

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050321\
 Data File : VW018909.D
 Acq On : 03 May 2021 19:21
 Operator : SY/VA
 Sample : M2209-20
 Misc : 4.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG7F6

Manual Integrations
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 5/4/2021 5:37:27 PM

Quant Time: May 04 01:19:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 04 01:15:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	553387	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	374787	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	126503	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	163689	23.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.24%			
7) Chloroethane-d5	2.891	69	124917	22.71	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.84%			
11) 1,1-Dichloroethene-d2	4.025	63	247120	17.53	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.12%			
21) 2-Butanone-d5	7.086	46	67739	36.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.26%			
24) Chloroform-d	7.647	84	318609	21.94	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.76%			
26) 1,2-Dichloroethane-d4	8.305	65	171077	21.09	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 84.36%			
32) Benzene-d6	8.275	84	627985	29.65	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 118.60%			
36) 1,2-Dichloropropane-d6	9.274	67	178911	28.48	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 113.92%			
41) Toluene-d8	10.323	98	537675	27.22	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 108.88%			
43) trans-1,3-Dichloroprop...	10.579	79	62968	22.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.24%			
47) 2-Hexanone-d5	10.945	63	12852	11.43	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 22.86%			
56) 1,1,2,2-Tetrachloroeth...	12.695	84	104414	19.61	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 78.44%			
66) 1,2-Dichlorobenzene-d4	13.853	152	96444	22.25	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.00%			
Target Compounds						
5) Vinyl chloride	2.361	62	4761	0.59	ug/L #	1
12) 1,1-Dichloroethene	4.050	96	42562	5.94	ug/L #	8
13) Acetone	4.135	43	21444	15.14	ug/L	91
14) Carbon disulfide	4.391	76	240461	11.33	ug/L	97
16) Methylene chloride	4.922	84	32589	3.56	ug/L	92
18) Methyl tert-butyl Ether	5.428	73	48284	4.55	ug/L #	76
20) cis-1,2-Dichloroethene	7.171	96	44420	5.47	ug/L	95
33) Benzene	8.323	78	331463	14.77	ug/L	100
34) Trichloroethene	9.092	95	6152282	1027.67	ug/L	94
42) Toluene	10.390	91	19210	0.78	ug/L	95
46) Tetrachloroethene	10.860	164	19028528m	4226.86	ug/L	
53) m,p-Xylene	11.835	106	10181	1.00	ug/L	73
54) o-Xylene	12.164	106	5849	0.60	ug/L	85
60) Isopropylbenzene	12.463	105	5915m	0.33	ug/L	
62) 1,3,5-Trimethylbenzene	12.945	105	44494	2.95	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	133561	8.86	ug/L	98
65) 1,4-Dichlorobenzene	13.579	146	17287	2.25	ug/L	93
67) 1,2-Dichlorobenzene	13.871	146	23299	3.38	ug/L	94

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

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

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

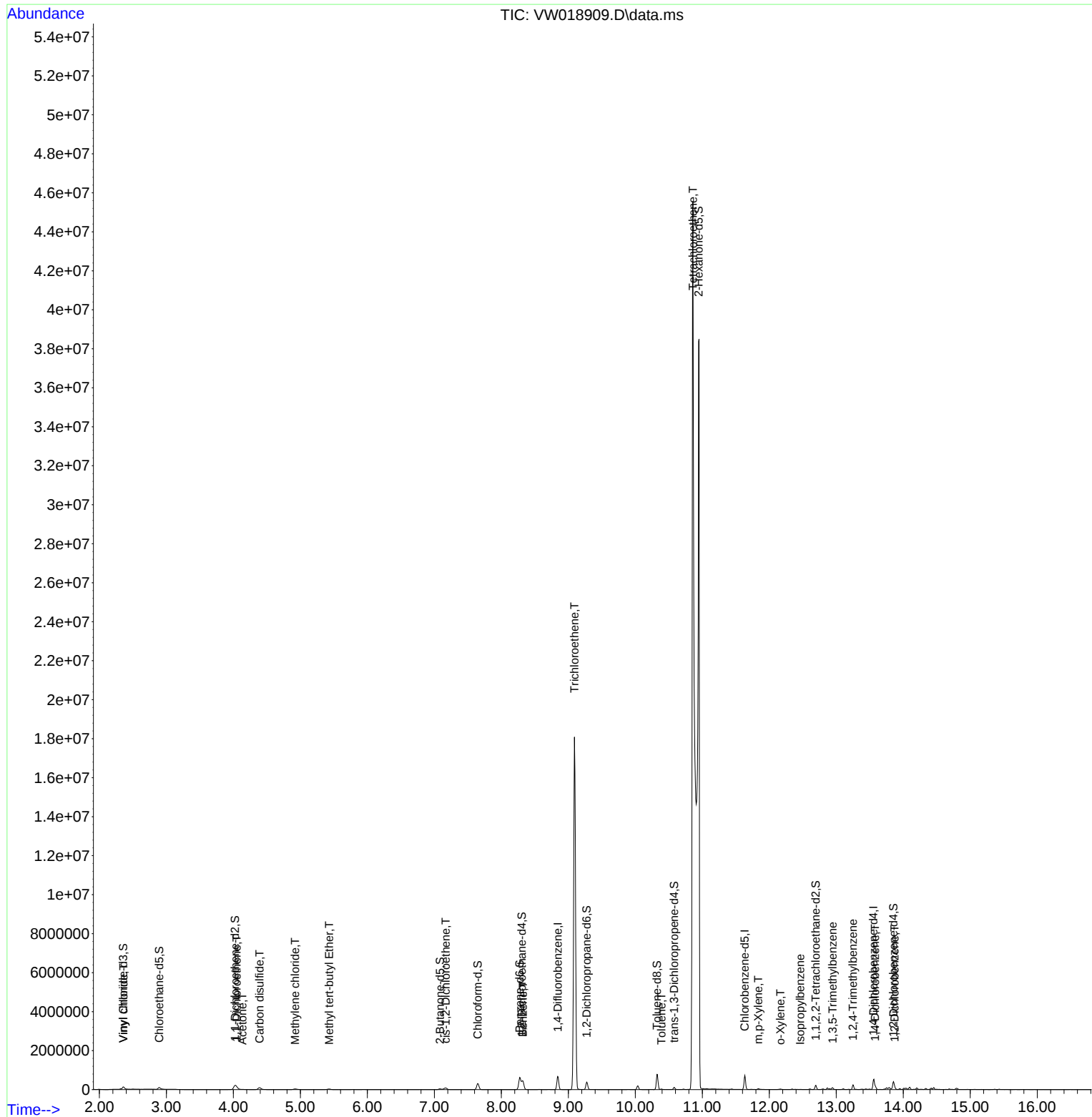
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050321\
Data File : VW018909.D
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Operator : SY/VA
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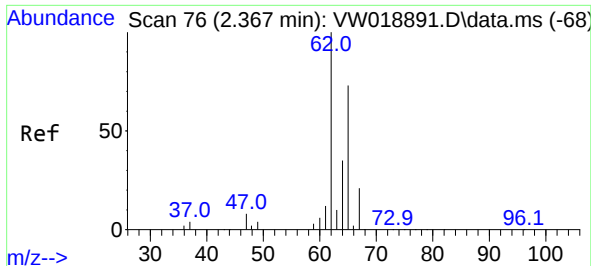
Instrument :
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ClientSampleId :
BG7F6

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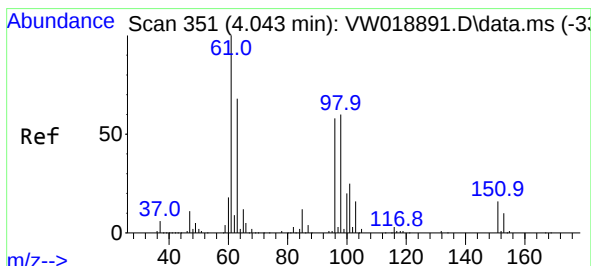
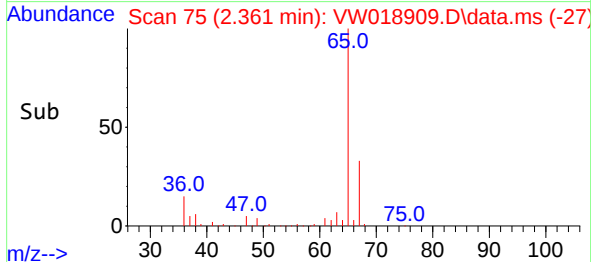
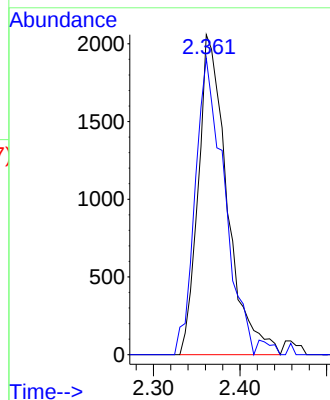
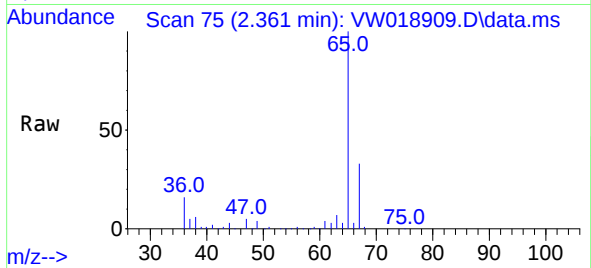
#5
 Vinyl chloride
 Concen: 0.59 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW018909.D
 Acq: 03 May 2021 19:21

Tgt Ion: 62 Resp: 4761
 Ion Ratio Lower Upper
 62 100
 64 92.7 24.2 45.0#

Instrument :
 MSVOA_W
 ClientSampled :
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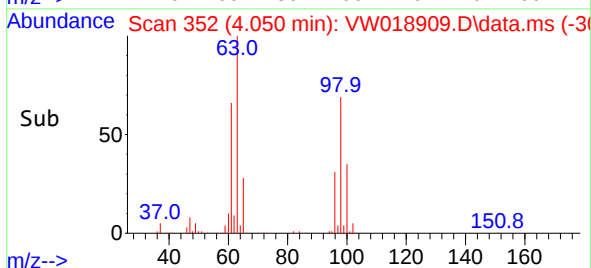
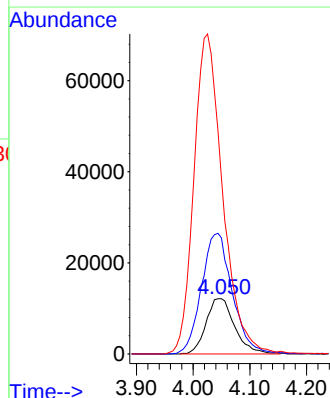
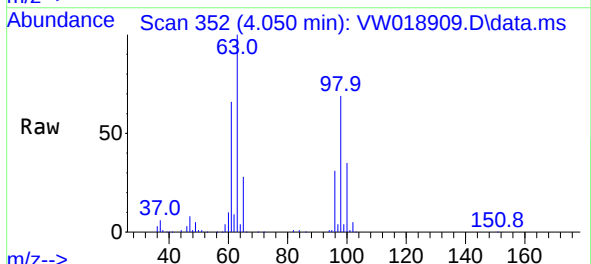
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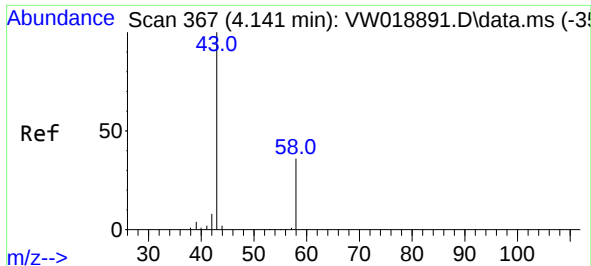
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#12
 1,1-Dichloroethene
 Concen: 5.94 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. 0.006 min
 Lab File: VW018909.D
 Acq: 03 May 2021 19:21

Tgt Ion: 96 Resp: 42562
 Ion Ratio Lower Upper
 96 100
 61 209.9 118.1 219.3
 63 317.7 83.7 155.5#





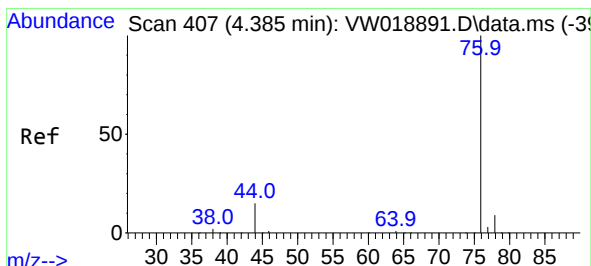
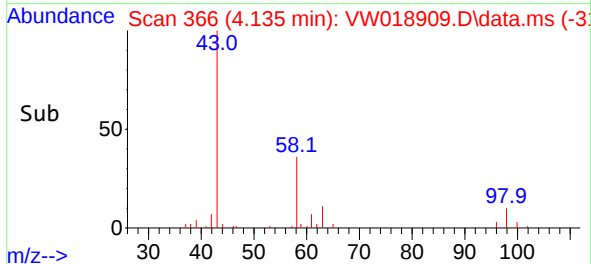
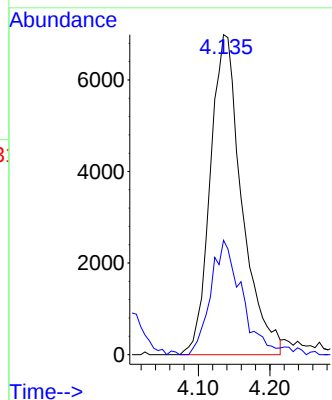
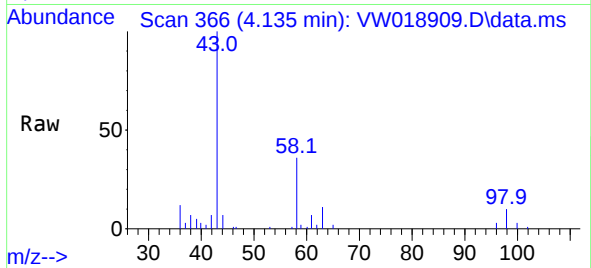
#13
Acetone
Concen: 15.14 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion: 43 Resp: 21444
Ion Ratio Lower Upper
43 100
58 31.8 0.0 53.8

Instrument :
MSVOA_W
ClientSampled :
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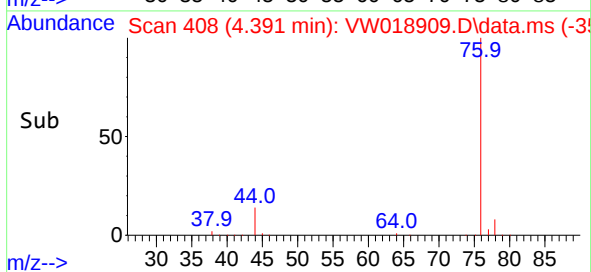
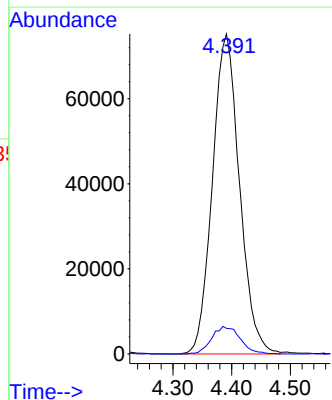
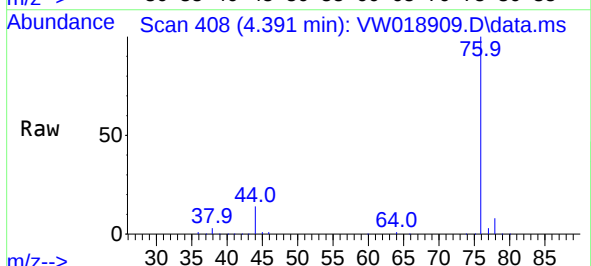
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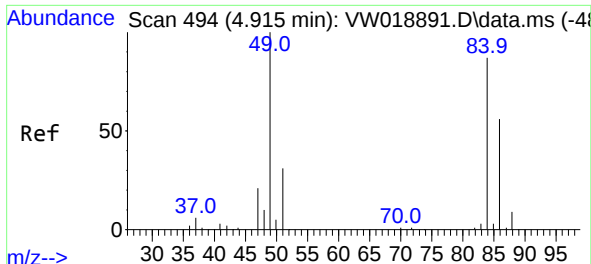
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#14
Carbon disulfide
Concen: 11.33 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

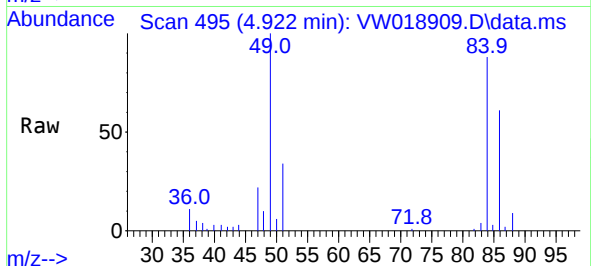
Tgt Ion: 76 Resp: 240461
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0





#16
Methylene chloride
Concen: 3.56 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Instrument :
MSVOA_W
ClientSampled :
BG7F6

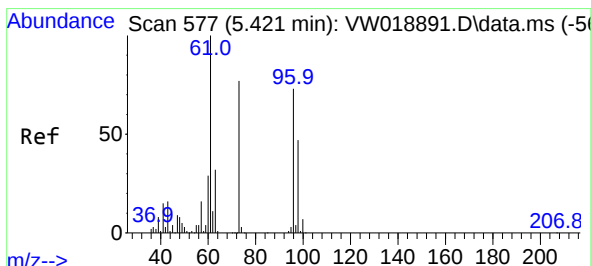
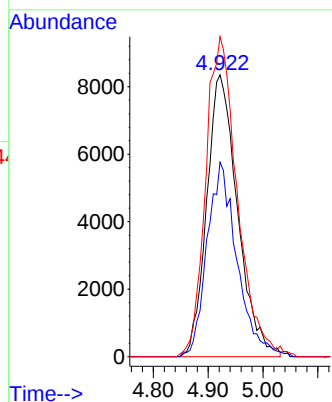


Tgt Ion: 84 Resp: 32589

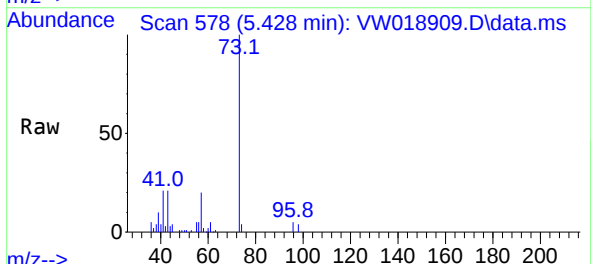
Ion	Ratio	Lower	Upper
84	100		
86	69.0	45.3	84.1
49	113.5	86.6	160.8

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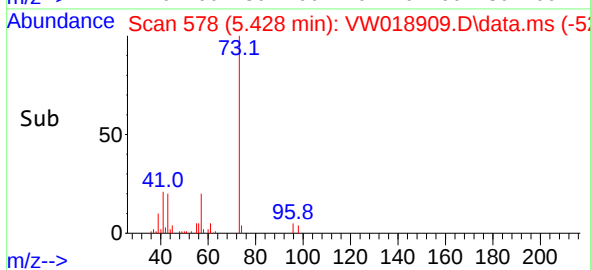
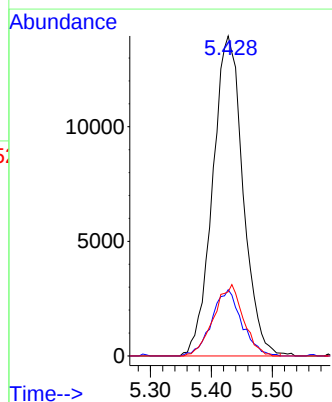


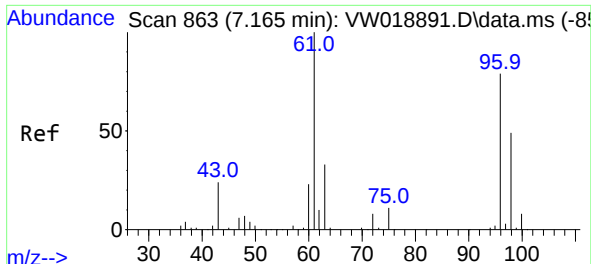
#18
Methyl tert-butyl Ether
Concen: 4.55 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



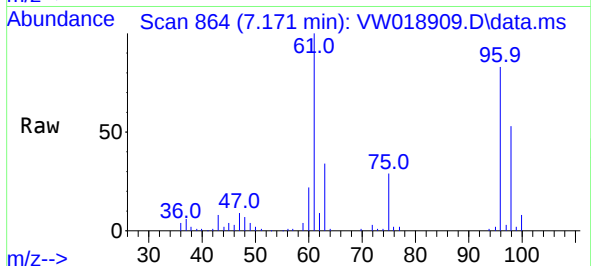
Tgt Ion: 73 Resp: 48284

Ion	Ratio	Lower	Upper
73	100		
43	20.5	17.7	26.5
57	0.0	17.0	25.4

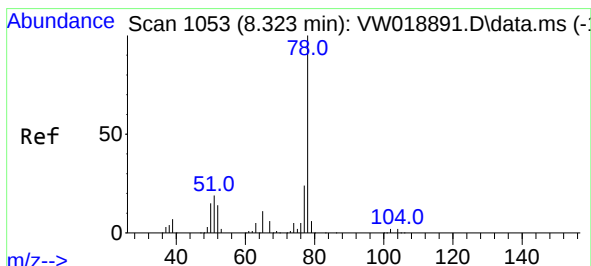
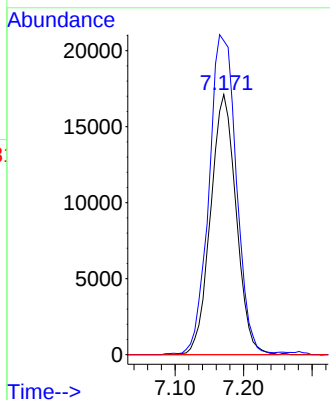
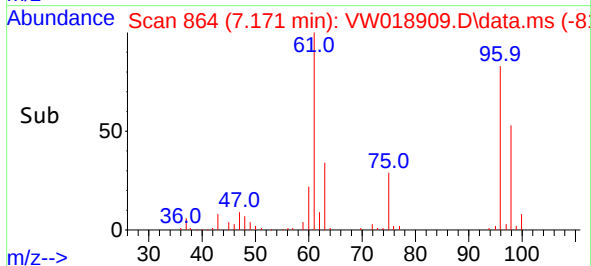




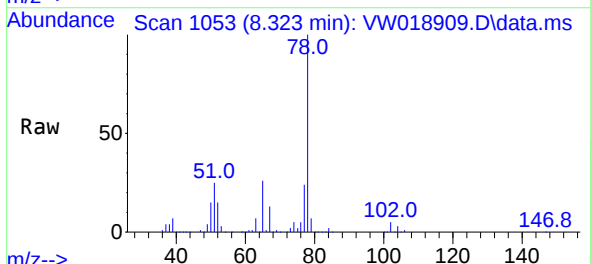
#20
cis-1,2-Dichloroethene
Concen: 5.47 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



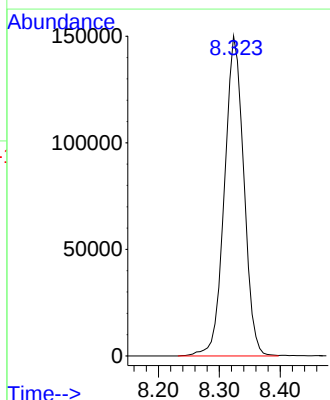
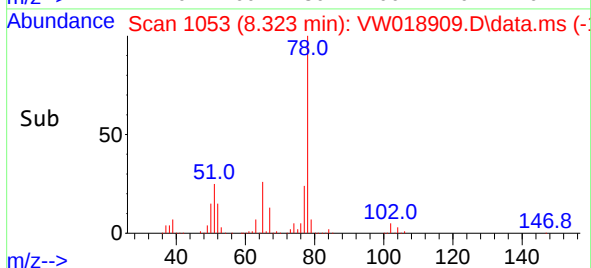
Tgt Ion: 96 Resp: 44420
Ion Ratio Lower Upper
96 100
61 120.7 88.5 164.3
68 0.0 0.0 0.0



#33
Benzene
Concen: 14.77 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



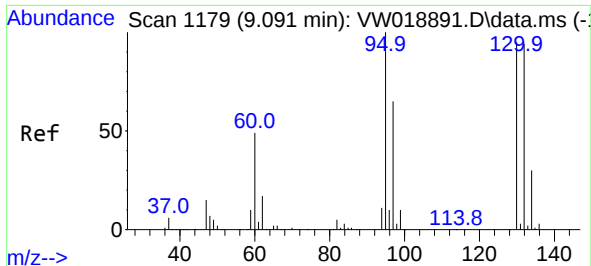
Tgt Ion: 78 Resp: 331463



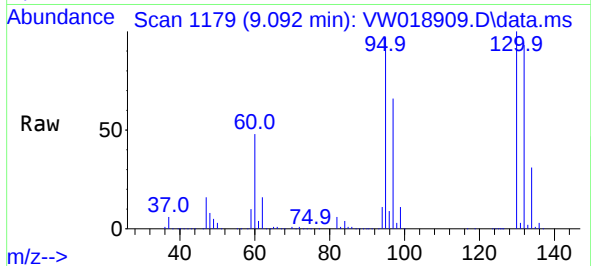
Instrument :
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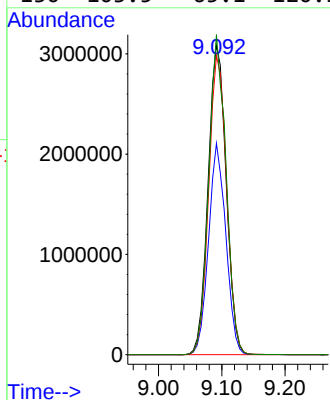


#34
Trichloroethene
Concen: 1027.67 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



Tgt Ion: 95 Resp: 6152282

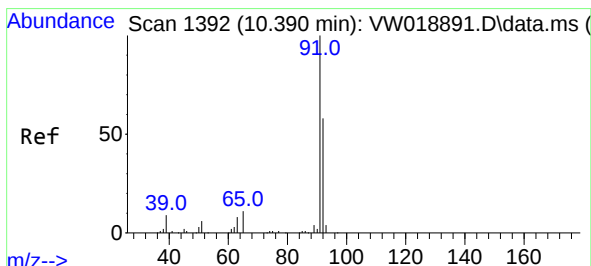
Ion	Ratio	Lower	Upper
95	100		
97	68.3	47.3	87.8
132	96.7	71.0	131.8
130	103.5	65.1	120.9



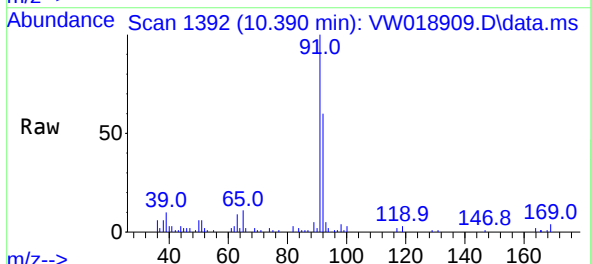
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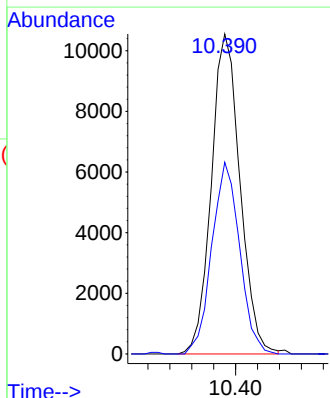
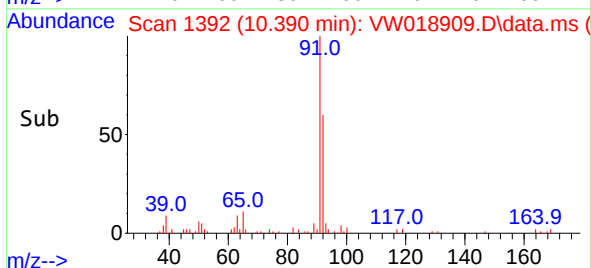


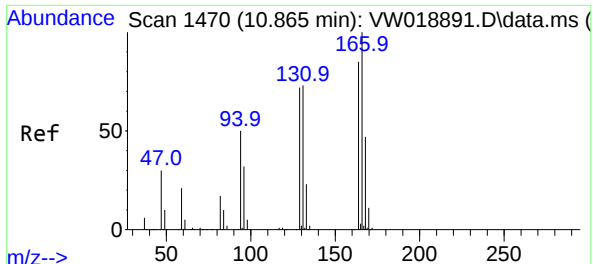
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Toluene
Concen: 0.78 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
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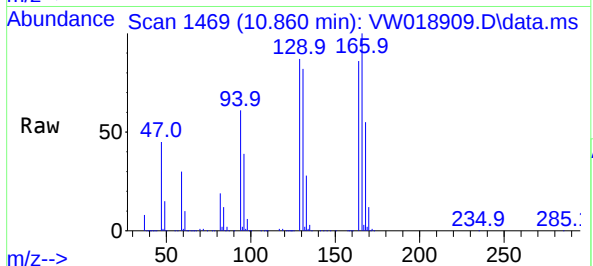
Tgt Ion: 91 Resp: 19210

Ion	Ratio	Lower	Upper
91	100		
92	59.9	39.5	73.3

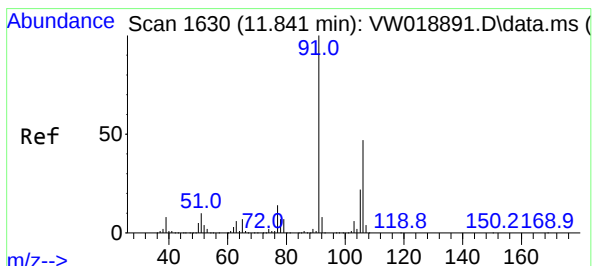
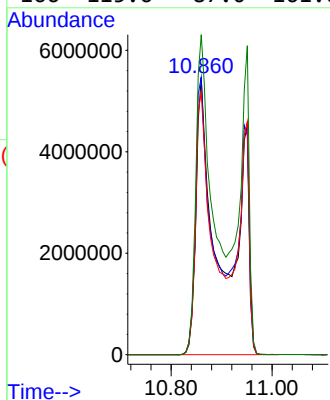
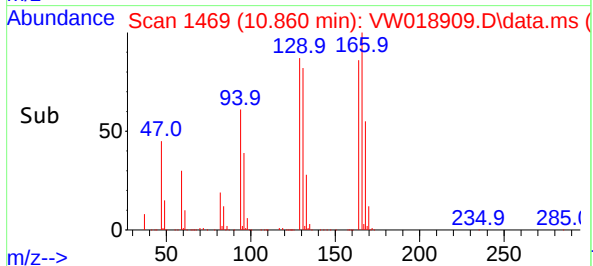




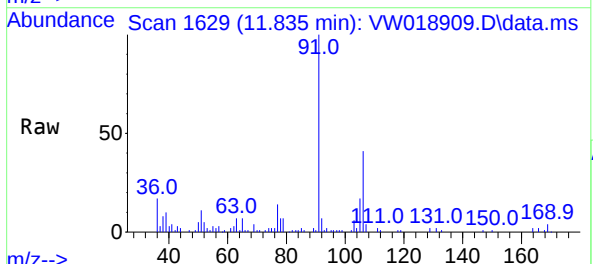
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Tetrachloroethene
Concen: 4226.86 ug/L m
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



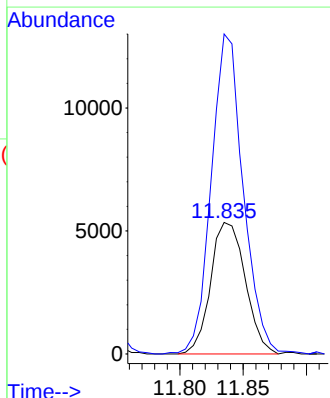
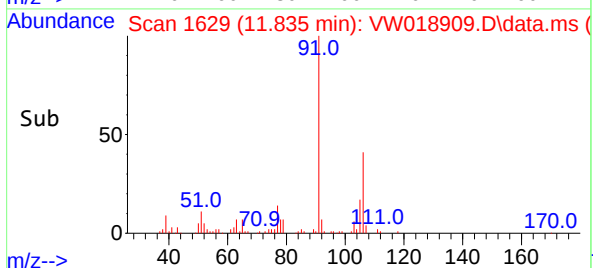
Tgt Ion:164 Resp:19028528
Ion Ratio Lower Upper
164 100
129 100.3 66.7 123.9
131 94.5 61.1 113.5
166 115.6 87.0 161.6



#53
m,p-Xylene
Concen: 1.00 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



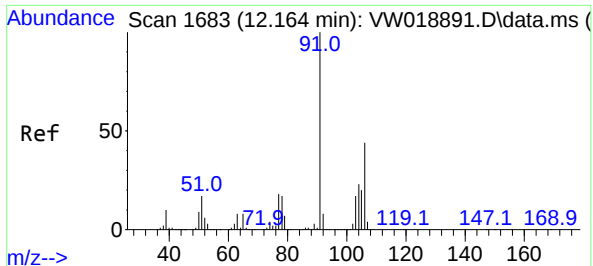
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Ion Ratio Lower Upper
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91 243.3 141.3 262.3



Instrument :
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ClientSampled :
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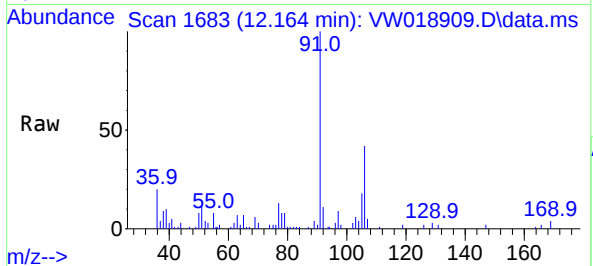
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#54
o-Xylene
Concen: 0.60 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

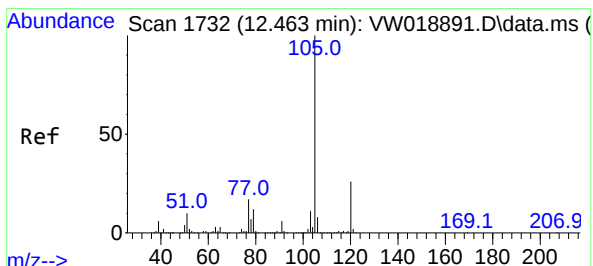
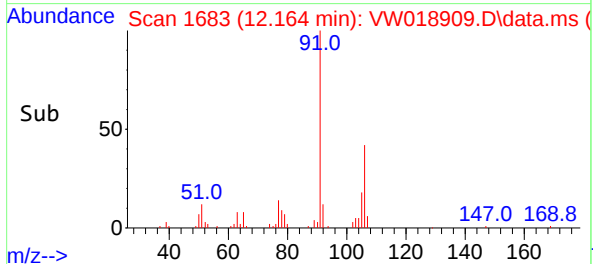
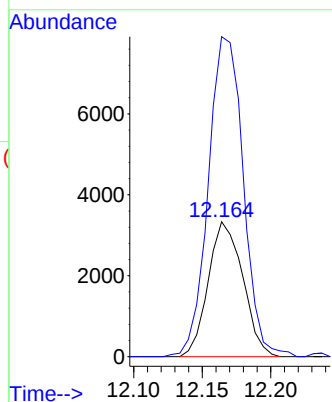
Instrument :
MSVOA_W
ClientSampled :
BG7F6



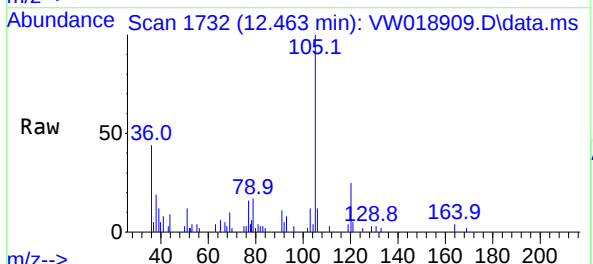
Tgt Ion:106 Resp: 5849
Ion Ratio Lower Upper
106 100
91 237.3 150.0 278.6

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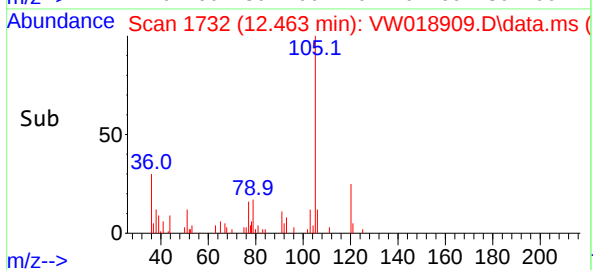
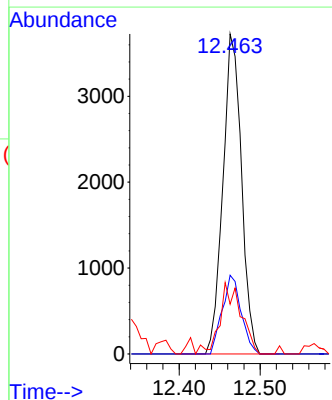
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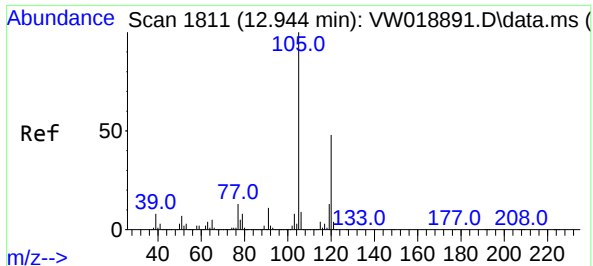


#60
Isopropylbenzene
Concen: 0.33 ug/L m
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



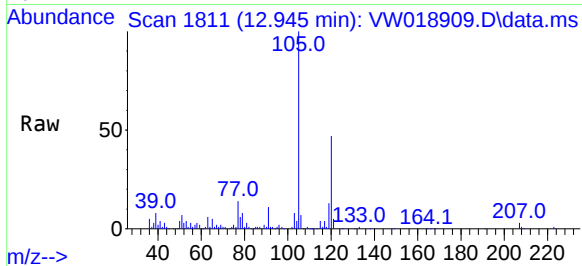
Tgt Ion:105 Resp: 5915
Ion Ratio Lower Upper
105 100
120 111.4 21.1 31.7#
77 56.4 13.2 19.8#





#62
1,3,5-Trimethylbenzene
Concen: 2.95 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

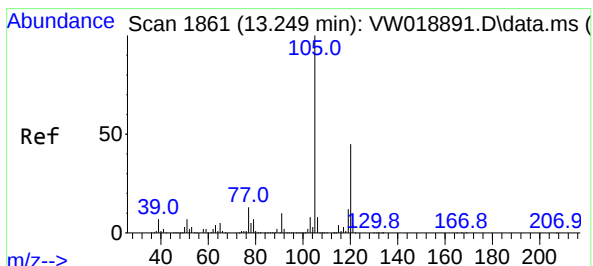
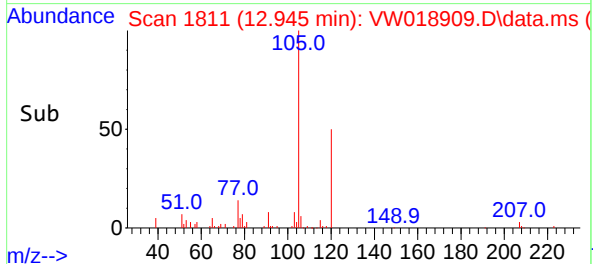
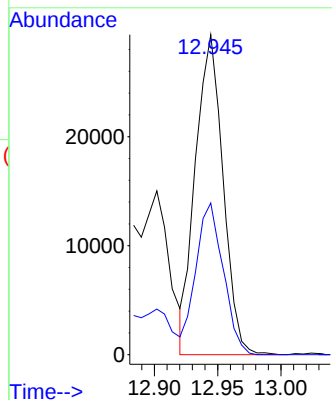
Instrument :
MSVOA_W
ClientSampled :
BG7F6



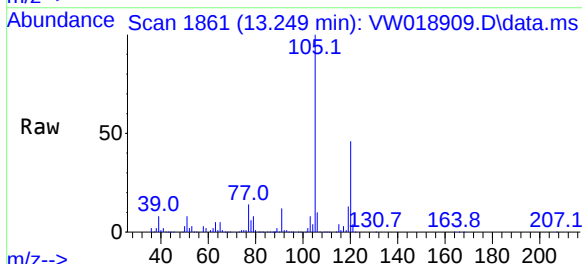
Tgt Ion:105 Resp: 44494
Ion Ratio Lower Upper
105 100
120 47.2 39.0 58.6

Manual Integrations
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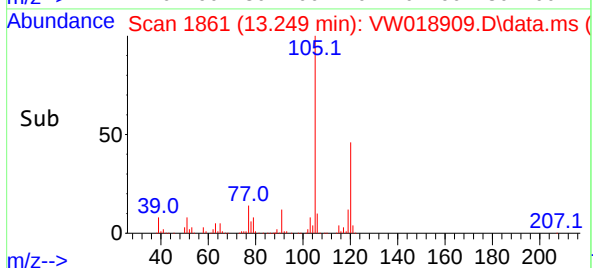
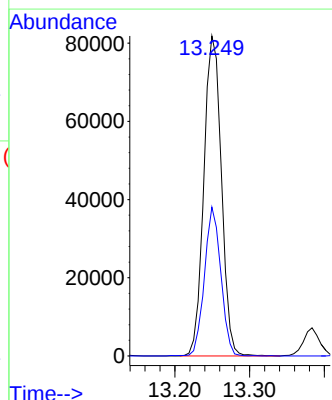
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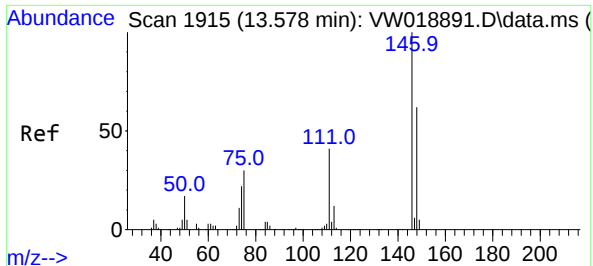


#63
1,2,4-Trimethylbenzene
Concen: 8.86 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21



Tgt Ion:105 Resp: 133561
Ion Ratio Lower Upper
105 100
120 43.3 35.6 53.4





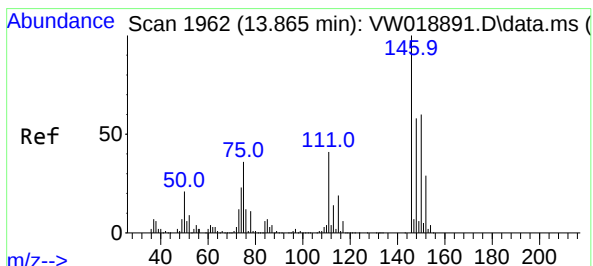
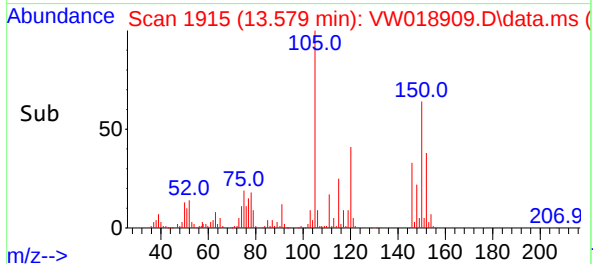
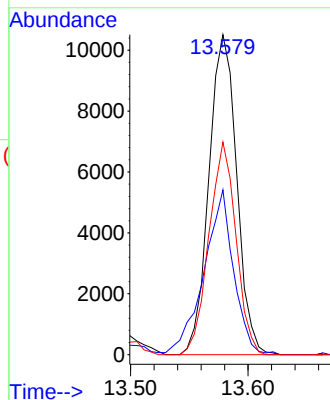
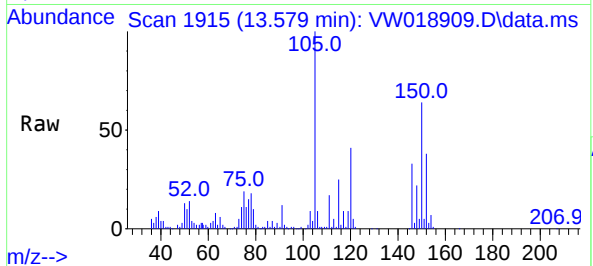
#65
1,4-Dichlorobenzene
Concen: 2.25 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion:	146	Resp:	17287
Ion	Ratio	Lower	Upper
146	100		
111	51.5	28.8	53.4
148	66.4	46.8	87.0

Instrument :
MSVOA_W
ClientSampled :
BG7F6

Manual Integrations
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#67
1,2-Dichlorobenzene
Concen: 3.38 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion:	146	Resp:	23299
Ion	Ratio	Lower	Upper
146	100		
111	48.7	33.2	49.8
148	60.7	50.4	75.6

