

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

Instrument :
 MSVOA_W
 ClientSampleId :
 BGKN9

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
27) 1,2-Dichloroethane		8.403	62	3240	1.674	ug/L	# 89
33) Benzene		8.323	78	63337	9.446	ug/L	100
35) Methylcyclohexane		9.335	83	2318	0.744	ug/L	# 48
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
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
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
70) 1,2,4-trichlorobenzene		15.127	180	28549	9.280	ug/L	# 92
72) 1,2,3-Trichlorobenzene		15.548	180	11470	4.272	ug/L	# 85

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

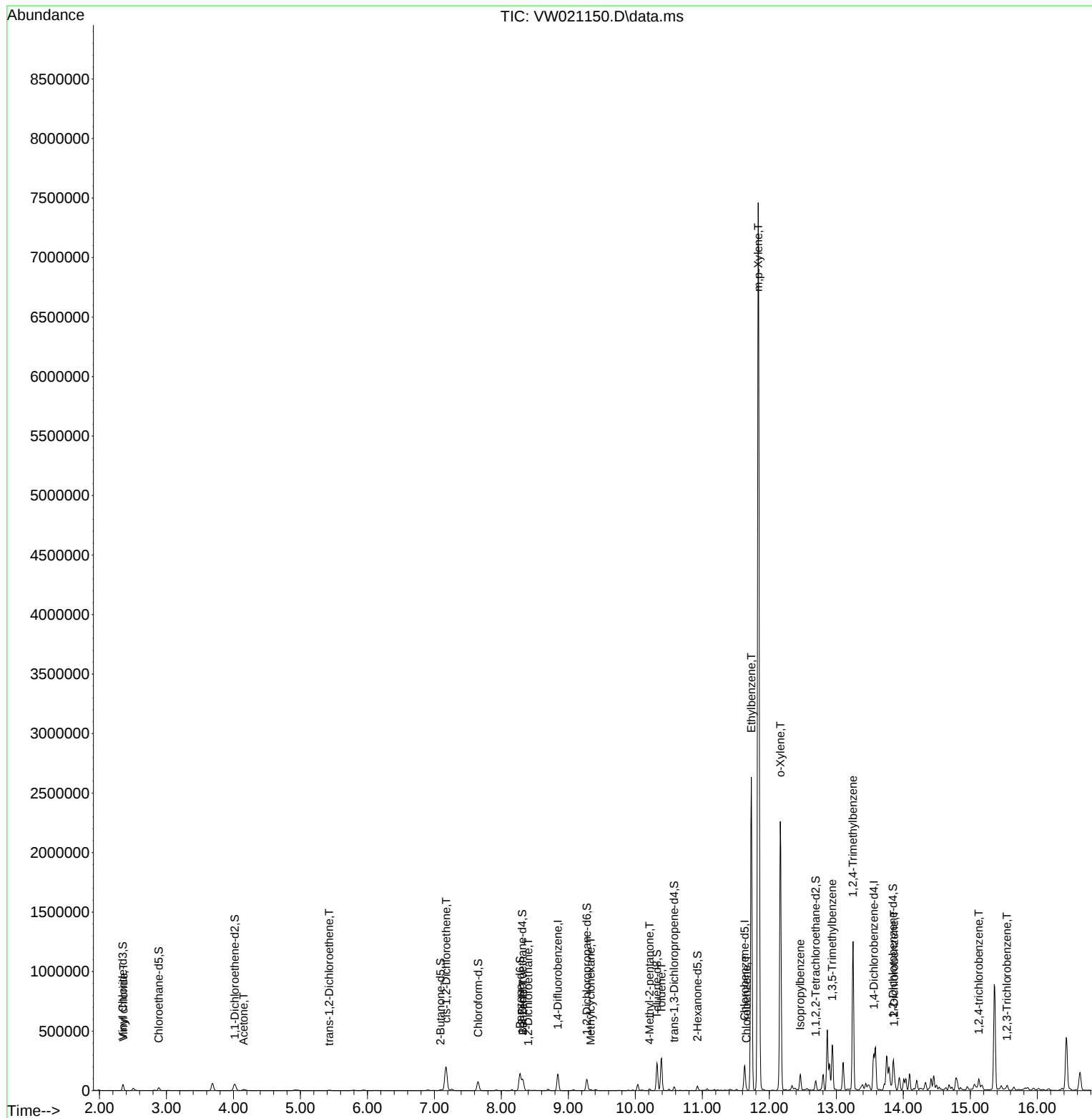
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

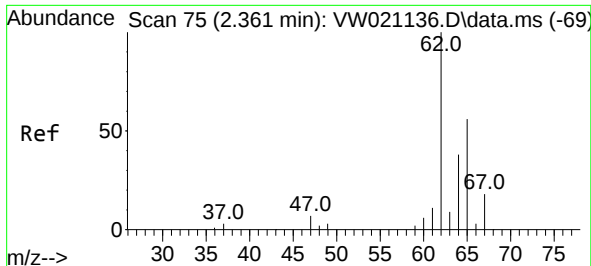
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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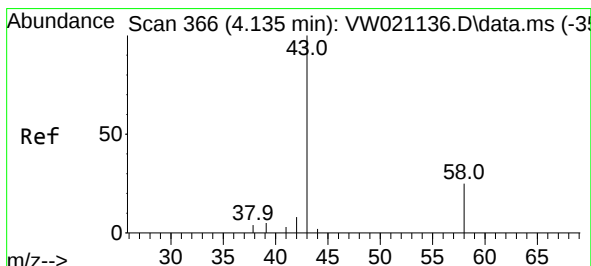
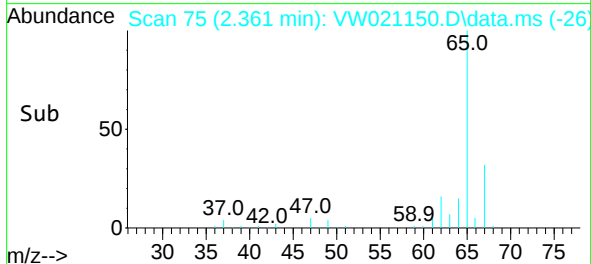
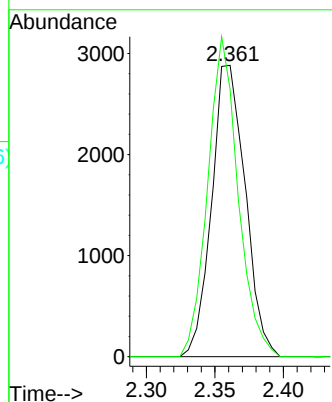
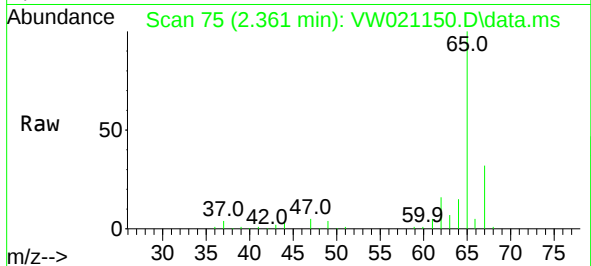




#5
 Vinyl chloride
 Concen: 2.151 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW021150.D
 Acq: 05 Dec 2021 05:25

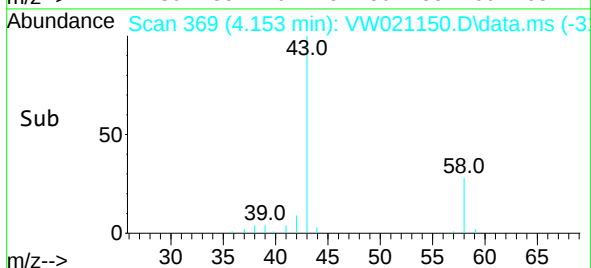
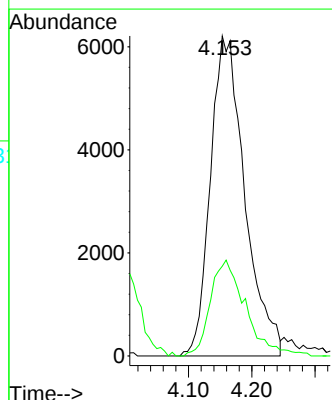
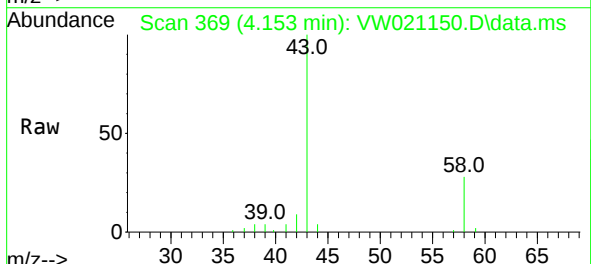
Instrument :
 MSVOA_W
 ClientSampleId :
 BGKN9

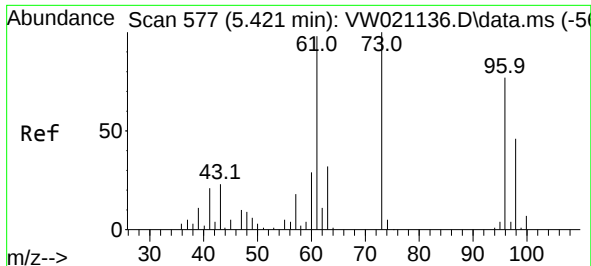
Tgt Ion: 62 Resp: 4914
 Ion Ratio Lower Upper
 62 100
 64 91.7 24.4 45.2#



#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

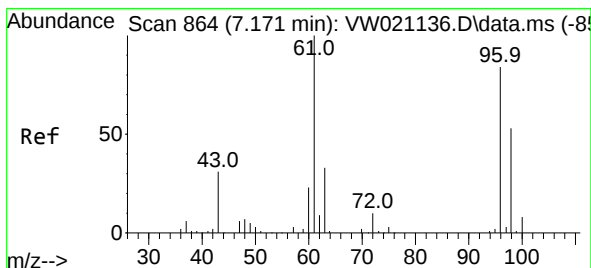
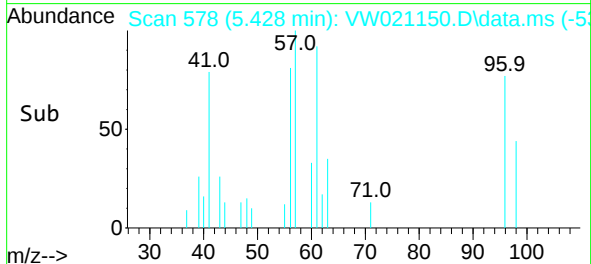
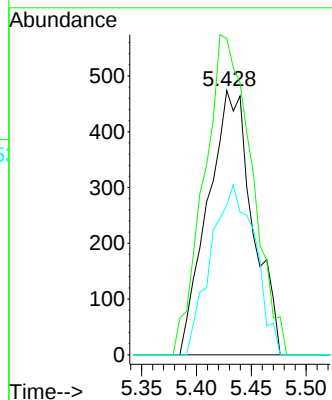
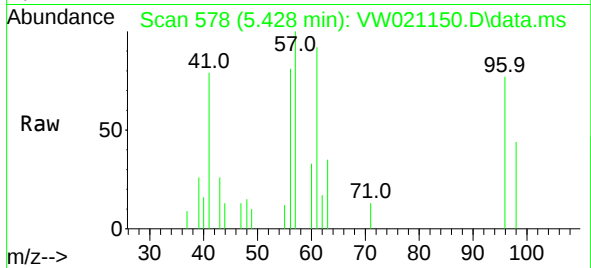




#17
trans-1,2-Dichloroethene
Concen: 0.809 ug/L
RT: 5.428 min Scan# 517
Delta R.T. -0.006 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

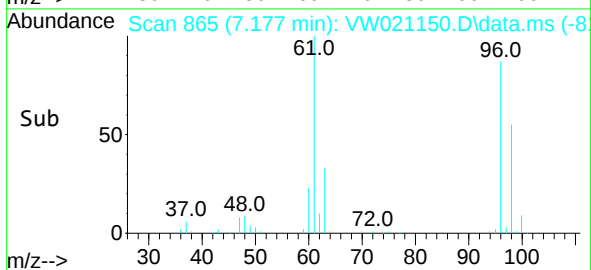
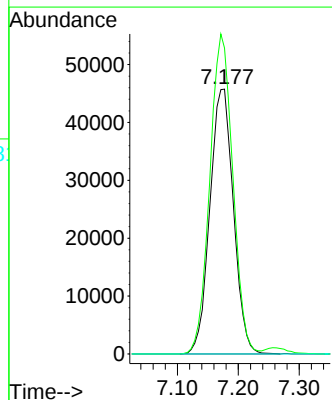
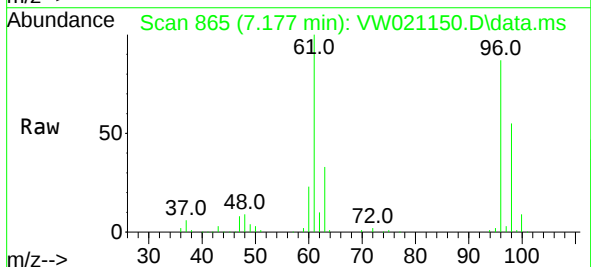
Instrument :
MSVOA_W
ClientSampleId :
BGKN9

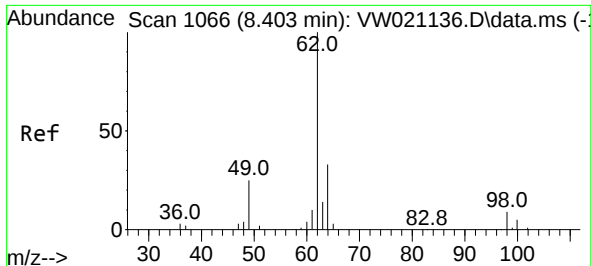
Tgt Ion: 96 Resp: 1345
Ion Ratio Lower Upper
96 100
61 119.6 107.4 199.4
98 56.5 41.2 76.6



#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





#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

Instrument :

MSVOA_W

ClientSampleId :

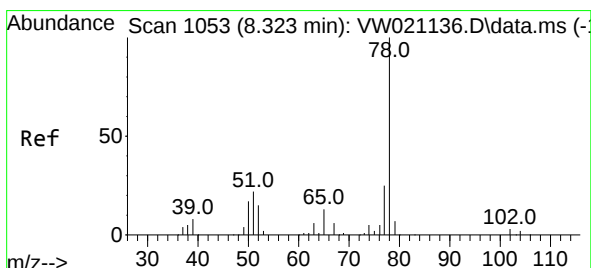
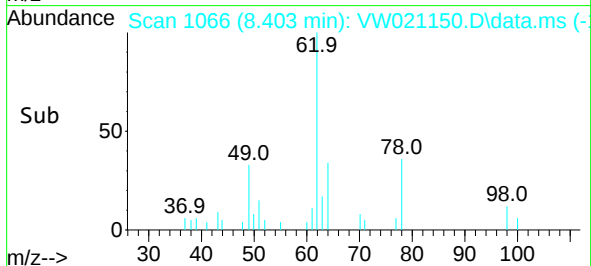
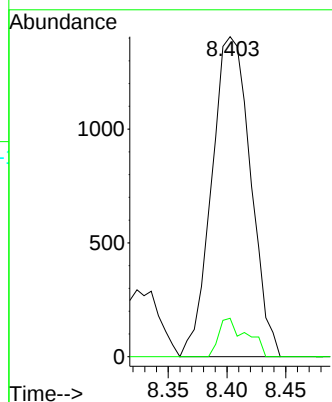
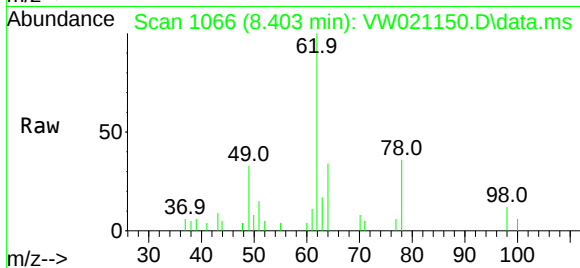
BGKN9

Tgt Ion: 62 Resp: 3240

Ion Ratio Lower Upper

62 100

98 12.0 6.5 9.7#



#33

Benzene

Concen: 9.446 ug/L

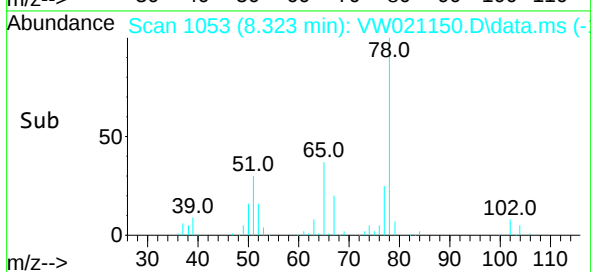
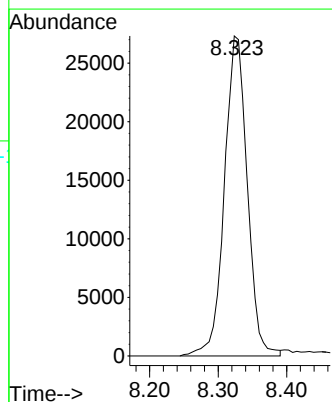
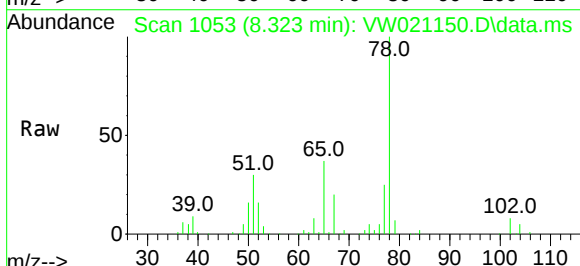
RT: 8.323 min Scan# 1053

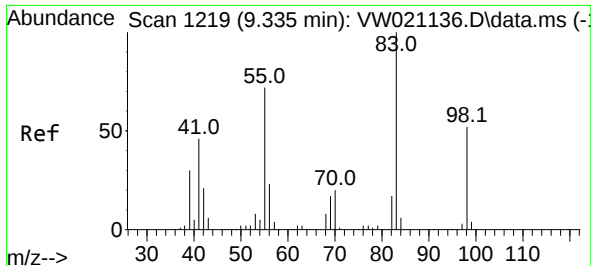
Delta R.T. -0.000 min

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# 1219

Delta R.T. -0.000 min

Lab File: VW021150.D

Acq: 05 Dec 2021 05:25

Instrument :

MSVOA_W

ClientSampleId :

BGKN9

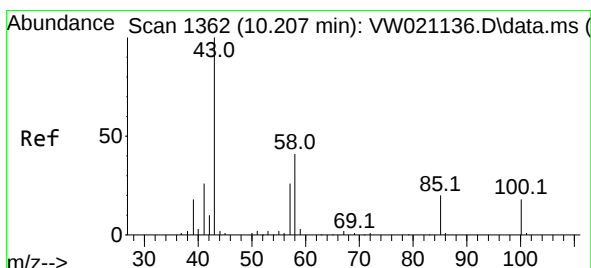
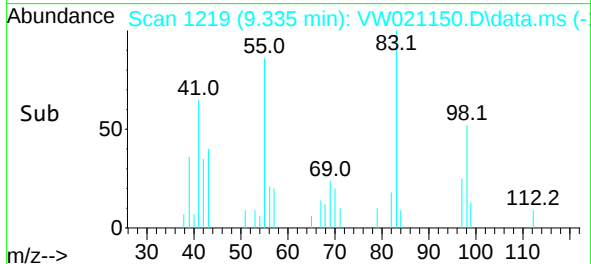
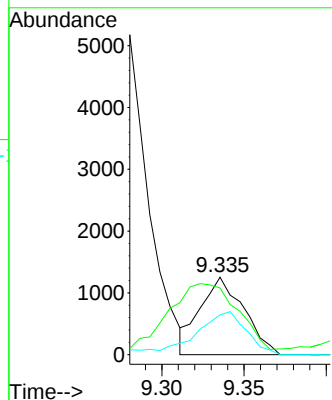
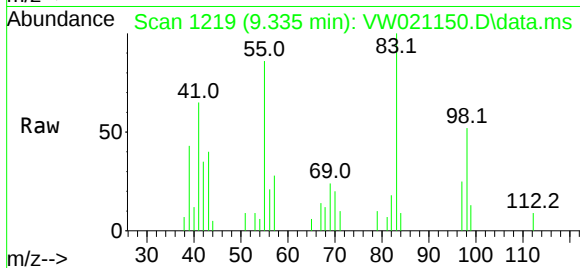
Tgt Ion: 83 Resp: 2318

Ion Ratio Lower Upper

83 100

55 152.2 70.8 106.2#

98 61.0 37.7 56.5#



#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

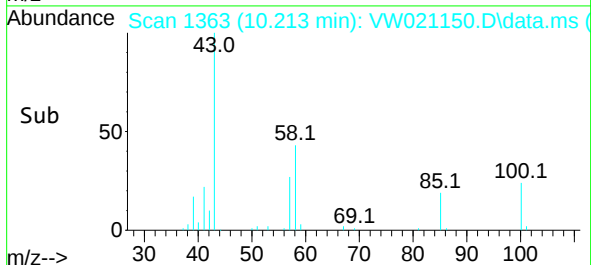
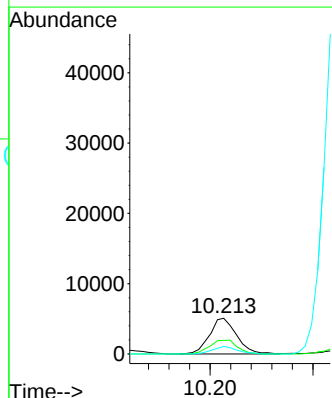
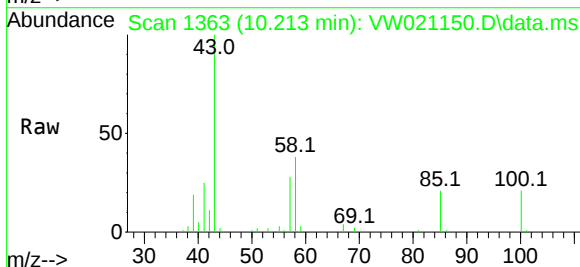
Tgt Ion: 43 Resp: 9303

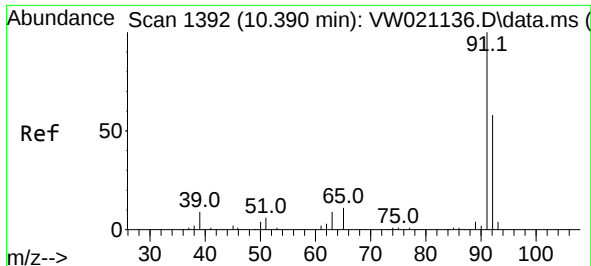
Ion Ratio Lower Upper

43 100

58 39.3 28.8 43.2

100 18.8 10.0 15.0#

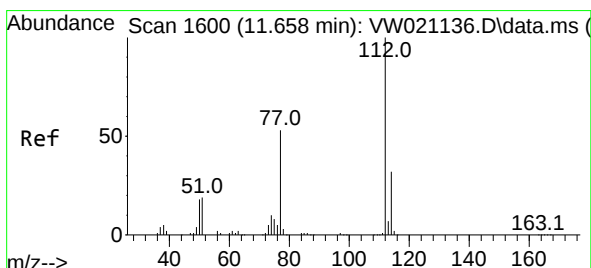
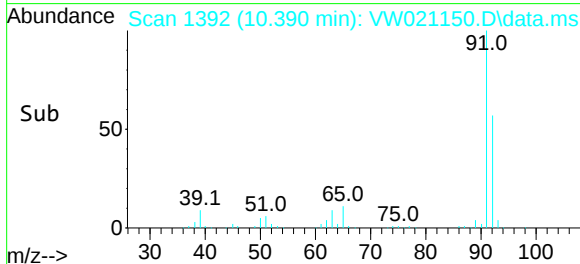
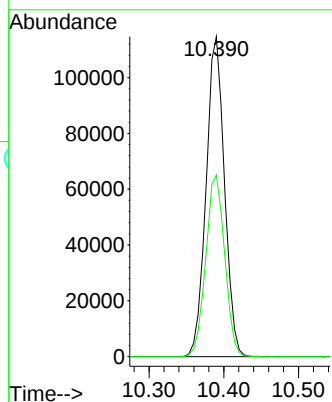
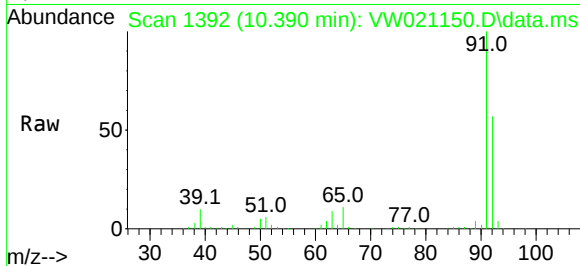




#42
Toluene
Concen: 25.531 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

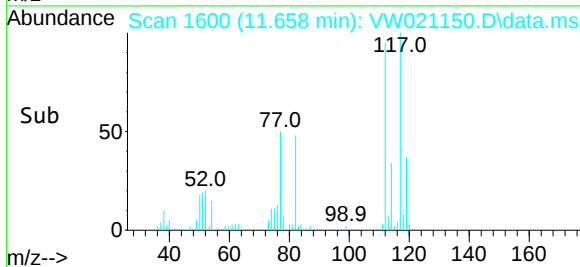
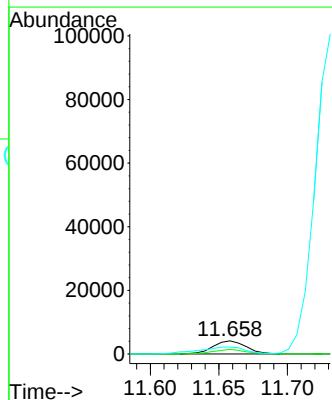
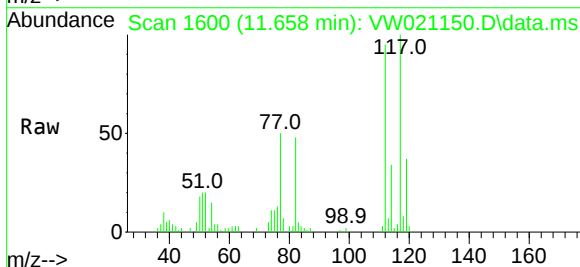
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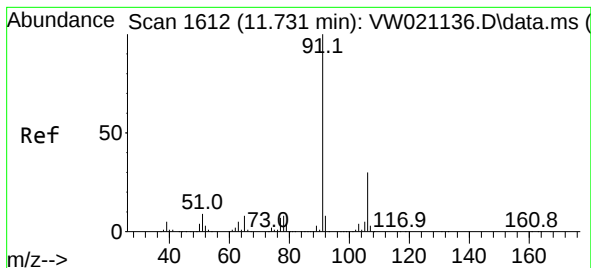
Tgt Ion: 91 Resp: 195533
Ion Ratio Lower Upper
91 100
92 56.8 41.7 77.5



#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

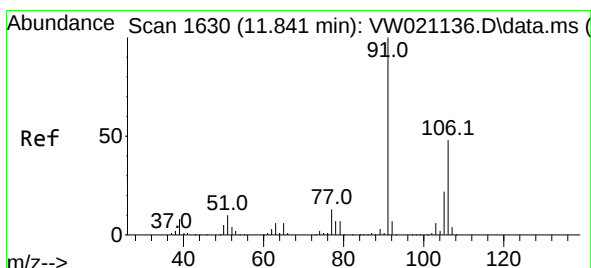
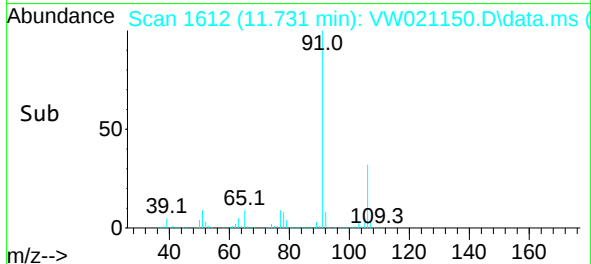
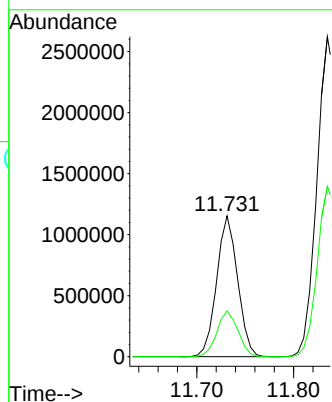
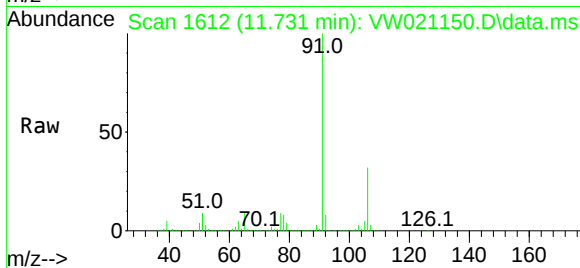




#52
Ethylbenzene
Concen: 201.141 ug/L
RT: 11.731 min Scan# 1162
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

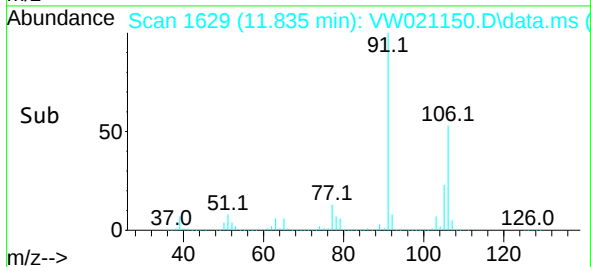
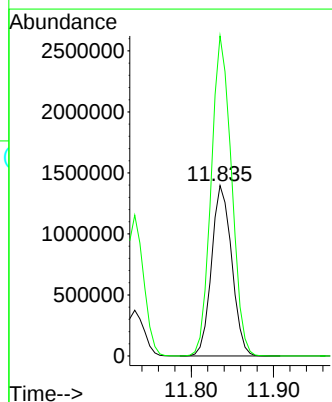
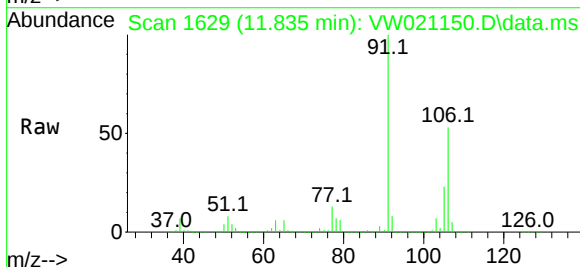
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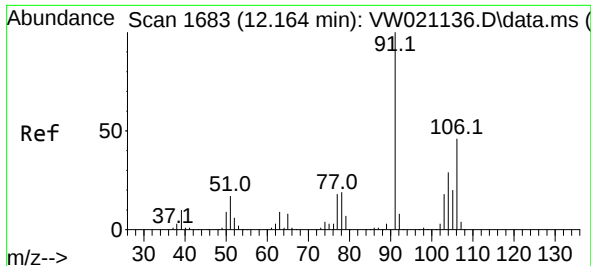
Tgt Ion: 91 Resp: 1734208
Ion Ratio Lower Upper
91 100
106 32.4 21.5 39.9



#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

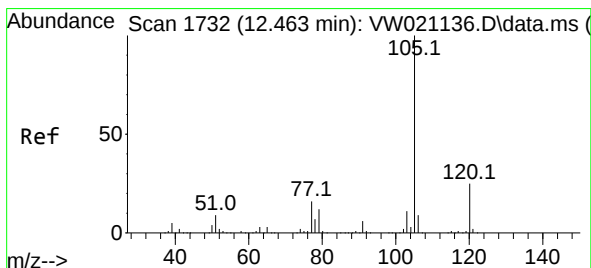
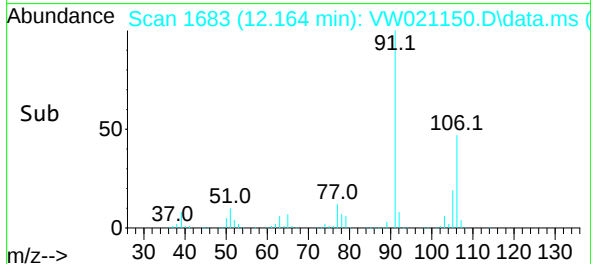
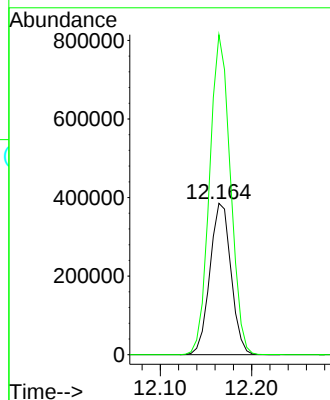
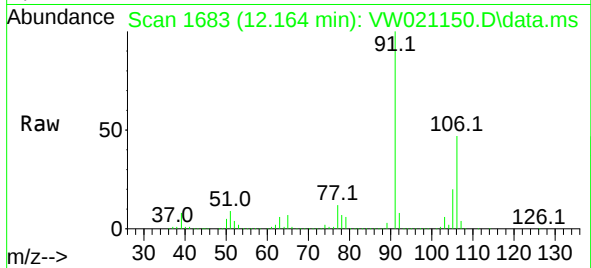




#54
o-Xylene
Concen: 184.082 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

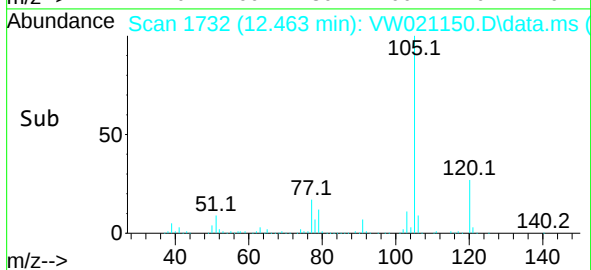
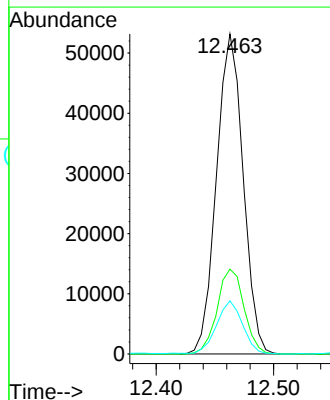
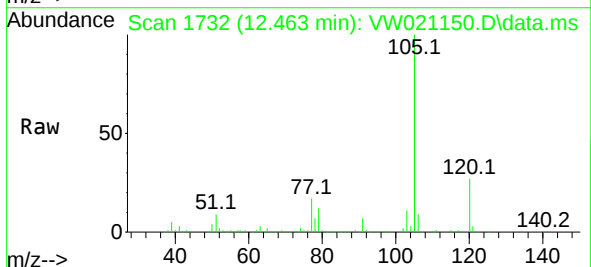
Instrument :
MSVOA_W
ClientSampleId :
BGKN9

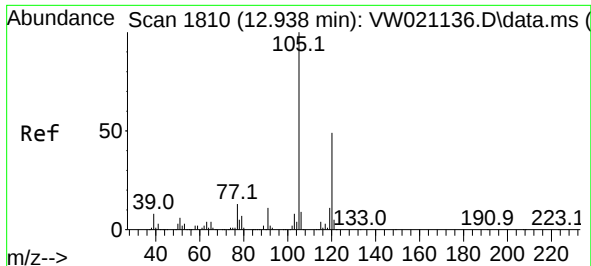
Tgt Ion:106 Resp: 619034
Ion Ratio Lower Upper
106 100
91 211.4 153.6 285.3



#60
Isopropylbenzene
Concen: 7.745 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021150.D
Acq: 05 Dec 2021 05:25

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

Instrument :

MSVOA_W

ClientSampleId :

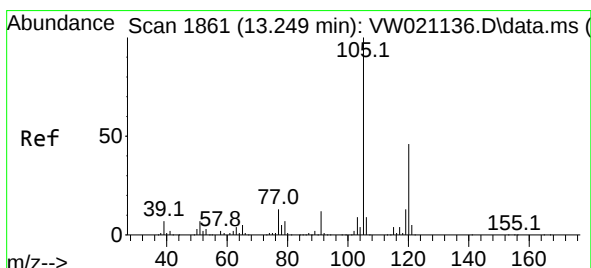
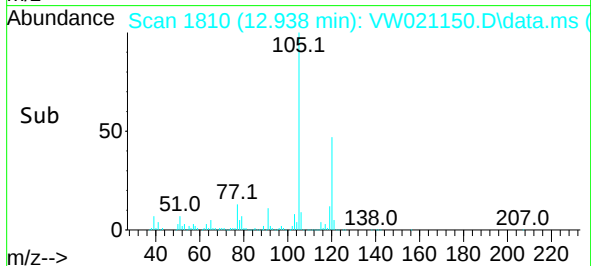
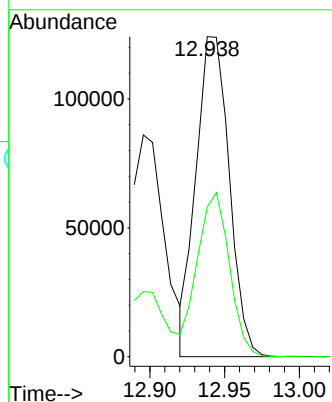
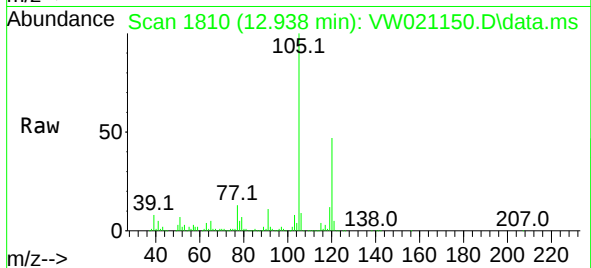
BGKN9

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

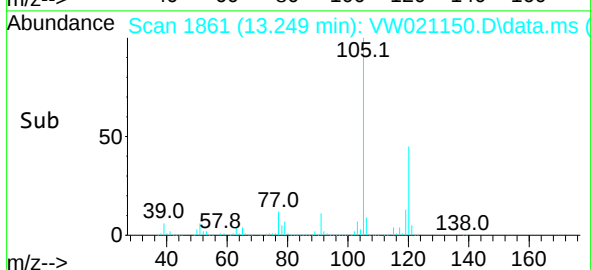
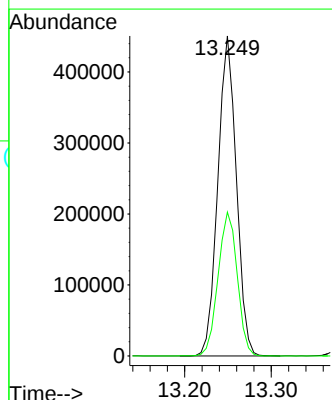
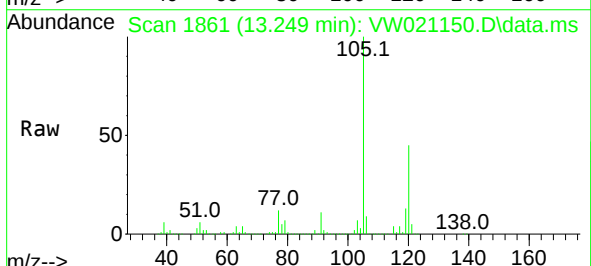
Acq: 05 Dec 2021 05:25

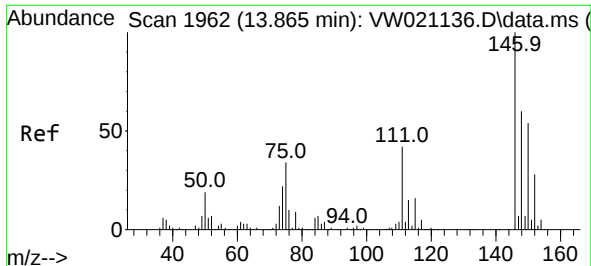
Tgt Ion:105 Resp: 669319

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

Instrument :

MSVOA_W

ClientSampleId :

BGKN9

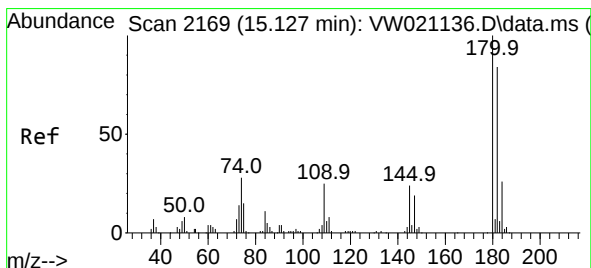
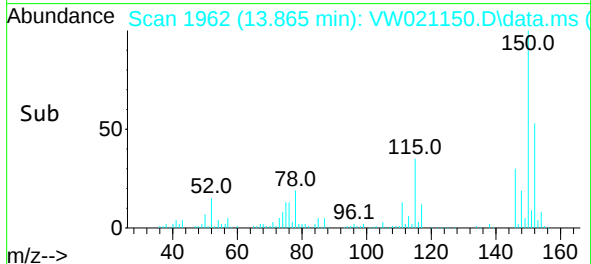
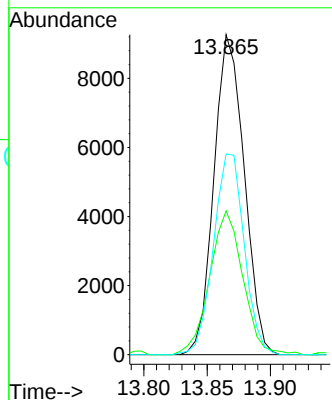
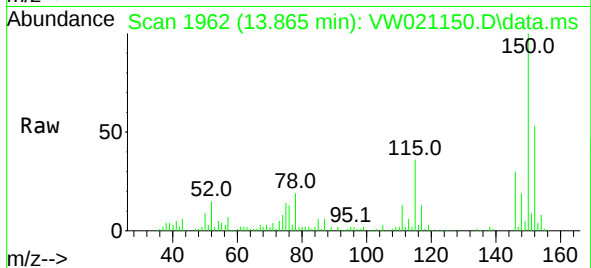
Tgt Ion:146 Resp: 15424

Ion Ratio Lower Upper

146 100

111 44.9 33.1 49.7

148 62.8 47.4 71.2



#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

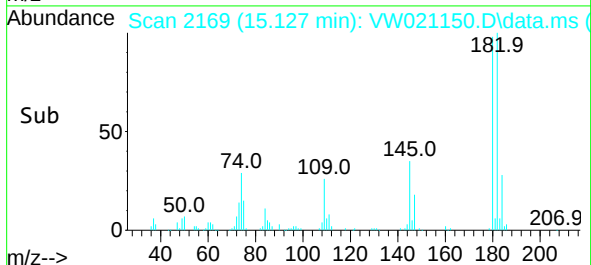
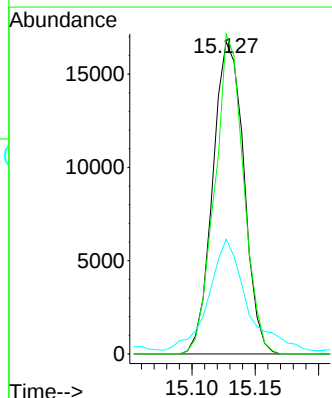
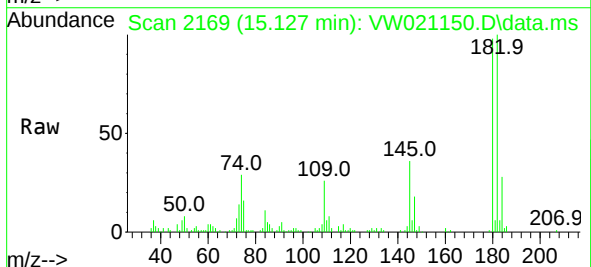
Tgt Ion:180 Resp: 28549

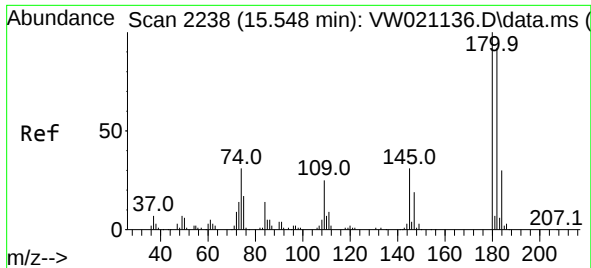
Ion Ratio Lower Upper

180 100

182 94.9 79.0 118.6

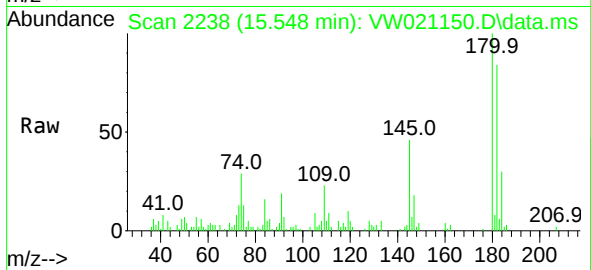
145 45.0 26.0 39.0#





#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 :
 BGKN9



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#

