

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017106.D
 Acq On : 06 Nov 2020 17:24
 Operator : SY/VA
 Sample : L4659-07
 Misc : 6.08G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 04:35:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 04:26:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	489931	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	404929	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156641	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	141050	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
7) Chloroethane-d5	2.90	69	110342	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.80%
10) 1,1-Dichloroethene-d2	4.03	63	188924	17.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.48%
20) 2-Butanone-d5	7.09	46	42992	31.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.30%
24) Chloroform-d	7.65	84	248966	21.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.08%
26) 1,2-Dichloroethane-d4	8.31	65	122699	21.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.32%
29) Benzene-d6	8.28	84	521932	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
33) 1,2-Dichloropropane-d6	9.28	67	139857	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.08%
37) Toluene-d8	10.33	98	481974	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	10.59	79	51170	19.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.60%
39) 2-Hexanone-d5	10.93	63	34696	34.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95379	19.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	131736	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

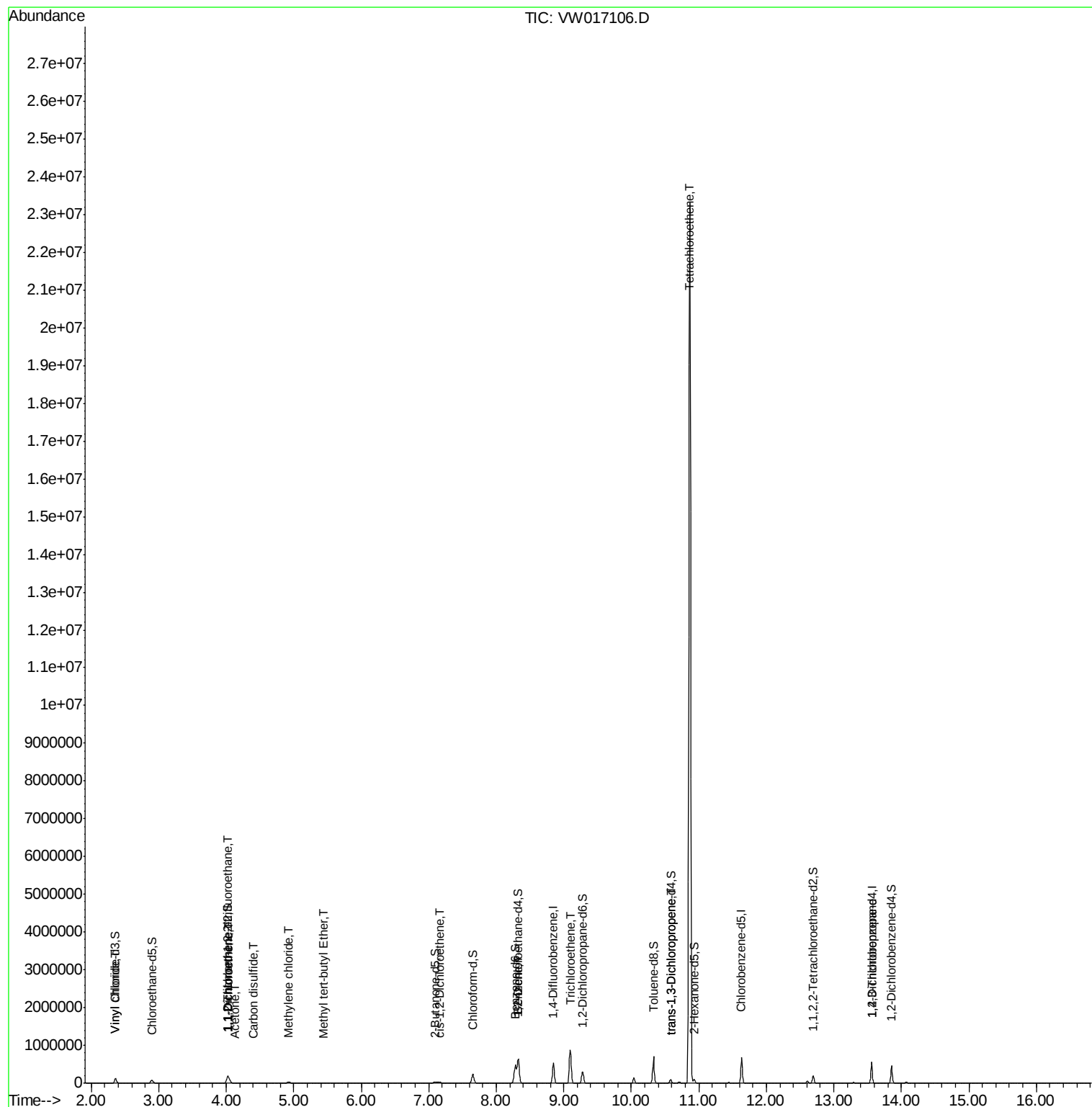
					Ovalue
5) Vinyl chloride	2.37	62	8190	1.252 ug/L #	48
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	1693	0.268 ug/L #	17
12) 1,1-Dichloroethene	4.04	96	12898	2.121 ug/L #	1
13) Acetone	4.14	43	6301	6.819 ug/L	72
14) Carbon disulfide	4.40	76	10686	0.646 ug/L	97
16) Methylene chloride	4.92	84	23942	3.625 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	6804	0.916 ug/L #	92
22) cis-1,2-Dichloroethene	7.17	96	6385	0.959 ug/L	95
34) Benzene	8.33	78	596246	28.042 ug/L	100
35) Trichloroethene	9.10	95	303576	50.968 ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	2274	0.336 ug/L	87
47) Tetrachloroethene	10.87	164	5770498	1073.805 ug/L	89
59) 1,2,3-Trichloropropane	13.56	75	15789	4.437 ug/L	93

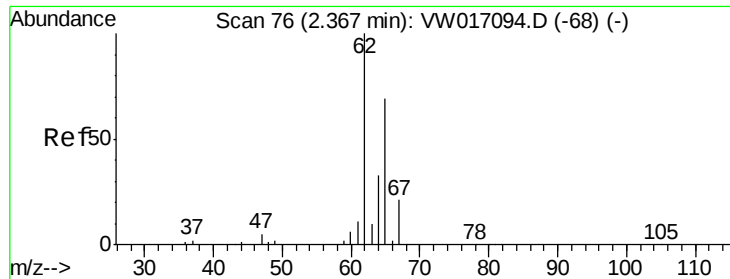
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Nov 07 04:26:24 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.252 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

Instrument :

MSVOA_W

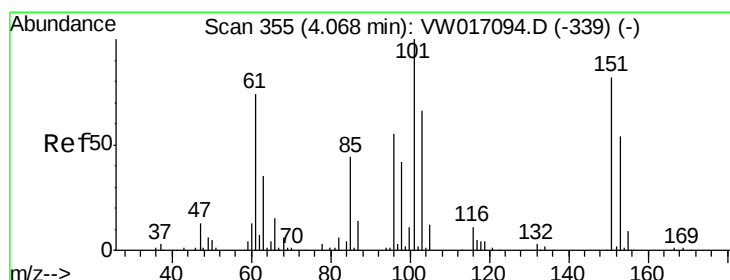
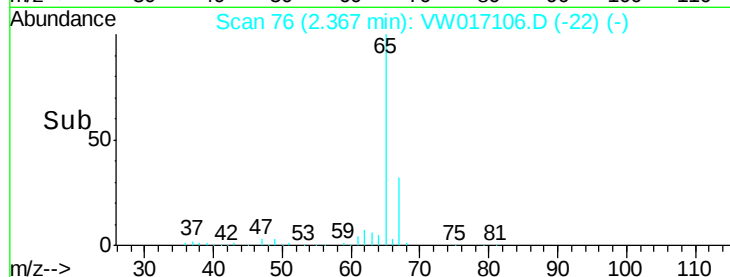
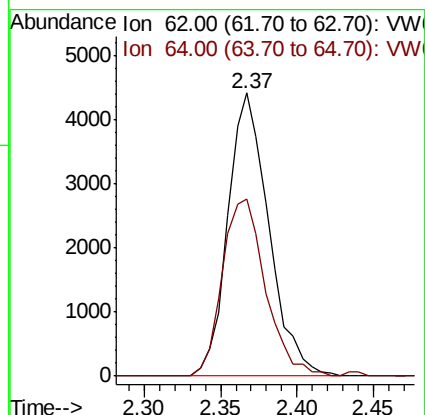
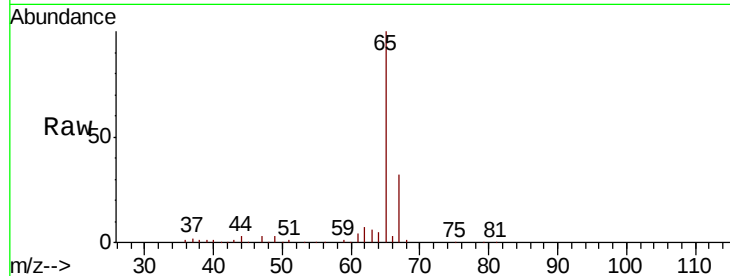
ClientSampleId :

Tot Ion: 62 Resp: 8190

Ion Ratio Lower Upper

62 100

64 62.8 23.3 43.3#



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.268 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.05 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

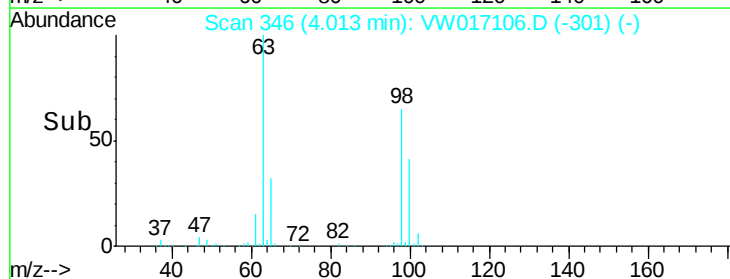
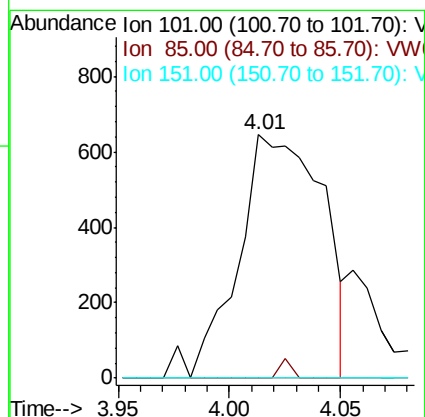
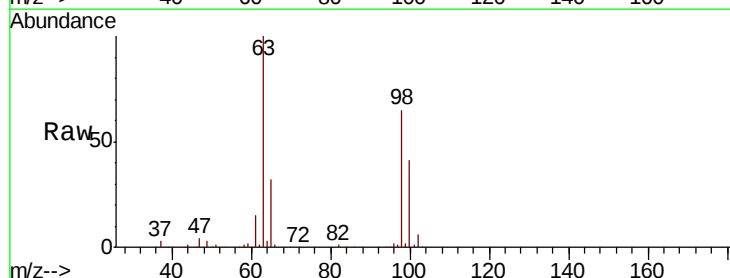
Tgt Ion: 101 Resp: 1693

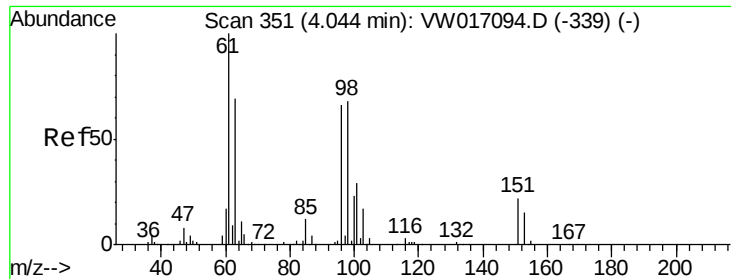
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#

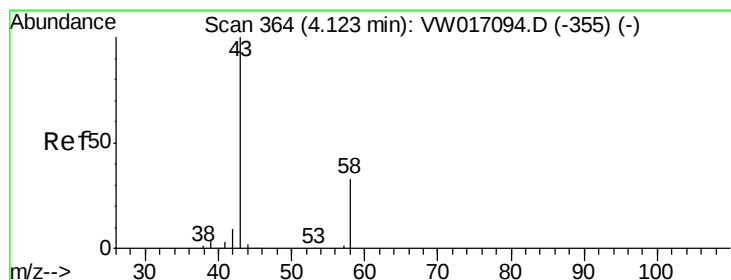
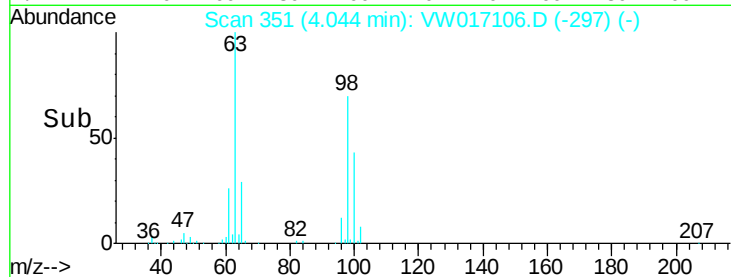
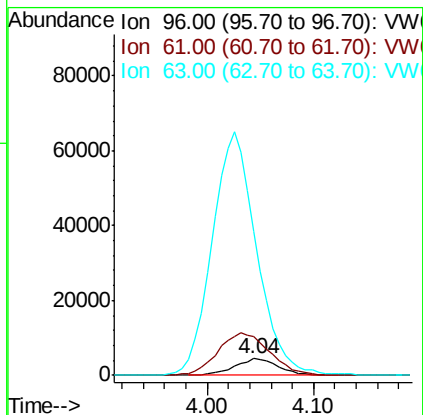
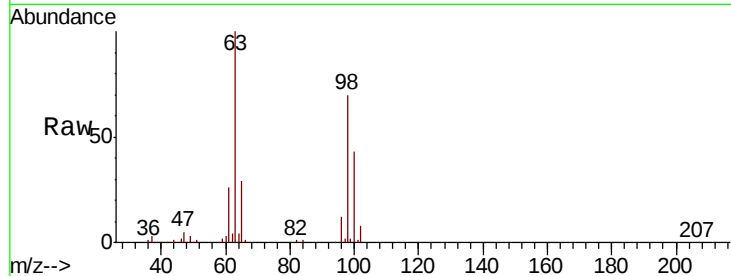




#12
 1,1-Dichloroethene
 Concen: 2.121 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW017106.D
 Acq: 06 Nov 2020 17:24

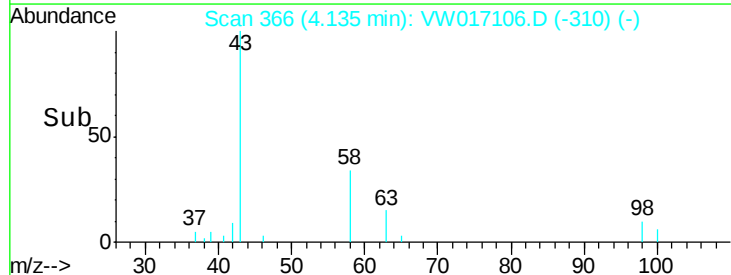
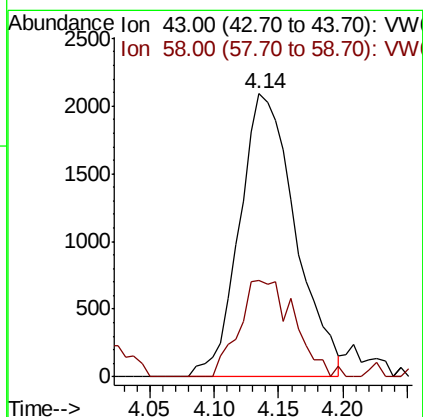
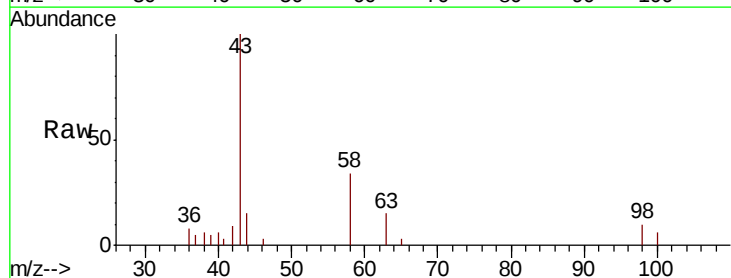
Instrument :
 MSVOA_W
 ClientSampled :

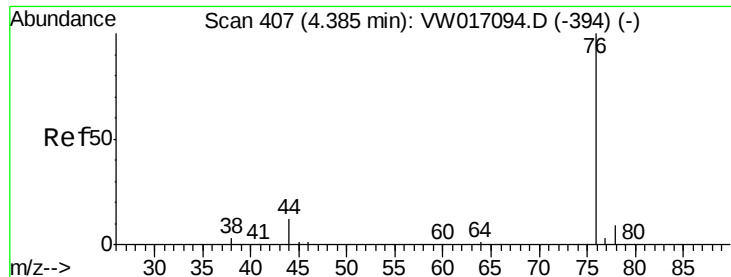
Tot Ion: 96 Resp: 12898
 Ion Ratio Lower Upper
 96 100
 61 224.8 103.8 192.8#
 63 848.8 84.4 156.7#



#13
 Acetone
 Concen: 6.819 ug/L
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW017106.D
 Acq: 06 Nov 2020 17:24

Tgt Ion: 43 Resp: 6301
 Ion Ratio Lower Upper
 43 100
 58 18.5 0.0 69.2





#14

Carbon disulfide

Concen: 0.646 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

Instrument :

MSVOA_W

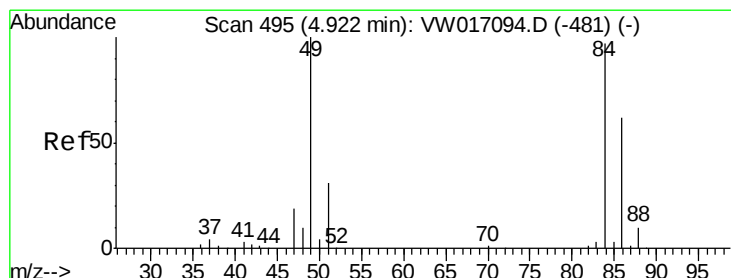
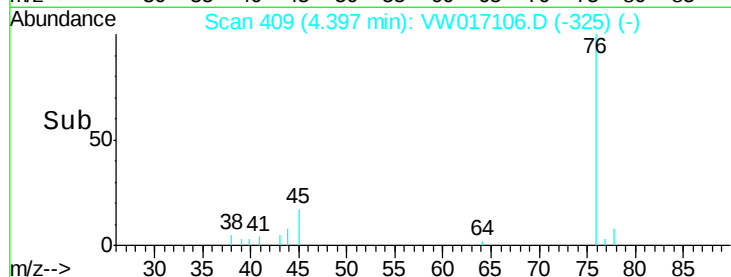
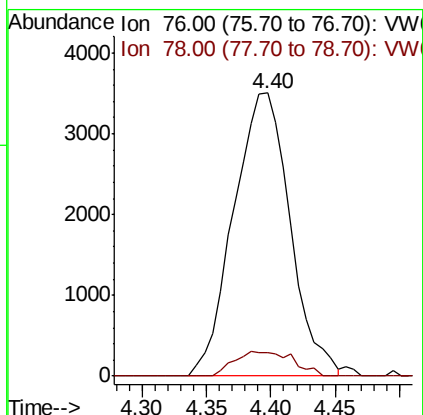
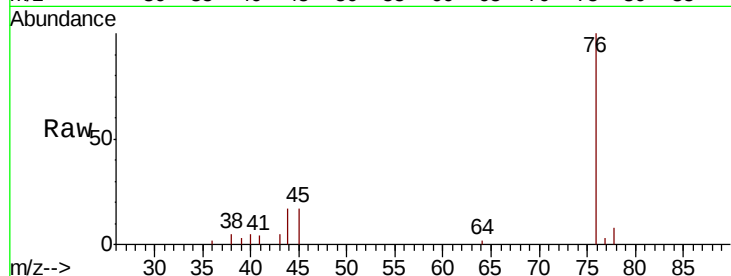
ClientSampleId :

Tot Ion: 76 Resp: 10686

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4



#16

Methylene chloride

Concen: 3.625 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

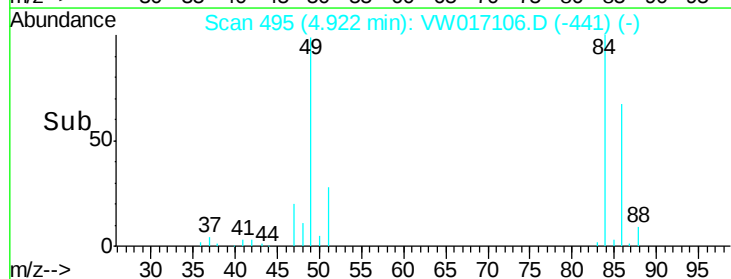
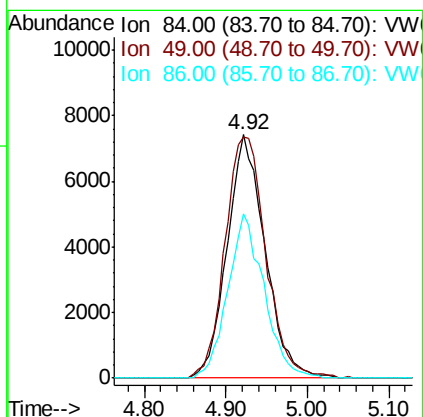
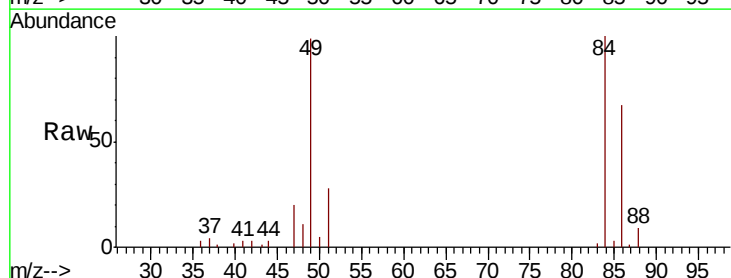
Tgt Ion: 84 Resp: 23942

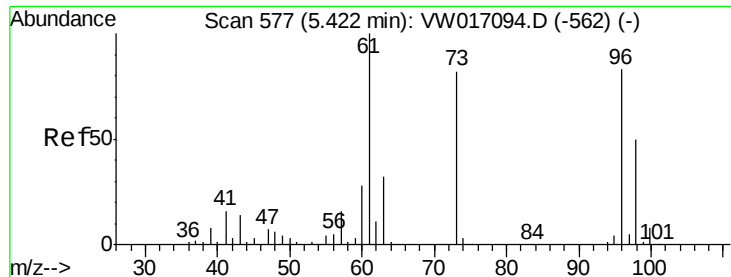
Ion Ratio Lower Upper

84 100

49 99.0 72.3 134.3

86 67.3 45.1 83.7

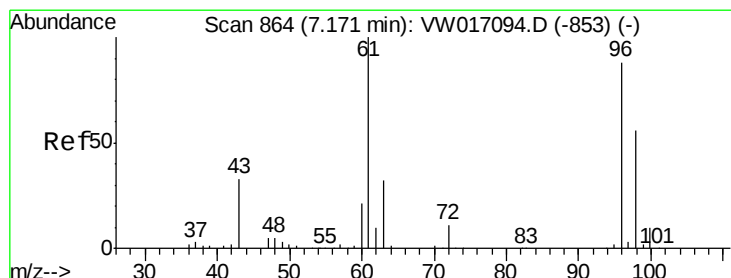
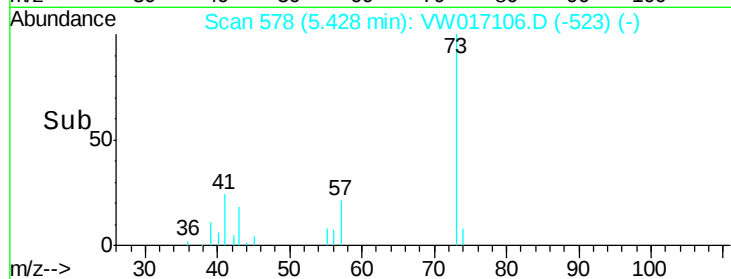
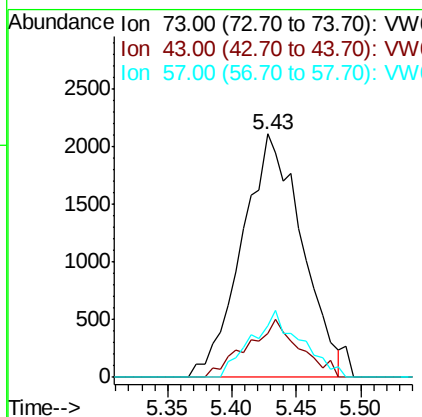
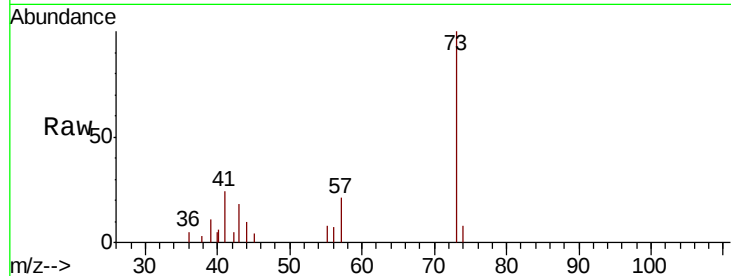




#17
Methvl tert-butvl Ether
Concen: 0.916 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017106.D
Acq: 06 Nov 2020 17:24

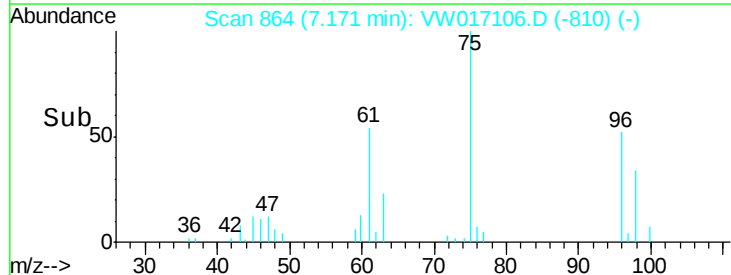
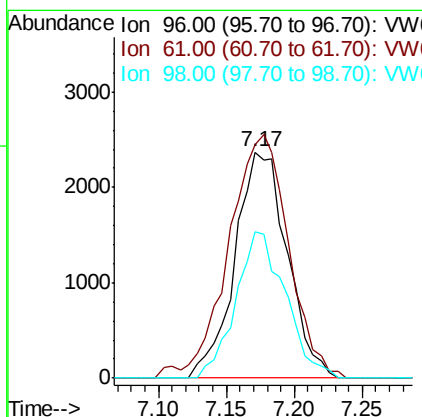
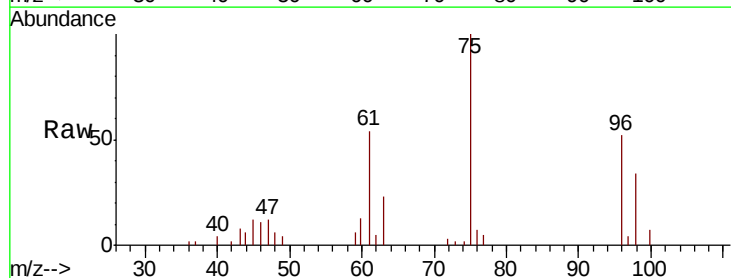
Instrument :
MSVOA_W
ClientSampled :

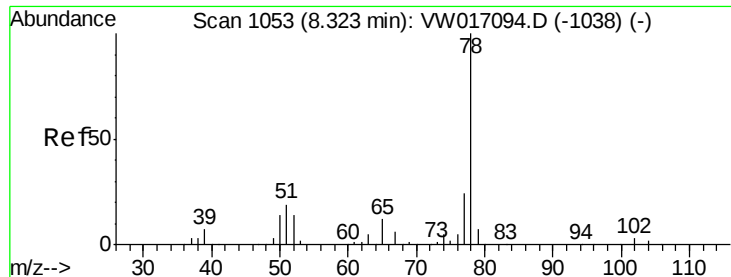
Tot Ion: 73 Resp: 6804
Ion Ratio Lower Upper
73 100
43 13.1 14.5 21.7#
57 22.7 16.3 24.5



#22
cis-1,2-Dichloroethene
Concen: 0.959 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017106.D
Acq: 06 Nov 2020 17:24

Tgt Ion: 96 Resp: 6385
Ion Ratio Lower Upper
96 100
61 103.1 77.4 143.8
98 64.9 45.1 83.7





#34

Benzene

Concen: 28.042 ug/L

RT: 8.33 min Scan# 1054

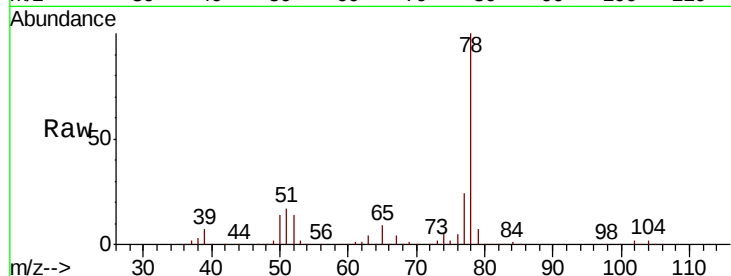
Delta R.T. 0.01 min

Lab File: VW017106.D

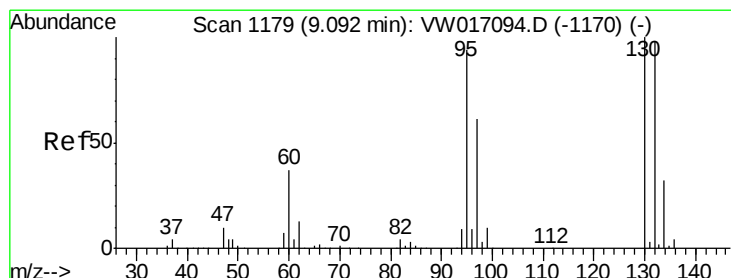
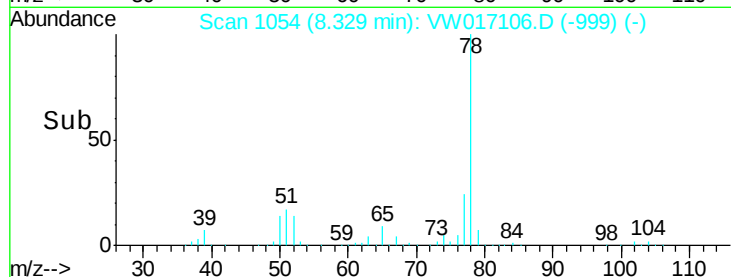
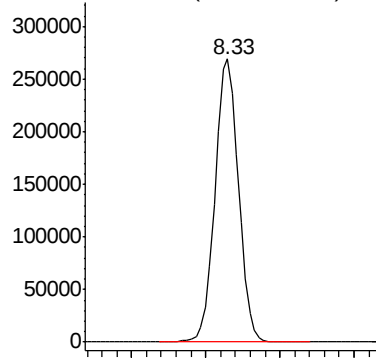
Acq: 06 Nov 2020 17:24

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 596246



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 50.968 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

Tgt Ion: 95 Resp: 303576

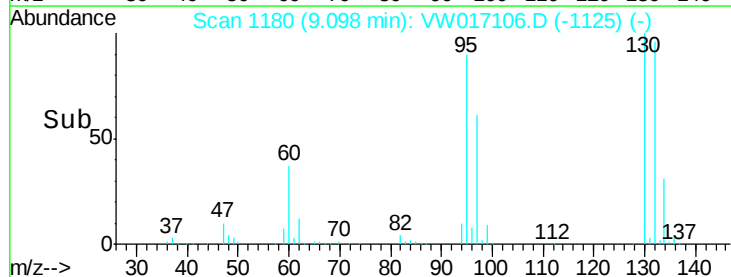
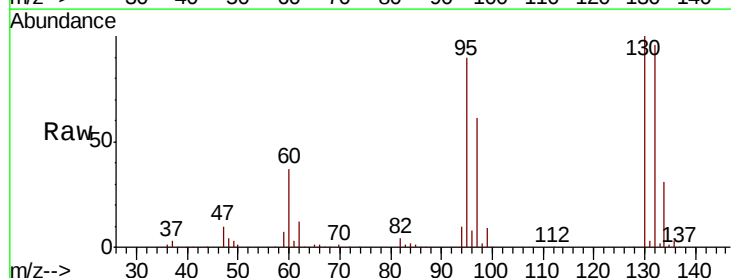
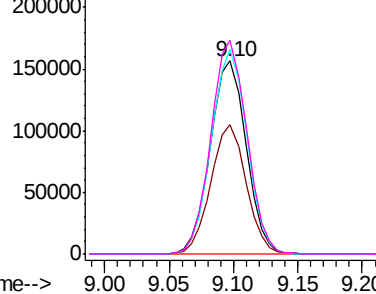
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.0	83.6
132	105.2	73.7	136.9
130	110.8	77.1	143.1

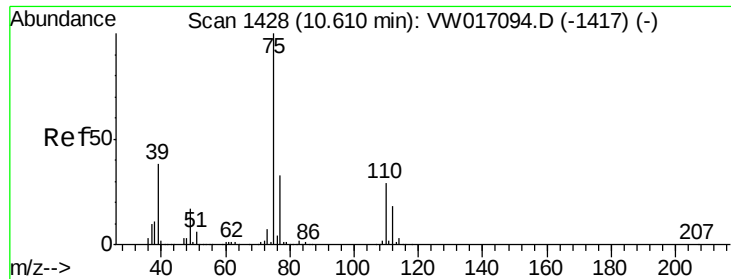
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.336 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

Instrument :

MSVOA_W

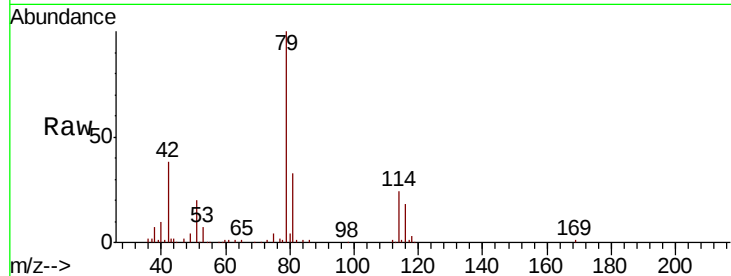
ClientSampled :

Tot Ion: 75 Resp: 2274

Ion Ratio Lower Upper

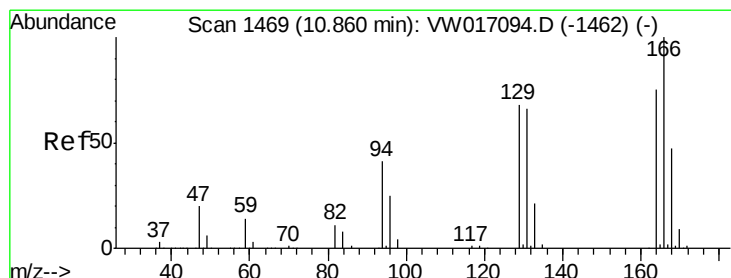
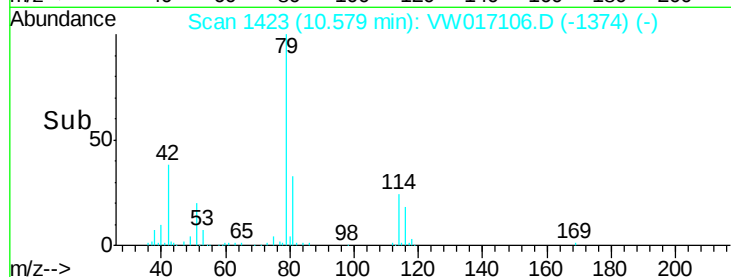
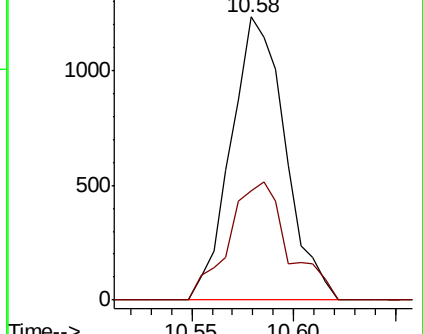
75 100

77 38.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#47

Tetrachloroethene

Concen: 1073.805 ug/L

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

Tgt Ion: 164 Resp: 5770498

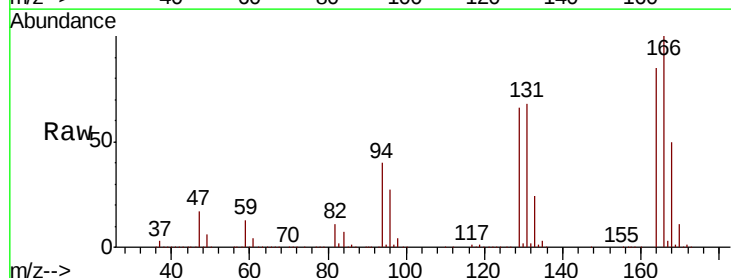
Ion Ratio Lower Upper

164 100

129 78.5 62.9 116.7

131 80.4 63.3 117.5

166 118.1 92.0 170.8

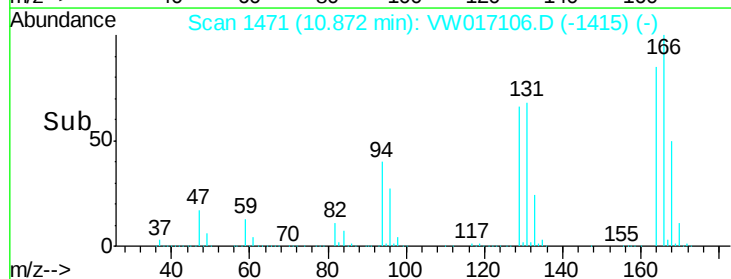
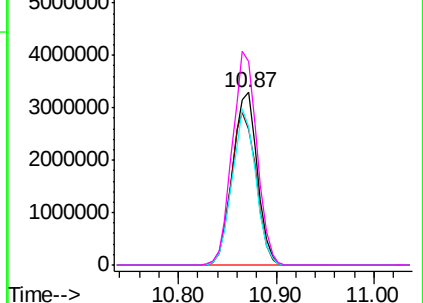


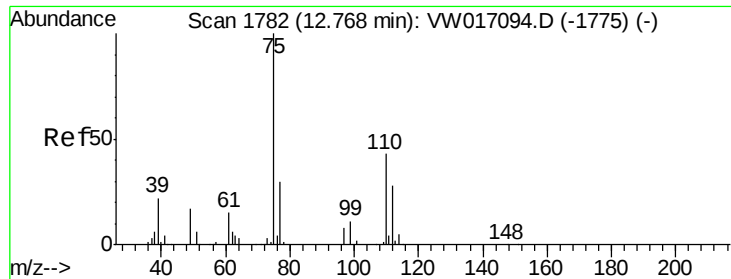
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#59

1,2,3-Trichloropropane

Concen: 4.437 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017106.D

Acq: 06 Nov 2020 17:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 15789

Ion Ratio Lower Upper

75 100

77 37.2 26.4 39.6

