

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040121\
 Data File : VW018517.D
 Acq On : 31 Mar 2021 17:11
 Operator : SY/VA
 Sample : M1859-10
 Misc : 6.12G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG549

Quant Time: Apr 01 02:06:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 01 02:04:50 2021
 Response via : Initial Calibration

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

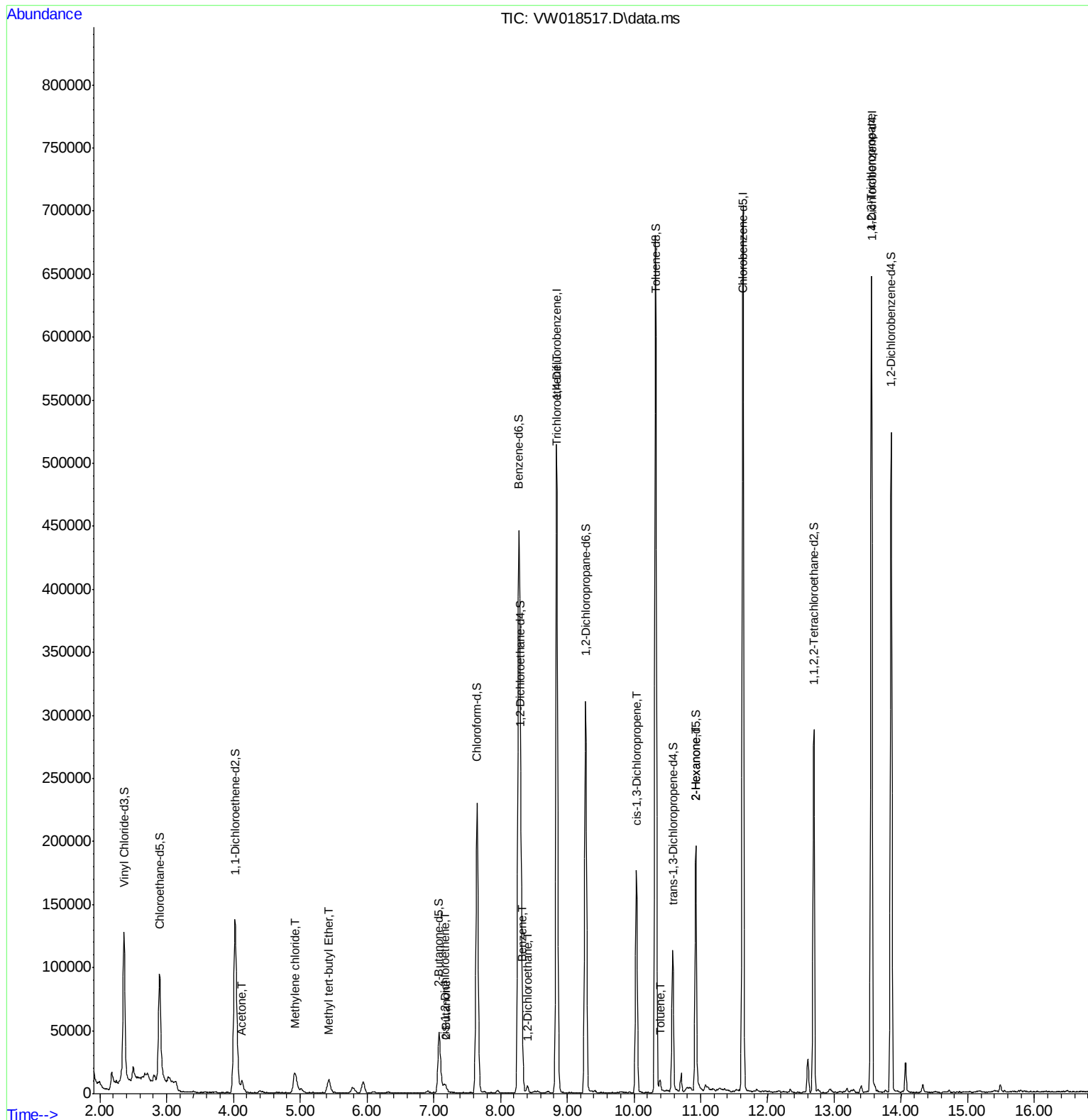
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	422592	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	380946	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	164088	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	148432	25.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	100.96%		
7) Chloroethane-d5	2.891	69	117166	22.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.04%		
10) 1,1-Dichloroethene-d2	4.019	63	157326	15.49	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	61.96%		
20) 2-Butanone-d5	7.080	46	80274	61.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	122.62%		
24) Chloroform-d	7.647	84	229361	21.31	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	85.24%		
26) 1,2-Dichloroethane-d4	8.305	65	153271	24.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	97.56%		
29) Benzene-d6	8.275	84	453926	22.41	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.64%		
33) 1,2-Dichloropropane-d6	9.274	67	132457	22.67	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	90.68%		
37) Toluene-d8	10.323	98	427960	21.95	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.80%		
38) trans-1,3-Dichloroprop...	10.579	79	59589	19.78	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	79.12%		
39) 2-Hexanone-d5	10.927	63	65160	57.00	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	114.00%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	137000	26.22	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	104.88%		
61) 1,2-Dichlorobenzene-d4	13.853	152	128007	21.94	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.76%		
Target Compounds						Qvalue
13) Acetone	4.123	43	14744	15.68	ug/L	89
16) Methylene chloride	4.922	84	14213	2.05	ug/L	90
17) Methyl tert-butyl Ether	5.434	73	16382	2.11	ug/L	94
21) 2-Butanone	7.183	43	2167	1.45	ug/L	72
22) cis-1,2-Dichloroethene	7.171	96	1959	0.32	ug/L	88
27) 1,2-Dichloroethane	8.403	62	4496	0.60	ug/L	100
34) Benzene	8.329	78	7890	0.36	ug/L	100
35) Trichloroethene	8.848	95	13487	2.21	ug/L #	6
42) cis-1,3-Dichloropropene	10.036	75	5096	0.56	ug/L #	76
44) Toluene	10.390	91	7069	0.28	ug/L	88
49) 2-Hexanone	10.927	43	8605	3.75	ug/L #	64
59) 1,2,3-Trichloropropane	13.554	75	21211	5.39	ug/L	97

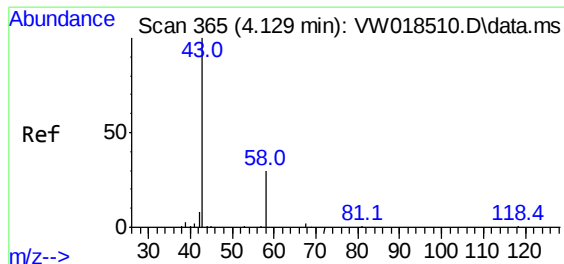
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 01 02:04:50 2021
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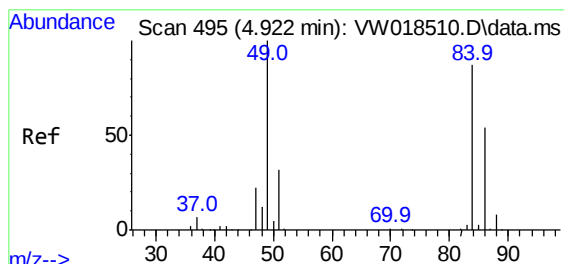
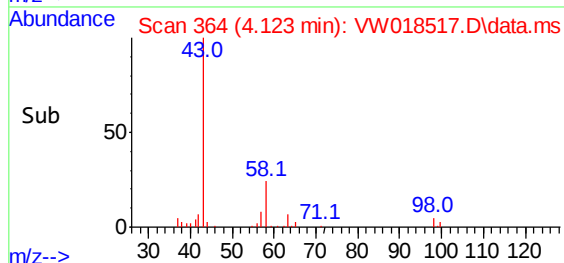
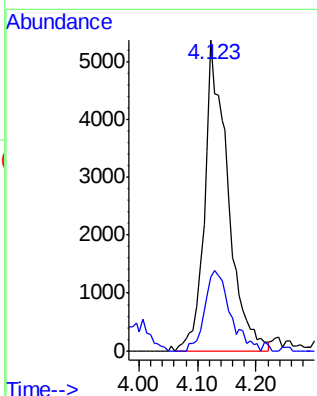
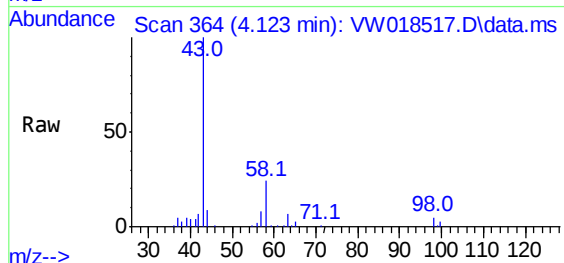




#13
Acetone
Concen: 15.68 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

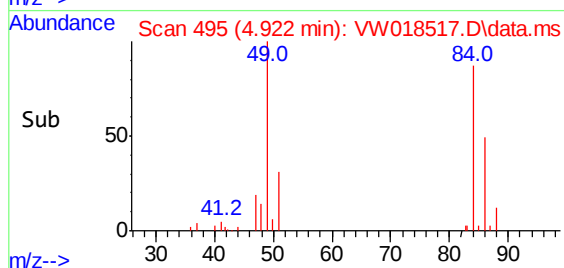
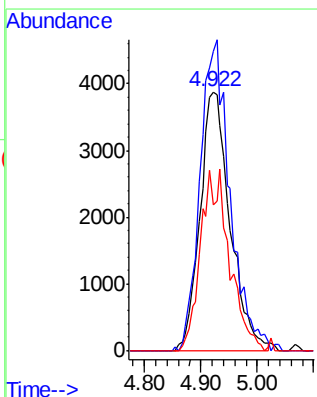
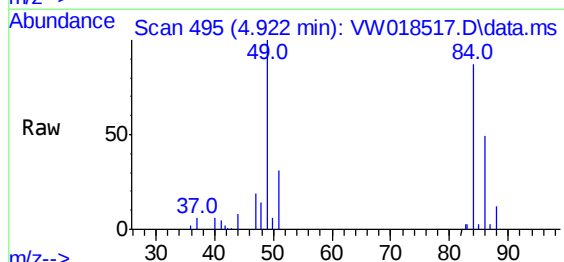
Instrument :
MSVOA_W
ClientSampled :
BG549

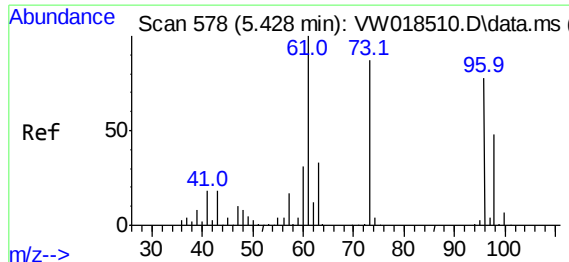
Tgt Ion: 43 Resp: 14744
Ion Ratio Lower Upper
43 100
58 25.2 0.0 62.2



#16
Methylene chloride
Concen: 2.05 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Tgt Ion: 84 Resp: 14213
Ion Ratio Lower Upper
84 100
49 115.4 74.4 138.2
86 56.5 46.1 85.7



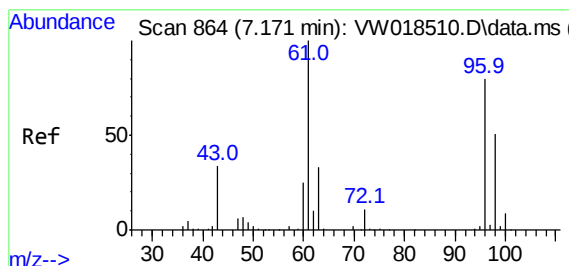
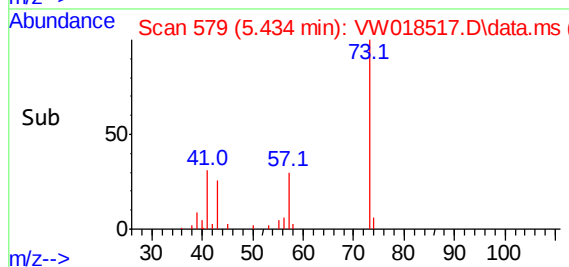
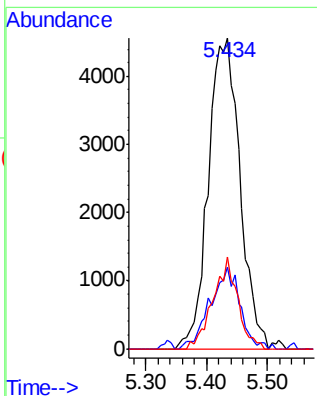
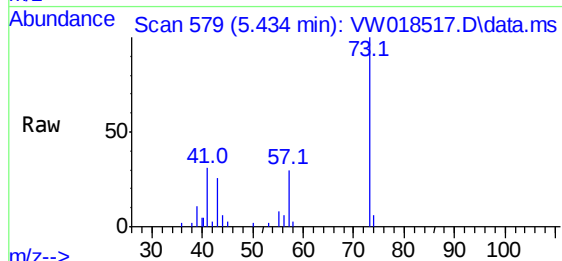


#17
Methyl tert-butyl Ether
Concen: 2.11 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Instrument :
MSVOA_W
ClientSampled :
BG549

Tgt Ion: 73 Resp: 16382

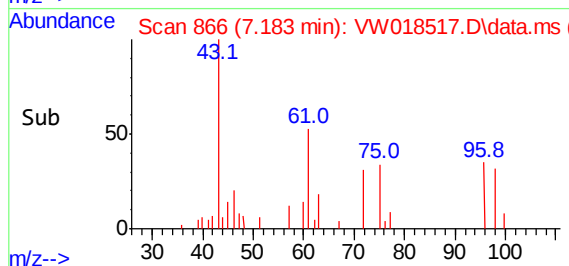
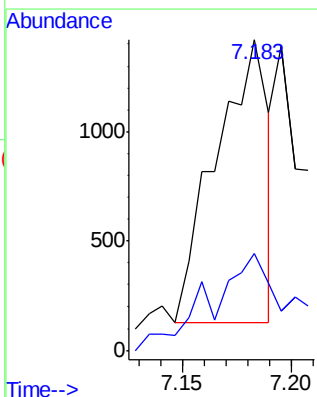
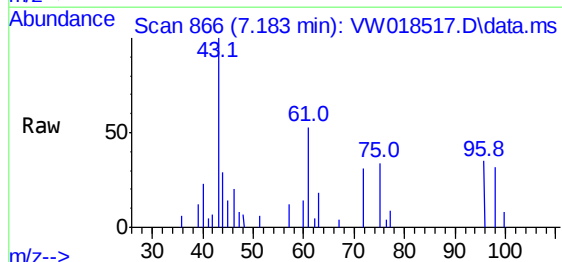
Ion	Ratio	Lower	Upper
73	100		
43	17.9	16.6	24.8
57	23.0	15.9	23.9

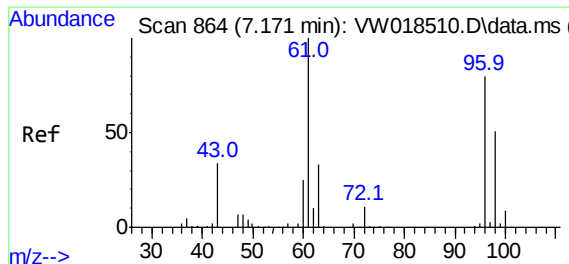


#21
2-Butanone
Concen: 1.45 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Tgt Ion: 43 Resp: 2167

Ion	Ratio	Lower	Upper
43	100		
72	17.2	16.5	49.5

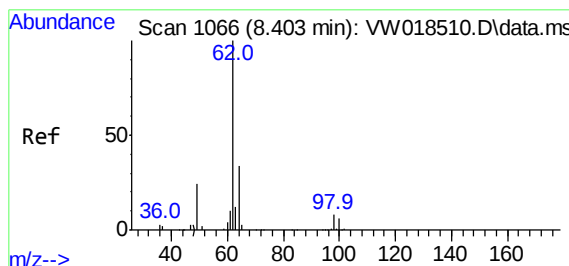
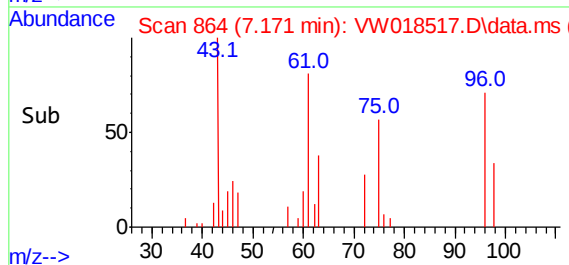
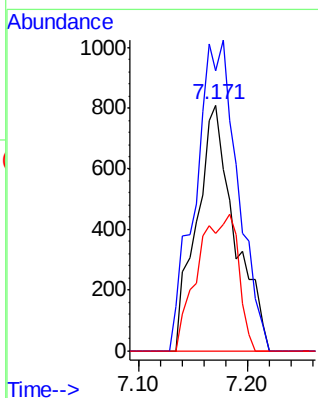
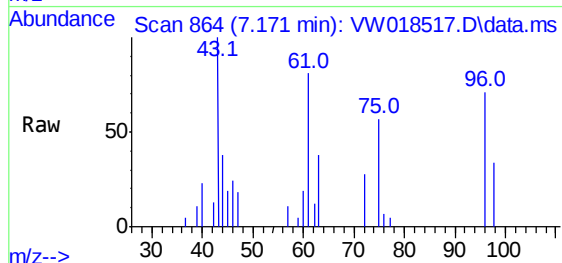




#22
 cis-1,2-Dichloroethene
 Concen: 0.32 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW018517.D
 Acq: 31 Mar 2021 17:11

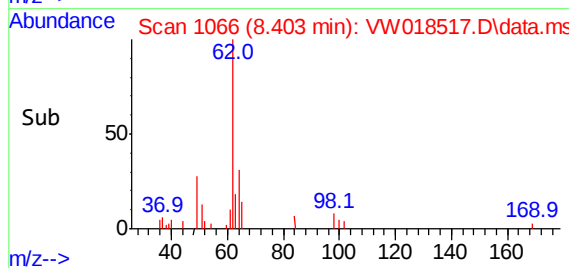
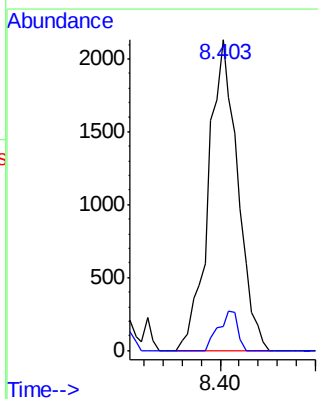
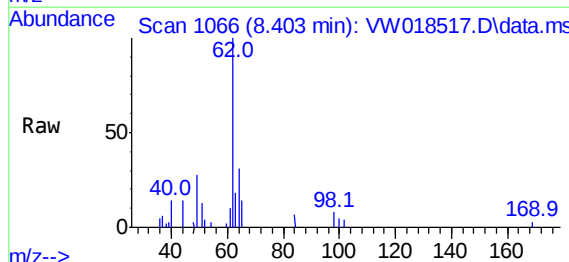
Instrument :
 MSVOA_W
 ClientSampleId :
 BG549

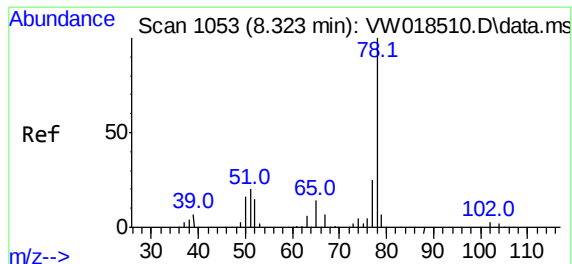
Tgt Ion:	96	Resp:	1959
Ion	Ratio	Lower	Upper
96	100		
61	114.0	84.8	157.6
98	47.6	45.1	83.9



#27
 1,2-Dichloroethane
 Concen: 0.60 ug/L
 RT: 8.403 min Scan# 1066
 Delta R.T. -0.000 min
 Lab File: VW018517.D
 Acq: 31 Mar 2021 17:11

Tgt Ion:	62	Resp:	4496
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.4	9.6

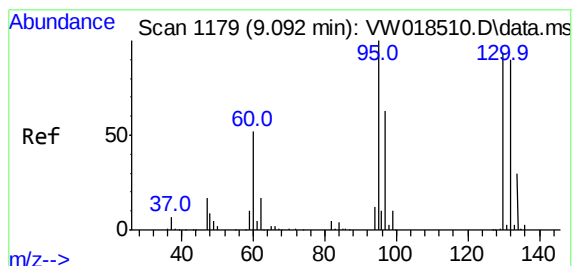
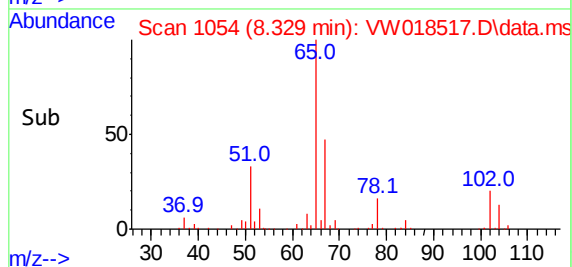
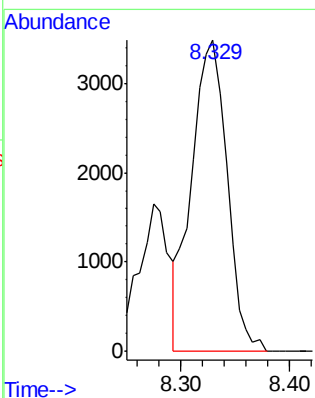
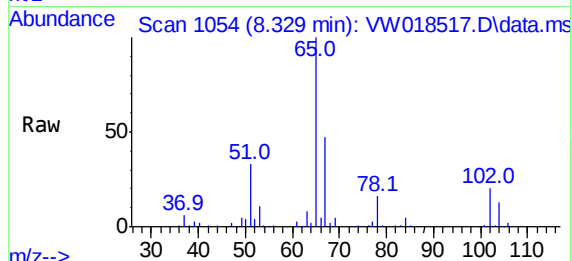




#34
Benzene
Concen: 0.36 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Instrument :
MSVOA_W
ClientSampleId :
BG549

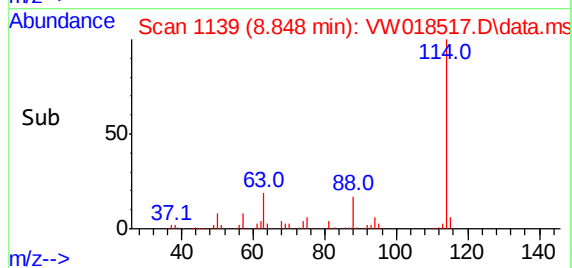
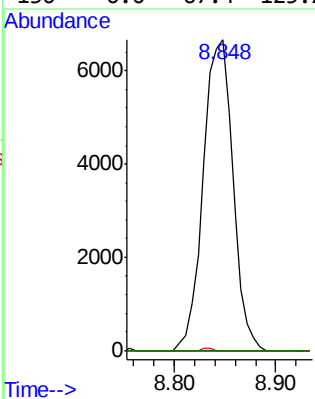
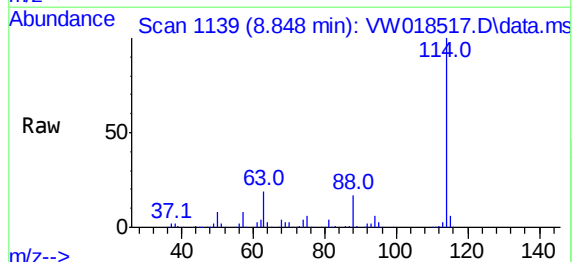
Tgt Ion: 78 Resp: 7890

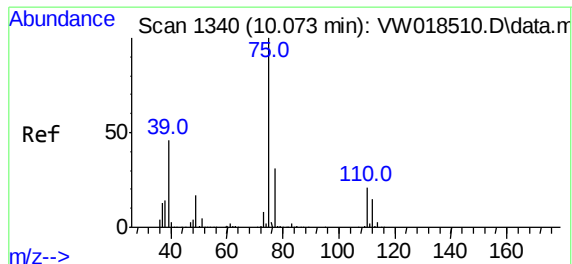


#35
Trichloroethene
Concen: 2.21 ug/L
RT: 8.848 min Scan# 1139
Delta R.T. -0.244 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Tgt Ion: 95 Resp: 13487

Ion	Ratio	Lower	Upper
95	100		
97	0.0	44.4	82.4#
132	0.3	65.9	122.5#
130	0.0	67.4	125.2#

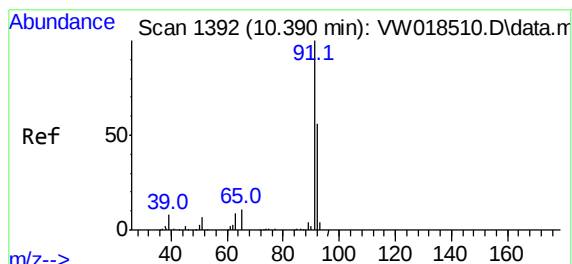
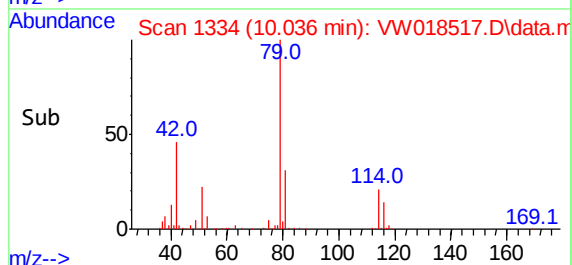
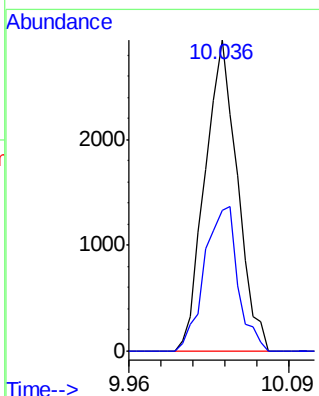
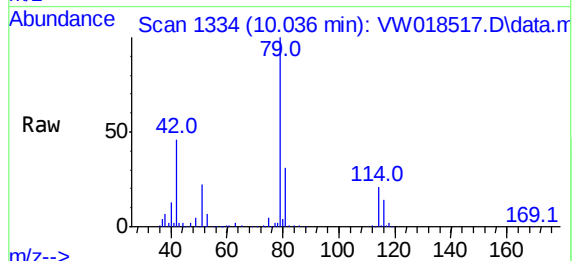




#42
cis-1,3-Dichloropropene
Concen: 0.56 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

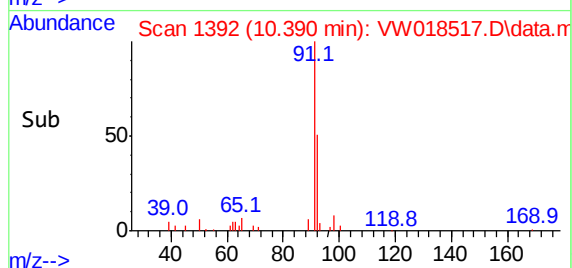
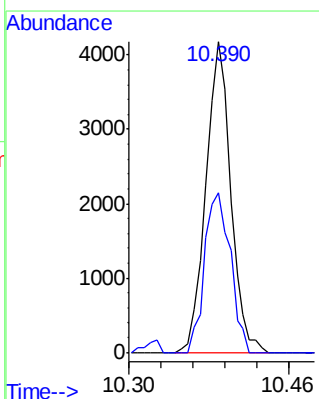
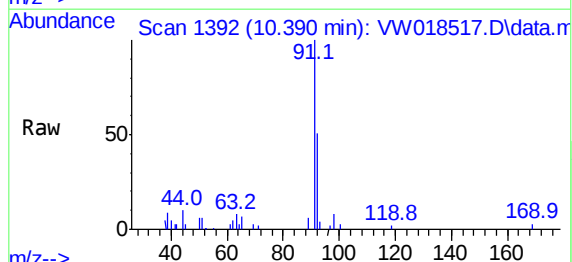
Instrument :
MSVOA_W
ClientSampled :
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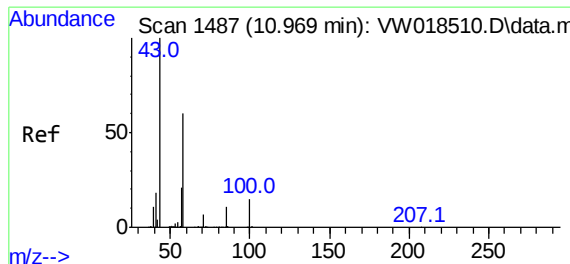
Tgt Ion: 75 Resp: 5096
Ion Ratio Lower Upper
75 100
77 45.3 22.4 41.6#



#44
Toluene
Concen: 0.28 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Tgt Ion: 91 Resp: 7069
Ion Ratio Lower Upper
91 100
92 51.3 42.3 78.5

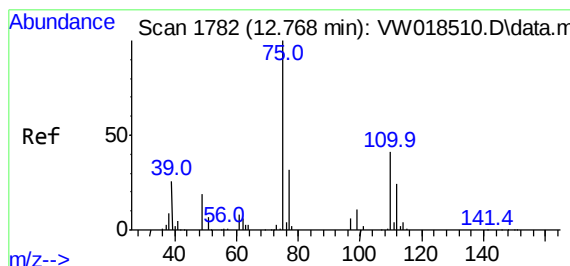
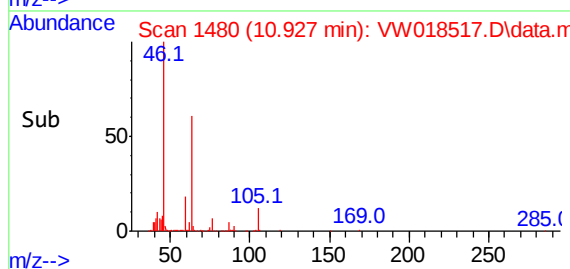
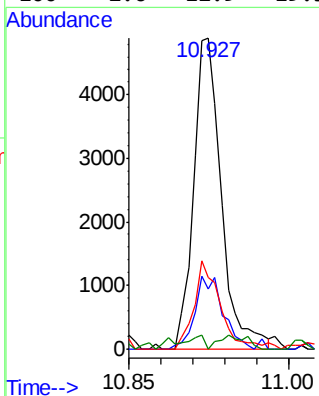
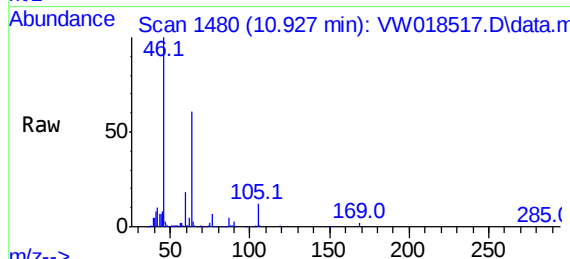




#49
2-Hexanone
Concen: 3.75 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Instrument :
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ClientSampleId :
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Tgt Ion:	43	Resp:	8605
Ion	Ratio	Lower	Upper
43	100		
58	23.8	47.3	70.9#
57	25.8	17.3	25.9
100	2.6	12.9	19.3#



#59
1,2,3-Trichloropropane
Concen: 5.39 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW018517.D
Acq: 31 Mar 2021 17:11

Tgt Ion:	75	Resp:	21211
Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.6	38.4

