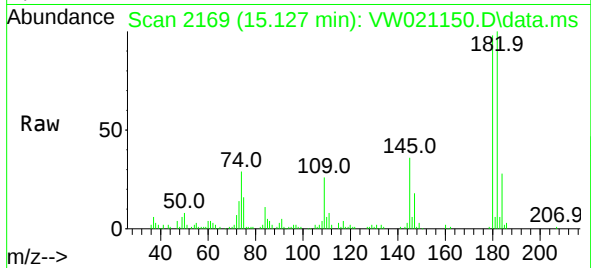
145 47.0 23.8 35.8#



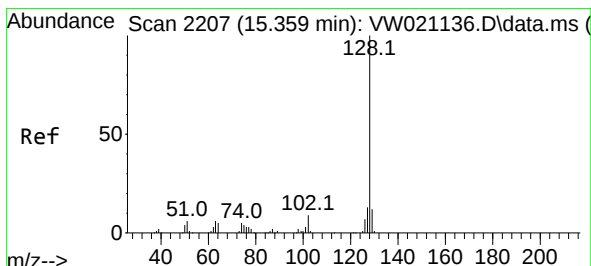
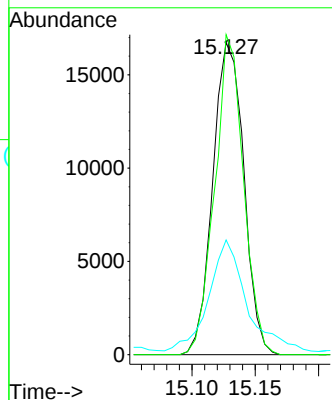
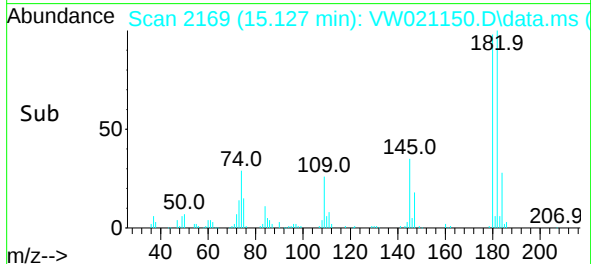


#70
1,2,4-trichlorobenzene
Concen: 9.280 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

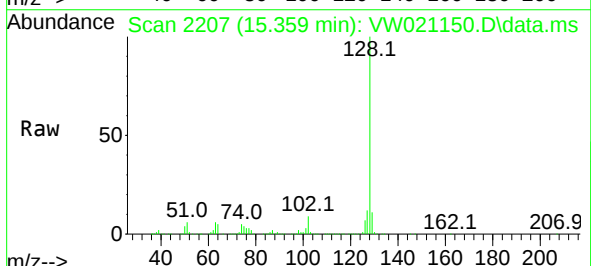
Instrument :
MSVOA_W
ClientSampleId :



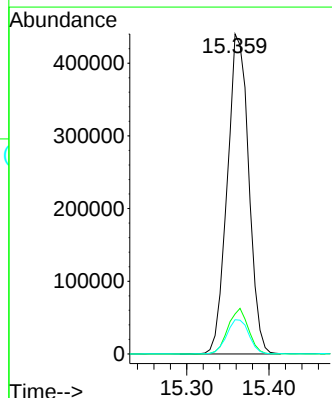
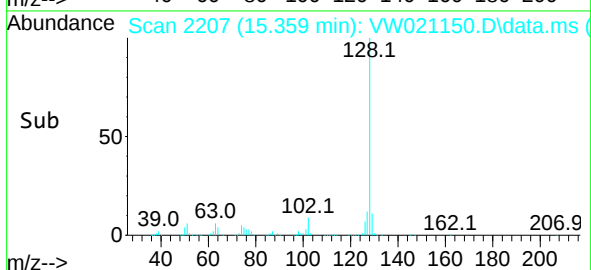
Tgt Ion:180 Resp: 28549
Ion Ratio Lower Upper
180 100
182 94.9 79.0 118.6
145 45.0 26.0 39.0#

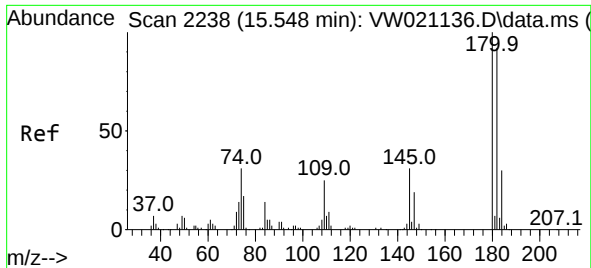


#71
Naphthalene
Concen: 139.514 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25



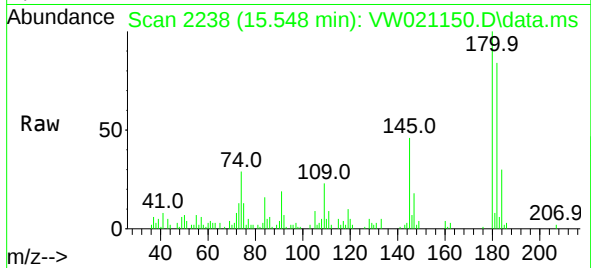
Tgt Ion:128 Resp: 797880
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.1 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 4.272 ug/L
 RT: 15.548 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW021150.D
 Acq: 05 Dec 2021 05:25

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 11470
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.6 114.8
 145 62.2 27.4 41.0#

