

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
 Data File : VW018314.D
 Acq On : 12 Mar 2021 13:03
 Operator : SY/VA
 Sample : M1610-20
 Misc : 6.49G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG569

Quant Time: Mar 13 00:39:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 13 00:38:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	335917	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.633	117	287405	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	132506	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	87543	24.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.24%		
7) Chloroethane-d5	2.897	69	69989	23.69	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.76%		
10) 1,1-Dichloroethene-d2	4.019	63	153687	18.18	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.72%		
20) 2-Butanone-d5	7.079	46	29333	33.92	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	67.84%		
24) Chloroform-d	7.652	84	195601	21.49	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	85.96%		
26) 1,2-Dichloroethane-d4	8.305	65	102602	20.49	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	81.96%		
29) Benzene-d6	8.274	84	378329	24.73	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.92%		
33) 1,2-Dichloropropane-d6	9.274	67	102715	24.23	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.92%		
37) Toluene-d8	10.323	98	365388	24.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.00%		
38) trans-1,3-Dichloroprop...	10.579	79	44265	21.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	84.24%		
39) 2-Hexanone-d5	10.926	63	25701	36.44	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	72.88%		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	68476	18.89	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	75.56%		
61) 1,2-Dichlorobenzene-d4	13.853	152	113315	23.53	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.12%		
Target Compounds					Qvalue	
3) Chloromethane	2.214	50	5394	1.77	ug/L	98
13) Acetone	4.135	43	106771	157.95	ug/L	97
14) Carbon disulfide	4.379	76	7814	0.61	ug/L	98
16) Methylene chloride	4.915	84	18389	3.59	ug/L	98
17) Methyl tert-butyl Ether	5.433	73	1482	0.29	ug/L #	72
21) 2-Butanone	7.171	43	55423	59.19	ug/L	99
34) Benzene	8.323	78	1010390	61.09	ug/L	100
36) Methylcyclohexane	9.274	83	28425	3.65	ug/L #	22
42) cis-1,3-Dichloropropene	10.036	75	3708	0.58	ug/L #	66
44) Toluene	10.390	91	538450	29.06	ug/L	98
45) trans-1,3-Dichloropropene	10.573	75	2223	0.39	ug/L	96
47) Tetrachloroethene	10.865	164	4268	1.18	ug/L	93
49) 2-Hexanone	10.969	43	4350	3.16	ug/L #	95
50) Dibromochloromethane	10.859	129	4745	1.22	ug/L #	8
53) Ethylbenzene	11.731	91	138778	6.52	ug/L	98
54) m,p-Xylene	11.835	106	94487	11.71	ug/L	100
55) o-xylene	12.164	106	62315	8.26	ug/L	96
56) Styrene	12.182	104	46462	3.60	ug/L	97
57) Isopropylbenzene	12.463	105	9046	0.42	ug/L #	93
66) 1,2-Dibromo-3-chloropr...	14.511	75	1629	2.64	ug/L #	10

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Quant Title : VOC Analysis
QLast Update : Sat Mar 13 00:38:12 2021
Response via : Initial Calibration

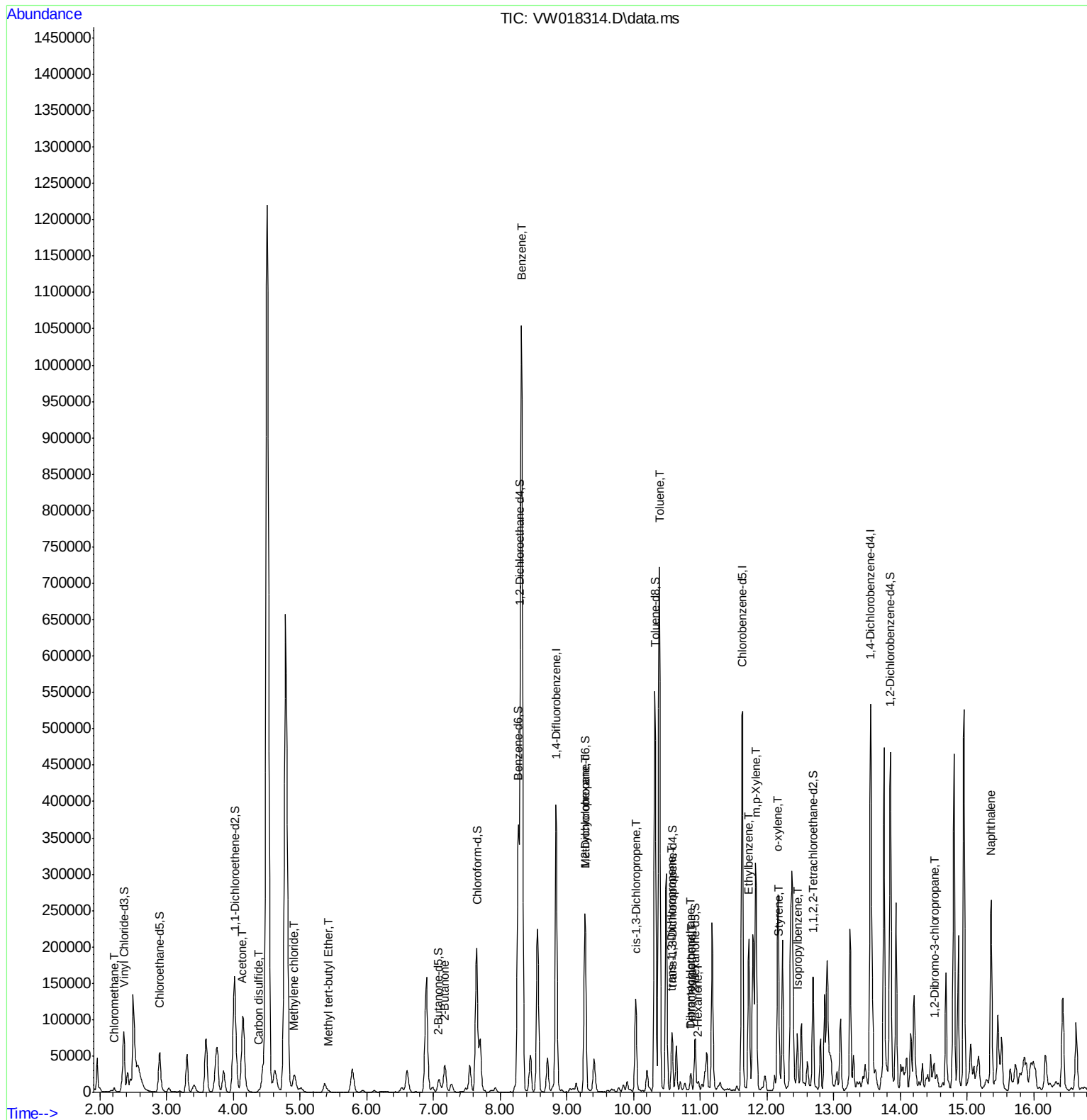
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	15.364	128	221347	21.34	ug/L	97

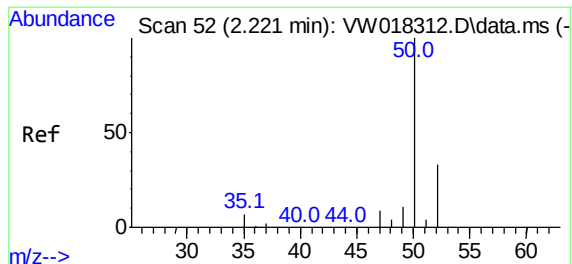
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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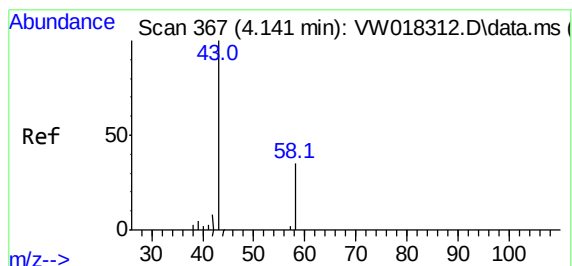
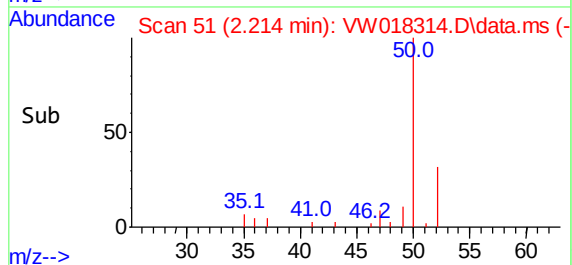
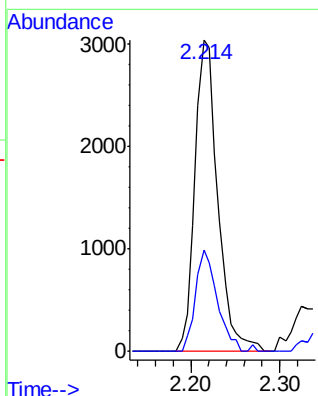
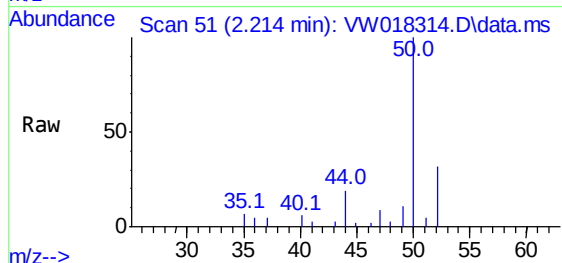




#3
Chloromethane
Concen: 1.77 ug/L
RT: 2.214 min Scan# 51
Delta R.T. -0.007 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

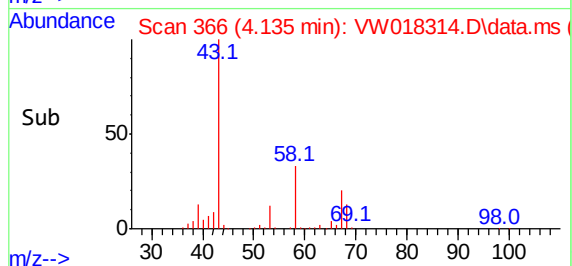
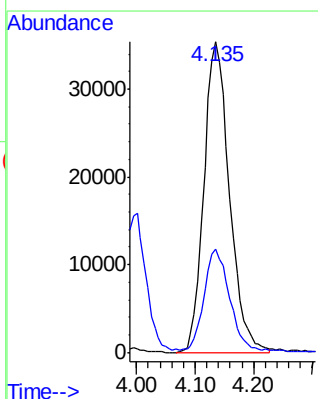
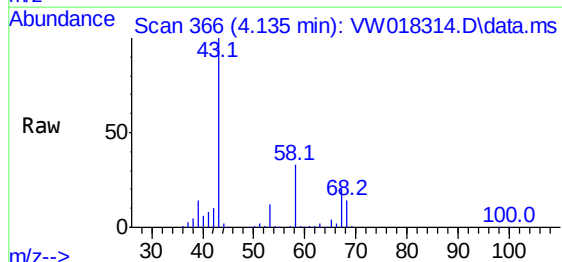
Instrument :
MSVOA_W
ClientSampled :
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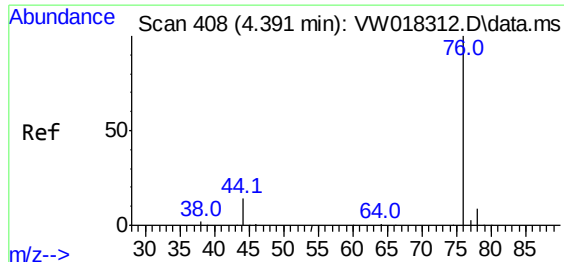
Tgt Ion: 50 Resp: 5394
Ion Ratio Lower Upper
50 100
52 32.4 23.7 43.9



#13
Acetone
Concen: 157.95 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.007 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 43 Resp: 106771
Ion Ratio Lower Upper
43 100
58 32.8 0.0 62.2

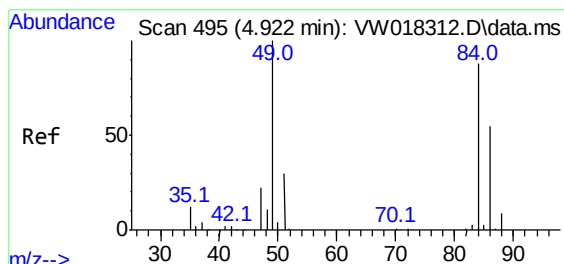
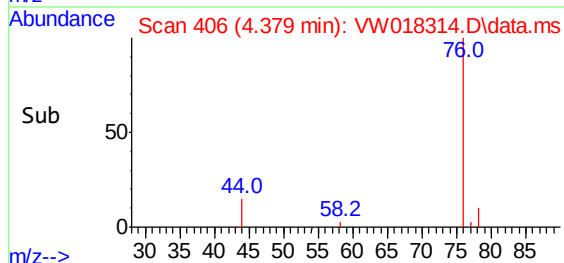
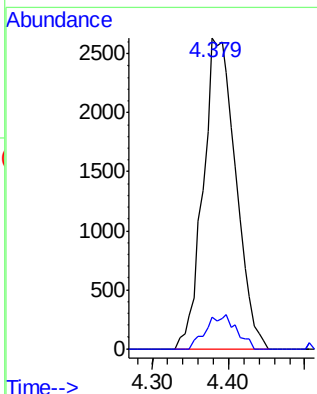
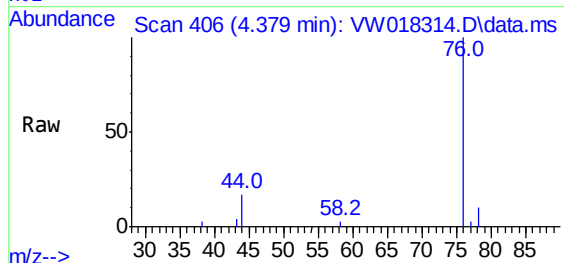




#14
Carbon disulfide
Concen: 0.61 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.013 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

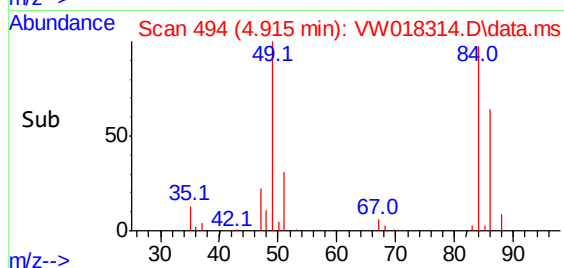
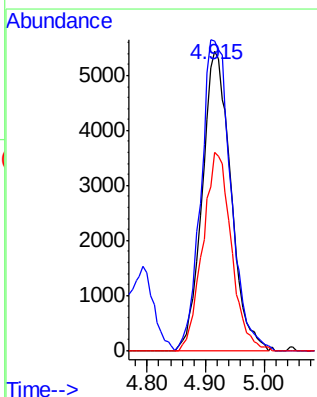
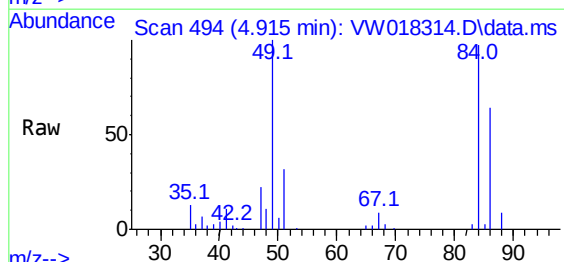
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ClientSampled :
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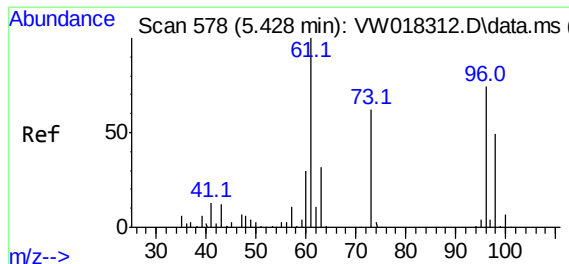
Tgt Ion: 76 Resp: 7814
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2



#16
Methylene chloride
Concen: 3.59 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.007 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 84 Resp: 18389
Ion Ratio Lower Upper
84 100
49 103.4 74.4 138.2
86 66.2 46.1 85.7

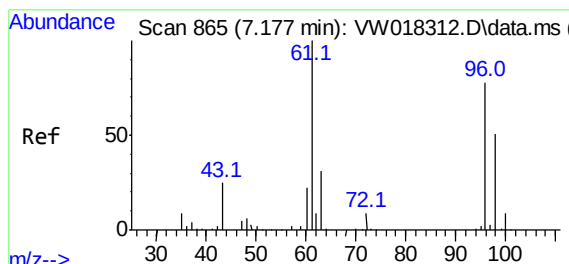
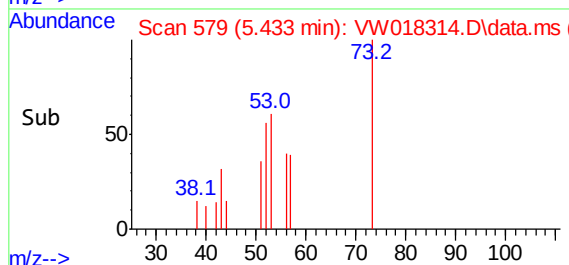
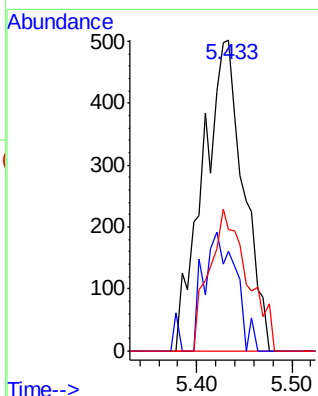
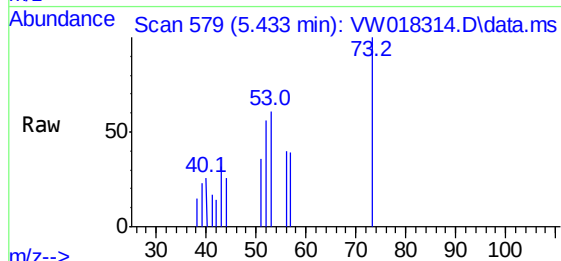




#17
Methyl tert-butyl Ether
Concen: 0.29 ug/L
RT: 5.433 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

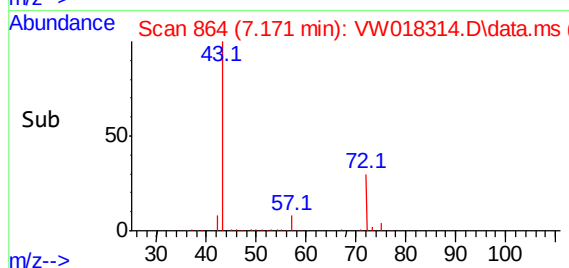
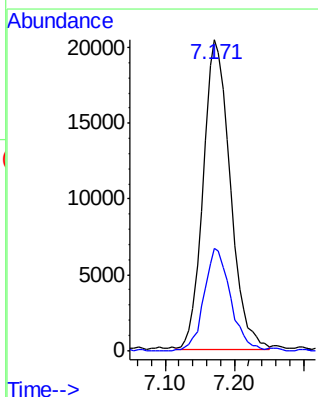
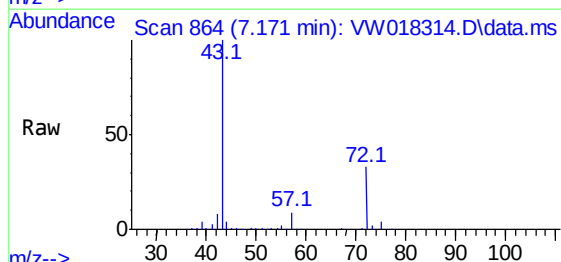
Instrument :
MSVOA_W
ClientSampled :
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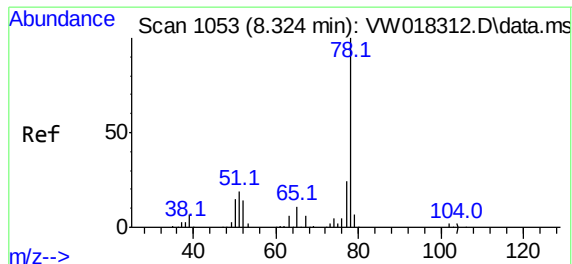
Tgt Ion: 73 Resp: 1482
Ion Ratio Lower Upper
73 100
43 12.3 16.6 24.8#
57 37.2 15.9 23.9#



#21
2-Butanone
Concen: 59.19 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.007 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 43 Resp: 55423
Ion Ratio Lower Upper
43 100
72 32.3 16.5 49.5

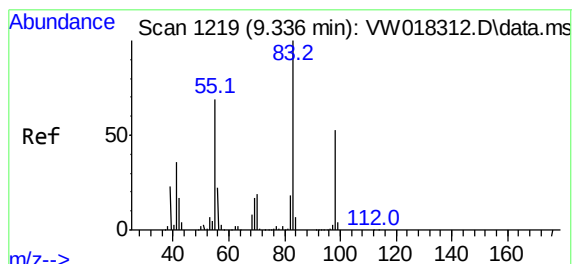
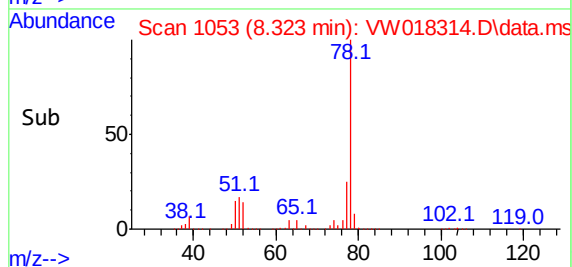
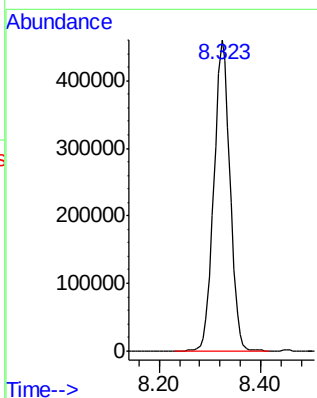
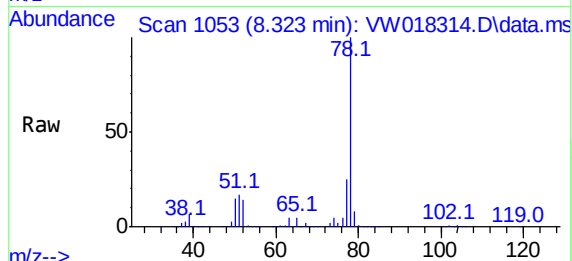




#34
Benzene
Concen: 61.09 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Instrument :
MSVOA_W
ClientSampled :
BG569

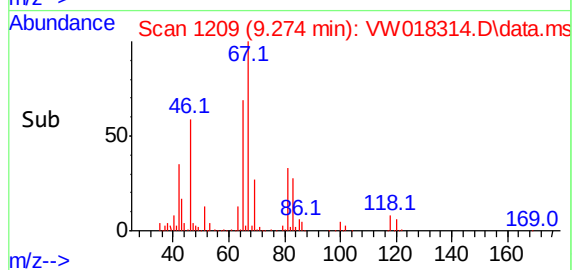
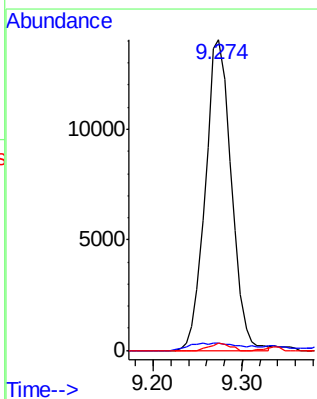
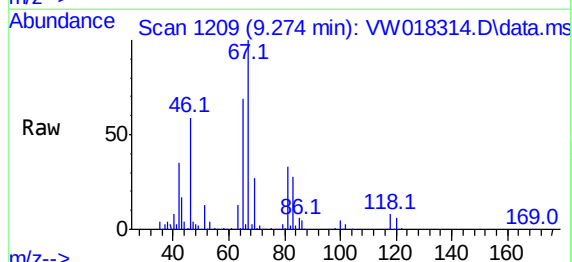
Tgt Ion: 78 Resp: 1010390

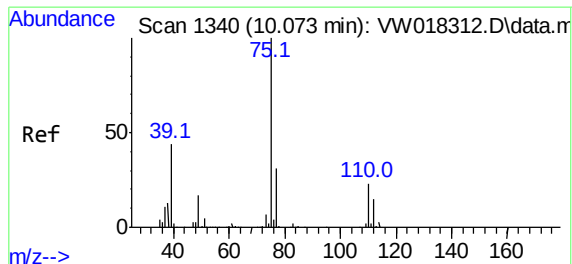


#36
Methylcyclohexane
Concen: 3.65 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 83 Resp: 28425

Ion	Ratio	Lower	Upper
83	100		
55	2.3	56.8	85.2#
98	1.7	40.6	61.0#

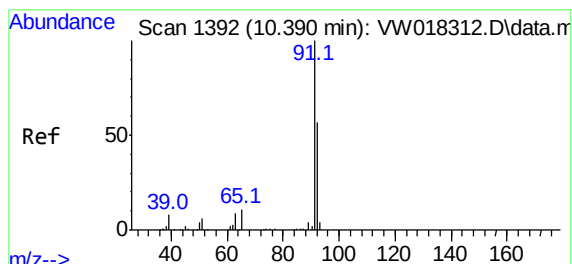
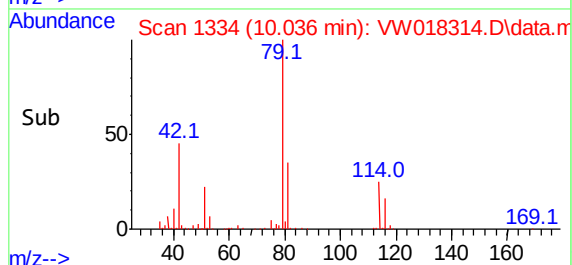
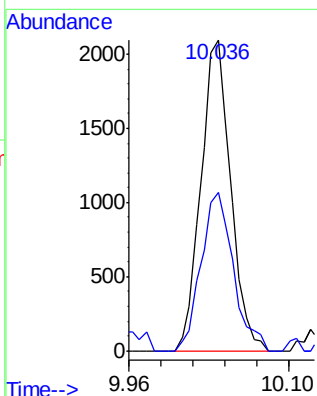
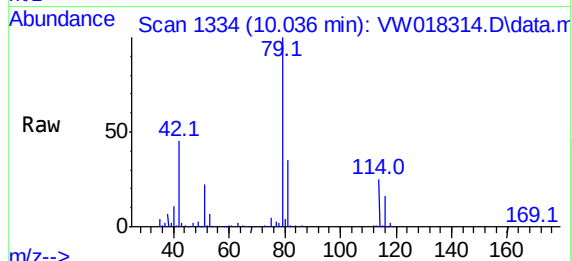




#42
cis-1,3-Dichloropropene
Concen: 0.58 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

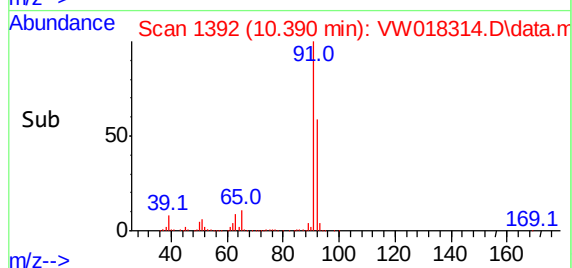
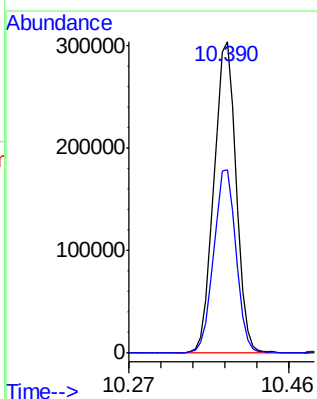
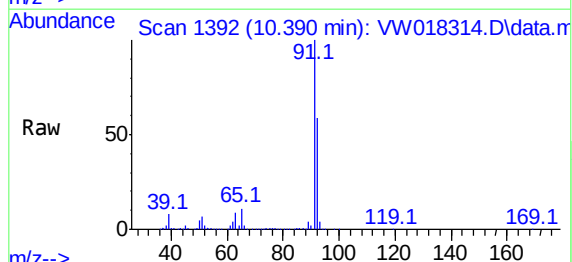
Instrument :
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ClientSampled :
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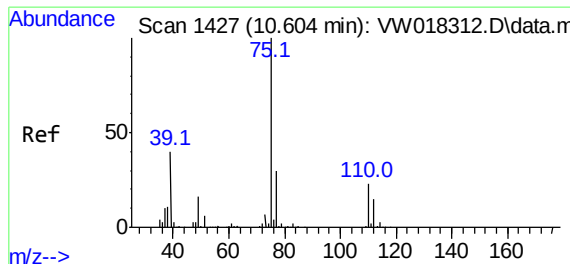
Tgt Ion: 75 Resp: 3708
Ion Ratio Lower Upper
75 100
77 51.1 22.4 41.6#



#44
Toluene
Concen: 29.06 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 91 Resp: 538450
Ion Ratio Lower Upper
91 100
92 58.7 42.3 78.5

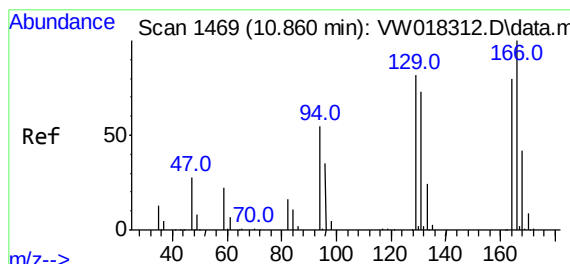
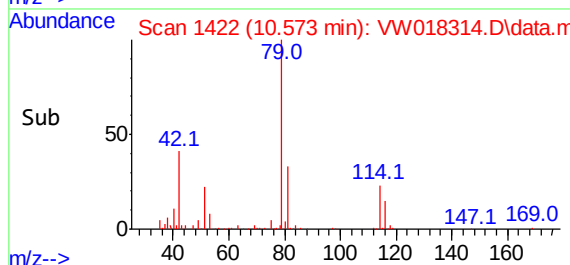
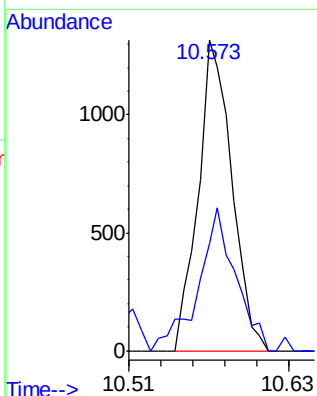
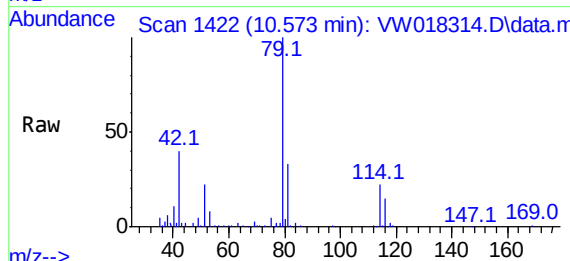




#45
trans-1,3-Dichloropropene
Concen: 0.39 ug/L
RT: 10.573 min Scan# 1422
Delta R.T. -0.031 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

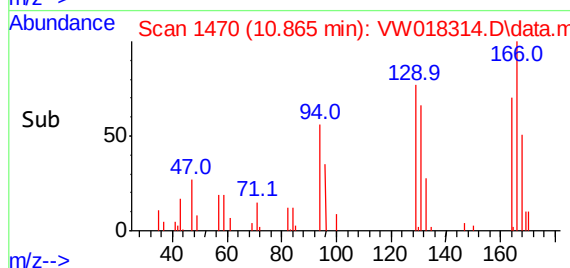
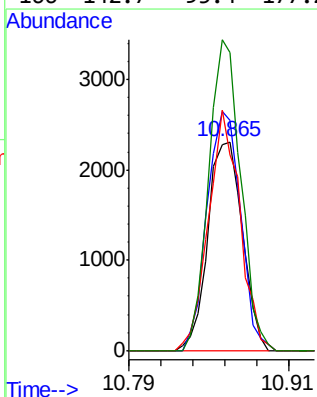
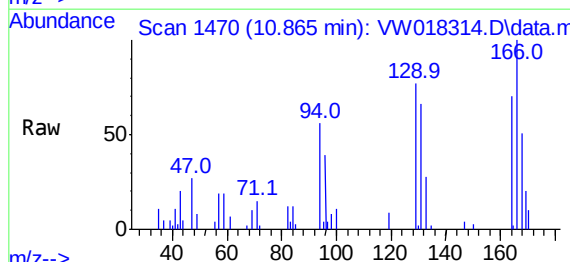
Instrument :
MSVOA_W
ClientSampled :
BG569

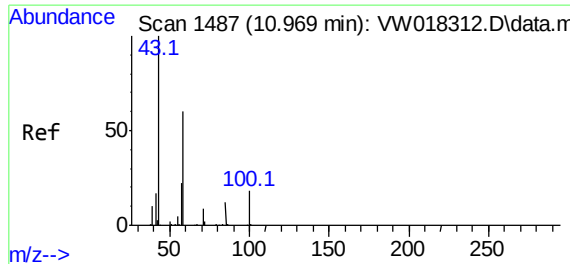
Tgt Ion: 75 Resp: 2223
Ion Ratio Lower Upper
75 100
77 34.3 22.6 42.0



#47
Tetrachloroethene
Concen: 1.18 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 164 Resp: 4268
Ion Ratio Lower Upper
164 100
129 110.4 68.8 127.8
131 93.5 68.3 126.8
166 142.7 95.4 177.2



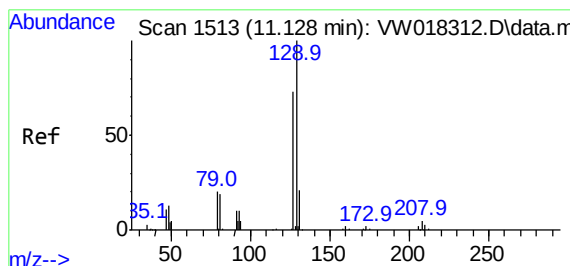
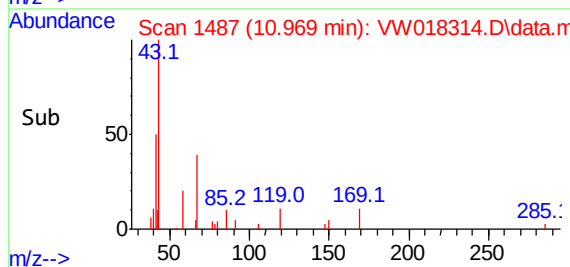
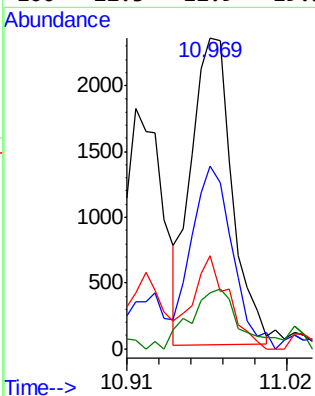
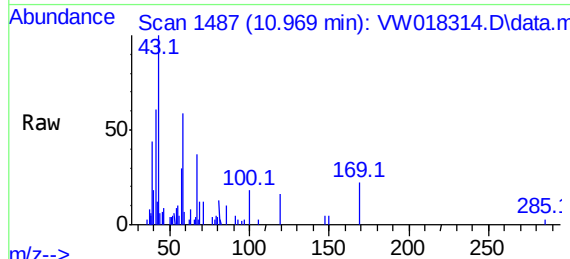


#49
2-Hexanone
Concen: 3.16 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Instrument :
MSVOA_W
ClientSampleID :
BG569

Tgt Ion: 43 Resp: 4350

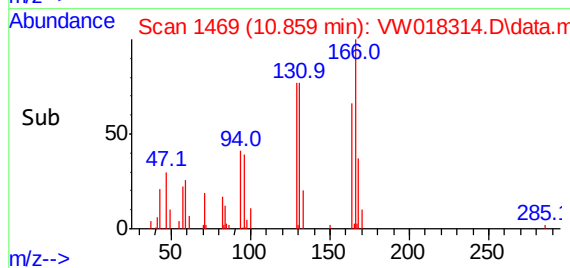
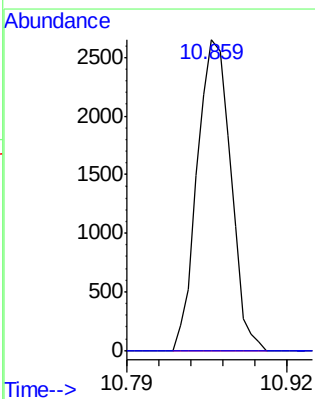
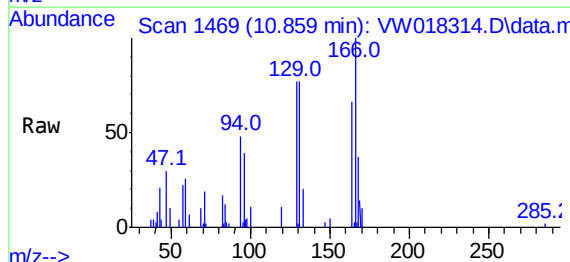
Ion	Ratio	Lower	Upper
43	100		
58	59.4	47.3	70.9
57	26.5	17.3	25.9
100	22.3	12.9	19.3

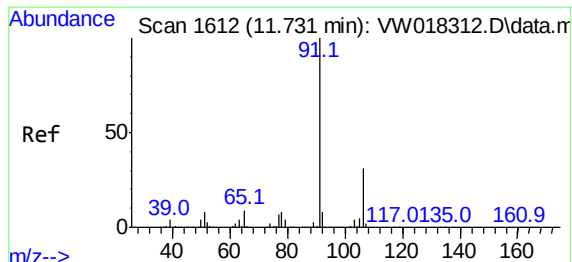


#50
Dibromochloromethane
Concen: 1.22 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.269 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 129 Resp: 4745

Ion	Ratio	Lower	Upper
129	100		
127	0.0	58.0	107.6

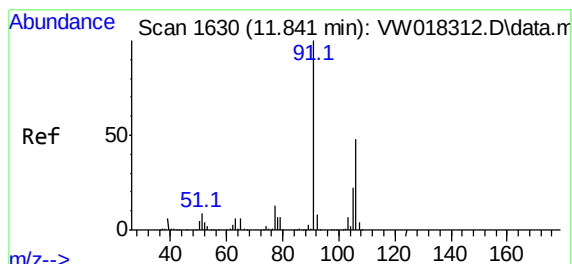
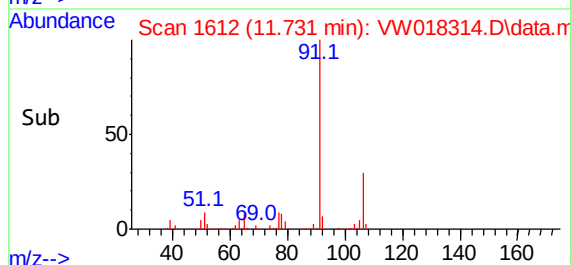
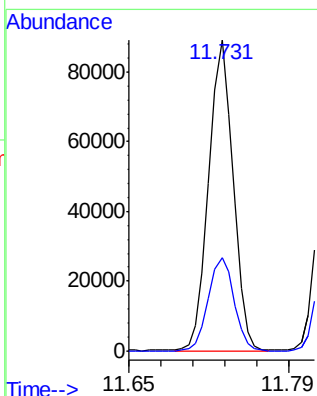
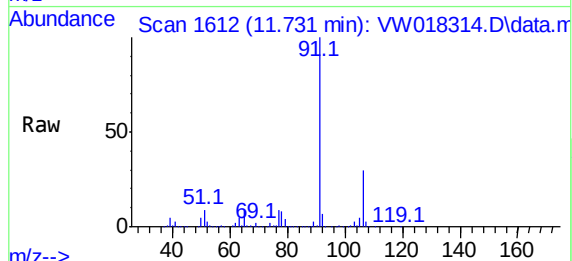




#53
Ethylbenzene
Concen: 6.52 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

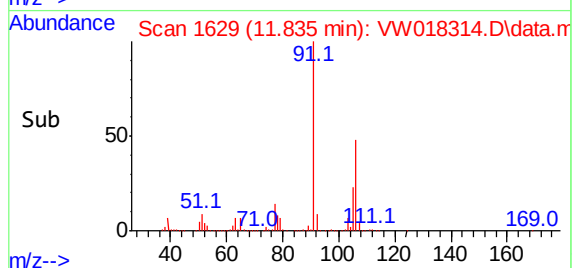
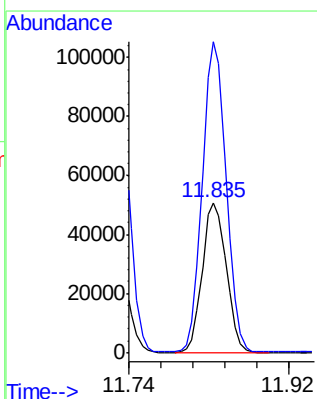
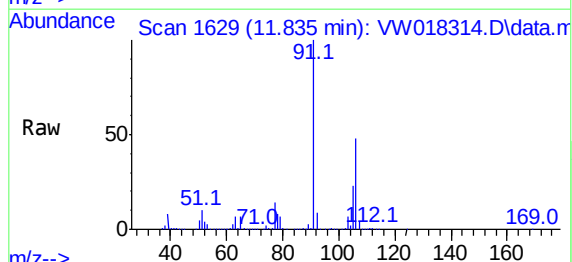
Instrument :
MSVOA_W
ClientSampleId :
BG569

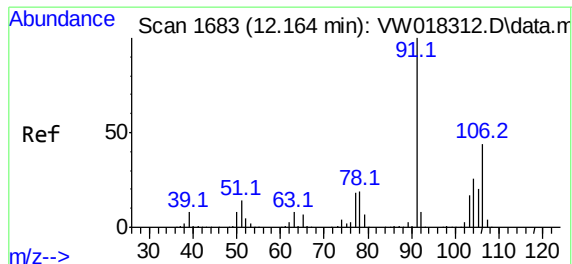
Tgt Ion: 91 Resp: 138778
Ion Ratio Lower Upper
91 100
106 30.1 21.7 40.3



#54
m,p-Xylene
Concen: 11.71 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.007 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 106 Resp: 94487
Ion Ratio Lower Upper
106 100
91 207.8 145.3 269.8

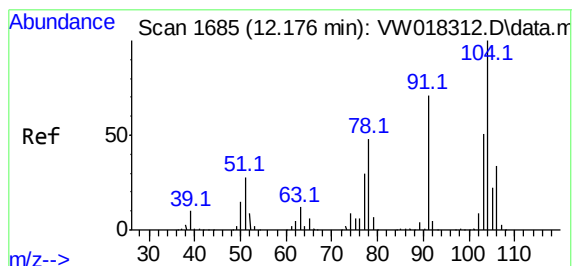
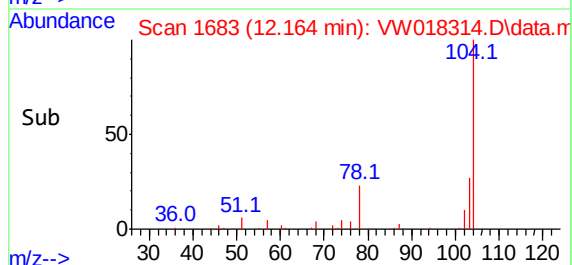
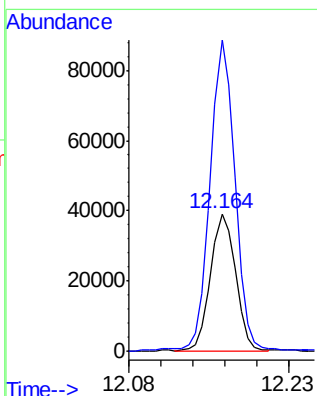
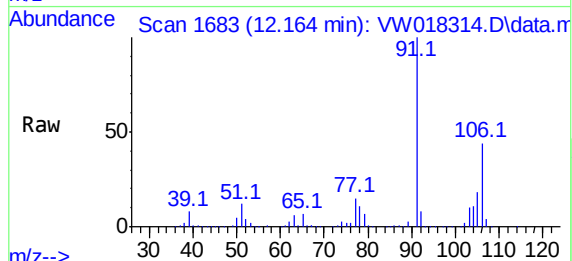




#55
o-xylene
Concen: 8.26 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

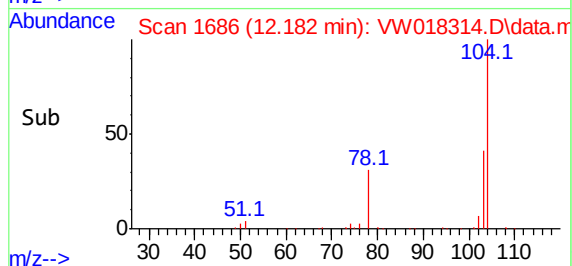
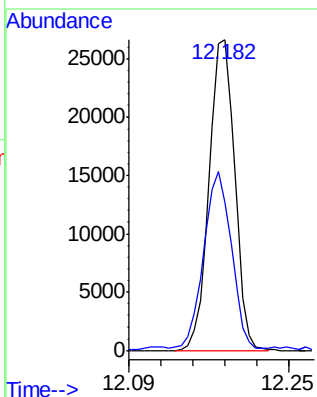
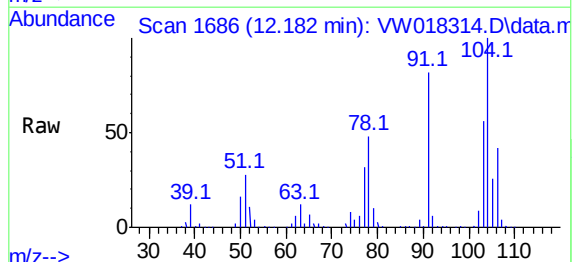
Instrument :
MSVOA_W
ClientSampled :
BG569

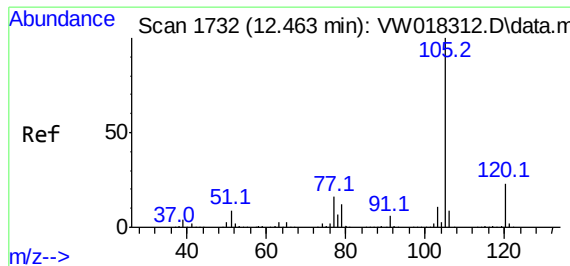
Tgt Ion:106 Resp: 62315
Ion Ratio Lower Upper
106 100
91 227.2 154.3 286.5



#56
Styrene
Concen: 3.60 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion:104 Resp: 46462
Ion Ratio Lower Upper
104 100
78 47.7 34.7 64.5



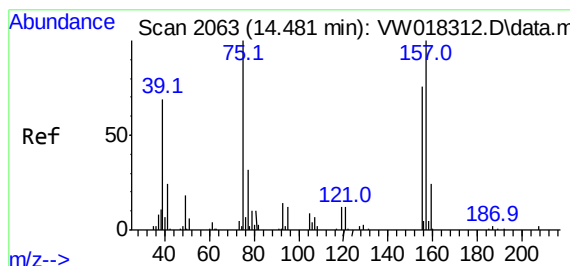
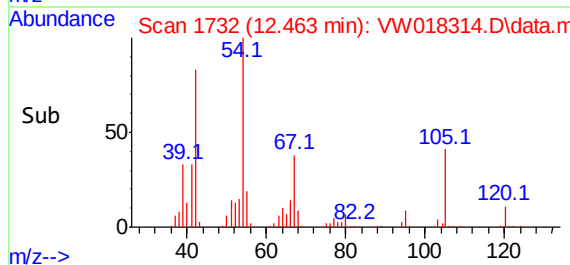
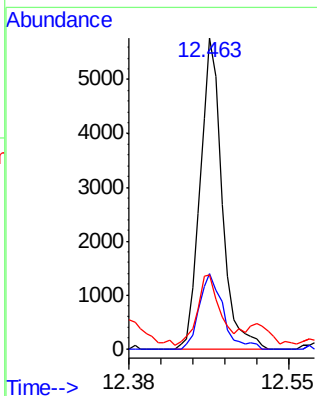
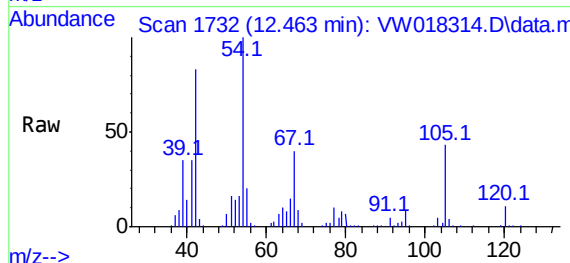


#57
Isopropylbenzene
Concen: 0.42 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Instrument :
MSVOA_W
ClientSampleId :
BG569

Tgt Ion: 105 Resp: 9046

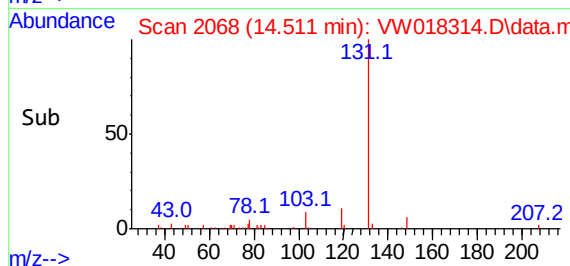
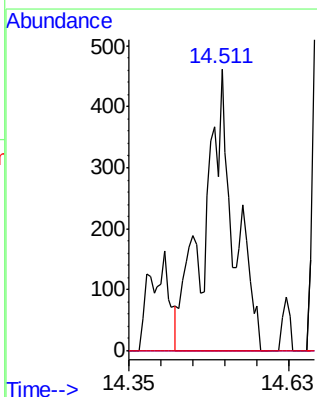
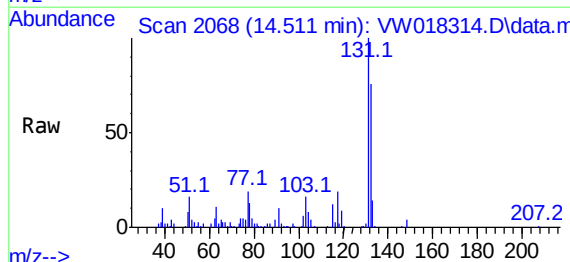
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.9	31.3
77	23.1	13.2	19.8

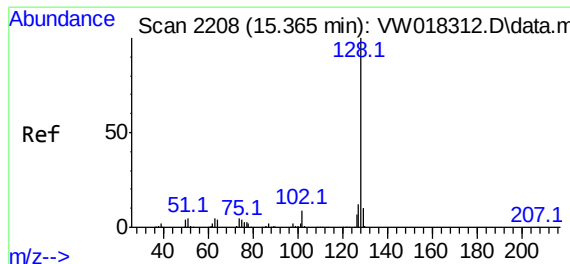


#66
1,2-Dibromo-3-chloropropane
Concen: 2.64 ug/L
RT: 14.511 min Scan# 2068
Delta R.T. 0.030 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Tgt Ion: 75 Resp: 1629

Ion	Ratio	Lower	Upper
75	100		
157	0.0	65.2	97.8
155	0.0	60.1	90.1





#69
Naphthalene
Concen: 21.34 ug/L
RT: 15.364 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Instrument :
MSVOA_W
ClientSampleId :
BG569

Tgt Ion:128 Resp: 221347
Ion Ratio Lower Upper
128 100
129 10.3 9.1 13.7
127 12.2 10.7 16.1

