

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%

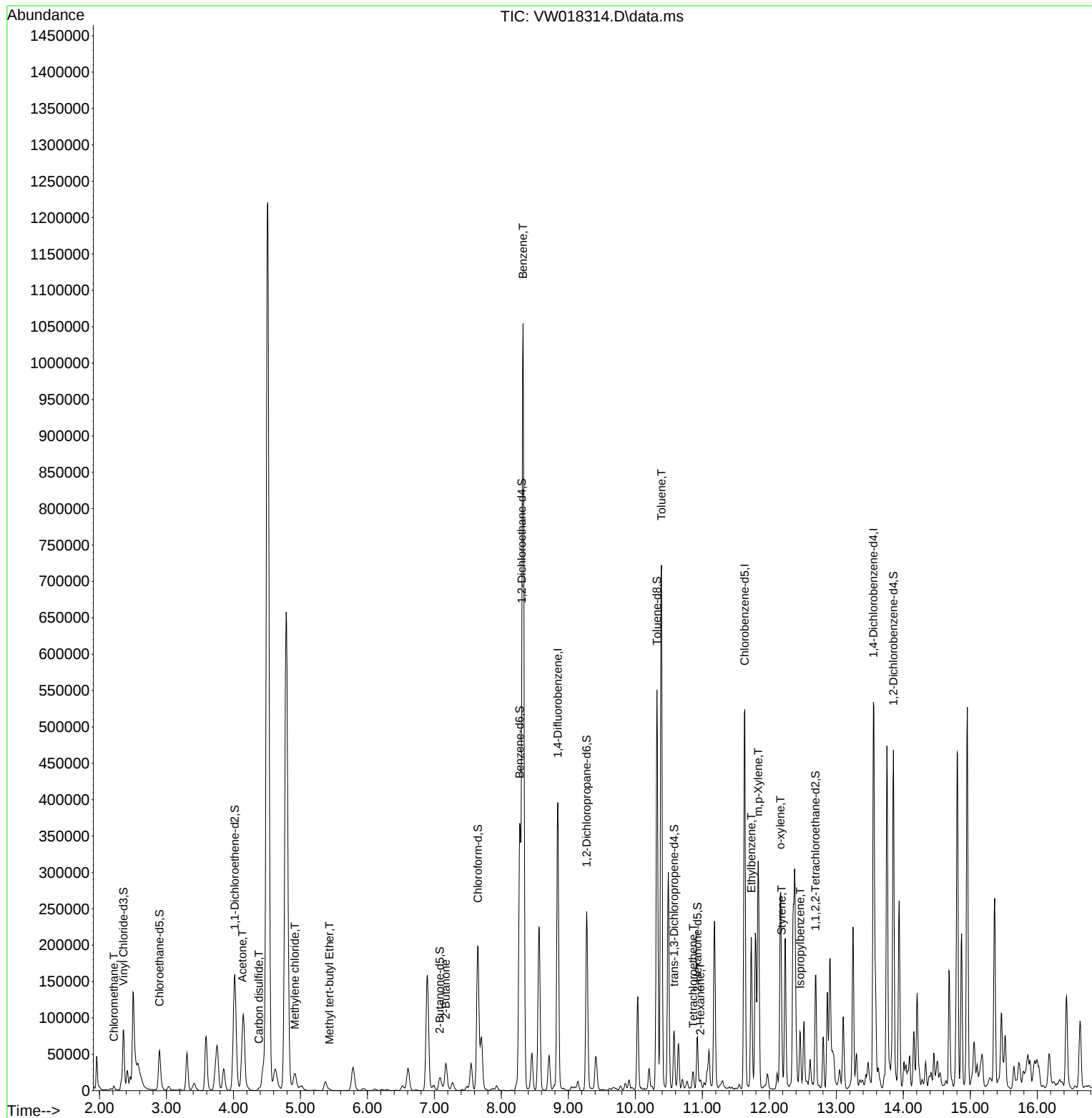
Target Compounds						Qvalue
3) Chloromethane	2.214	50	5394	1.77	ug/L	98
13) Acetone	4.135	43	106771	157.95	ug/L	97
14) Carbon disulfide	4.379	76	7814	0.61	ug/L	98
16) Methylene chloride	4.915	84	18389	3.59	ug/L	98
17) Methyl tert-butyl Ether	5.433	73	1482	0.29	ug/L #	72
21) 2-Butanone	7.171	43	55423	59.19	ug/L	99
34) Benzene	8.323	78	1010390	61.09	ug/L	100
44) Toluene	10.390	91	538450	29.06	ug/L	98
47) Tetrachloroethene	10.865	164	4268	1.18	ug/L	93
49) 2-Hexanone	10.969	43	4350	3.16	ug/L #	95
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

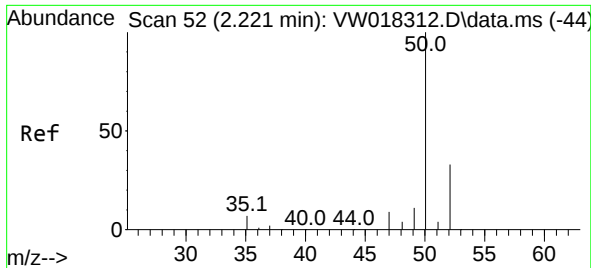
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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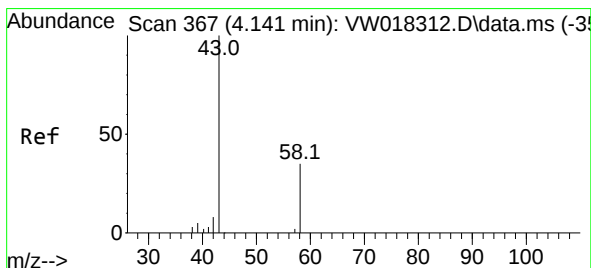
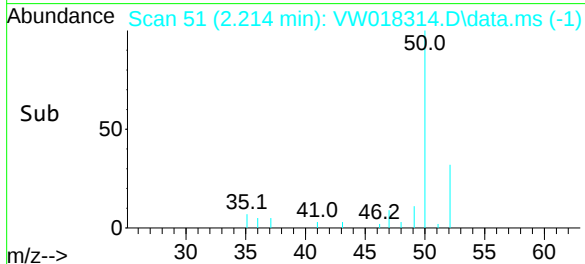
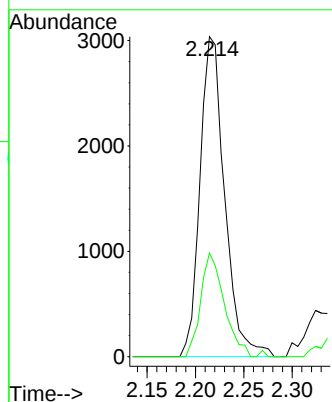
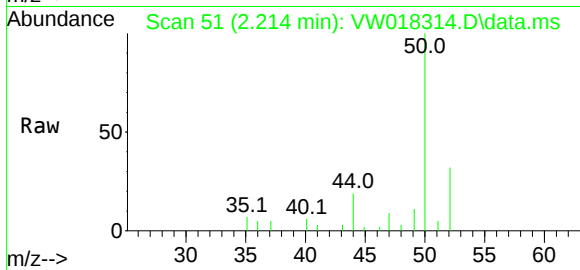




#3
Chloromethane
Concen: 1.77 ug/L
RT: 2.214 min Scan# 51
Delta R.T. -0.007 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

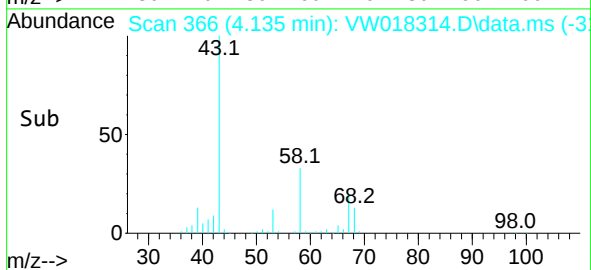
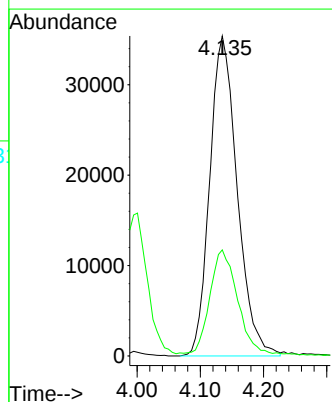
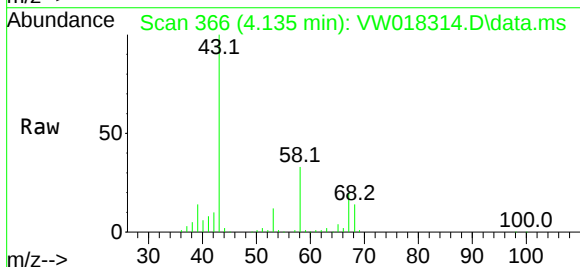
Instrument :
MSVOA_W
ClientSampled :
BG569

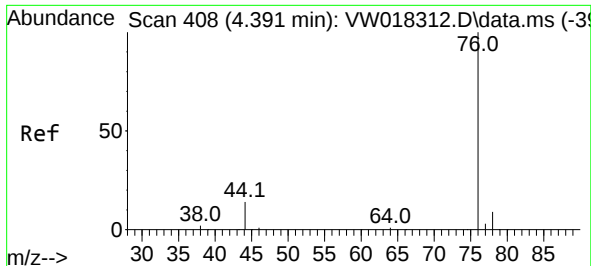
Tgt Ion: 50 Resp: 5394
Ion Ratio Lower Upper
50 100
52 32.4 23.7 43.9



#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

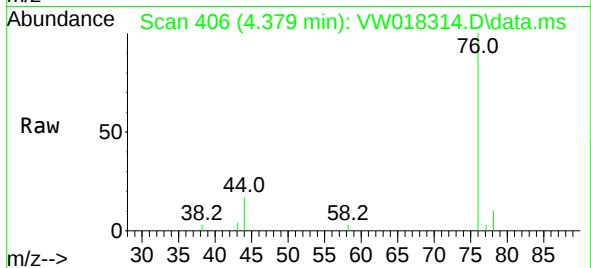
Tgt Ion: 43 Resp: 106771
Ion Ratio Lower Upper
43 100
58 32.8 0.0 62.2



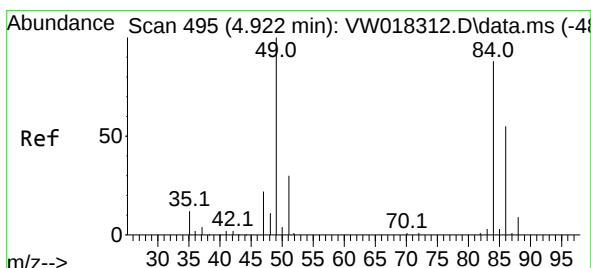
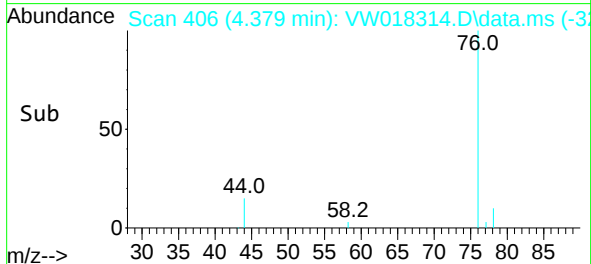
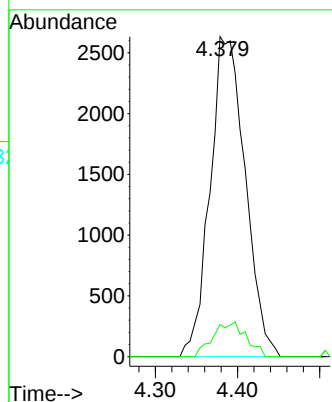


#14
Carbon disulfide
Concen: 0.61 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.013 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

Instrument :
MSVOA_W
ClientSampled :
BG569

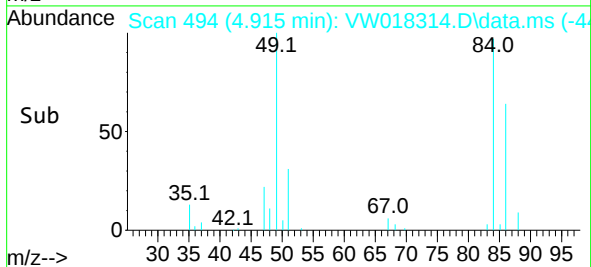
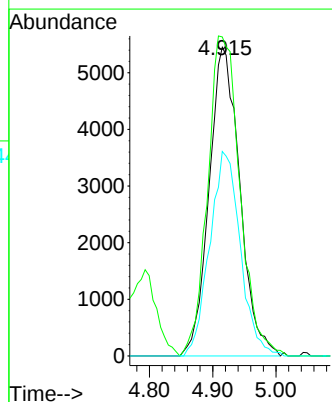
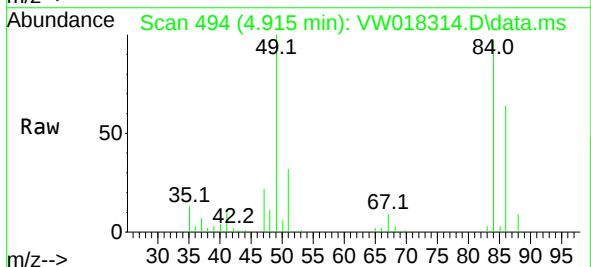


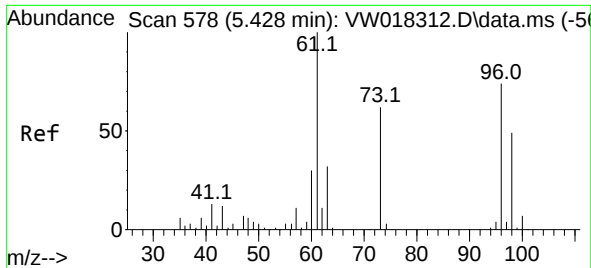
Tgt Ion: 76 Resp: 7814
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2



#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

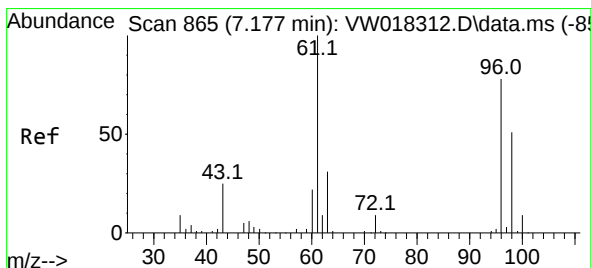
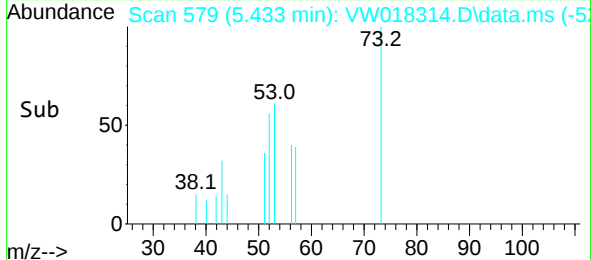
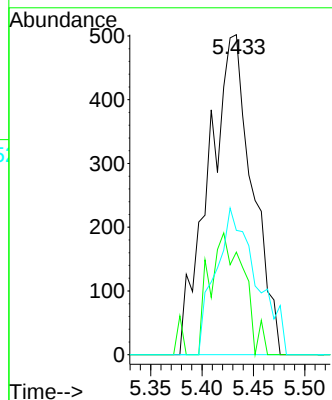
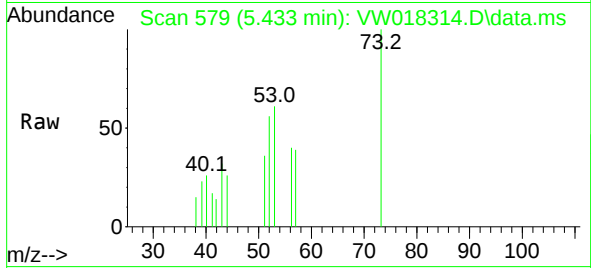




#17
Methyl tert-butyl Ether
Concen: 0.29 ug/L
RT: 5.433 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

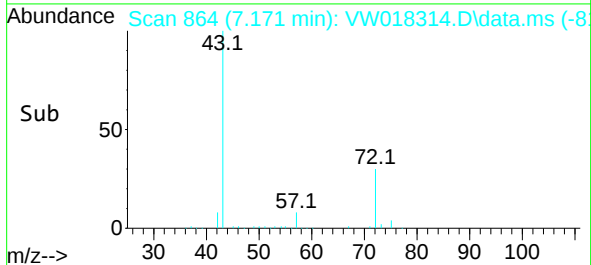
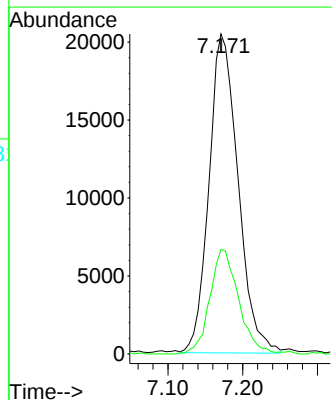
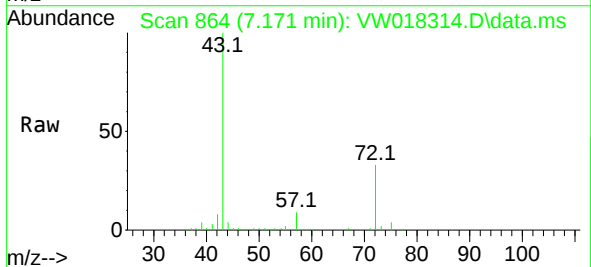
Instrument :
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ClientSampleId :
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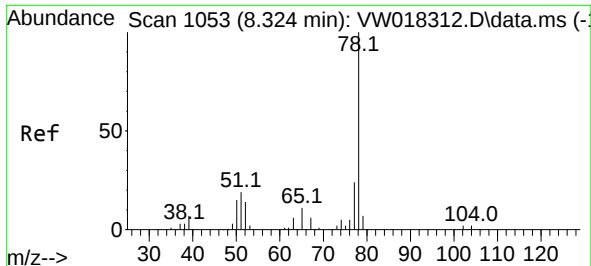
Tgt Ion: 73 Resp: 1482
Ion Ratio Lower Upper
73 100
43 12.3 16.6 24.8#
57 37.2 15.9 23.9#



#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

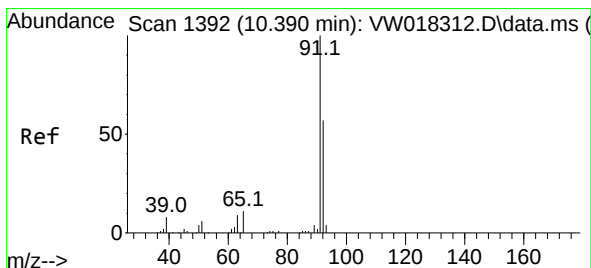
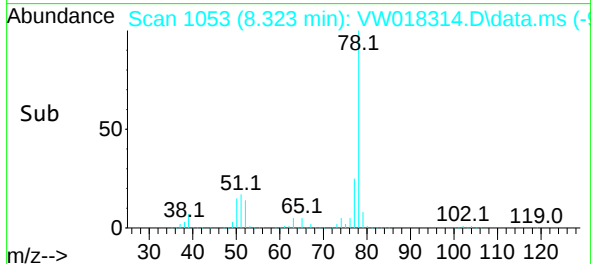
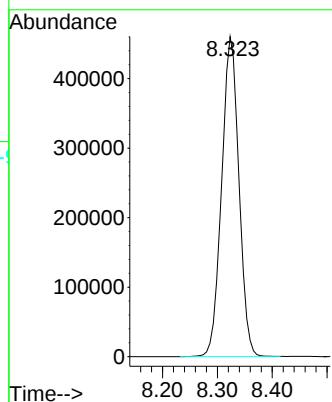
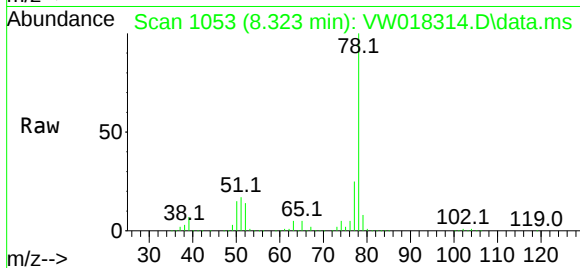




#34
Benzene
Concen: 61.09 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

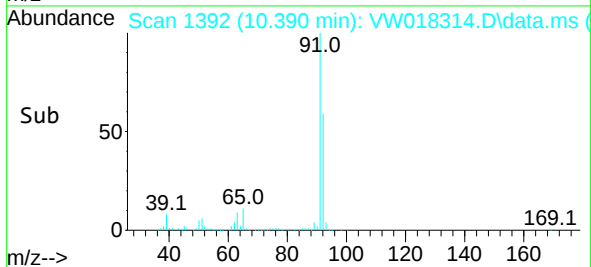
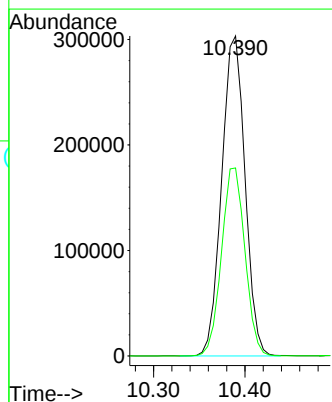
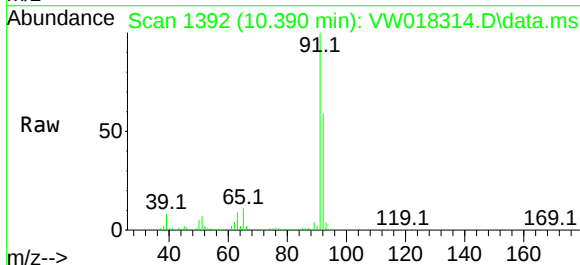
Instrument :
MSVOA_W
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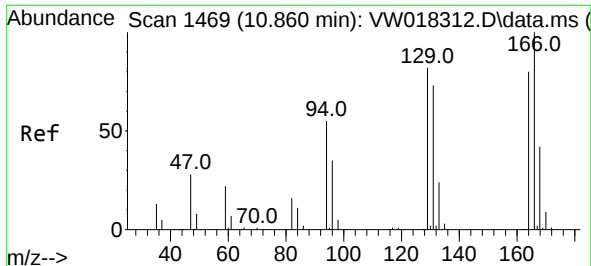
Tgt Ion: 78 Resp: 1010390



#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

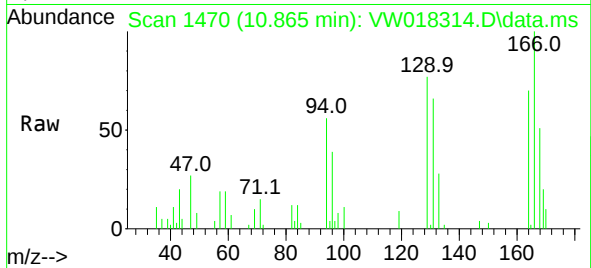
Tgt Ion: 91 Resp: 538450
Ion Ratio Lower Upper
91 100
92 58.7 42.3 78.5



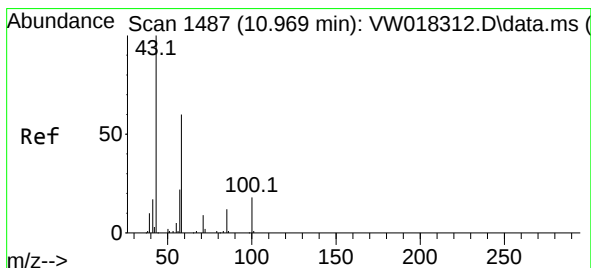
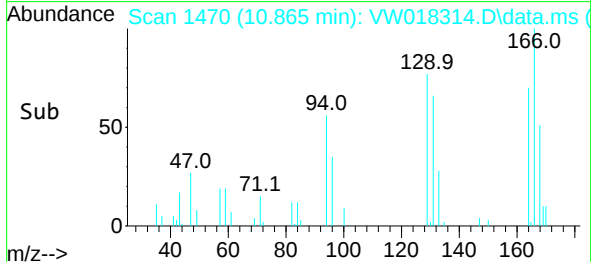
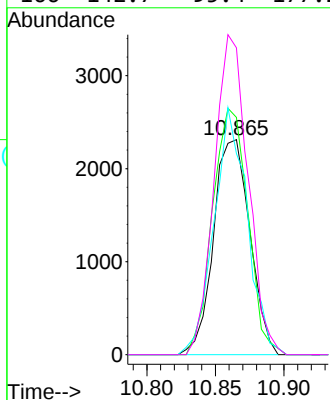


#47
Tetrachloroethene
Concen: 1.18 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

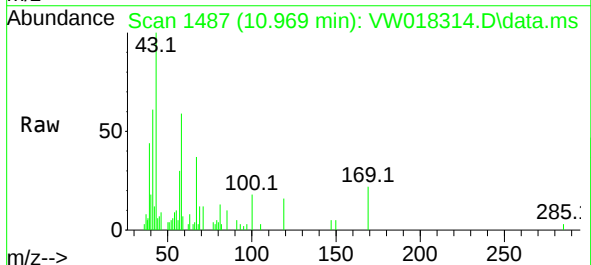
Instrument :
MSVOA_W
ClientSampled :
BG569



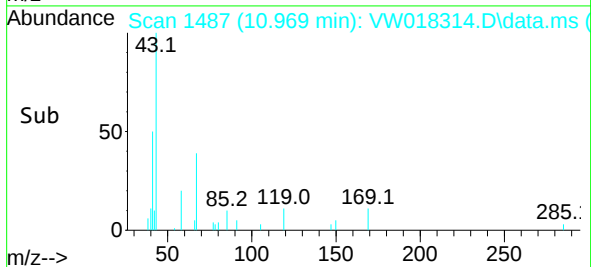
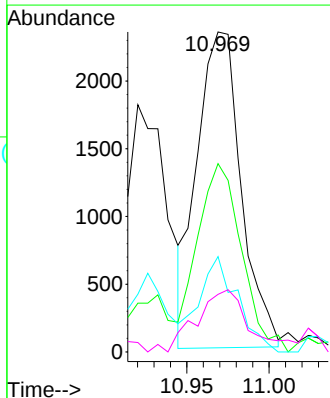
Tgt Ion:	164	Resp:	4268
Ion	Ratio	Lower	Upper
164	100		
129	110.4	68.8	127.8
131	93.5	68.3	126.8
166	142.7	95.4	177.2

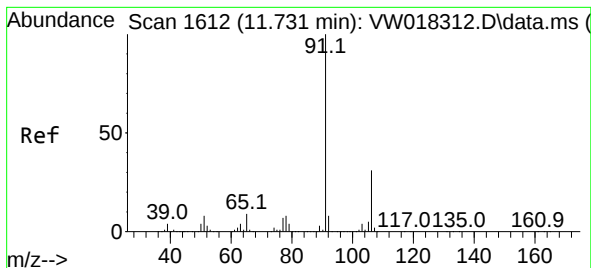


#49
2-Hexanone
Concen: 3.16 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03



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#

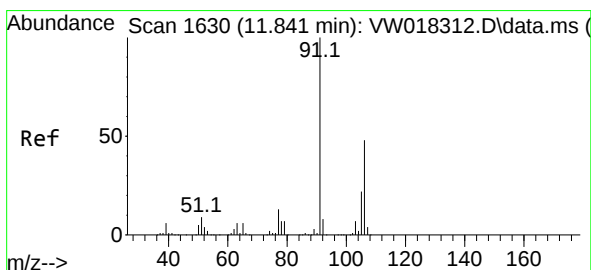
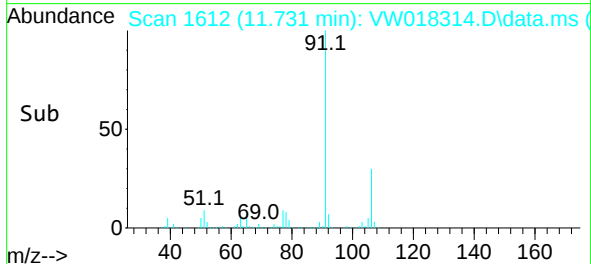
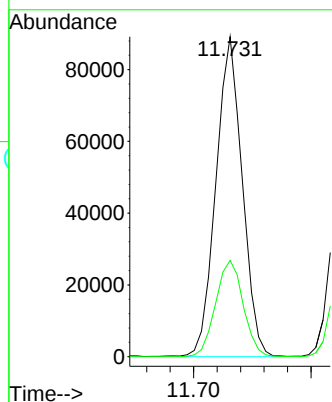
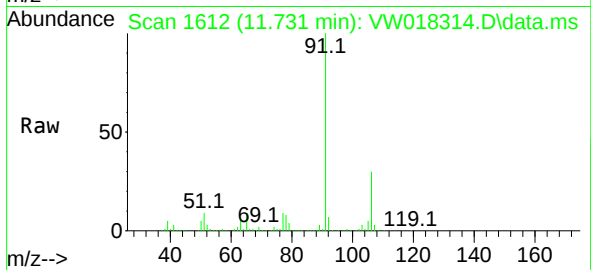




#53
Ethylbenzene
Concen: 6.52 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

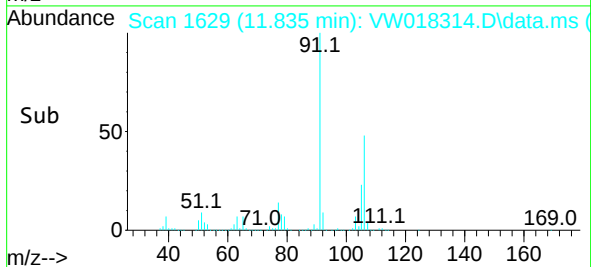
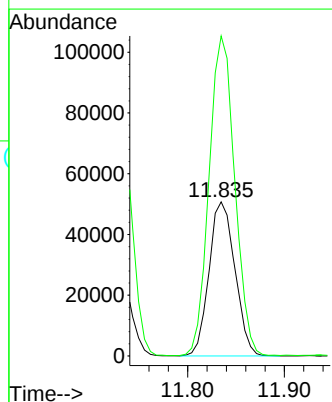
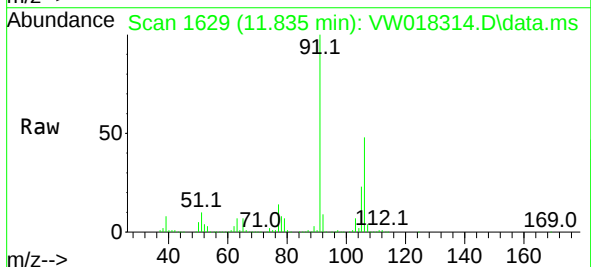
Instrument :
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BG569

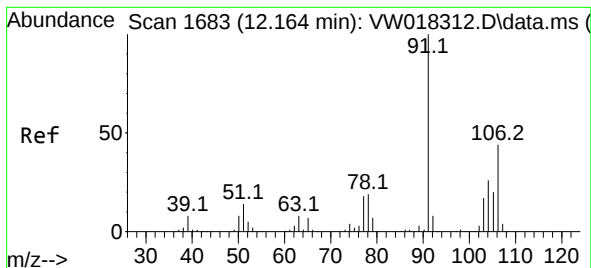
Tgt Ion: 91 Resp: 138778
Ion Ratio Lower Upper
91 100
106 30.1 21.7 40.3



#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

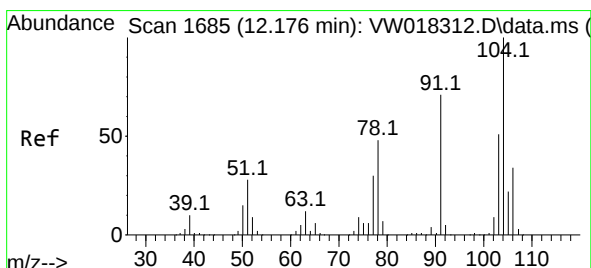
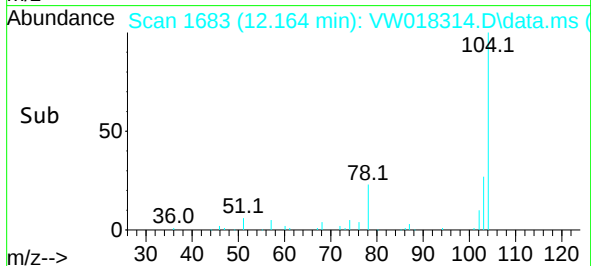
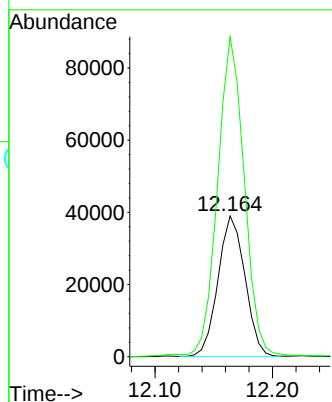
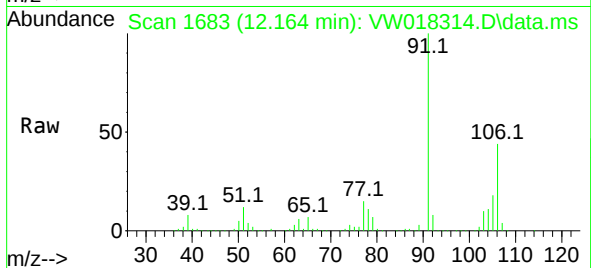




#55
o-xylene
Concen: 8.26 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018314.D
Acq: 12 Mar 2021 13:03

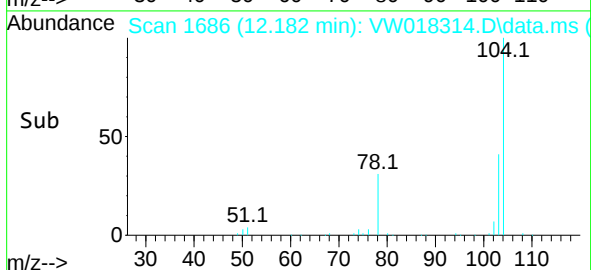
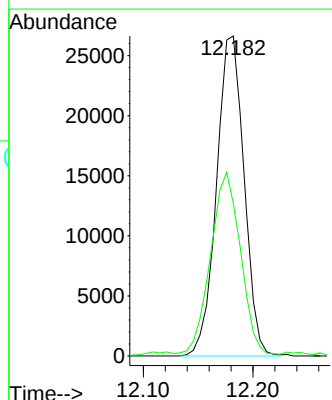
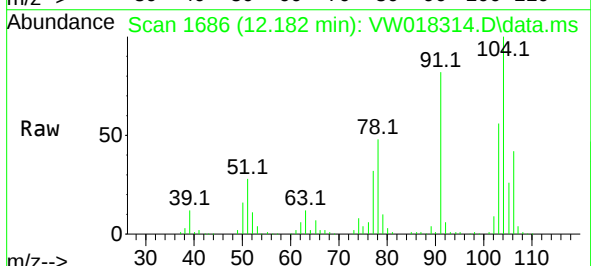
Instrument :
MSVOA_W
ClientSampled :
BG569

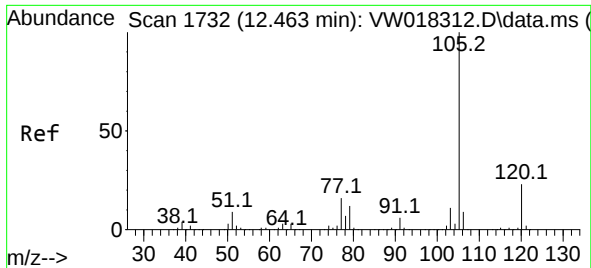
Tgt Ion:106 Resp: 62315
Ion Ratio Lower Upper
106 100
91 227.2 154.3 286.5



#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#

