

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
 Data File : VW018402.D
 Acq On : 19 Mar 2021 21:40
 Operator : SY/VA
 Sample : M1698-15
 Misc : 6.12G/10ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4L3

Quant Time: Mar 20 04:00:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 20 03:58:53 2021
 Response via : Initial Calibration

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

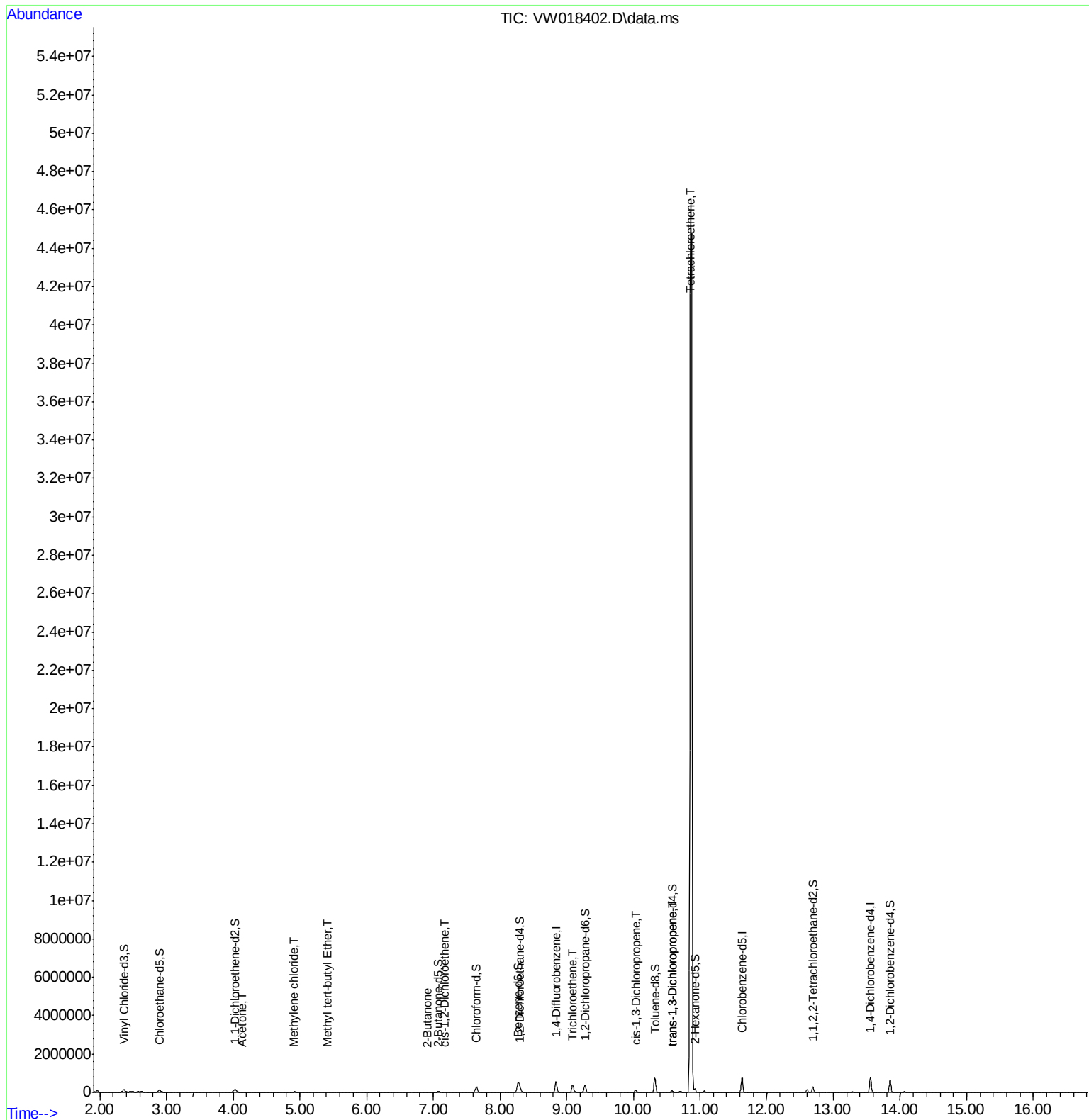
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	456340	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	416381	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	195349	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	155074	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
7) Chloroethane-d5	2.892	69	146767	26.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.60%
10) 1,1-Dichloroethene-d2	4.026	63	187421	17.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.36%
20) 2-Butanone-d5	7.074	46	78879	55.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.58%
24) Chloroform-d	7.647	84	271406	23.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	8.305	65	176079	25.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.80%
29) Benzene-d6	8.275	84	528076	23.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.44%
33) 1,2-Dichloropropane-d6	9.275	67	157062	24.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.40%
37) Toluene-d8	10.323	98	494007	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.72%
38) trans-1,3-Dichloroprop...	10.579	79	41477	12.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	50.40%
39) 2-Hexanone-d5	10.927	63	60295	48.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.50%
48) 1,1,2,2-Tetrachloroeth...	12.689	84	143073	25.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.20%
61) 1,2-Dichlorobenzene-d4	13.853	152	157329	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%
Target Compounds						
13) Acetone	4.129	43	11305	11.13	ug/L	92
16) Methylene chloride	4.916	84	24163	3.23	ug/L	87
17) Methyl tert-butyl Ether	5.409	73	2896	0.35	ug/L #	86
21) 2-Butanone	6.909	43	1180	0.73	ug/L	84
22) cis-1,2-Dichloroethene	7.165	96	2727	0.41	ug/L	97
35) Trichloroethene	9.092	95	130149	19.54	ug/L	99
42) cis-1,3-Dichloropropene	10.037	75	3678	0.37	ug/L #	74
45) trans-1,3-Dichloropropene	10.579	75	2450	0.27	ug/L	100
47) Tetrachloroethene	10.860	164	11007471	2175.96	ug/L	89

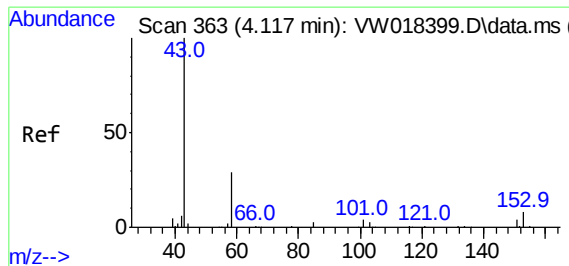
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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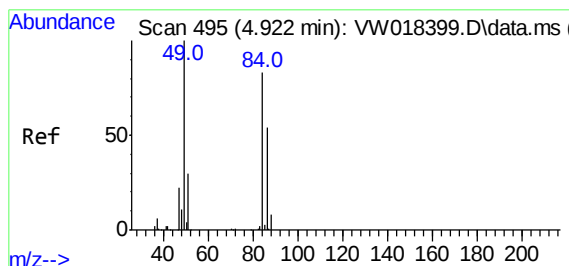
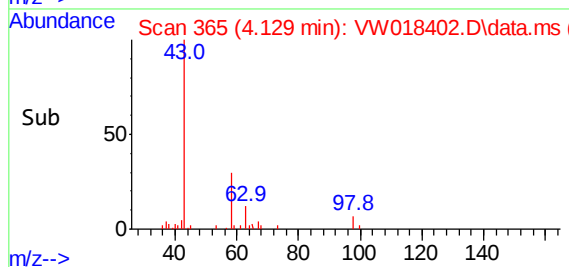
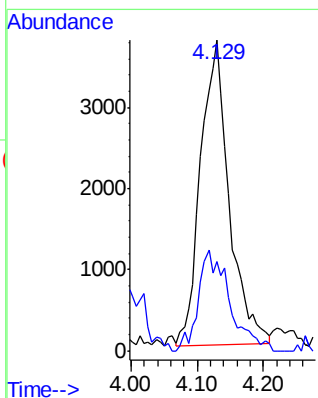
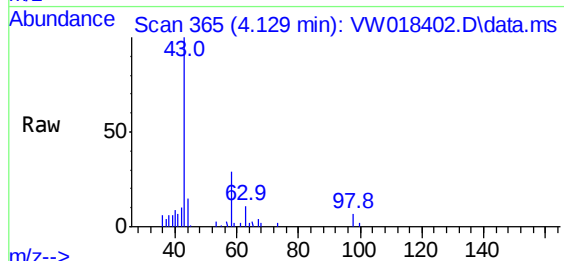




#13
Acetone
Concen: 11.13 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

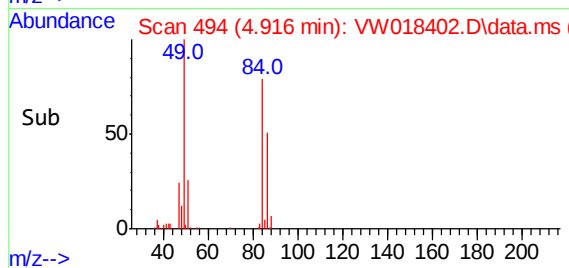
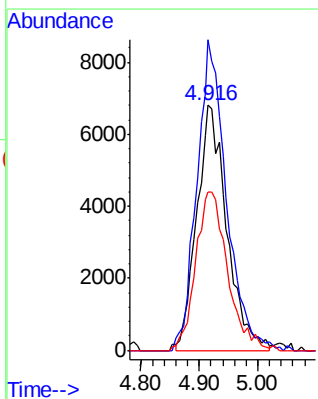
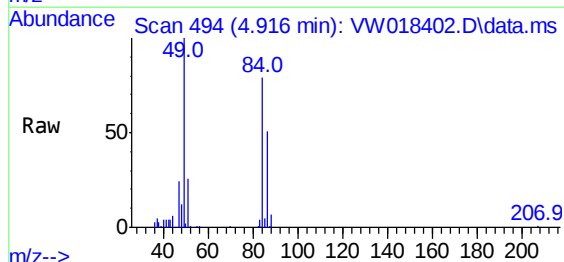
Instrument :
MSVOA_W
ClientSampled :
BG4L3

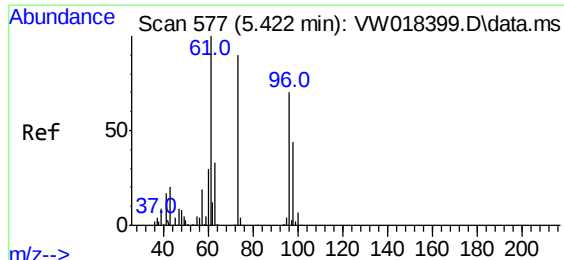
Tgt Ion: 43 Resp: 11305
Ion Ratio Lower Upper
43 100
58 26.6 0.0 62.2



#16
Methylene chloride
Concen: 3.23 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Tgt Ion: 84 Resp: 24163
Ion Ratio Lower Upper
84 100
49 126.8 74.4 138.2
86 64.6 46.1 85.7



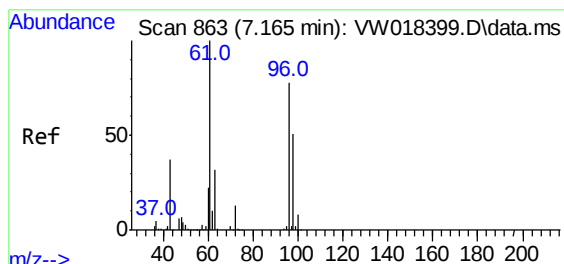
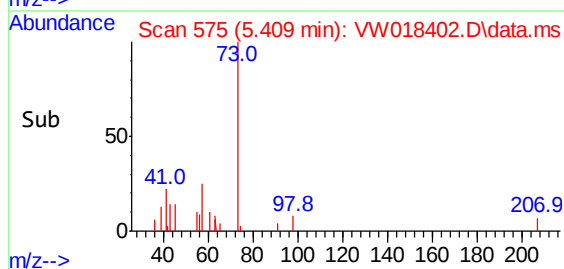
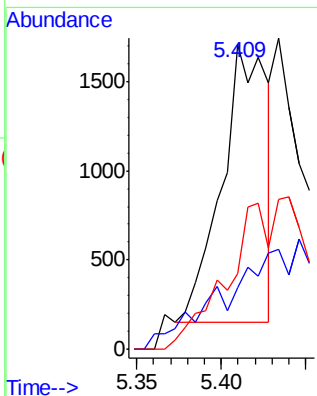
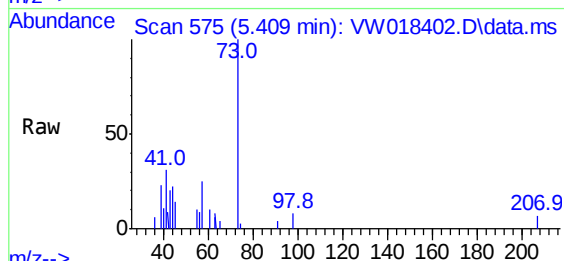


#17
Methyl tert-butyl Ether
Concen: 0.35 ug/L
RT: 5.409 min Scan# 575
Delta R.T. -0.012 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Instrument :
MSVOA_W
ClientSampled :
BG4L3

Tgt Ion: 73 Resp: 2896

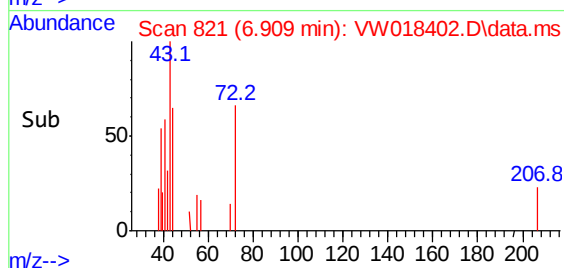
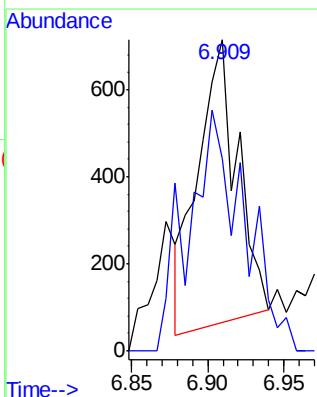
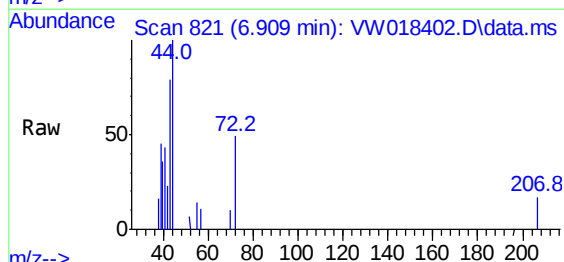
Ion	Ratio	Lower	Upper
73	100		
43	18.9	16.6	24.8
57	31.3	15.9	23.9#

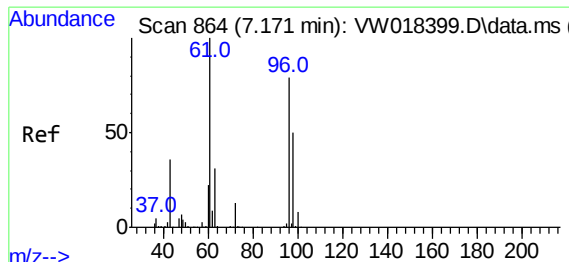


#21
2-Butanone
Concen: 0.73 ug/L
RT: 6.909 min Scan# 821
Delta R.T. -0.256 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Tgt Ion: 43 Resp: 1180

Ion	Ratio	Lower	Upper
43	100		
72	42.0	16.5	49.5



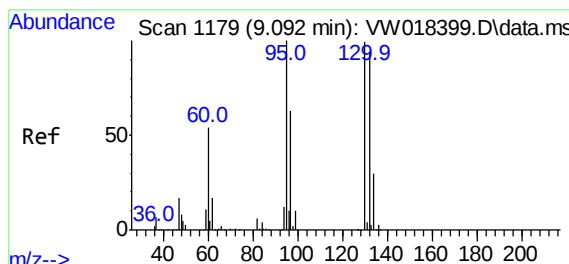
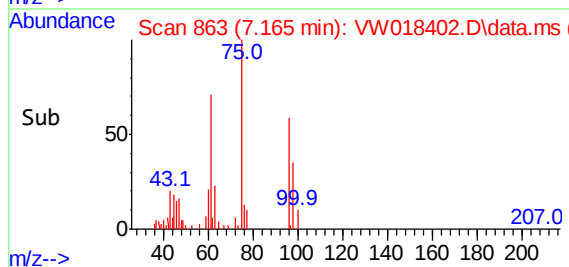
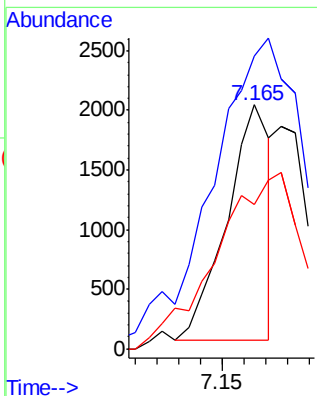
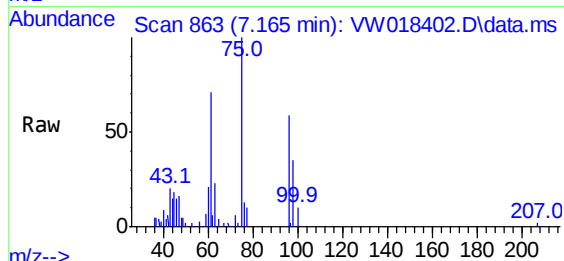


#22
cis-1,2-Dichloroethene
Concen: 0.41 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Instrument :
MSVOA_W
ClientSampleId :
BG4L3

Tgt Ion: 96 Resp: 2727

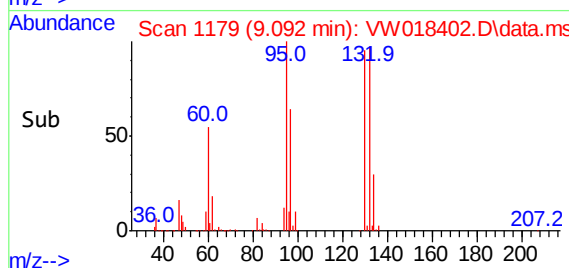
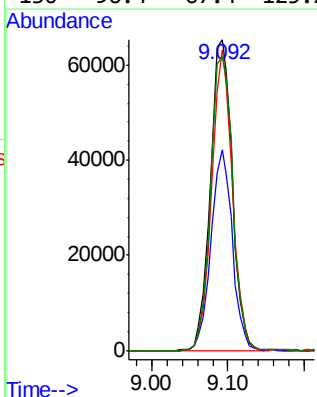
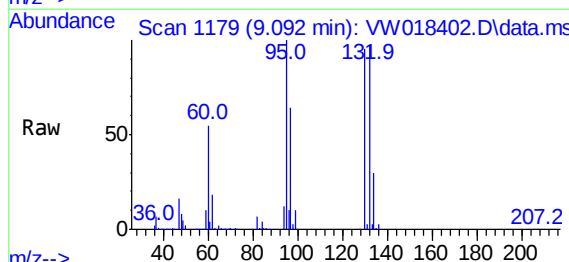
Ion	Ratio	Lower	Upper
96	100		
61	120.2	84.8	157.6
98	59.1	45.1	83.9

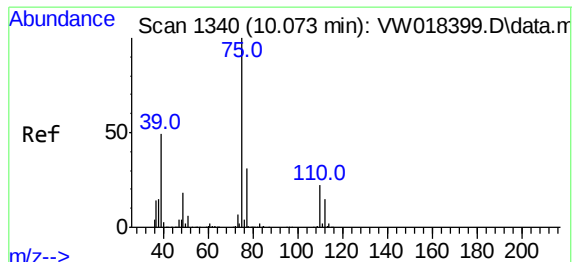


#35
Trichloroethene
Concen: 19.54 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Tgt Ion: 95 Resp: 130149

Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.4	82.4
132	91.5	65.9	122.5
130	96.4	67.4	125.2

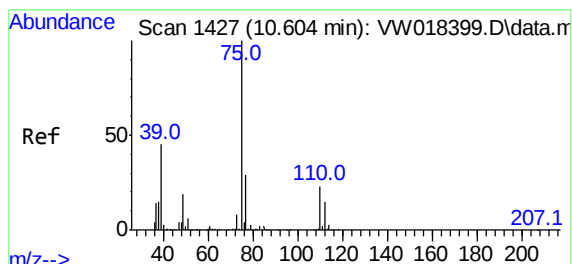
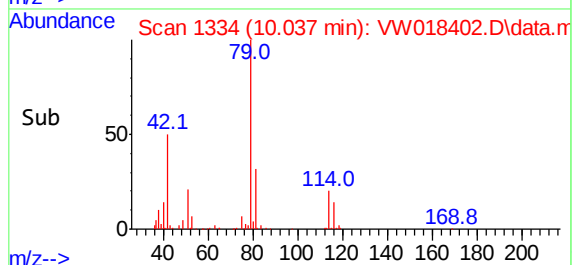
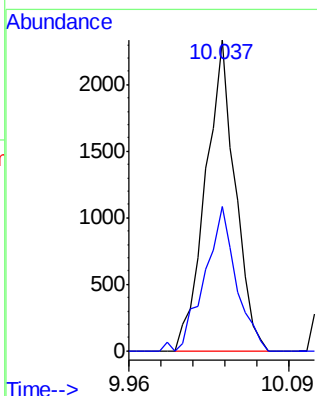
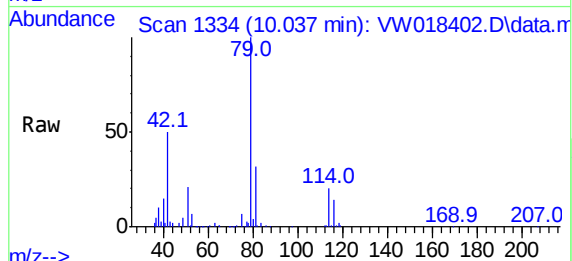




#42
cis-1,3-Dichloropropene
Concen: 0.37 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

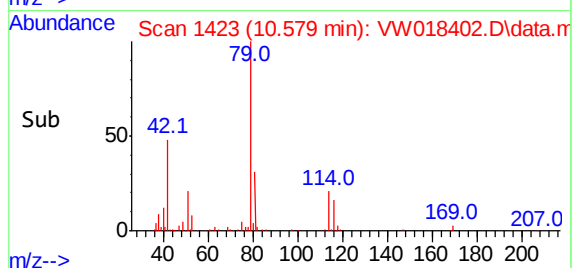
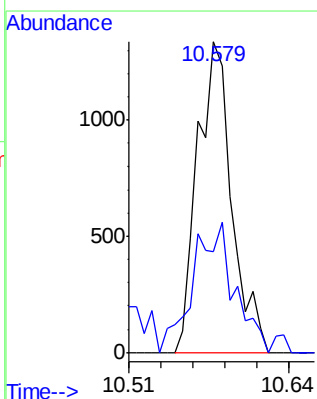
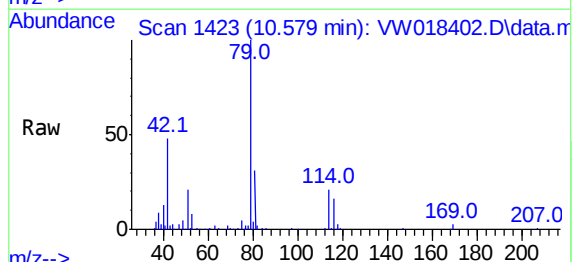
Instrument :
MSVOA_W
ClientSampled :
BG4L3

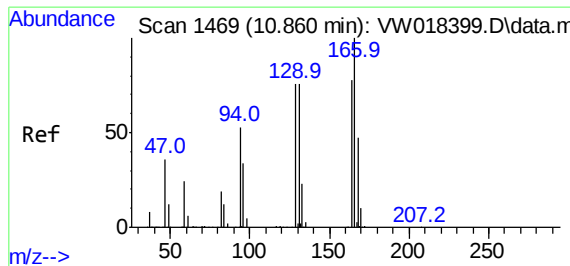
Tgt Ion: 75 Resp: 3678
Ion Ratio Lower Upper
75 100
77 46.6 22.4 41.6#



#45
trans-1,3-Dichloropropene
Concen: 0.27 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Tgt Ion: 75 Resp: 2450
Ion Ratio Lower Upper
75 100
77 32.3 22.6 42.0





#47
Tetrachloroethene
Concen: 2175.96 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW018402.D
Acq: 19 Mar 2021 21:40

Instrument :
MSVOA_W
ClientSampleId :
BG4L3

Tgt Ion:164 Resp:11007471

Ion	Ratio	Lower	Upper
164	100		
129	92.1	68.8	127.8
131	89.1	68.3	126.8
166	117.8	95.4	177.2

