

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030921\
 Data File : VW018273.D
 Acq On : 09 Mar 2021 18:16
 Operator : SY/VA
 Sample : M1610-12
 Misc : 5.47G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG565

Quant Time: Mar 10 02:18:35 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	8.842	114	242762	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	201051	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	73594	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	82838	31.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.04%
7) Chloroethane-d5	2.898	69	63565	29.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.08%
10) 1,1-Dichloroethene-d2	4.025	63	128428	21.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.08%
20) 2-Butanone-d5	7.080	46	32466	51.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.88%
24) Chloroform-d	7.647	84	178146	27.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.36%
26) 1,2-Dichloroethane-d4	8.305	65	100654	27.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.24%
29) Benzene-d6	8.275	84	328851	30.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.88%
33) 1,2-Dichloropropane-d6	9.274	67	90797	30.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.48%#
37) Toluene-d8	10.323	98	309461	29.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	119.84%
38) trans-1,3-Dichloroprop...	10.579	79	38214	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.96%
39) 2-Hexanone-d5	10.927	63	27070	54.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.74%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	67716	26.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.80%
61) 1,2-Dichlorobenzene-d4	13.853	152	79527	29.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.92%

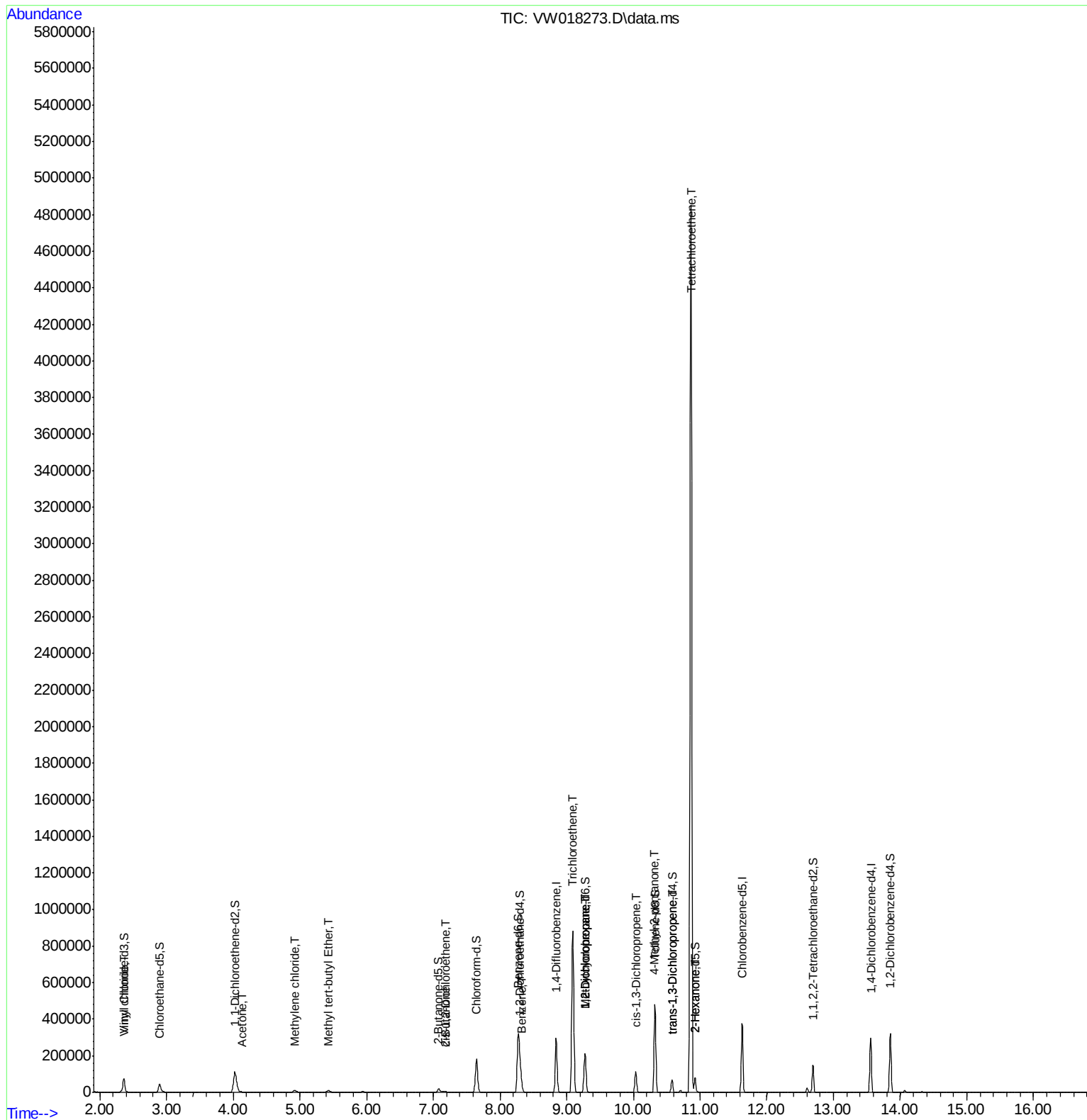
Target Compounds					Qvalue
5) Vinyl chloride	2.367	62	2789	0.82 ug/L	# 14
13) Acetone	4.135	43	3282	6.72 ug/L	99
16) Methylene chloride	4.928	84	9637	2.60 ug/L	97
17) Methyl tert-butyl Ether	5.428	73	16176	4.42 ug/L	# 91
21) 2-Butanone	7.183	43	477	0.70 ug/L	92
22) cis-1,2-Dichloroethene	7.177	96	3063	0.86 ug/L	81
34) Benzene	8.323	78	18070	1.56 ug/L	100
35) Trichloroethene	9.092	95	295475	87.14 ug/L	98
36) Methylcyclohexane	9.274	83	25089	4.60 ug/L	# 21
40) 1,2-Dichloropropane	9.274	63	11855	4.41 ug/L	# 84
42) cis-1,3-Dichloropropene	10.037	75	3076	0.68 ug/L	# 67
43) 4-Methyl-2-pentanone	10.317	43	1308	0.94 ug/L	# 1
45) trans-1,3-Dichloropropene	10.579	75	1889	0.47 ug/L	98
47) Tetrachloroethene	10.866	164	1007546	396.89 ug/L	96
49) 2-Hexanone	10.927	43	3279	3.41 ug/L	# 66

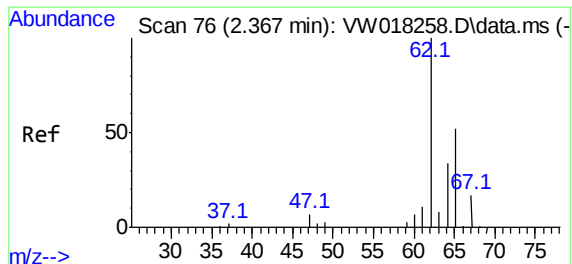
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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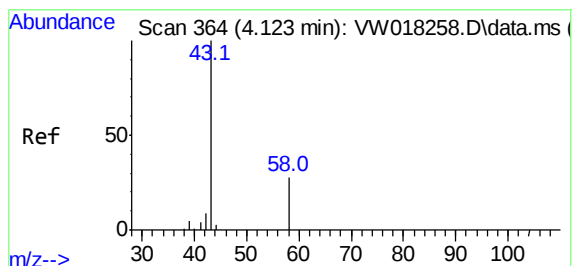
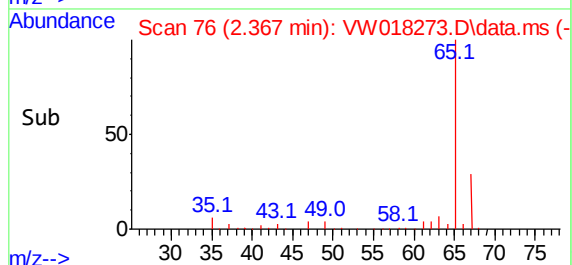
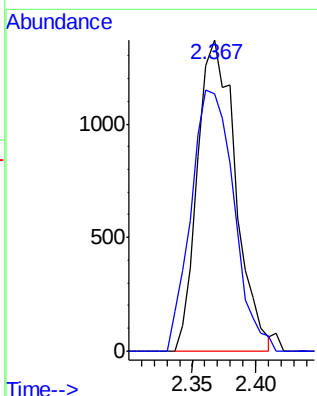
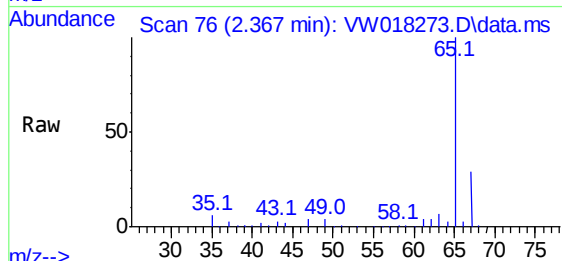




#5
 Vinyl chloride
 Concen: 0.82 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW018273.D
 Acq: 09 Mar 2021 18:16

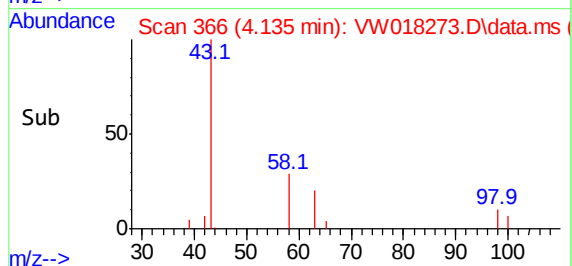
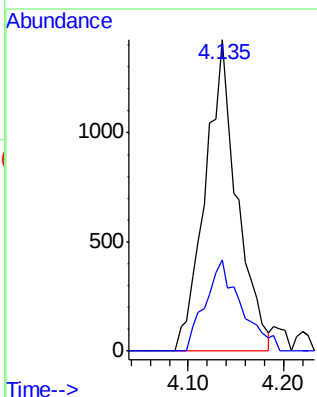
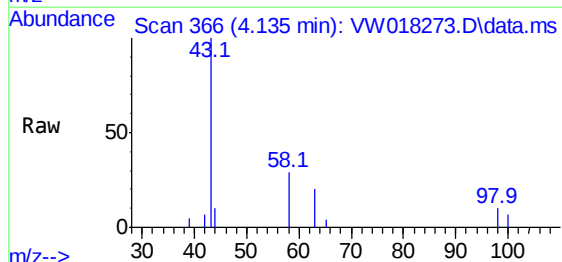
Instrument :
 MSVOA_W
 ClientSampleId :
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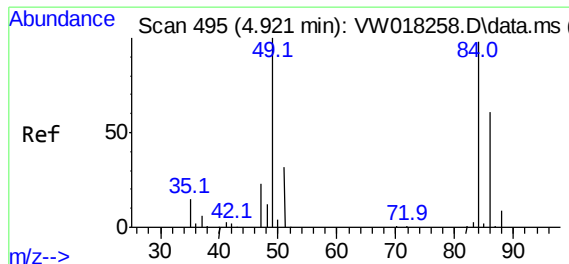
Tgt Ion: 62 Resp: 2789
 Ion Ratio Lower Upper
 62 100
 64 82.7 23.5 43.7#



#13
 Acetone
 Concen: 6.72 ug/L
 RT: 4.135 min Scan# 366
 Delta R.T. 0.012 min
 Lab File: VW018273.D
 Acq: 09 Mar 2021 18:16

Tgt Ion: 43 Resp: 3282
 Ion Ratio Lower Upper
 43 100
 58 31.7 0.0 62.2



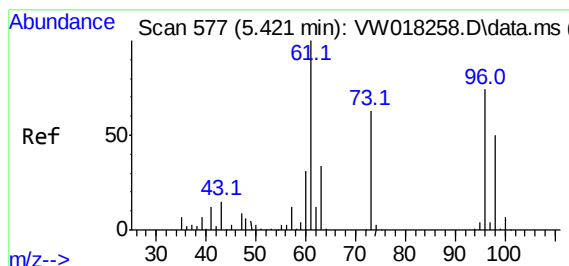
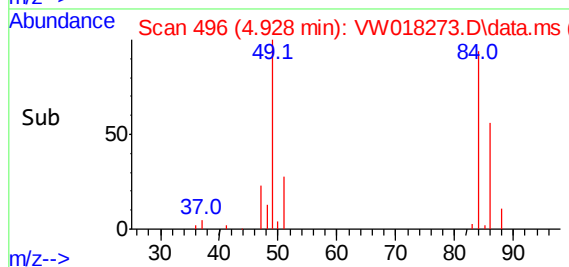
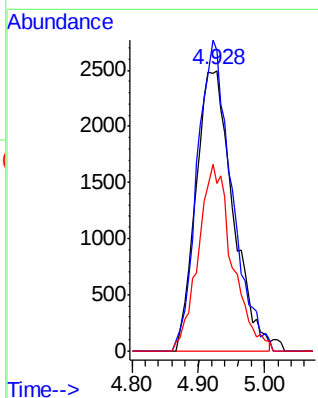
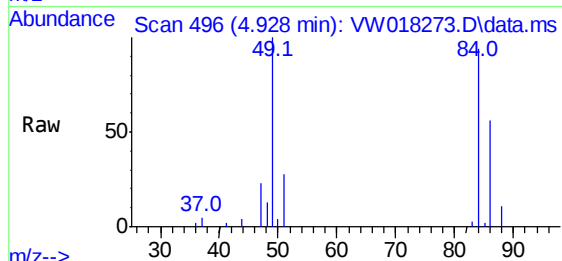


#16
Methylene chloride
Concen: 2.60 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

Instrument :
MSVOA_W
ClientSampleId :
BG565

Tgt Ion: 84 Resp: 9637

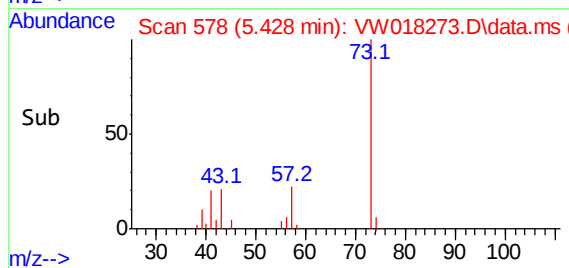
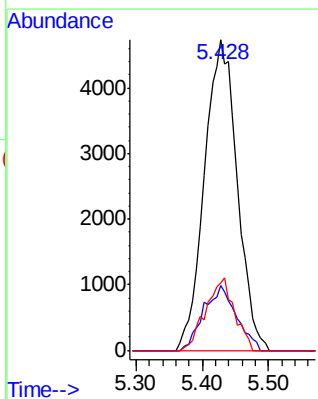
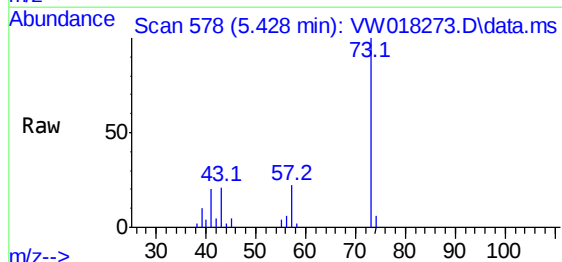
Ion	Ratio	Lower	Upper
84	100		
49	106.9	74.4	138.2
86	59.6	46.1	85.7

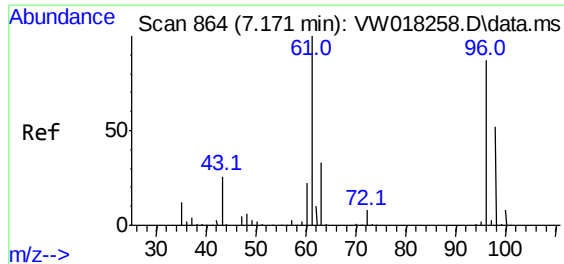


#17
Methyl tert-butyl Ether
Concen: 4.42 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

Tgt Ion: 73 Resp: 16176

Ion	Ratio	Lower	Upper
73	100		
43	13.1	16.6	24.8#
57	20.5	15.9	23.9

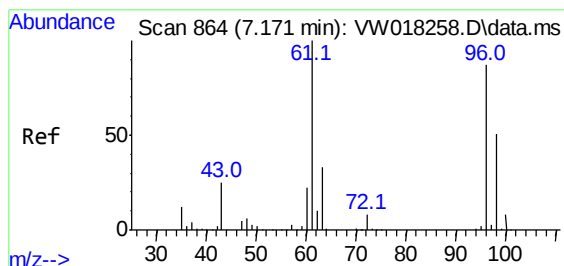
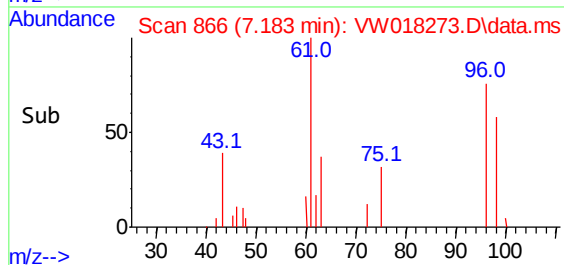
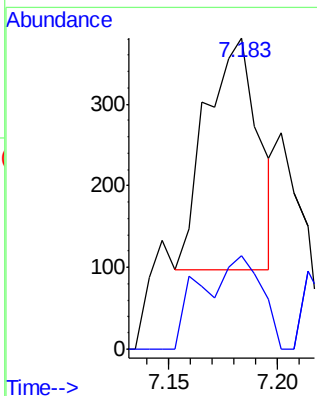
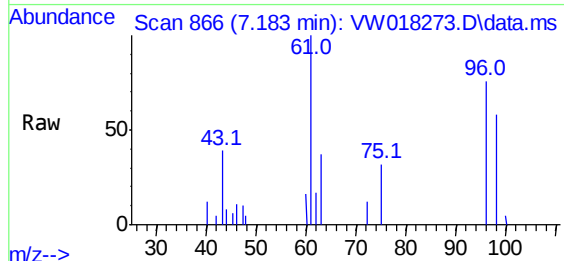




#21
2-Butanone
Concen: 0.70 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

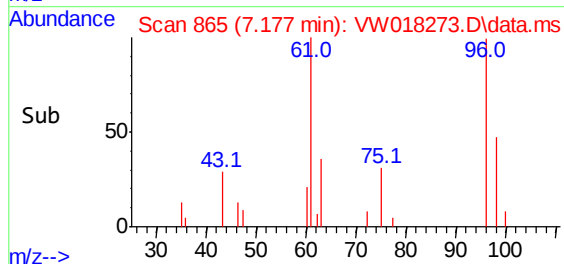
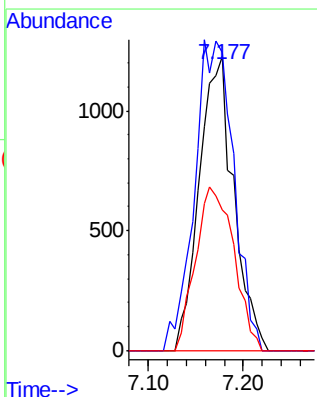
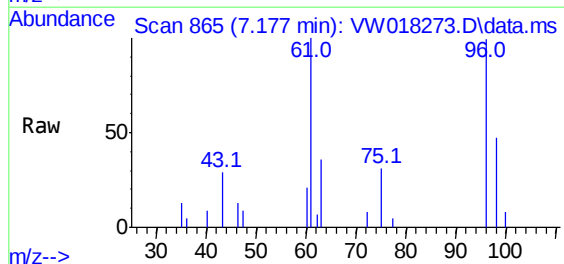
Instrument :
MSVOA_W
ClientSampled :
BG565

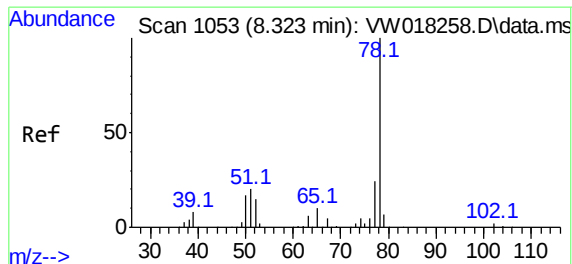
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
72 28.3 16.5 49.5



#22
cis-1,2-Dichloroethene
Concen: 0.86 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

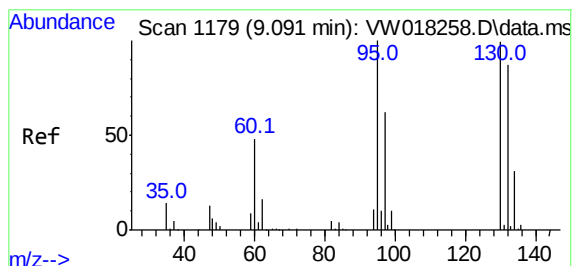
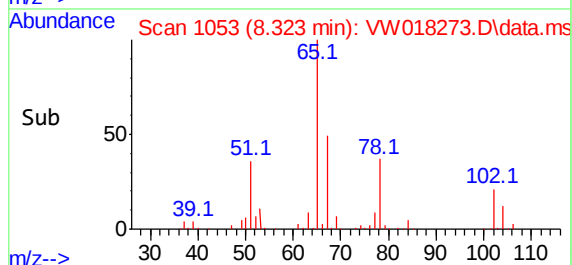
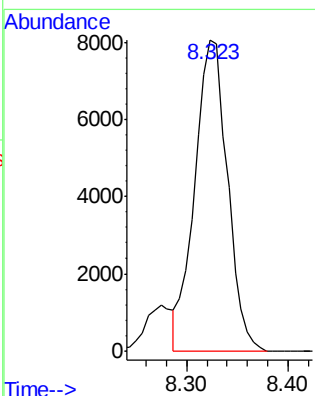
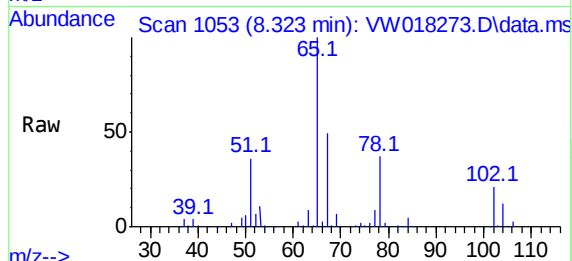
Tgt Ion: 96 Resp: 3063
Ion Ratio Lower Upper
96 100
61 101.1 84.8 157.6
98 47.8 45.1 83.9





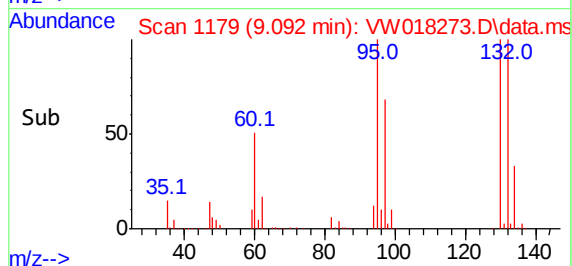
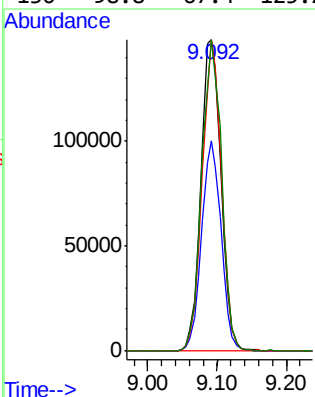
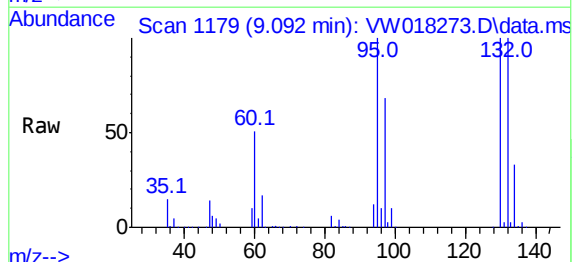
#34
Benzene
Concen: 1.56 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16
Tgt Ion: 78 Resp: 18070

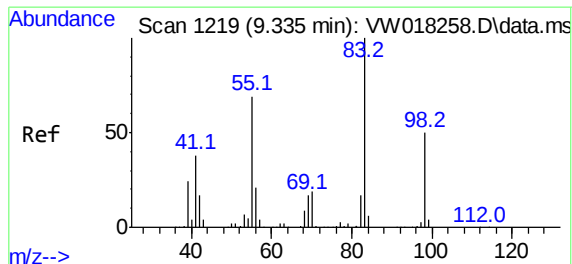
Instrument :
MSVOA_W
ClientSampled :
BG565



#35
Trichloroethene
Concen: 87.14 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16
Tgt Ion: 95 Resp: 295475

Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.4	82.4
132	95.7	65.9	122.5
130	98.8	67.4	125.2

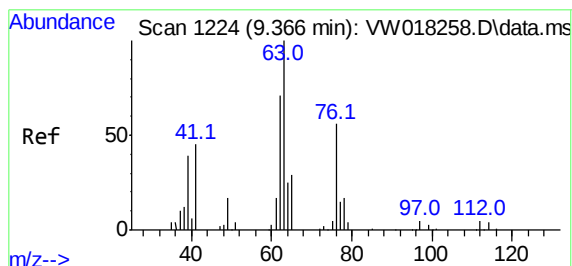
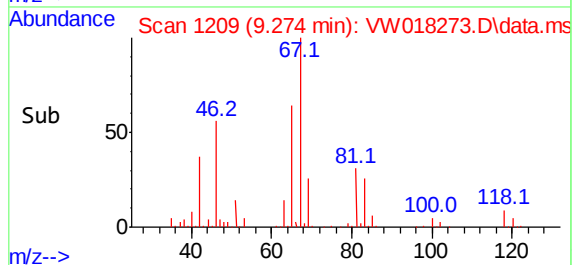
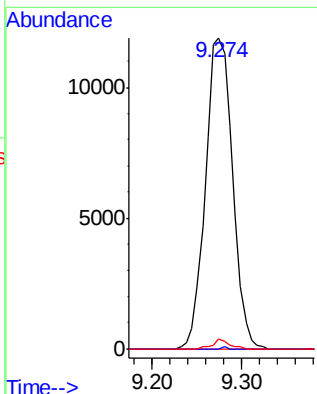
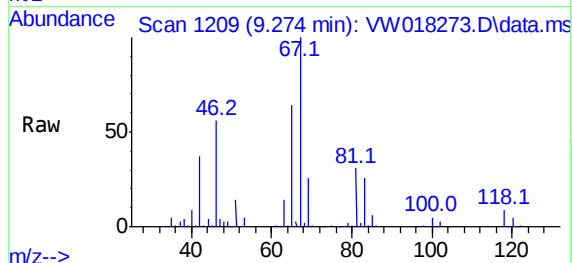




#36
Methylcyclohexane
Concen: 4.60 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

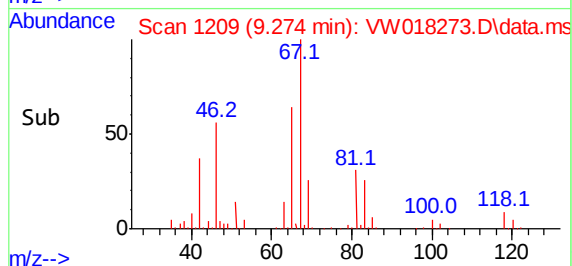
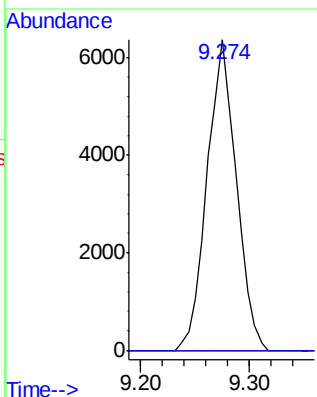
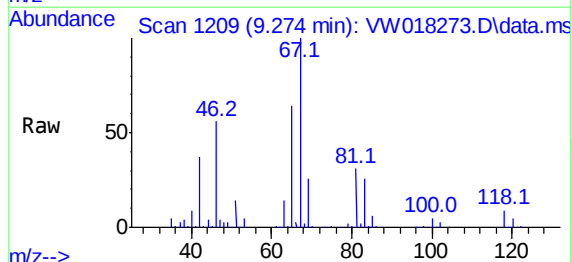
Instrument :
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ClientSampled :
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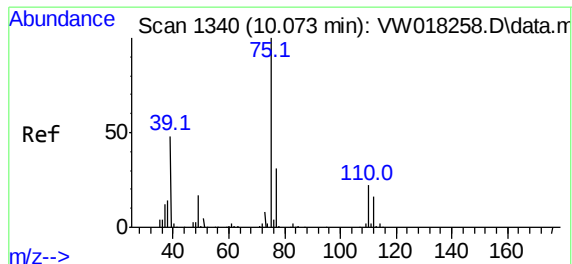
Tgt Ion: 83 Resp: 25089
Ion Ratio Lower Upper
83 100
55 0.0 56.8 85.2#
98 1.9 40.6 61.0#



#40
1,2-Dichloropropane
Concen: 4.41 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

Tgt Ion: 63 Resp: 11855
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#

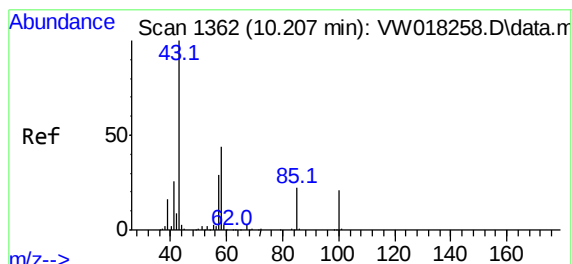
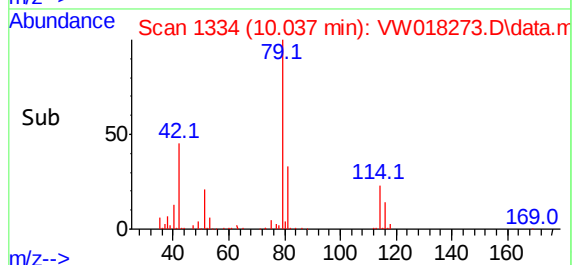
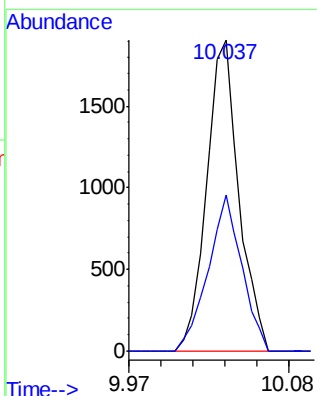
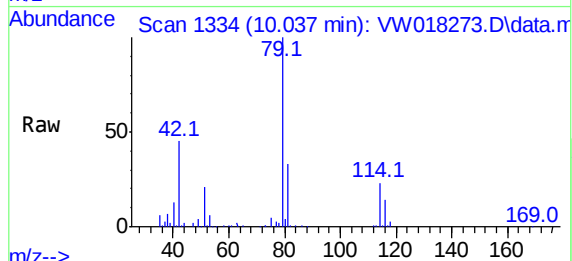




#42
 cis-1,3-Dichloropropene
 Concen: 0.68 ug/L
 RT: 10.037 min Scan# 1334
 Delta R.T. -0.036 min
 Lab File: VW018273.D
 Acq: 09 Mar 2021 18:16

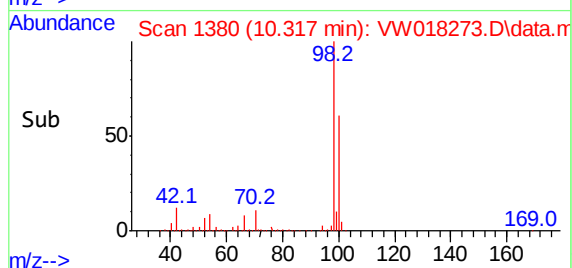
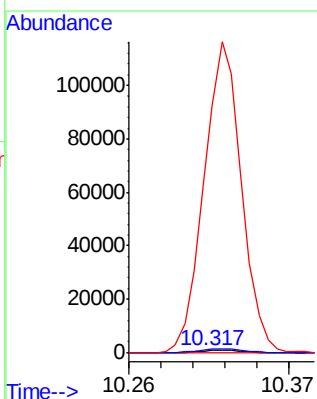
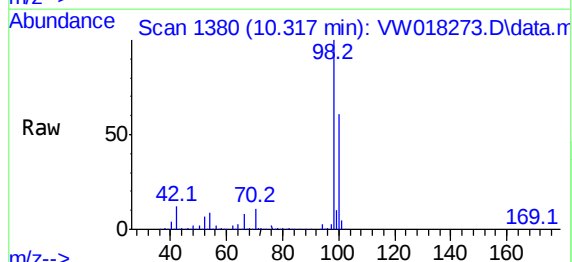
Instrument :
 MSVOA_W
 ClientSampled :
 BG565

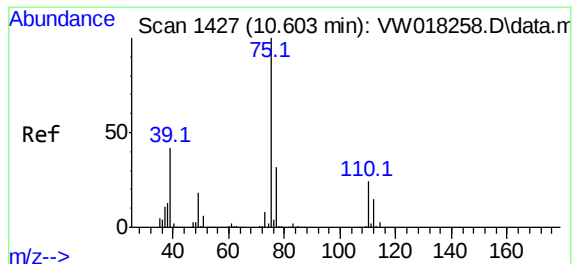
Tgt Ion: 75 Resp: 3076
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.4 41.6#



#43
 4-Methyl-2-pentanone
 Concen: 0.94 ug/L
 RT: 10.317 min Scan# 1380
 Delta R.T. 0.110 min
 Lab File: VW018273.D
 Acq: 09 Mar 2021 18:16

Tgt Ion: 43 Resp: 1308
 Ion Ratio Lower Upper
 43 100
 58 194.6 34.8 52.2#
 100 15176.0 15.9 23.9#

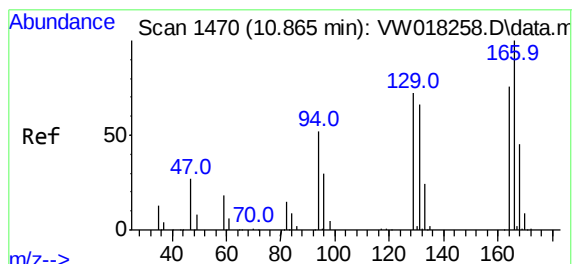
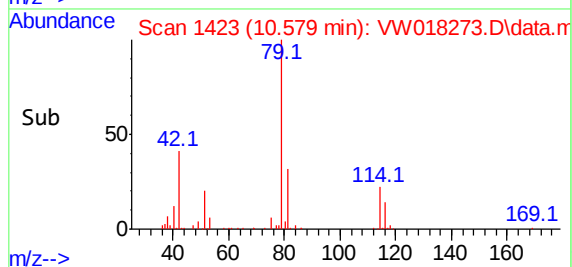
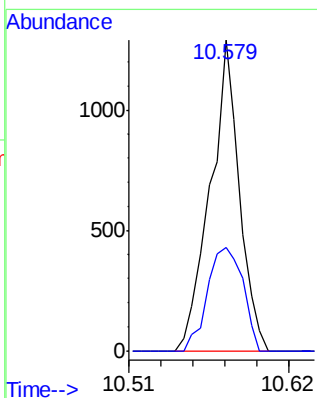
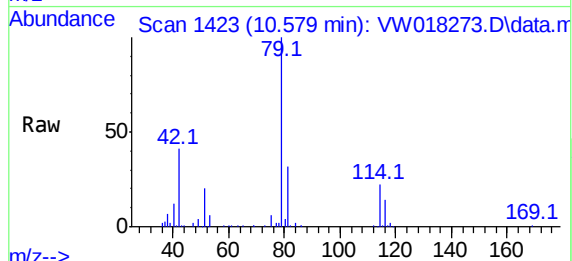




#45
trans-1,3-Dichloropropene
Concen: 0.47 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

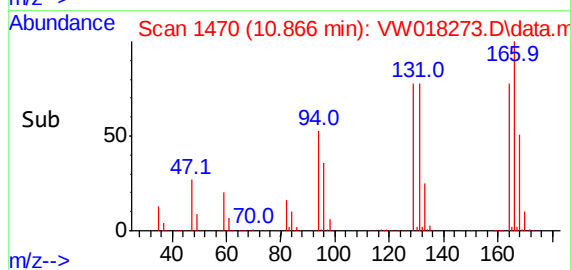
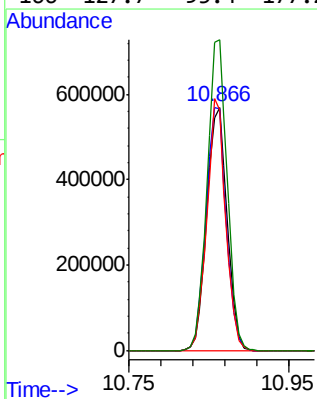
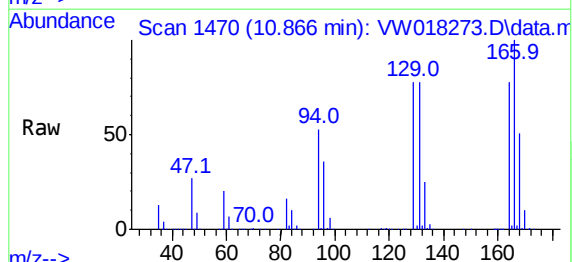
Instrument :
MSVOA_W
ClientSampled :
BG565

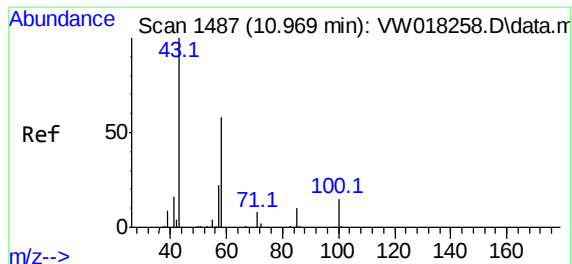
Tgt Ion: 75 Resp: 1889
Ion Ratio Lower Upper
75 100
77 33.2 22.6 42.0



#47
Tetrachloroethene
Concen: 396.89 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

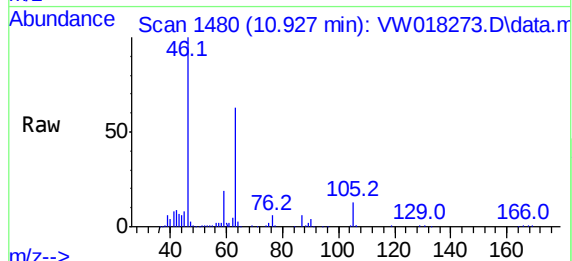
Tgt Ion: 164 Resp: 1007546
Ion Ratio Lower Upper
164 100
129 99.5 68.8 127.8
131 99.0 68.3 126.8
166 127.7 95.4 177.2





#49
2-Hexanone
Concen: 3.41 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW018273.D
Acq: 09 Mar 2021 18:16

Instrument :
MSVOA_W
ClientSampleId :
BG565



Tgt Ion: 43 Resp: 3279

Ion	Ratio	Lower	Upper
43	100		
58	26.8	47.3	70.9#
57	25.4	17.3	25.9
100	0.0	12.9	19.3#

