

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030921\
 Data File : VW018271.D
 Acq On : 09 Mar 2021 17:28
 Operator : SY/VA
 Sample : M1610-10
 Misc : 5.79G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG563

Quant Time: Mar 10 02:17:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 10 02:13:53 2021
 Response via : Initial Calibration

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

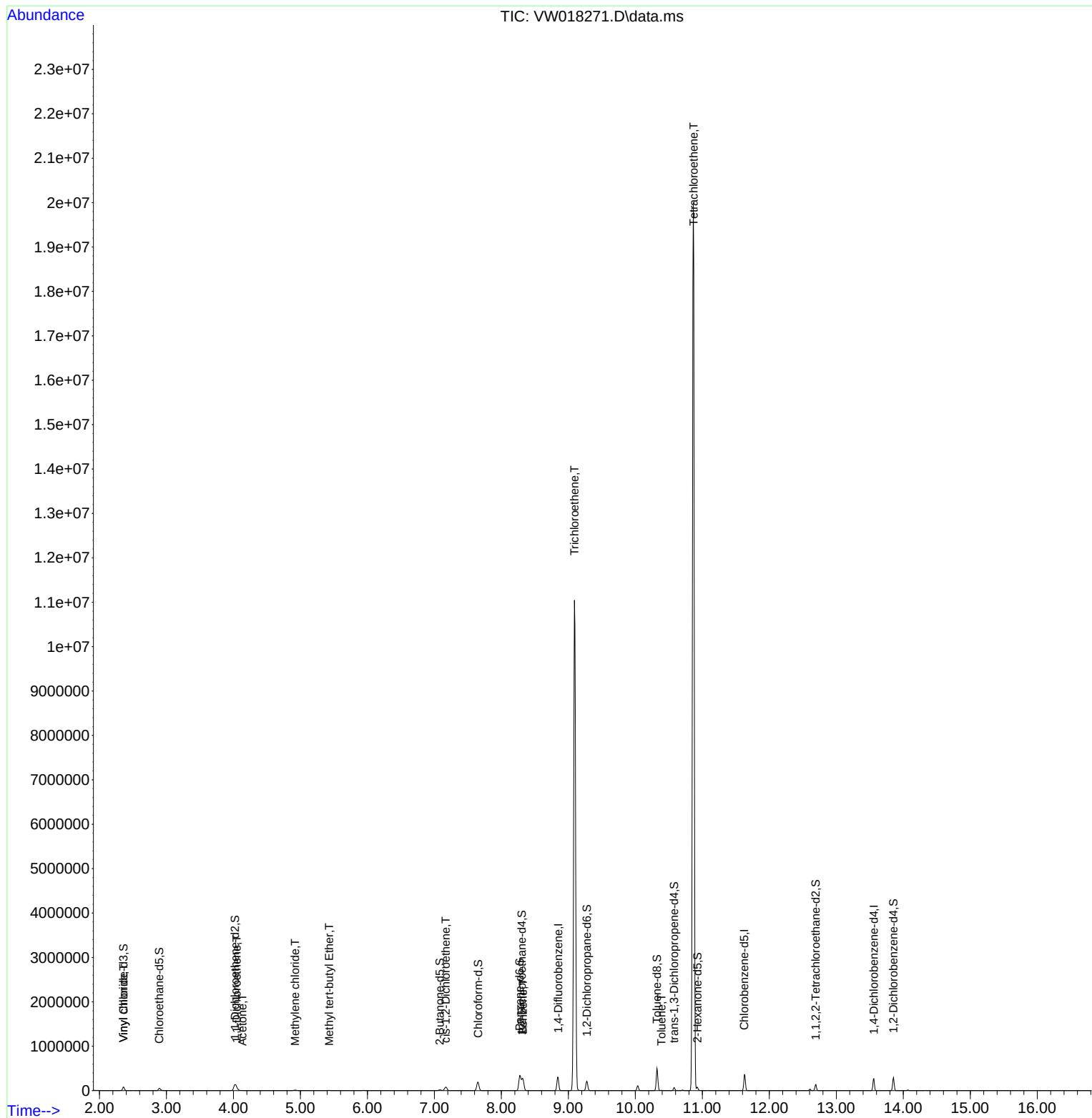
Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	258052	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	197365	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	65846	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	87759	31.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 125.60%			
7) Chloroethane-d5	2.891	69	68951	30.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 121.52%			
10) 1,1-Dichloroethene-d2	4.025	63	146239	22.52	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.08%			
20) 2-Butanone-d5	7.079	46	30797	46.35	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.70%			
24) Chloroform-d	7.652	84	191391	27.38	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 109.52%			
26) 1,2-Dichloroethane-d4	8.305	65	103081	26.79	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.16%			
29) Benzene-d6	8.274	84	353102	33.61	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 134.44%			
33) 1,2-Dichloropropane-d6	9.274	67	91755	31.52	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 126.08%#			
37) Toluene-d8	10.323	98	325238	32.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 128.32%			
38) trans-1,3-Dichloroprop...	10.579	79	37157	25.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 103.00%			
39) 2-Hexanone-d5	10.926	63	25134	51.90	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.80%			
48) 1,1,2,2-Tetrachloroeth...	12.694	84	64531	25.92	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 103.68%			
61) 1,2-Dichlorobenzene-d4	13.853	152	69313	28.96	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 115.84%			
Target Compounds						Qvalue
5) Vinyl chloride	2.361	62	2266	0.63	ug/L #	1
12) 1,1-Dichloroethene	4.049	96	13284	3.92	ug/L #	1
13) Acetone	4.135	43	4467	8.60	ug/L	55
16) Methylene chloride	4.921	84	9982	2.53	ug/L	97
17) Methyl tert-butyl Ether	5.427	73	6945	1.79	ug/L #	80
22) cis-1,2-Dichloroethene	7.171	96	47812	12.68	ug/L	94
34) Benzene	8.323	78	204941	18.05	ug/L	100
35) Trichloroethene	9.091	95	3898030	1171.06	ug/L	99
44) Toluene	10.390	91	5253	0.41	ug/L	93
47) Tetrachloroethene	10.871	164	4406264	1768.12	ug/L	98

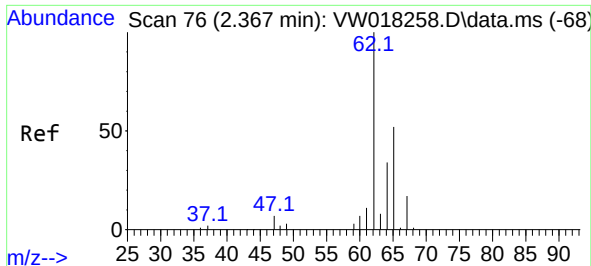
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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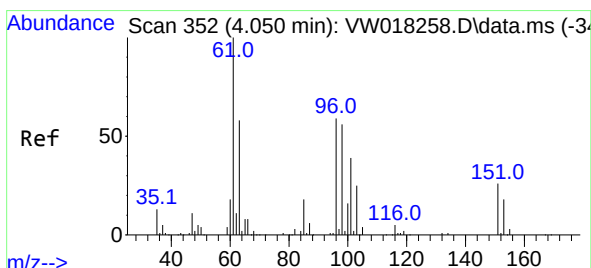
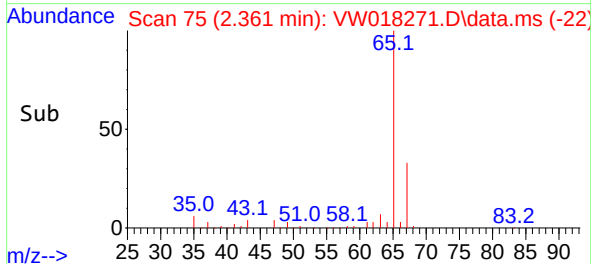
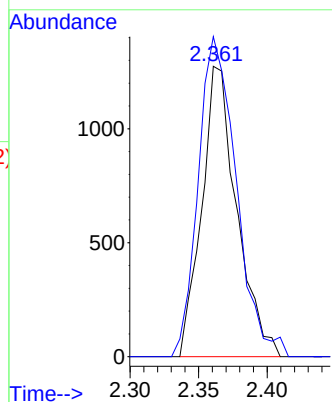
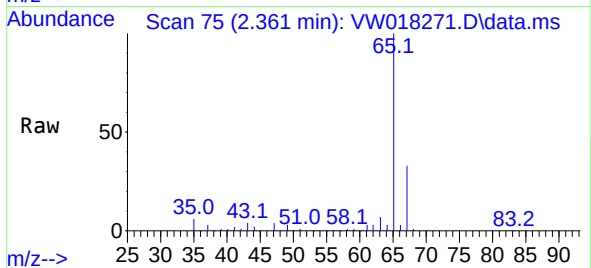




#5
 Vinyl chloride
 Concen: 0.63 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW018271.D
 Acq: 09 Mar 2021 17:28

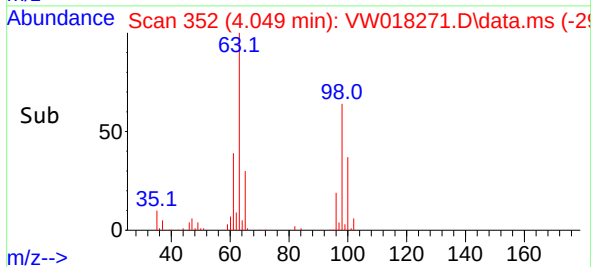
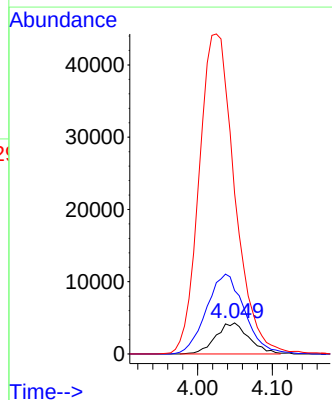
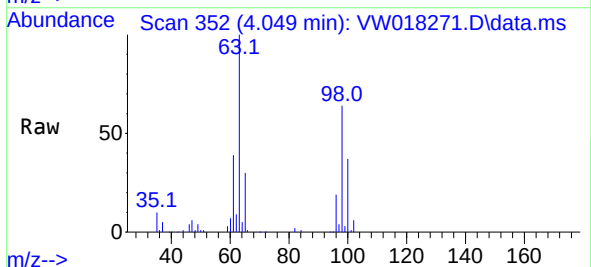
Instrument :
 MSVOA_W
 ClientSampled :
 BG563

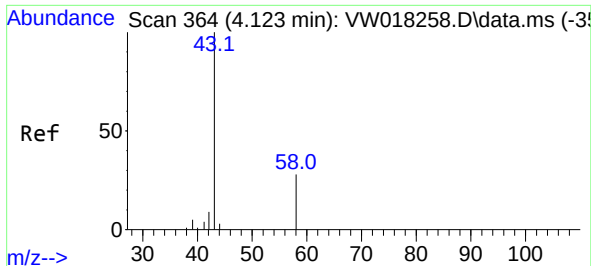
Tgt Ion: 62 Resp: 2266
 Ion Ratio Lower Upper
 62 100
 64 110.2 23.5 43.7#



#12
 1,1-Dichloroethene
 Concen: 3.92 ug/L
 RT: 4.049 min Scan# 352
 Delta R.T. -0.000 min
 Lab File: VW018271.D
 Acq: 09 Mar 2021 17:28

Tgt Ion: 96 Resp: 13284
 Ion Ratio Lower Upper
 96 100
 61 203.9 118.6 220.2
 63 516.9 82.4 153.0#

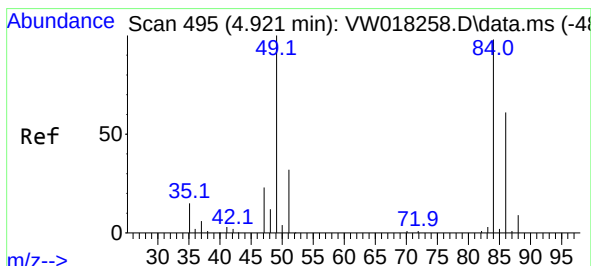
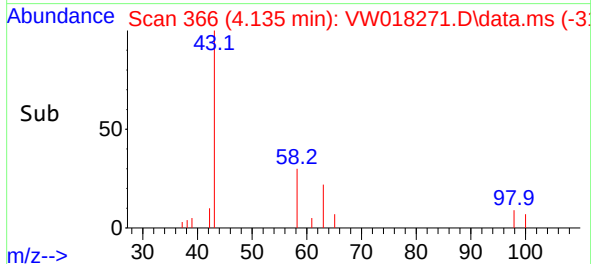
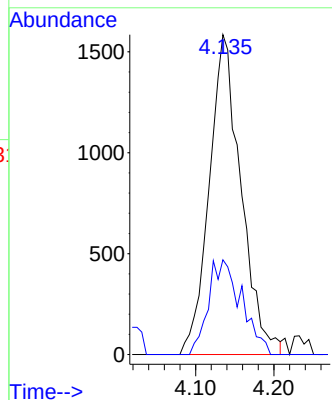
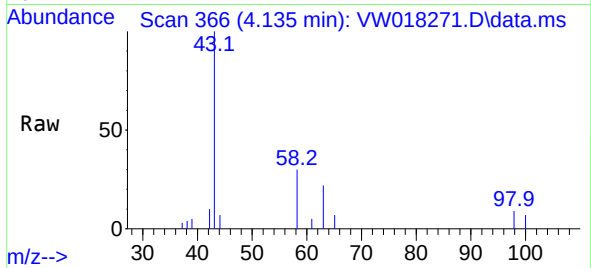




#13
Acetone
Concen: 8.60 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

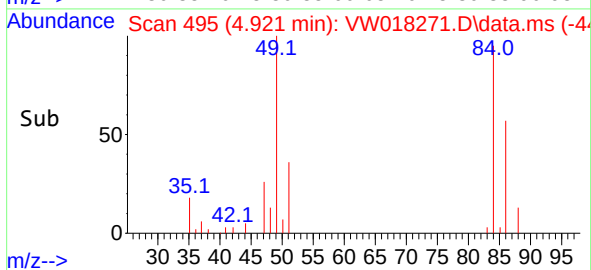
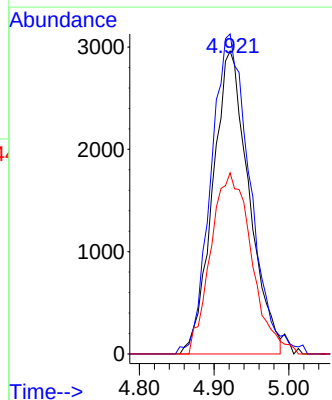
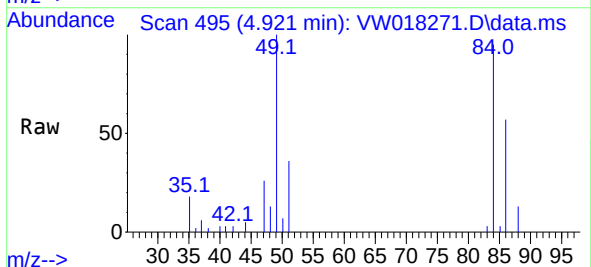
Instrument :
MSVOA_W
ClientSampled :
BG563

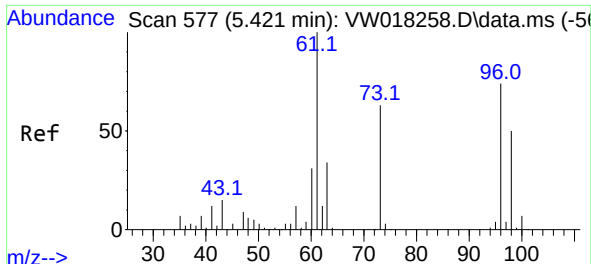
Tgt Ion: 43 Resp: 4467
Ion Ratio Lower Upper
43 100
58 6.1 0.0 62.2



#16
Methylene chloride
Concen: 2.53 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

Tgt Ion: 84 Resp: 9982
Ion Ratio Lower Upper
84 100
49 105.7 74.4 138.2
86 59.8 46.1 85.7

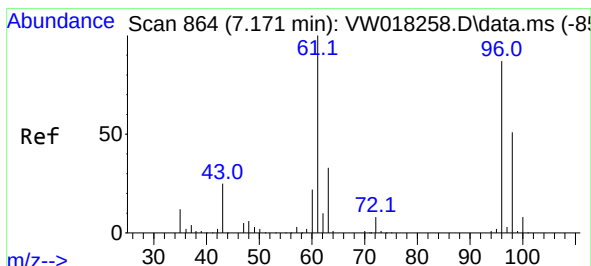
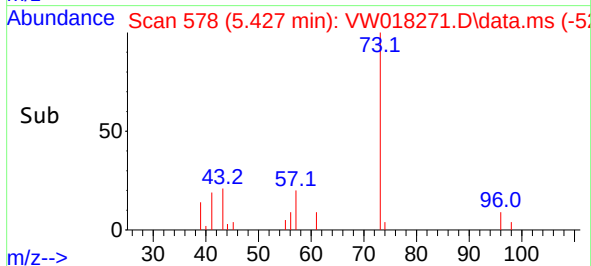
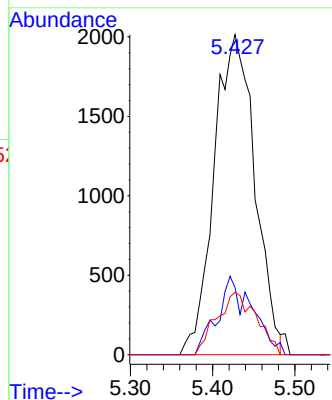
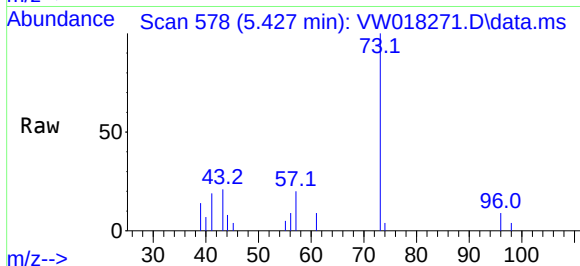




#17
Methyl tert-butyl Ether
Concen: 1.79 ug/L
RT: 5.427 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

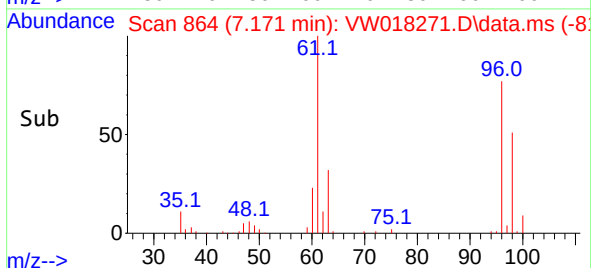
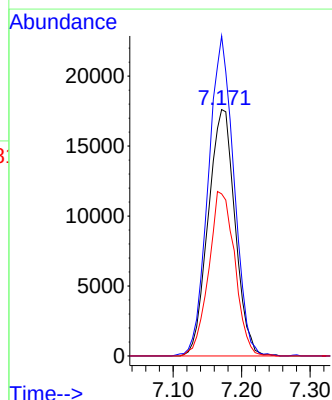
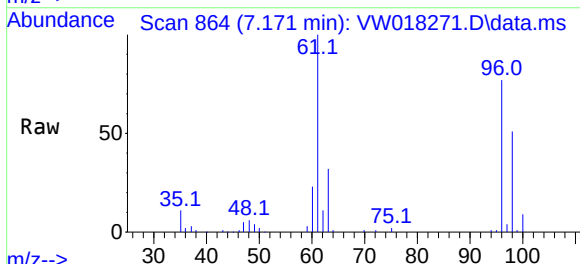
Instrument :
MSVOA_W
ClientSampled :
BG563

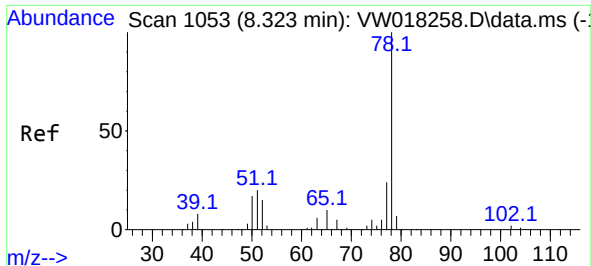
Tgt Ion: 73 Resp: 6945
Ion Ratio Lower Upper
73 100
43 9.4 16.6 24.8#
57 13.1 15.9 23.9#



#22
cis-1,2-Dichloroethene
Concen: 12.68 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

Tgt Ion: 96 Resp: 47812
Ion Ratio Lower Upper
96 100
61 129.8 84.8 157.6
98 65.7 45.1 83.9

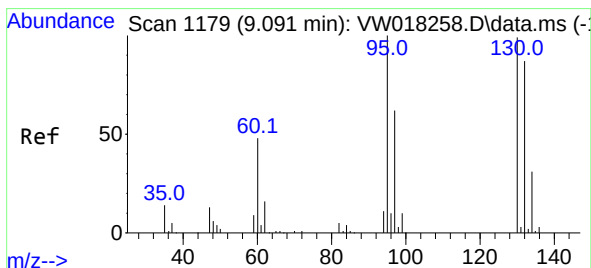
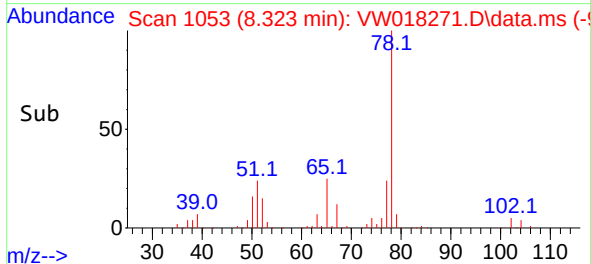
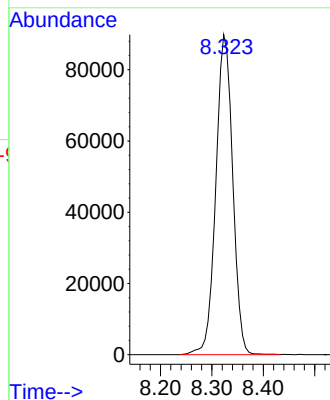
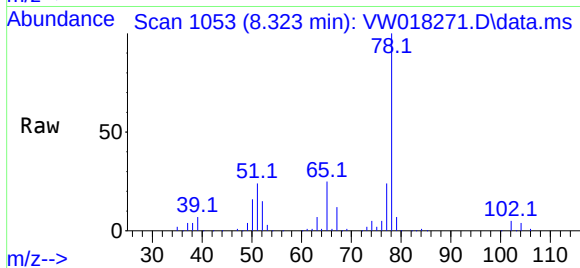




#34
Benzene
Concen: 18.05 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

Instrument :
MSVOA_W
ClientSampleId :
BG563

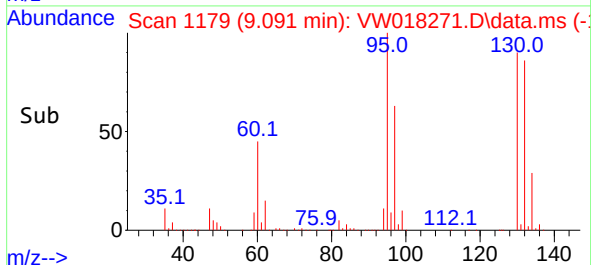
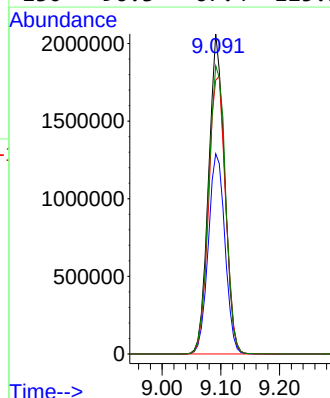
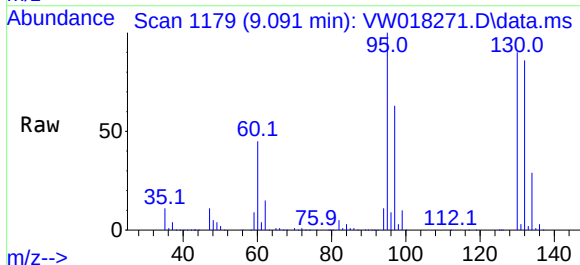
Tgt Ion: 78 Resp: 204941

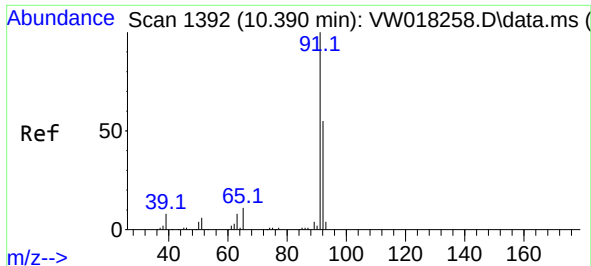


#35
Trichloroethene
Concen: 1171.06 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW018271.D
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Tgt Ion: 95 Resp: 3898030

Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.4	82.4
132	92.1	65.9	122.5
130	96.3	67.4	125.2

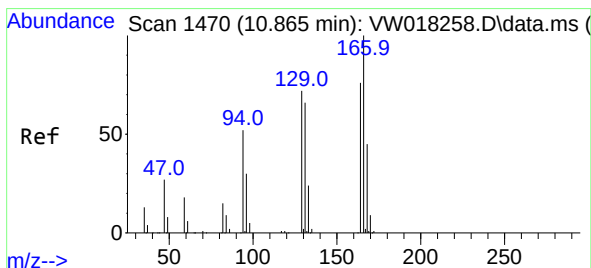
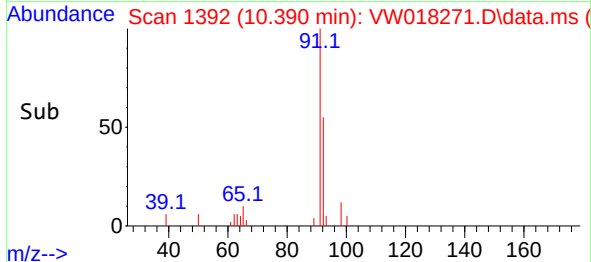
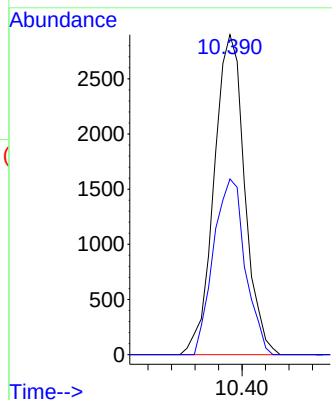
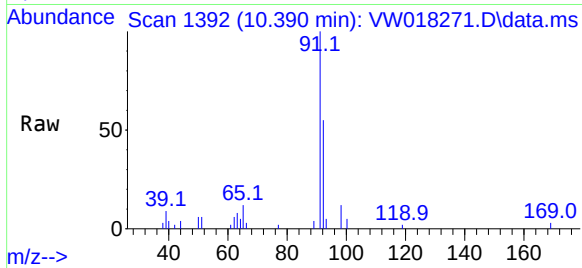




#44
Toluene
Concen: 0.41 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

Instrument :
MSVOA_W
ClientSampled :
BG563

Tgt Ion: 91 Resp: 5253
Ion Ratio Lower Upper
91 100
92 54.9 42.3 78.5



#47
Tetrachloroethene
Concen: 1768.12 ug/L
RT: 10.871 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VW018271.D
Acq: 09 Mar 2021 17:28

Tgt Ion:164 Resp: 4406264
Ion Ratio Lower Upper
164 100
129 98.1 68.8 127.8
131 96.1 68.3 126.8
166 130.4 95.4 177.2

