

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
 Data File : VW018194.D
 Acq On : 17 Feb 2021 18:12
 Operator : SY/VA
 Sample : M1414-15RE
 Misc : 7.64G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 18 06:18:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

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

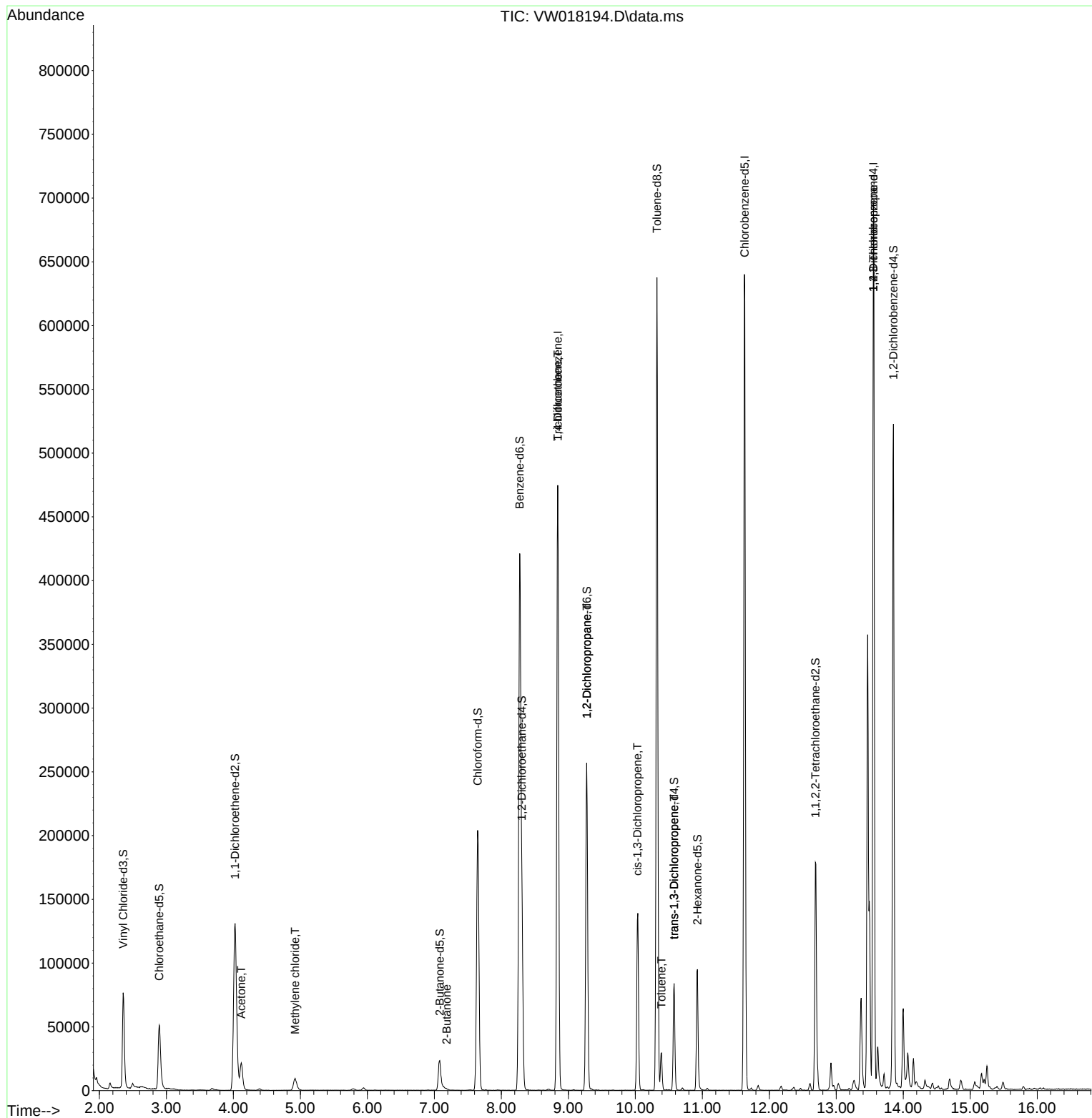
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	427700	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	385172	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	197617	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	93165	17.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.12%
7) Chloroethane-d5	2.892	69	73350	17.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.56%
10) 1,1-Dichloroethene-d2	4.025	63	145656	13.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.84%
20) 2-Butanone-d5	7.080	46	39700	27.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.98%
24) Chloroform-d	7.647	84	217879	19.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.64%
26) 1,2-Dichloroethane-d4	8.305	65	108556	18.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.64%
29) Benzene-d6	8.275	84	453293	21.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.72%
33) 1,2-Dichloropropane-d6	9.275	67	122185	20.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.64%
37) Toluene-d8	10.323	98	434248	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.32%
38) trans-1,3-Dichloroprop...	10.579	79	50291	18.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.04%
39) 2-Hexanone-d5	10.927	63	34649	30.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.28%
48) 1,1,2,2-Tetrachloroeth...	12.689	84	89854	17.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.16%
61) 1,2-Dichlorobenzene-d4	13.853	152	147308	20.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.60%
Target Compounds						
					Qvalue	
13) Acetone	4.117	43	35224	33.56	ug/L	100
16) Methylene chloride	4.922	84	8738	1.27	ug/L	91
21) 2-Butanone	7.183	43	1565	0.98	ug/L	94
35) Trichloroethene	8.842	95	12464	1.96	ug/L #	3
40) 1,2-Dichloropropane	9.275	63	13660	2.64	ug/L #	84
42) cis-1,3-Dichloropropene	10.030	75	3547	0.43	ug/L	83
44) Toluene	10.390	91	22458	0.91	ug/L	96
45) trans-1,3-Dichloropropene	10.579	75	1960	0.27	ug/L	84
59) 1,2,3-Trichloropropane	13.554	75	19710	4.99	ug/L	100

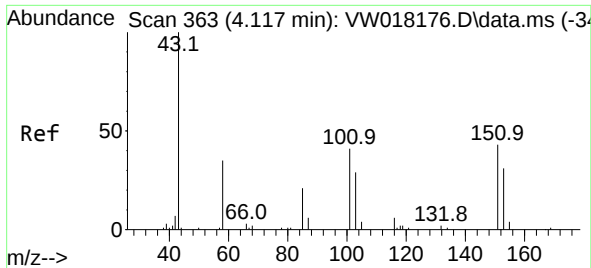
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Feb 18 06:15:22 2021
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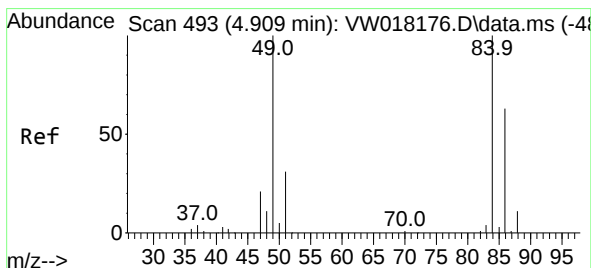
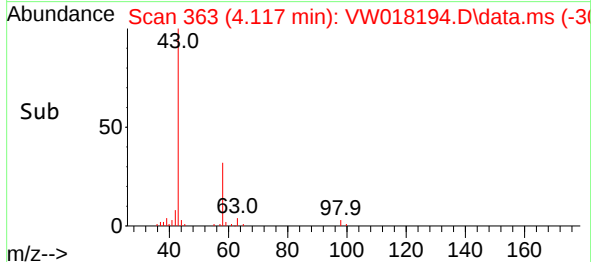
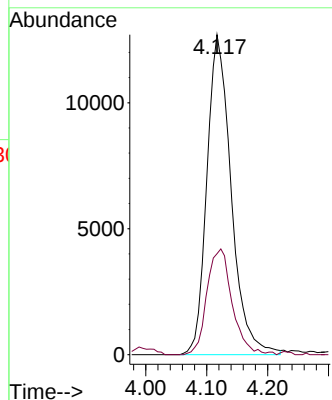
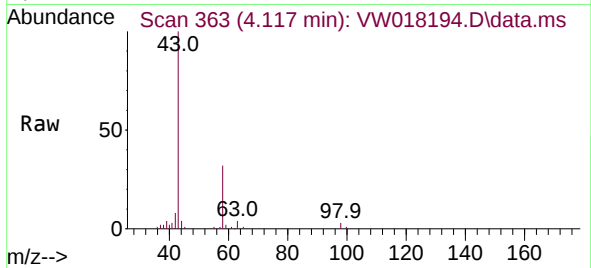




#13
Acetone
Concen: 33.56 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

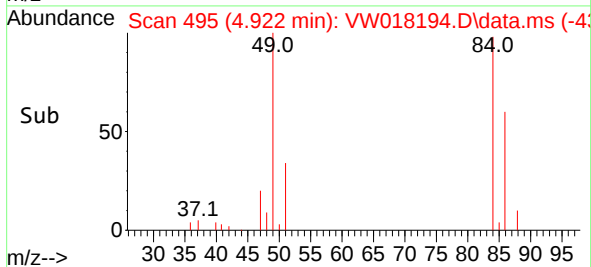
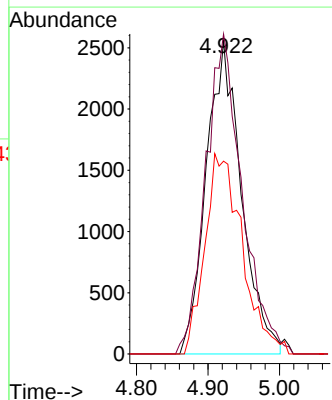
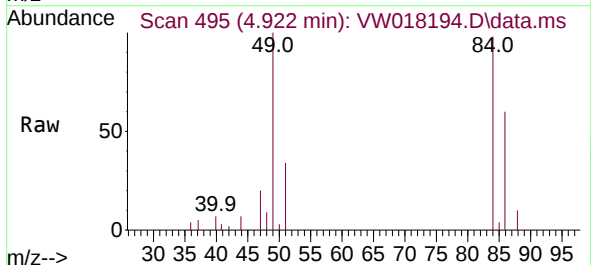
Instrument :
MSVOA_W
ClientSampled :

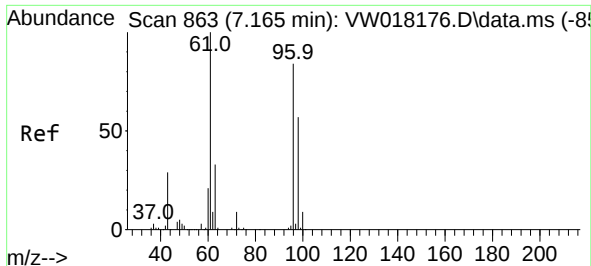
Tgt Ion: 43 Resp: 35224
Ion Ratio Lower Upper
43 100
58 34.1 0.0 68.4



#16
Methylene chloride
Concen: 1.27 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

Tgt Ion: 84 Resp: 8738
Ion Ratio Lower Upper
84 100
49 101.9 81.2 150.8
86 61.4 44.5 82.7

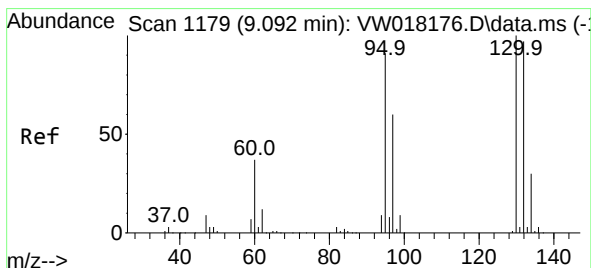
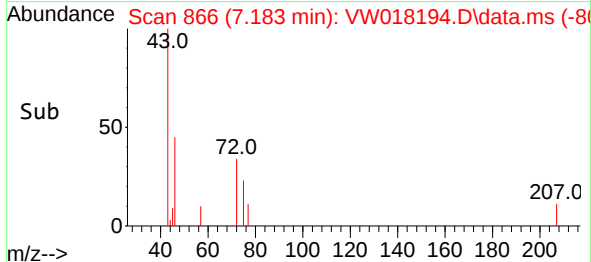
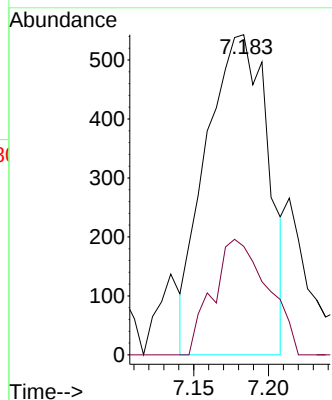
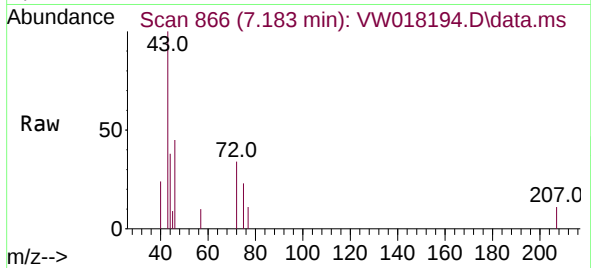




#21
2-Butanone
Concen: 0.98 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

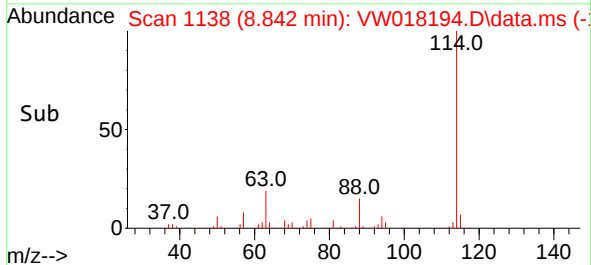
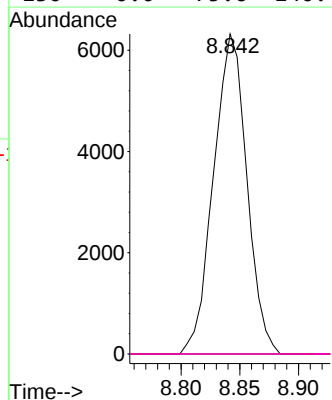
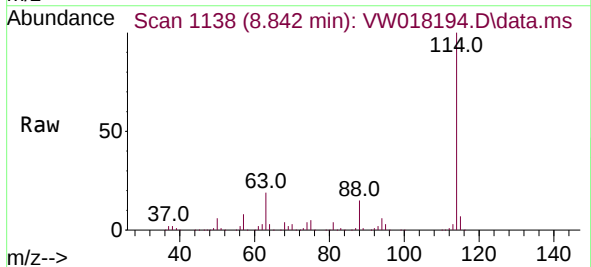
Instrument :
MSVOA_W
ClientSampled :

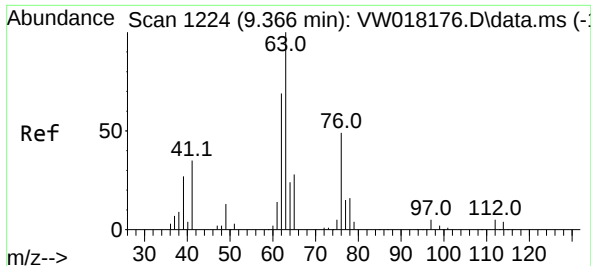
Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
72 25.8 14.4 43.2



#35
Trichloroethene
Concen: 1.96 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

Tgt Ion: 95 Resp: 12464
Ion Ratio Lower Upper
95 100
97 0.0 45.0 83.6#
132 0.0 71.0 131.8#
130 0.0 75.6 140.4#

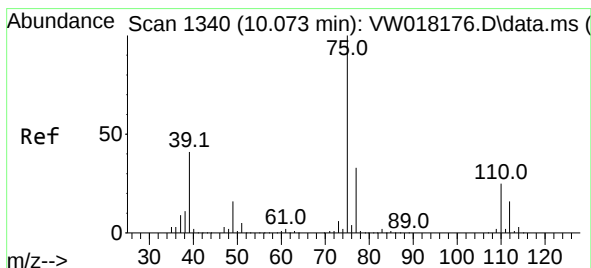
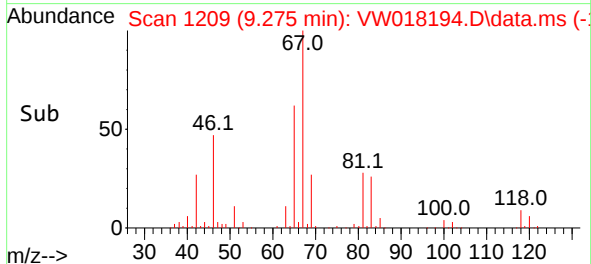
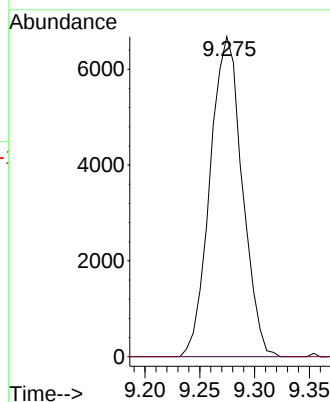
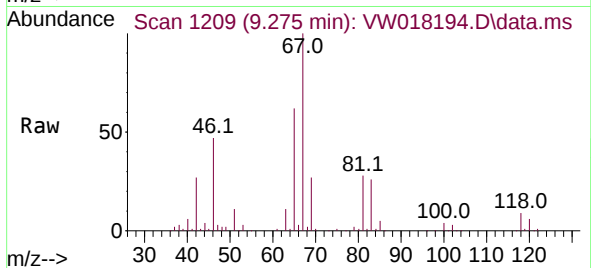




#40
1,2-Dichloropropane
Concen: 2.64 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

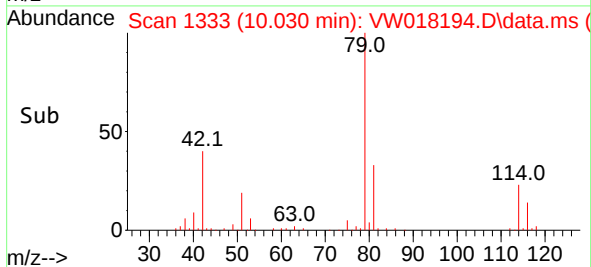
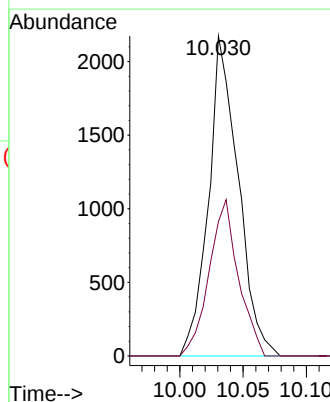
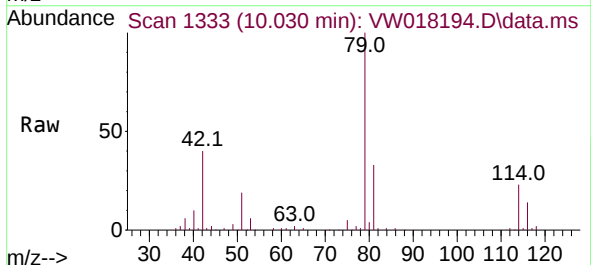
Instrument :
MSVOA_W
ClientSampled :

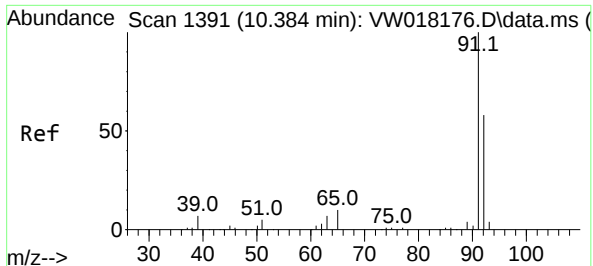
Tgt Ion: 63 Resp: 13660
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



#42
cis-1,3-Dichloropropene
Concen: 0.43 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

Tgt Ion: 75 Resp: 3547
Ion Ratio Lower Upper
75 100
77 42.0 22.7 42.3

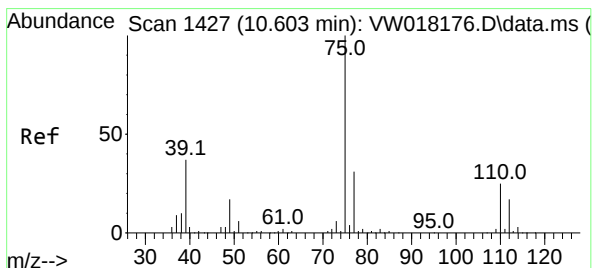
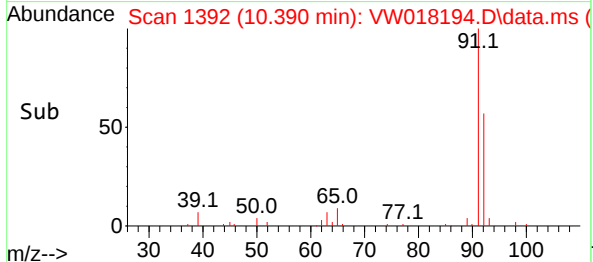
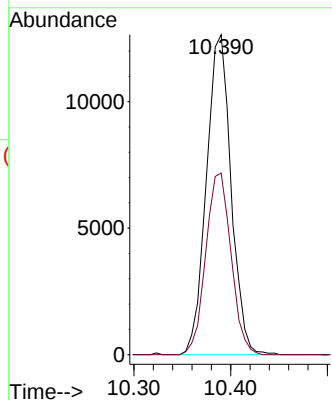
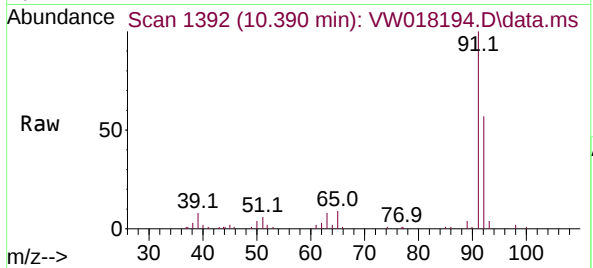




#44
Toluene
Concen: 0.91 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

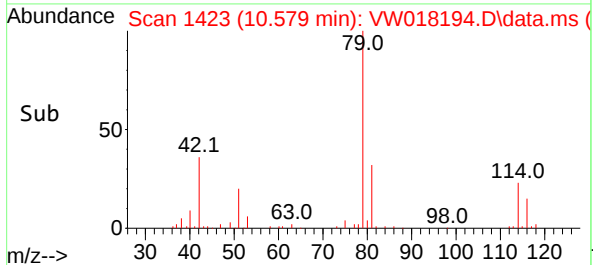
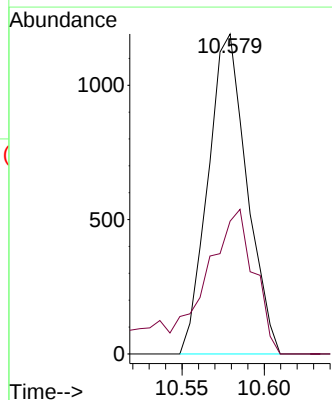
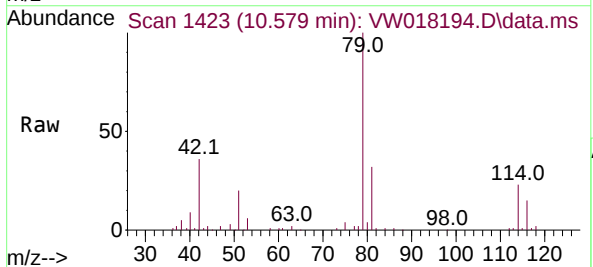
Instrument :
MSVOA_W
ClientSampled :

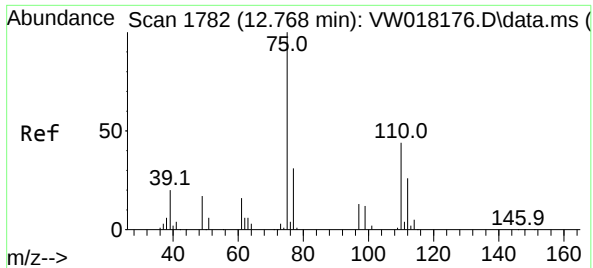
Tgt Ion: 91 Resp: 22458
Ion Ratio Lower Upper
91 100
92 56.8 41.6 77.3



#45
trans-1,3-Dichloropropene
Concen: 0.27 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018194.D
Acq: 17 Feb 2021 18:12

Tgt Ion: 75 Resp: 1960
Ion Ratio Lower Upper
75 100
77 41.5 22.6 42.0





#59
 1,2,3-Trichloropropane
 Concen: 4.99 ug/L
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.787 min
 Lab File: VW018194.D
 Acq: 17 Feb 2021 18:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 75 Resp: 19710
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.6 39.8

