

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011321\
 Data File : VW017860.D
 Acq On : 13 Jan 2021 20:13
 Operator : SY/VA
 Sample : M1132-05
 Misc : 6.32G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1A04

Quant Time: Jan 14 11:43:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 11:39:57 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	167696	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	154218	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	68622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	115214	44.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	177.60%#
7) Chloroethane-d5	2.89	69	94023	43.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	175.64%#
10) 1,1-Dichloroethene-d2	4.02	63	149709	33.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	132.48%#
20) 2-Butanone-d5	7.08	46	43658	103.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	207.62%#
24) Chloroform-d	7.65	84	201634	46.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	184.04%#
26) 1,2-Dichloroethane-d4	8.31	65	117865	51.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	207.88%#
29) Benzene-d6	8.27	84	395677	45.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	182.20%#
33) 1,2-Dichloropropane-d6	9.27	67	114197	47.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	190.76%#
37) Toluene-d8	10.32	98	362757	43.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	173.92%#
38) trans-1,3-Dichloropropene-	10.58	79	45097	42.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	169.00%#
39) 2-Hexanone-d5	10.93	63	30953	102.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	205.86%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86235	48.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	194.04%#
61) 1,2-Dichlorobenzene-d4	13.85	152	104710	43.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	175.28%#

Target Compounds

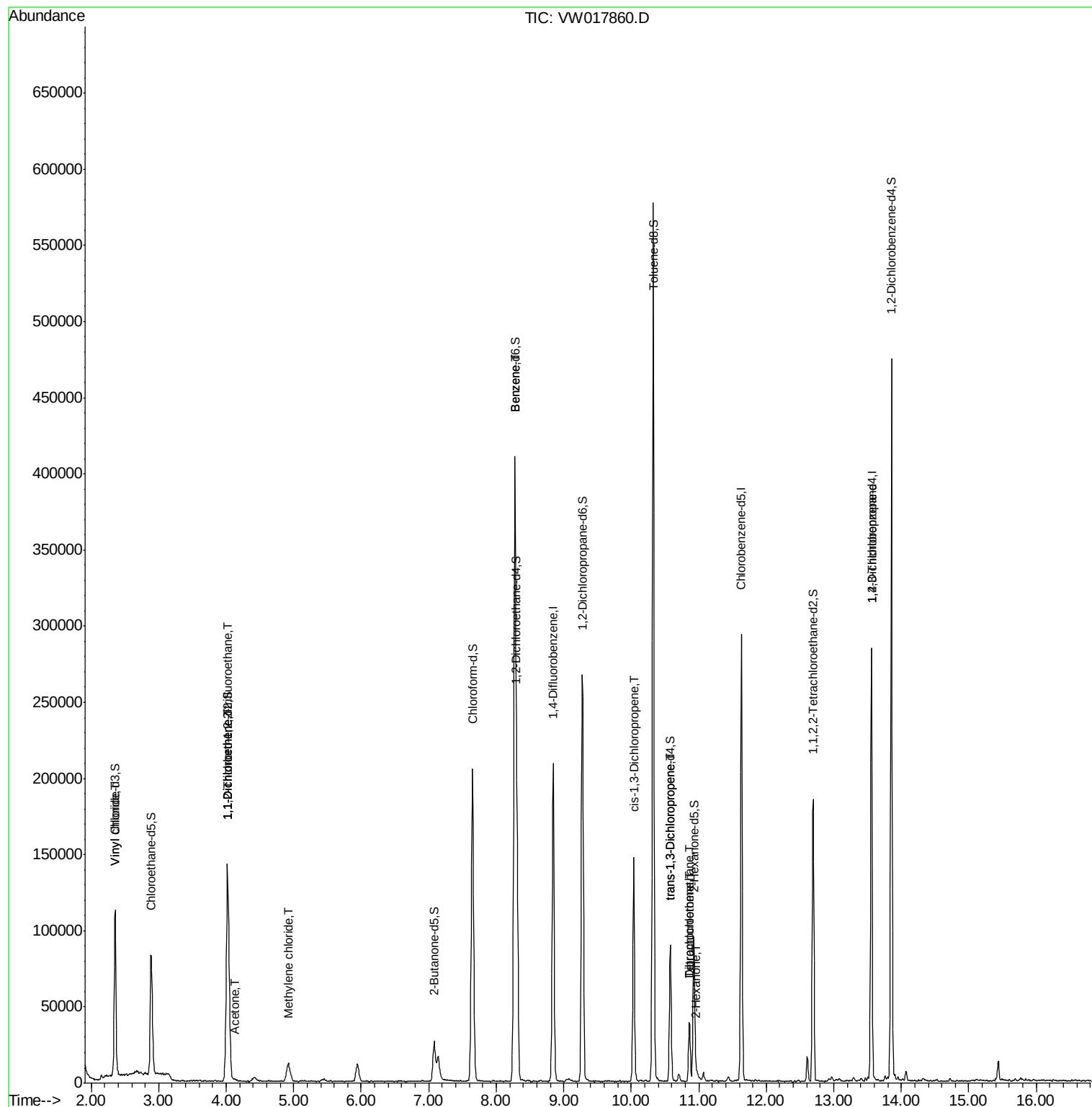
					Qvalue
5) Vinyl chloride	2.36	62	809	0.291 ug/L #	1
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1697	0.796 ug/L #	22
12) 1,1-Dichloroethene	4.01	96	1412	0.683 ug/L #	1
13) Acetone	4.13	43	1947	5.361 ug/L	88
16) Methylene chloride	4.91	84	5508	2.297 ug/L	90
34) Benzene	8.27	78	3610	0.409 ug/L	100
42) cis-1,3-Dichloropropene	10.04	75	4701	1.415 ug/L	85
45) trans-1,3-Dichloropropene	10.58	75	2861	1.011 ug/L	97
47) Tetrachloroethene	10.86	164	7230	3.789 ug/L	95
49) 2-Hexanone	10.96	43	961	1.339 ug/L #	42
50) Dibromochloromethane	10.86	129	7763	4.226 ug/L #	9
59) 1,2,3-Trichloropropane	13.55	75	10518	8.285 ug/L	92

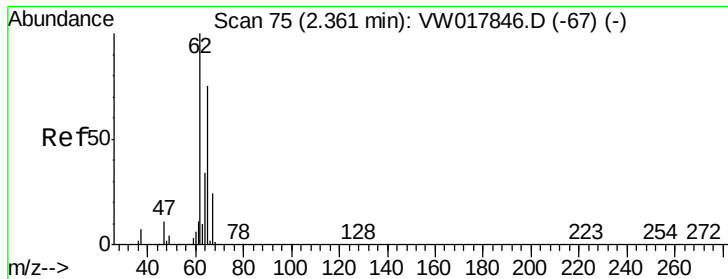
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.291 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW017860.D

Acq: 13 Jan 2021 20:13

Instrument :

MSVOA_W

ClientSampleId :

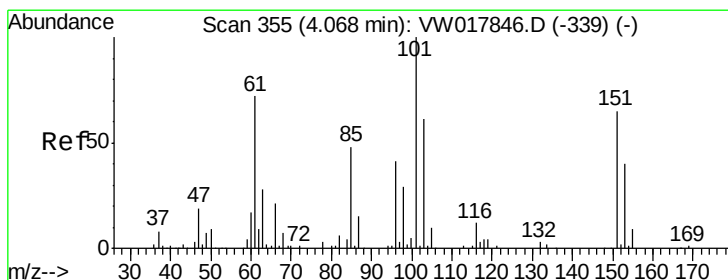
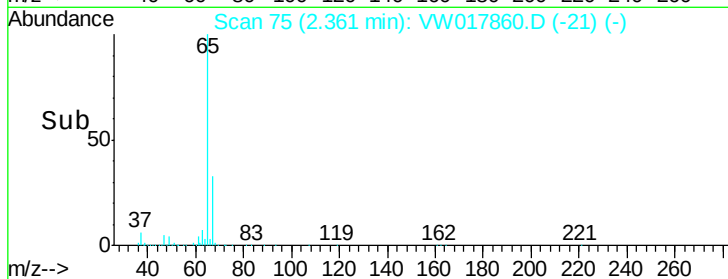
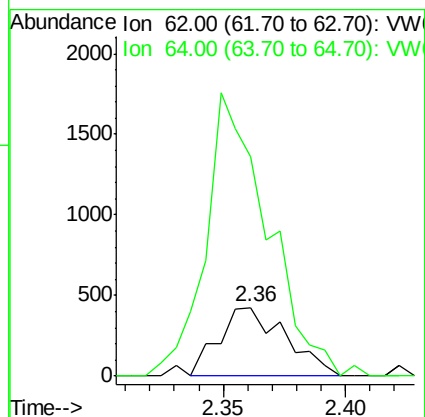
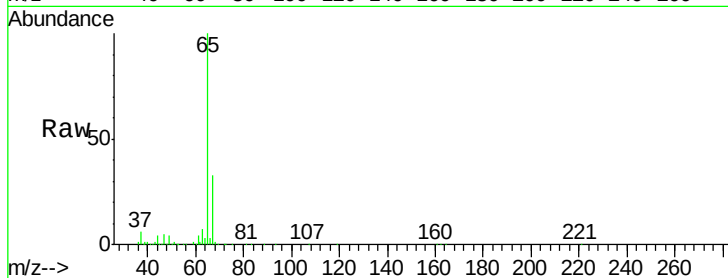
F1A04

Tgt Ion: 62 Resp: 809

Ion Ratio Lower Upper

62 100

64 319.3 23.3 43.3#



#11

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

Concen: 0.796 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW017860.D

Acq: 13 Jan 2021 20:13

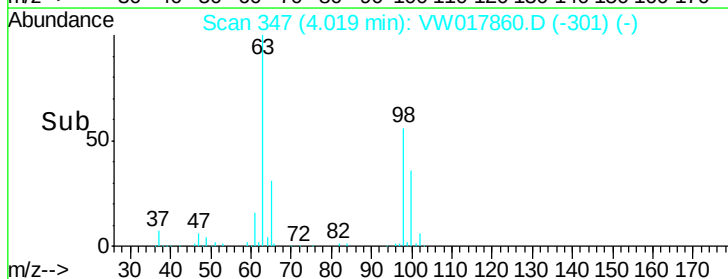
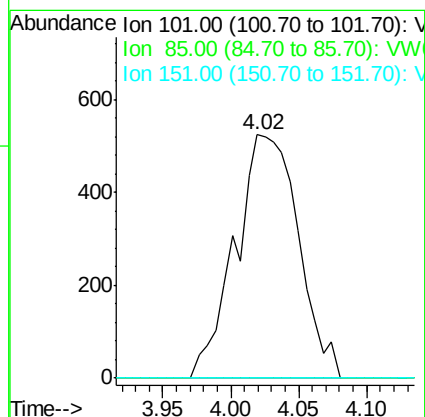
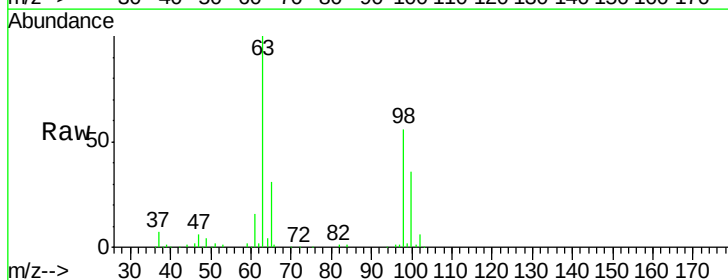
Tgt Ion: 101 Resp: 1697

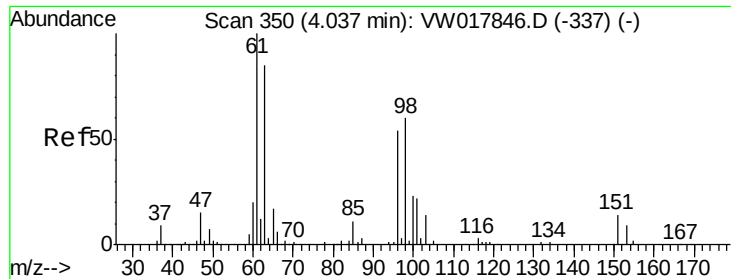
Ion Ratio Lower Upper

101 100

85 2.9 36.7 55.1#

151 0.0 57.7 86.5#





#12

1,1-Dichloroethene

Concen: 0.683 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.02 min

Lab File: VW017860.D

Acq: 13 Jan 2021 20:13

Instrument :

MSVOA_W

ClientSampled :

F1A04

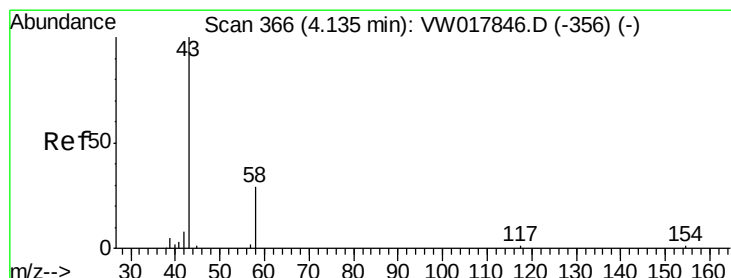
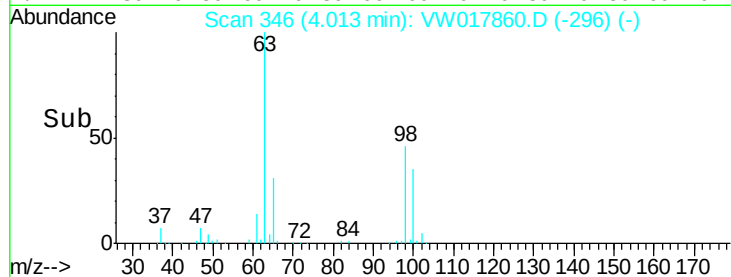
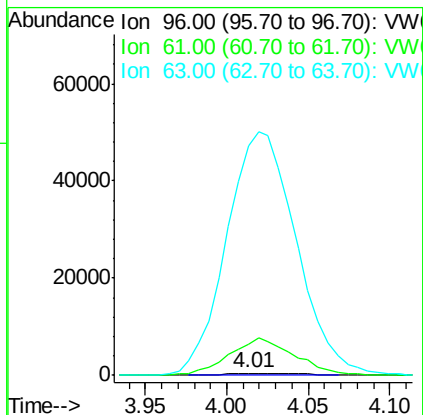
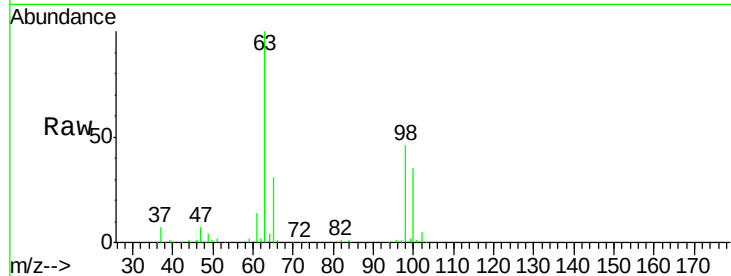
Tgt Ion: 96 Resp: 1412

Ion Ratio Lower Upper

96 100

61 1509.6 126.1 234.1#

63 11059.8 90.0 167.2#



#13

Acetone

Concen: 5.361 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017860.D

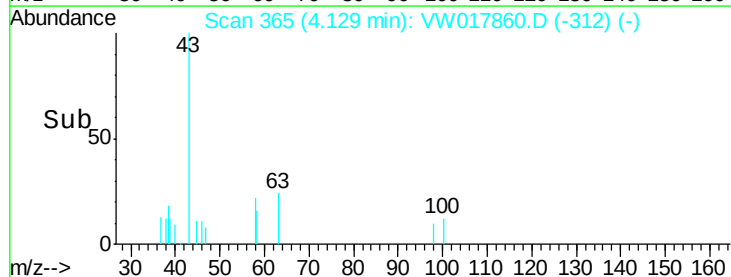
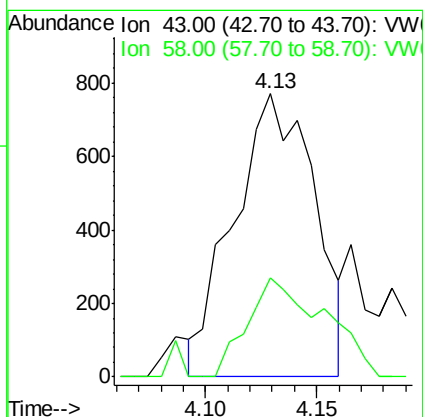
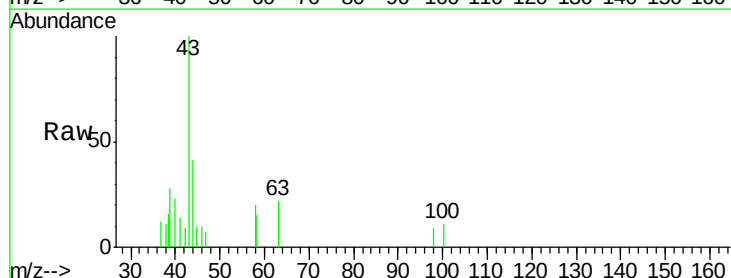
Acq: 13 Jan 2021 20:13

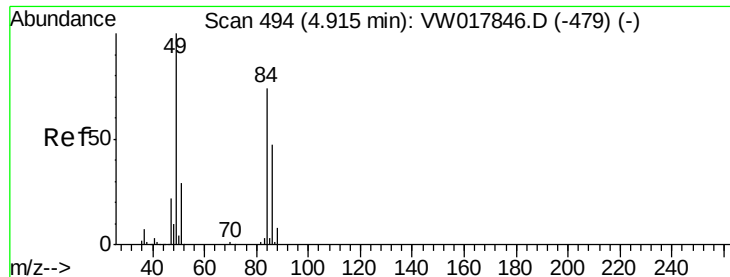
Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

58 23.8 0.0 60.8

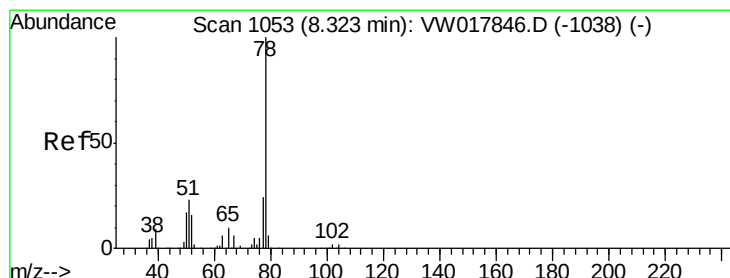
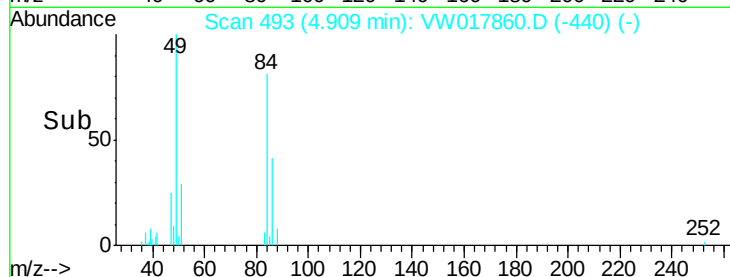
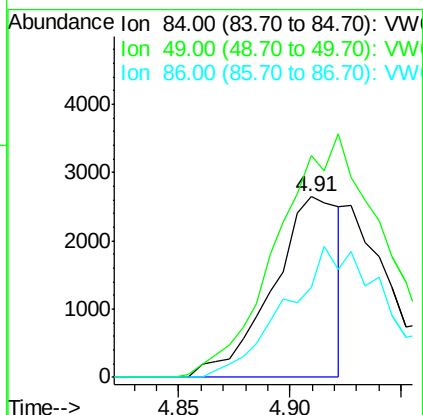
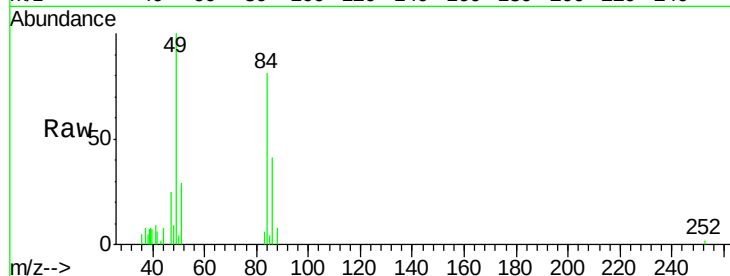




#16
Methylene chloride
Concen: 2.297 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW017860.D
Acq: 13 Jan 2021 20:13

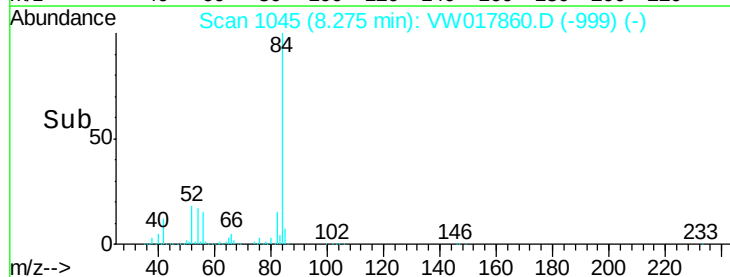
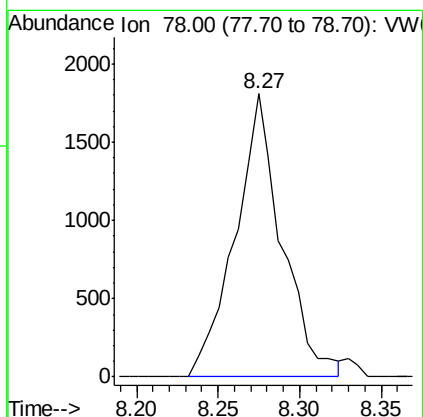
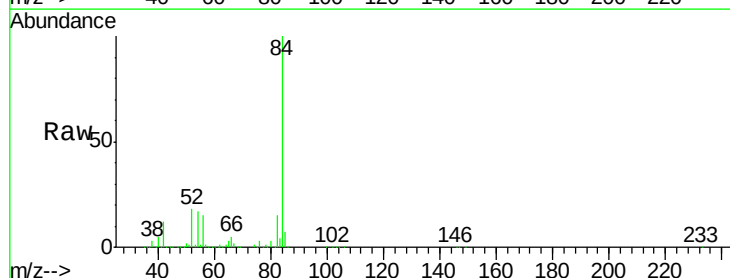
Instrument :
MSVOA_W
ClientSampled :
F1A04

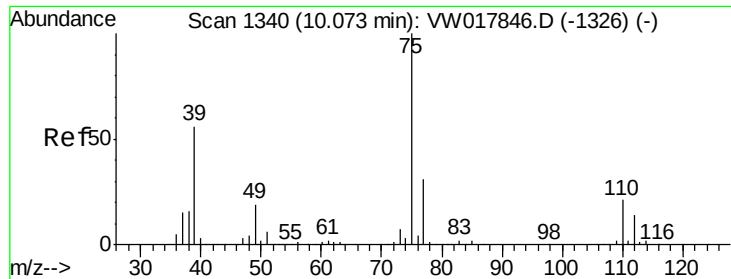
Tgt Ion: 84 Resp: 5508
Ion Ratio Lower Upper
84 100
49 122.7 90.5 168.1
86 49.9 44.8 83.2



#34
Benzene
Concen: 0.409 ug/L
RT: 8.27 min Scan# 1045
Delta R.T. -0.05 min
Lab File: VW017860.D
Acq: 13 Jan 2021 20:13

Tgt Ion: 78 Resp: 3610

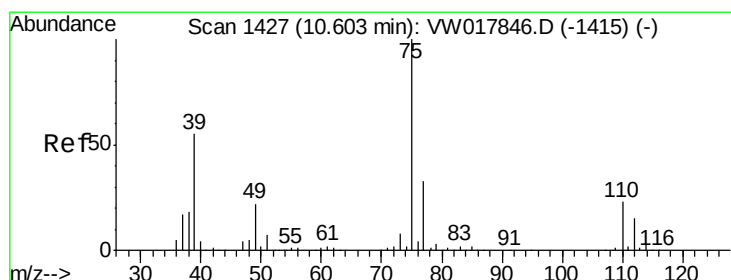
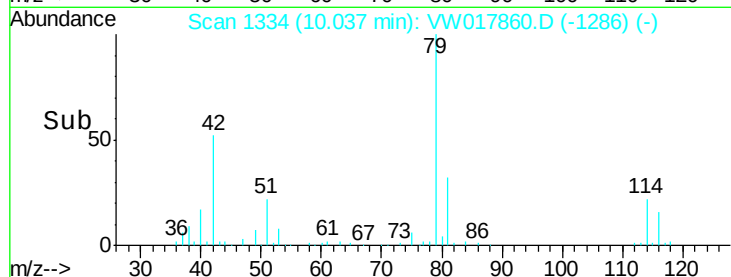
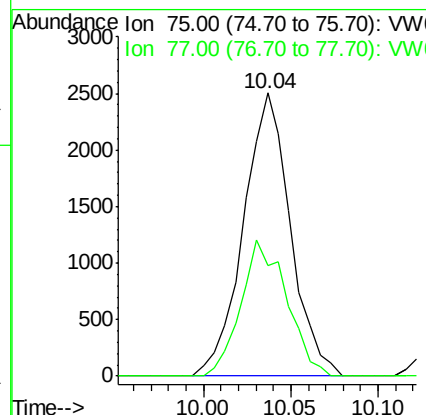
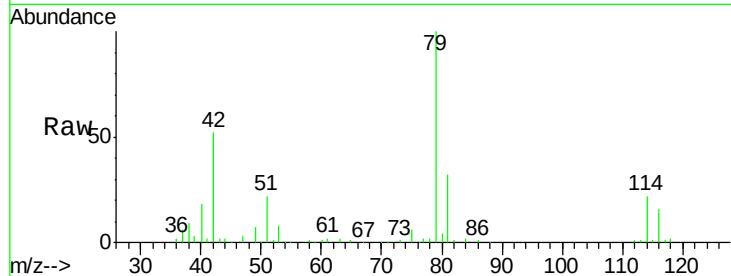




#42
 cis-1,3-Dichloropropene
 Concen: 1.415 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017860.D
 Acq: 13 Jan 2021 20:13

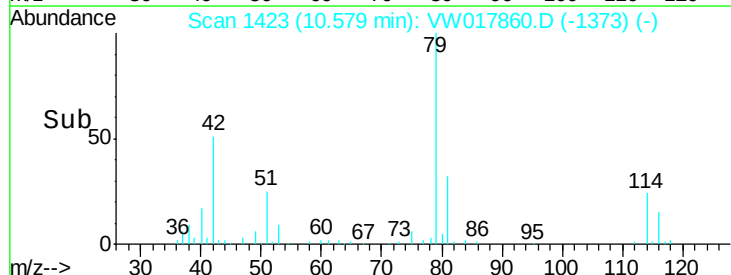
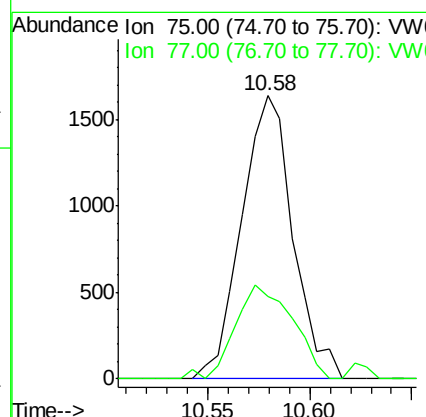
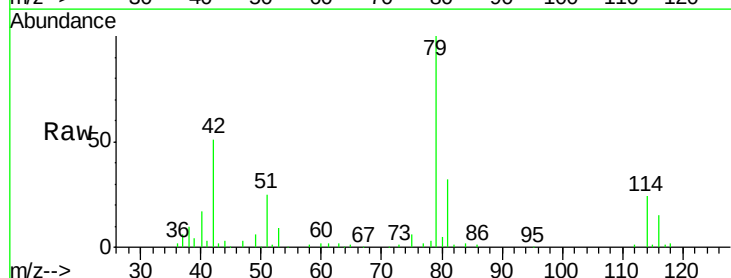
Instrument :
 MSVOA_W
 ClientSampled :
 F1A04

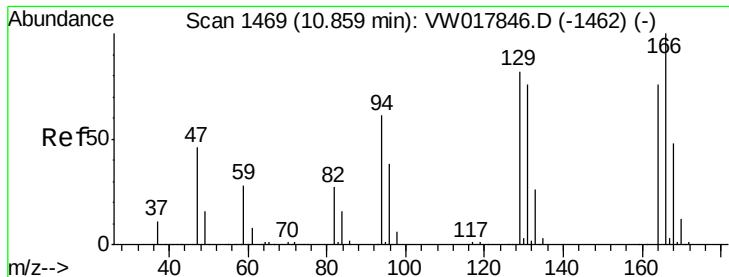
Tgt Ion: 75 Resp: 4701
 Ion Ratio Lower Upper
 75 100
 77 39.2 21.6 40.2



#45
 trans-1,3-Dichloropropene
 Concen: 1.011 ug/L
 RT: 10.58 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: VW017860.D
 Acq: 13 Jan 2021 20:13

Tgt Ion: 75 Resp: 2861
 Ion Ratio Lower Upper
 75 100
 77 29.0 21.6 40.0





#47

Tetrachloroethene

Concen: 3.789 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017860.D

Acq: 13 Jan 2021 20:13

Instrument :

MSVOA_W

ClientSampled :

F1A04

Tgt Ion:164 Resp: 7230

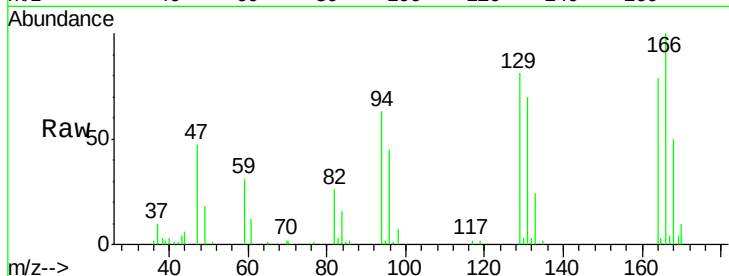
Ion Ratio Lower Upper

164 100

129 102.9 62.9 116.9

131 89.7 63.8 118.6

166 127.3 87.4 162.2

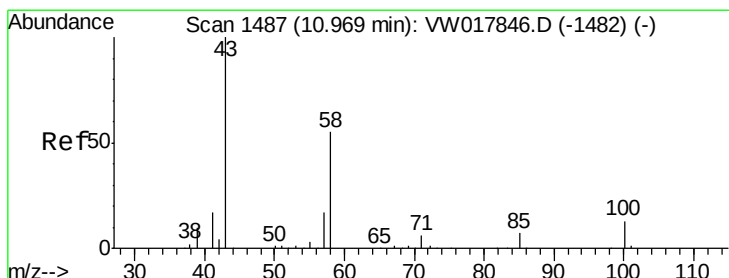
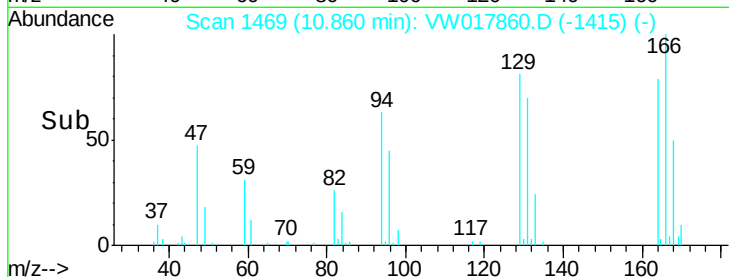
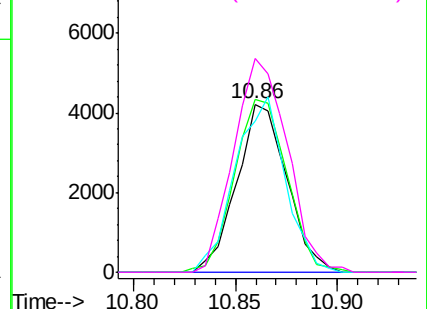


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 1.339 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW017860.D

Acq: 13 Jan 2021 20:13

Tgt Ion: 43 Resp: 961

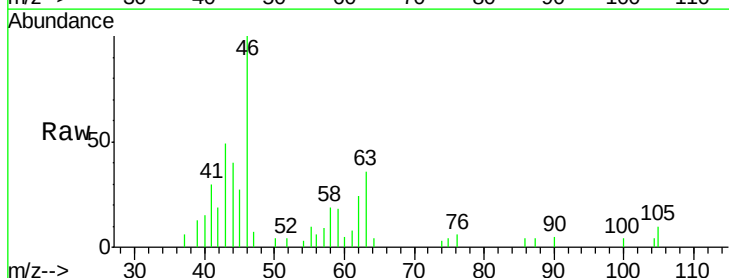
Ion Ratio Lower Upper

43 100

58 120.6 44.2 66.4#

57 21.6 16.1 24.1

100 11.1 11.0 16.4

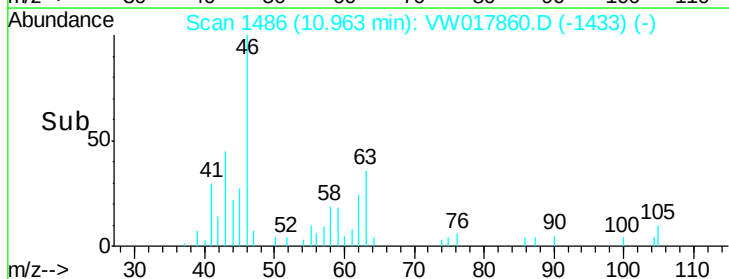
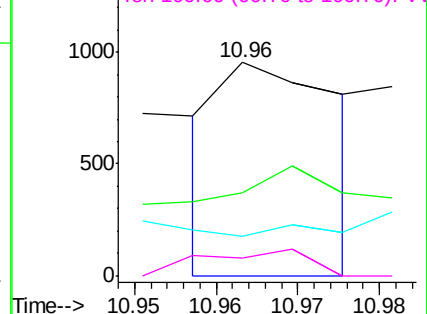


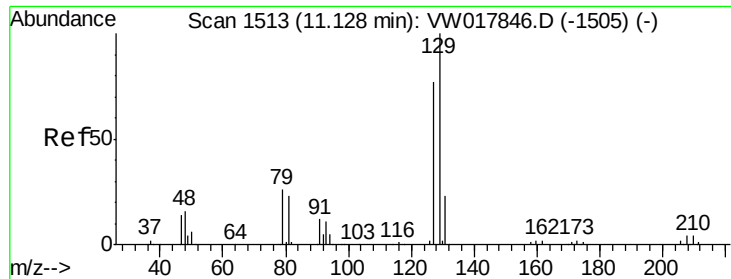
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 4.226 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017860.D

Acq: 13 Jan 2021 20:13

Instrument :

MSVOA_W

ClientSampleId :

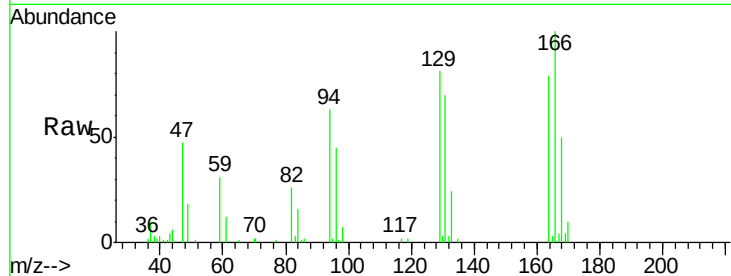
F1A04

Tgt Ion: 129 Resp: 7763

Ion Ratio Lower Upper

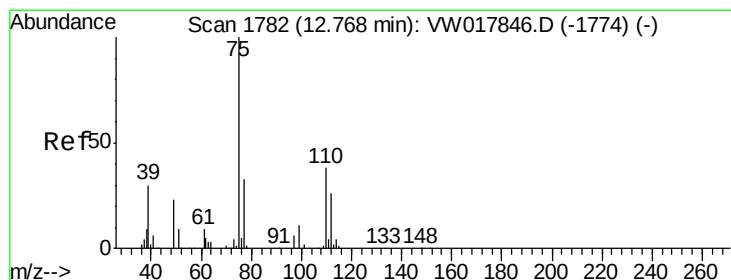
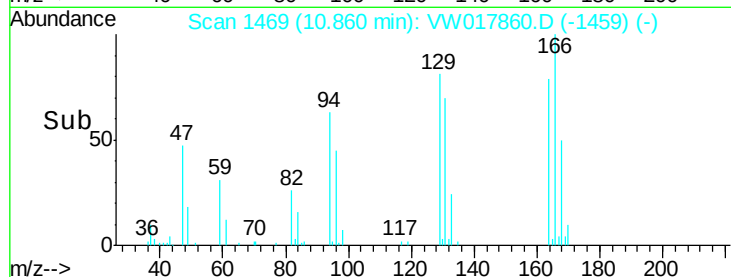
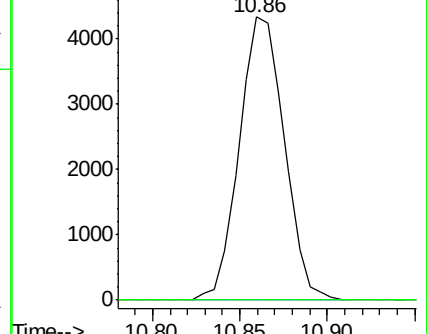
129 100

127 0.0 56.1 104.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 8.285 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017860.D

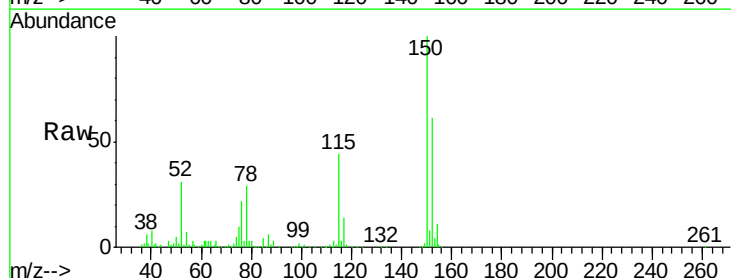
Acq: 13 Jan 2021 20:13

Tgt Ion: 75 Resp: 10518

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

