

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011321\
 Data File : VW017856.D
 Acq On : 13 Jan 2021 18:39
 Operator : SY/VA
 Sample : M1132-08
 Misc : 5.64G/10ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1A07

Quant Time: Jan 14 11:43:20 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	281549	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	236164	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	90545	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125500	28.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.24%
7) Chloroethane-d5	2.89	69	105322	29.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.16%
10) 1,1-Dichloroethene-d2	4.02	63	154443	20.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.40%
20) 2-Butanone-d5	7.08	46	55126	78.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.16%#
24) Chloroform-d	7.65	84	214174	29.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.44%
26) 1,2-Dichloroethane-d4	8.30	65	129685	34.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	136.24%#
29) Benzene-d6	8.27	84	406855	30.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.32%
33) 1,2-Dichloropropane-d6	9.27	67	120867	32.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.84%#
37) Toluene-d8	10.32	98	350413	27.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.72%
38) trans-1,3-Dichloropropene-	10.58	79	46069	28.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.72%
39) 2-Hexanone-d5	10.93	63	36760	79.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.66%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93771	34.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	137.80%#
61) 1,2-Dichlorobenzene-d4	13.85	152	82772	26.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.00%

Target Compounds

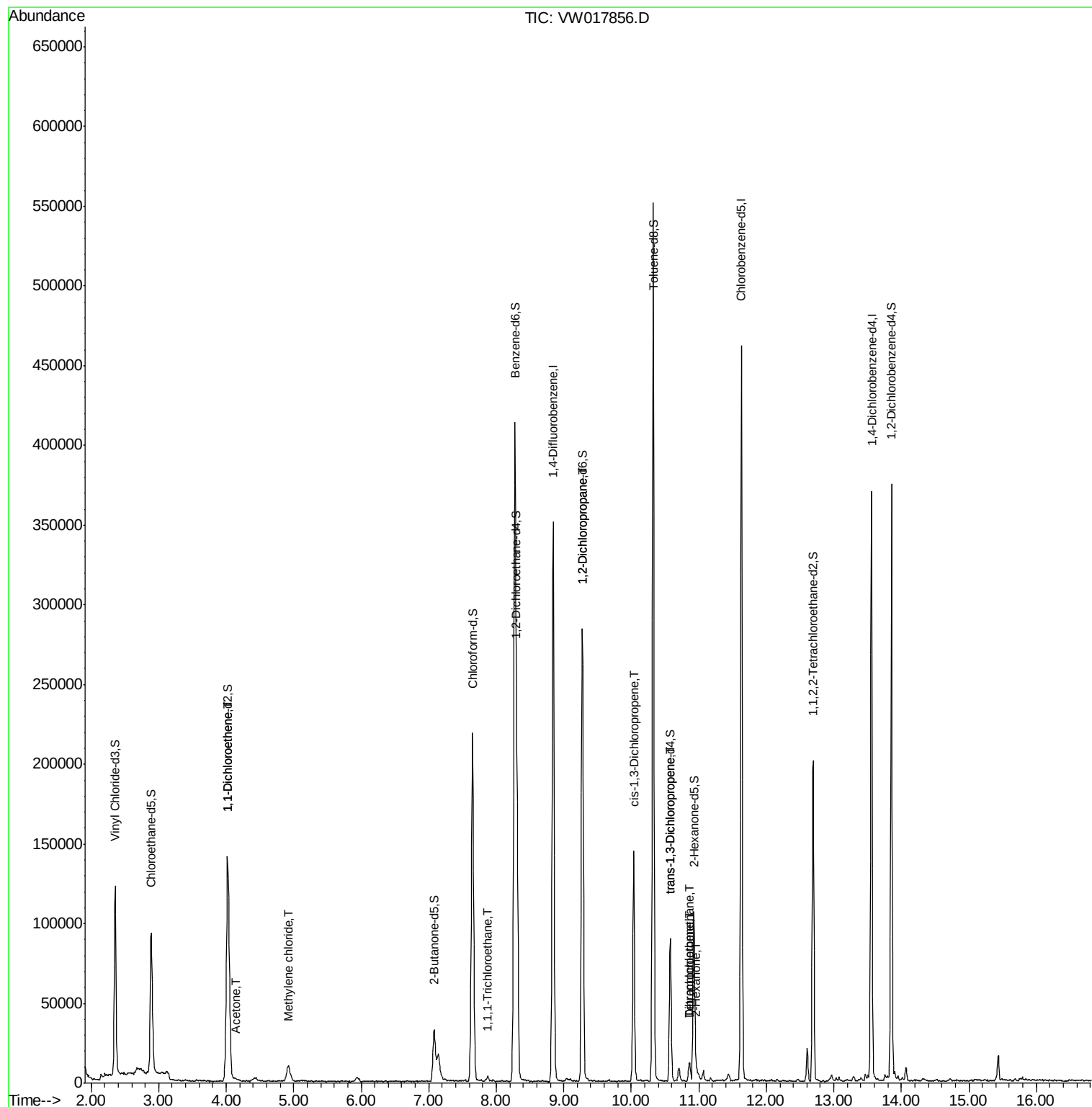
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	1240	0.357	ug/L #	1
13) Acetone	4.14	43	236	0.387	ug/L #	1
16) Methylene chloride	4.92	84	4365	1.084	ug/L	90
31) 1,1,1-Trichloroethane	7.87	97	1751	0.322	ug/L #	50
40) 1,2-Dichloropropane	9.28	63	15605	4.895	ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	4690	0.922	ug/L #	65
45) trans-1,3-Dichloropropene	10.58	75	2743	0.633	ug/L	98
47) Tetrachloroethene	10.87	164	2214	0.758	ug/L	90
49) 2-Hexanone	10.96	43	2505	2.280	ug/L #	54
50) Dibromochloromethane	10.86	129	2422	0.861	ug/L #	9

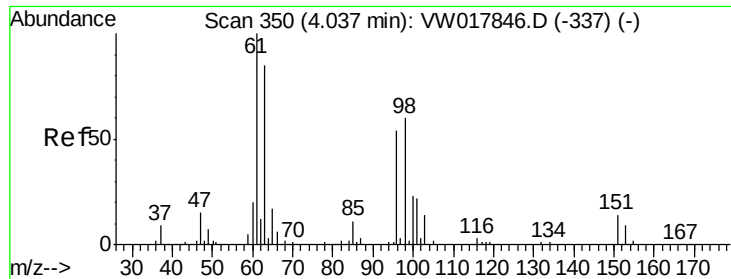
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.357 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW017856.D

Acq: 13 Jan 2021 18:39

Instrument :

MSVOA_W

ClientSampleId :

F1A07

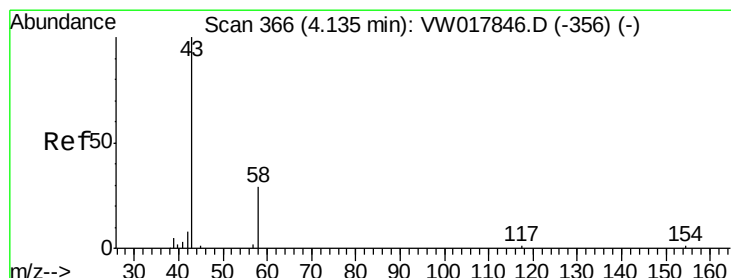
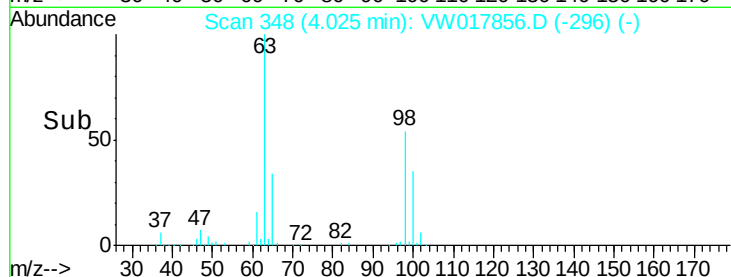
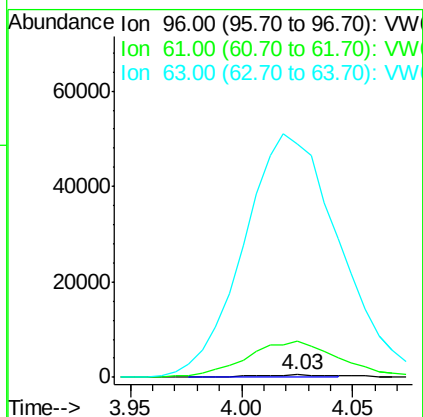
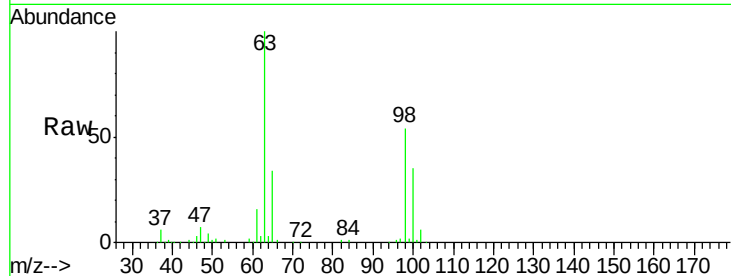
Tgt Ion: 96 Resp: 1240

Ion Ratio Lower Upper

96 100

61 1461.3 126.1 234.1#

63 9393.1 90.0 167.2#



#13

Acetone

Concen: 0.387 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017856.D

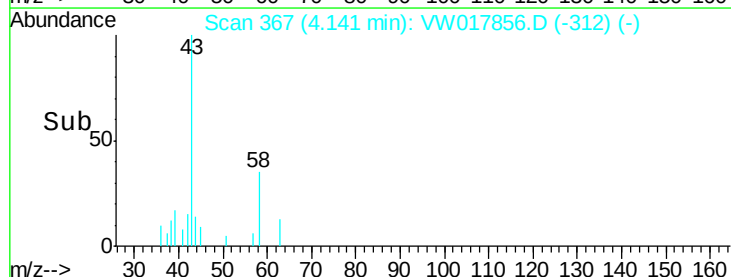
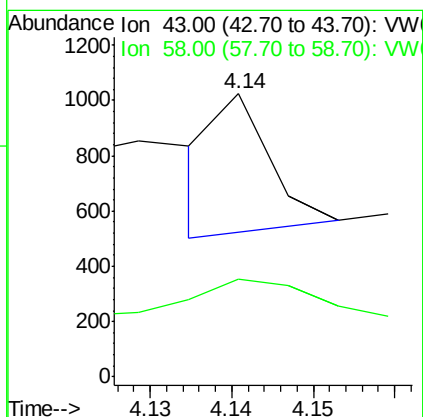
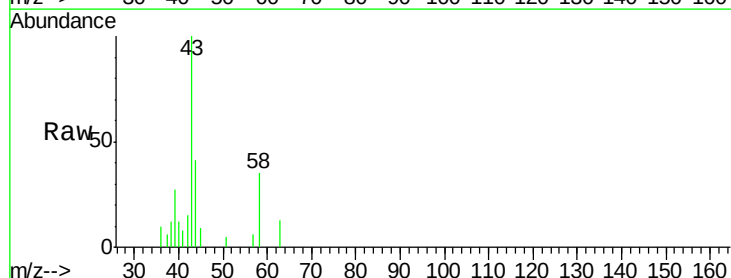
Acq: 13 Jan 2021 18:39

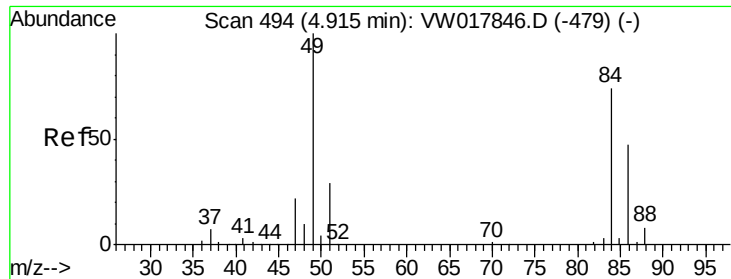
Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

43 100

58 454.2 0.0 60.8#

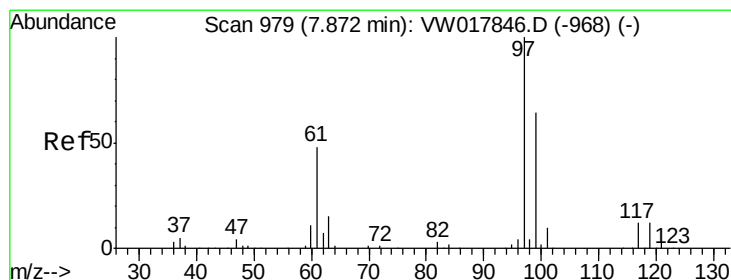
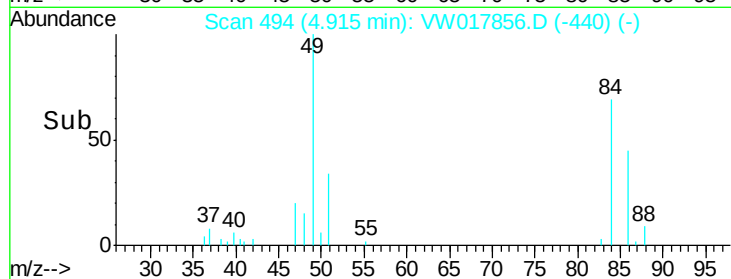
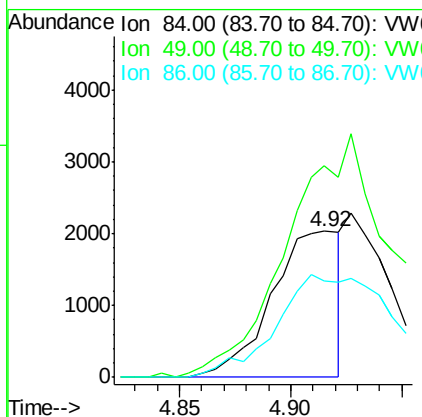
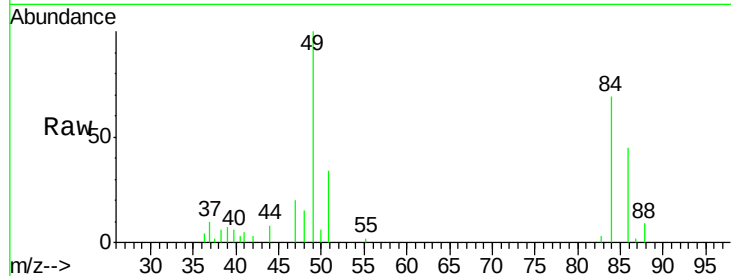




#16
Methylene chloride
Concen: 1.084 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW017856.D
Acq: 13 Jan 2021 18:39

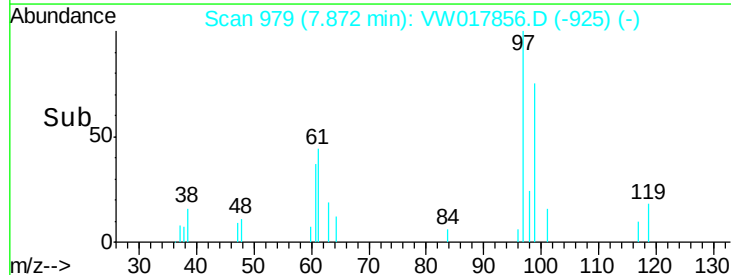
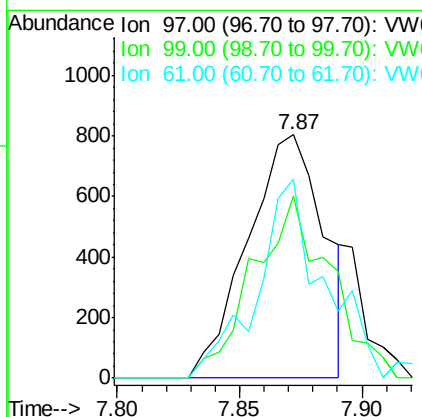
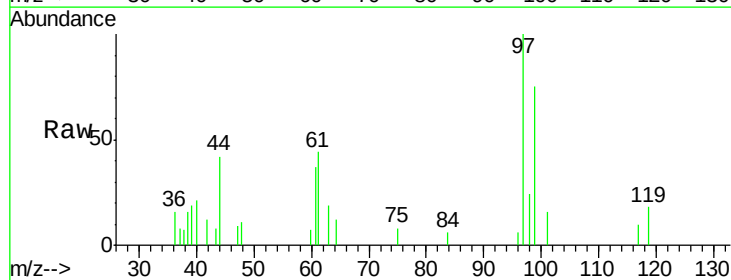
Instrument :
MSVOA_W
ClientSampled :
F1A07

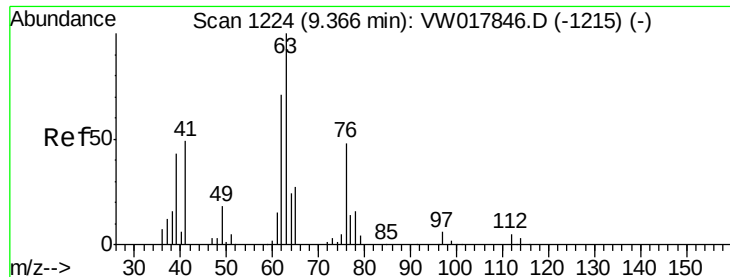
Tgt Ion: 84 Resp: 4365
Ion Ratio Lower Upper
84 100
49 144.6 90.5 168.1
86 65.8 44.8 83.2



#31
1,1,1-Trichloroethane
Concen: 0.322 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017856.D
Acq: 13 Jan 2021 18:39

Tgt Ion: 97 Resp: 1751
Ion Ratio Lower Upper
97 100
99 10.3 51.1 76.7#
61 59.6 35.8 53.8#





#40

1,2-Dichloropropane

Concen: 4.895 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW017856.D

Acq: 13 Jan 2021 18:39

Instrument :

MSVOA_W

ClientSampleId :

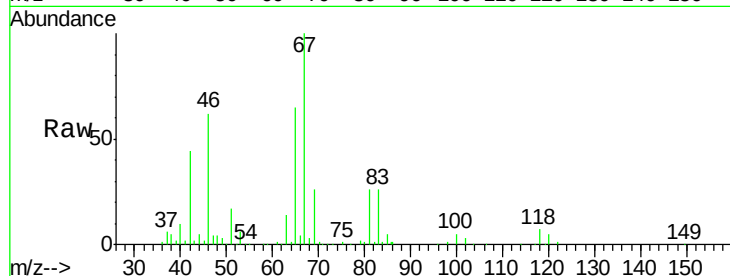
F1A07

Tgt Ion: 63 Resp: 15605

Ion Ratio Lower Upper

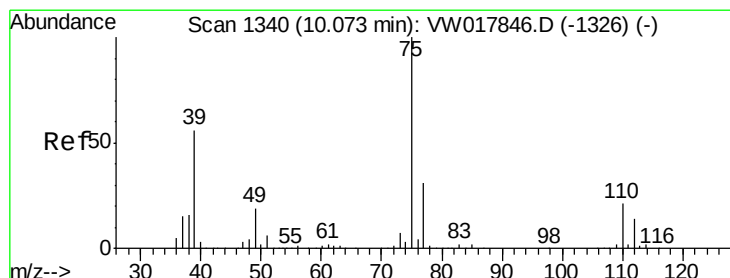
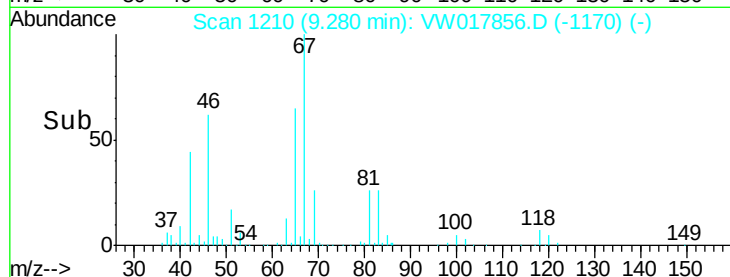
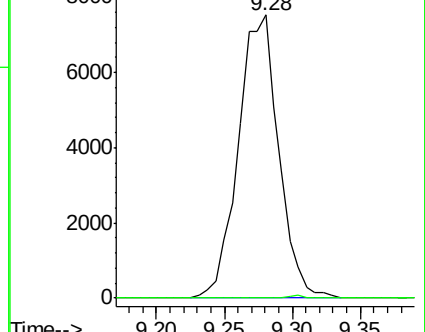
63 100

112 0.3 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.922 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017856.D

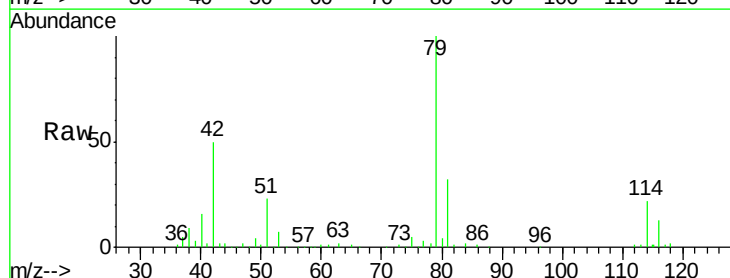
Acq: 13 Jan 2021 18:39

Tgt Ion: 75 Resp: 4690

Ion Ratio Lower Upper

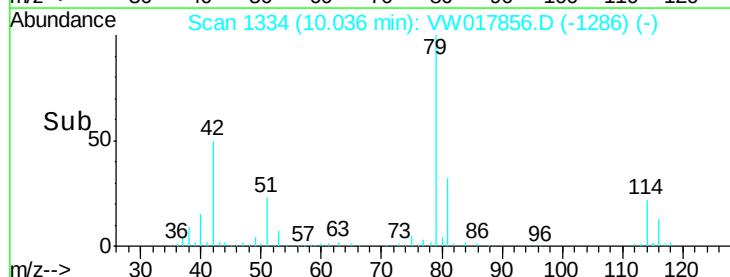
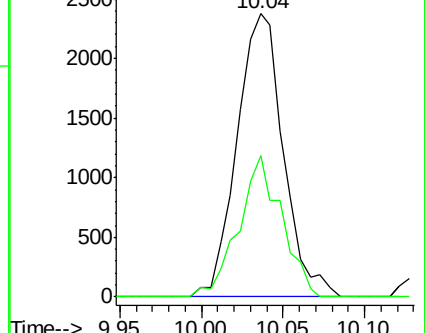
75 100

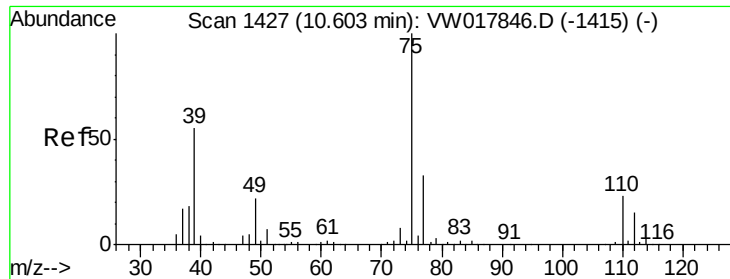
77 49.9 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

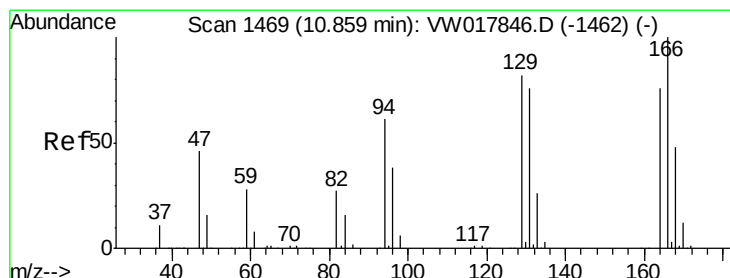
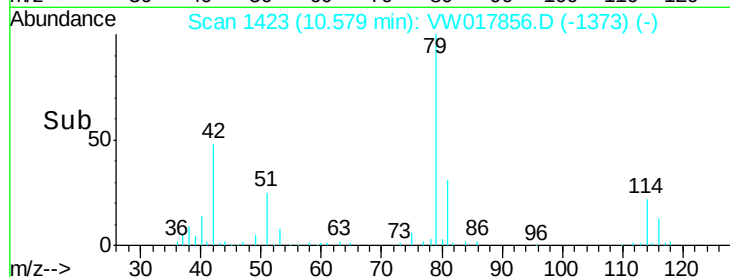
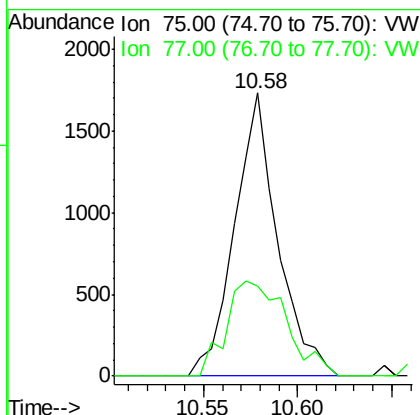
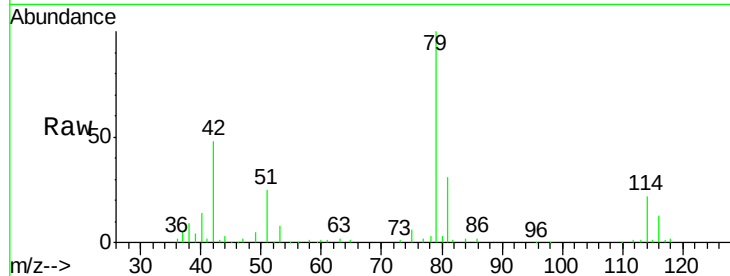




#45
trans-1,3-Dichloropropene
Concen: 0.633 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VW017856.D
Acq: 13 Jan 2021 18:39

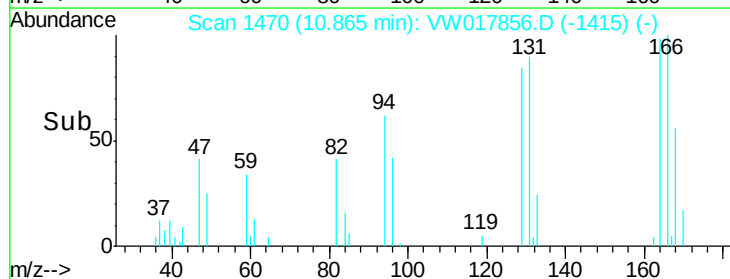
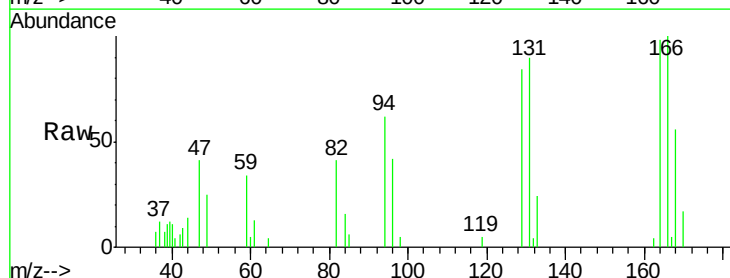
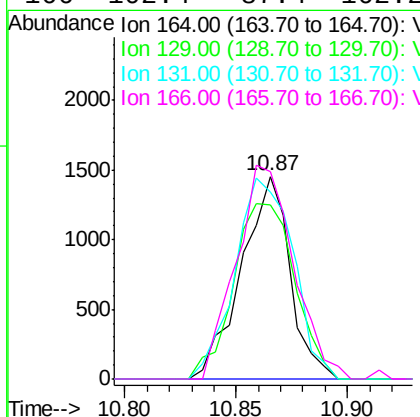
Instrument :
MSVOA_W
ClientSampleId :
F1A07

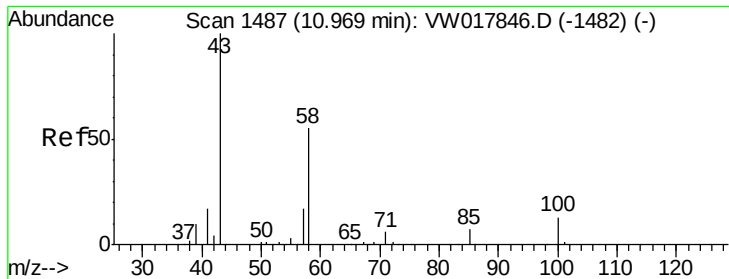
Tgt Ion: 75 Resp: 2743
Ion Ratio Lower Upper
75 100
77 32.0 21.6 40.0



#47
Tetrachloroethene
Concen: 0.758 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017856.D
Acq: 13 Jan 2021 18:39

Tgt Ion:164 Resp: 2214
Ion Ratio Lower Upper
164 100
129 85.8 62.9 116.9
131 92.3 63.8 118.6
166 102.4 87.4 162.2





#49

2-Hexanone

Concen: 2.280 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW017856.D

Acq: 13 Jan 2021 18:39

Instrument :

MSVOA_W

ClientSampled :

F1A07

Tgt Ion: 43 Resp: 2505

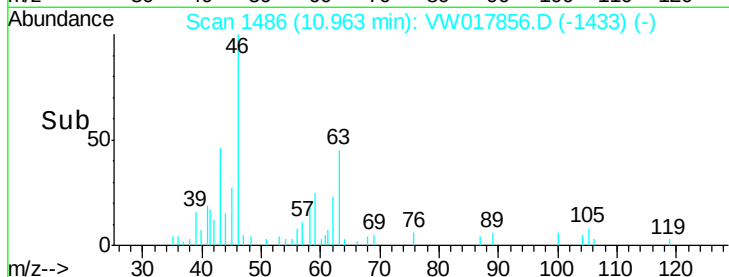
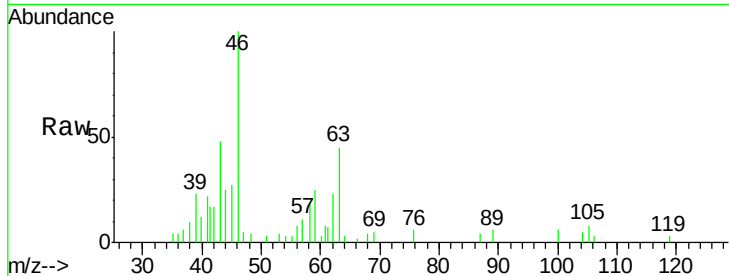
Ion Ratio Lower Upper

43 100

58 9.7 44.2 66.4#

57 10.1 16.1 24.1#

100 7.3 11.0 16.4#

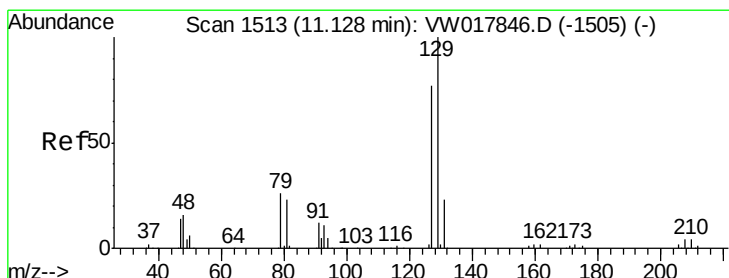
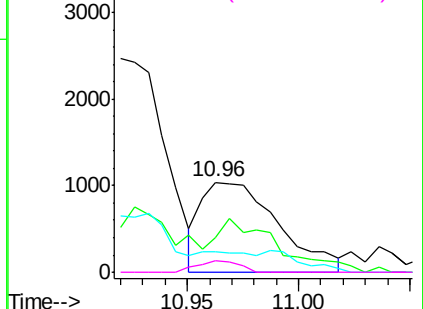


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 0.861 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017856.D

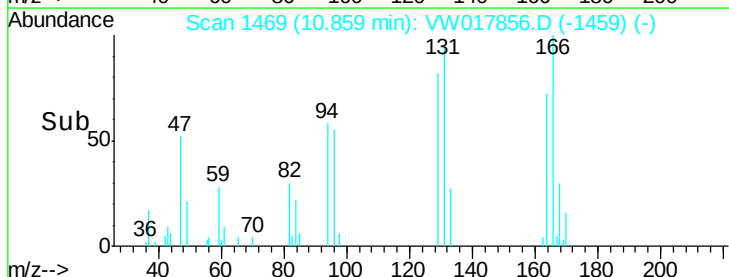
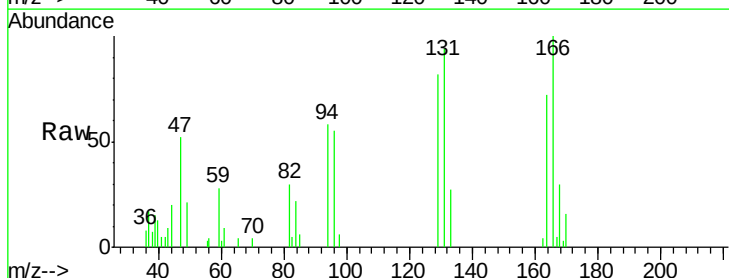
Acq: 13 Jan 2021 18:39

Tgt Ion: 129 Resp: 2422

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

