

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017889.D
 Acq On : 14 Jan 2021 18:50
 Operator : SY/VA
 Sample : M1132-13
 Misc : 5.25G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 14 21:47:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 21:44:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	296661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269157	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	117704	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	128060	27.90	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.60%
7) Chloroethane-d5	2.89	69	118900	31.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.56%
10) 1,1-Dichloroethene-d2	4.01	63	149391	18.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.72%
20) 2-Butanone-d5	7.09	46	38020	51.11	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.22%
24) Chloroform-d	7.65	84	201245	25.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.84%
26) 1,2-Dichloroethane-d4	8.31	65	112373	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.04%
29) Benzene-d6	8.27	84	391502	25.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.28%
33) 1,2-Dichloropropane-d6	9.27	67	113339	27.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.48%
37) Toluene-d8	10.32	98	358509	24.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.48%
38) trans-1,3-Dichloropropene-	10.58	79	41469	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.04%
39) 2-Hexanone-d5	10.93	63	26657	50.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	81814	26.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	103108	25.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.64%

Target Compounds

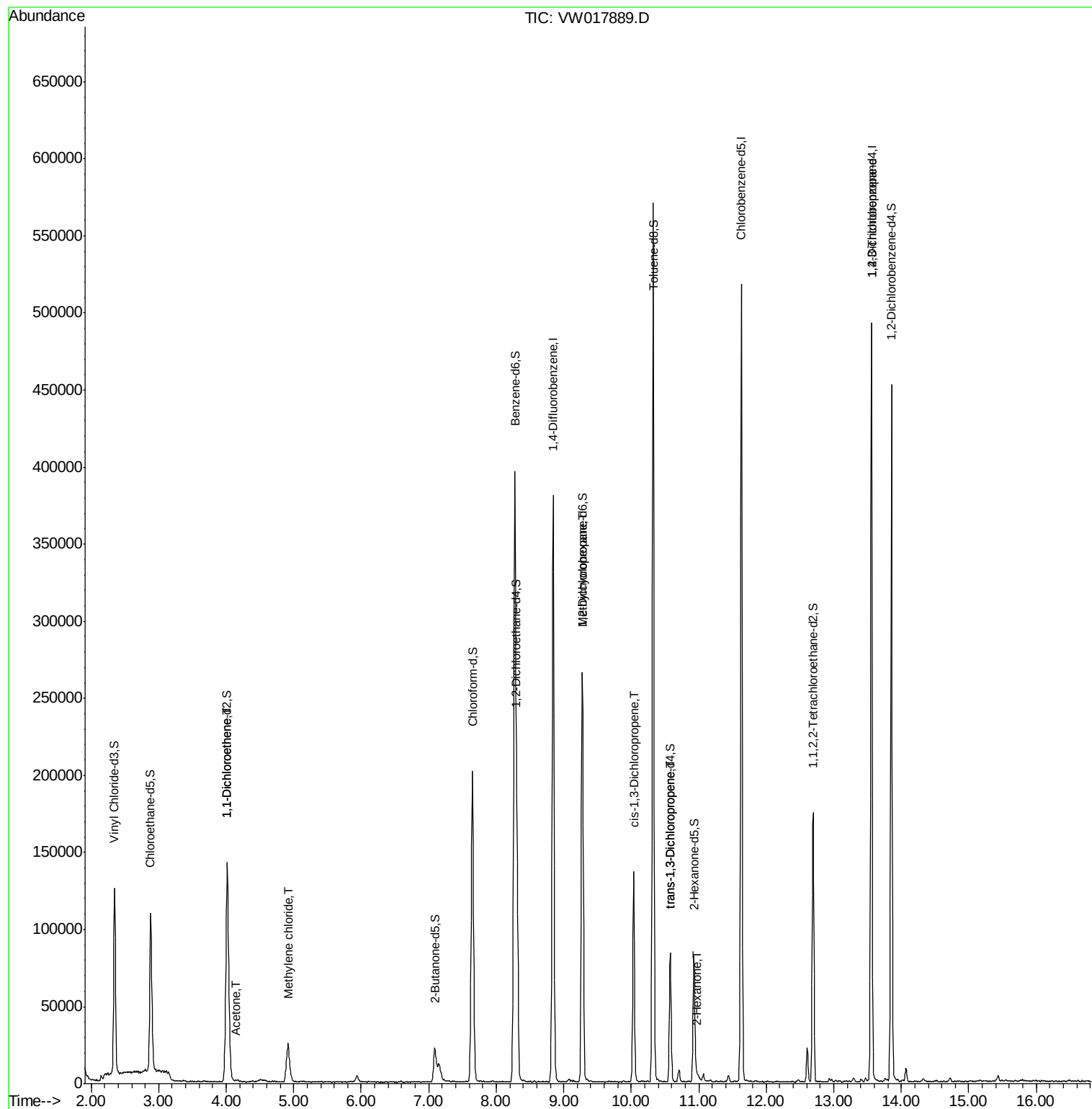
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.02	96	1401	0.383	ug/L #	1
13) Acetone	4.14	43	598	0.931	ug/L	94
16) Methylene chloride	4.92	84	18504	4.362	ug/L	93
36) Methylcyclohexane	9.27	83	27841	3.739	ug/L #	21
42) cis-1,3-Dichloropropene	10.04	75	4126	0.712	ug/L #	70
45) trans-1,3-Dichloropropene	10.58	75	2632	0.533	ug/L	99
49) 2-Hexanone	10.98	43	1343	1.072	ug/L #	58
59) 1,2,3-Trichloropropane	13.55	75	18597	8.393	ug/L	97

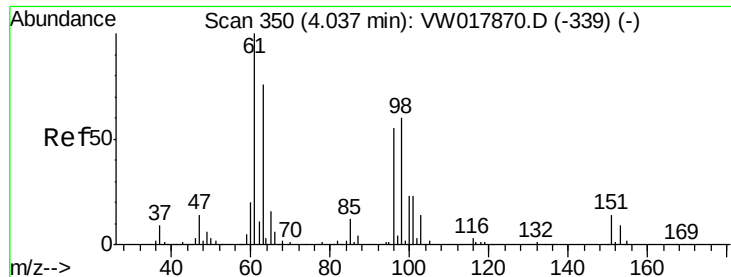
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 21:44:45 2021
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#12

1,1-Dichloroethene

Concen: 0.383 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017889.D

Acq: 14 Jan 2021 18:50

Instrument :

MSVOA_W

ClientSampled :

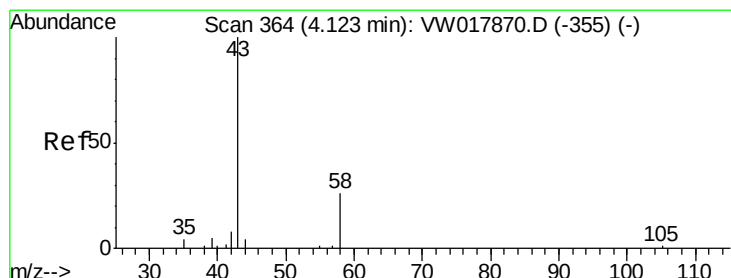
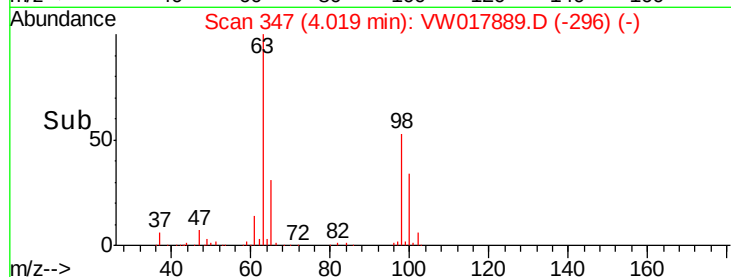
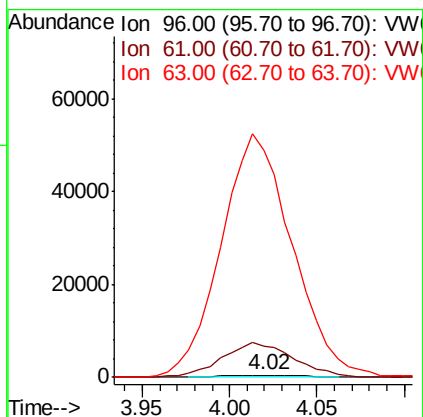
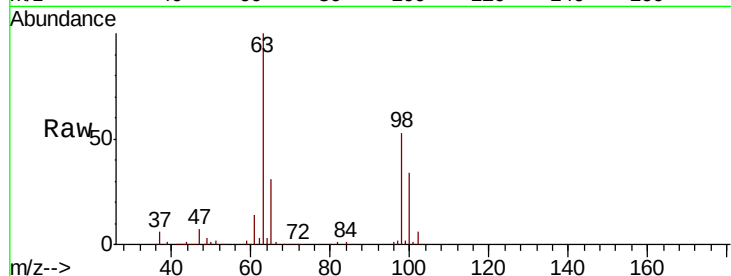
Tot Ion: 96 Resp: 1401

Ion Ratio Lower Upper

96 100

61 1387.8 126.1 234.1#

63 9986.2 90.0 167.2#



#13

Acetone

Concen: 0.931 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW017889.D

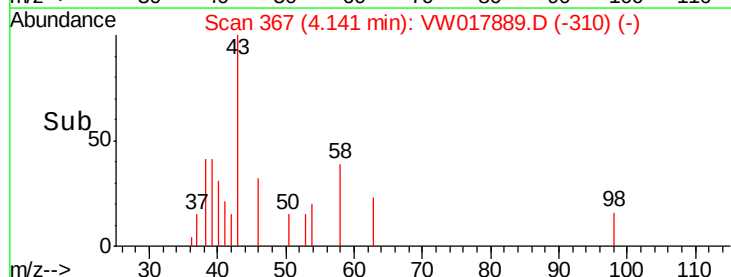
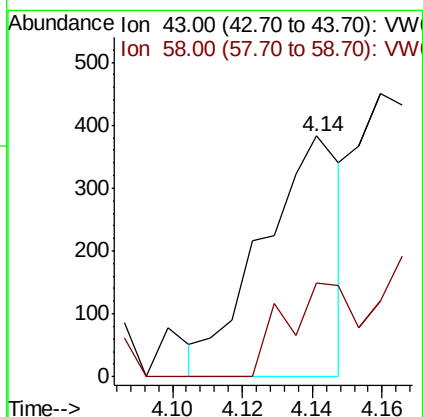
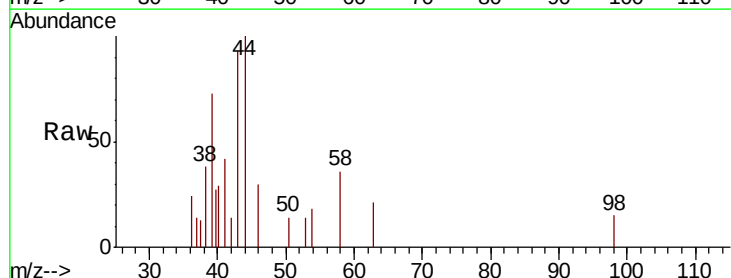
Acq: 14 Jan 2021 18:50

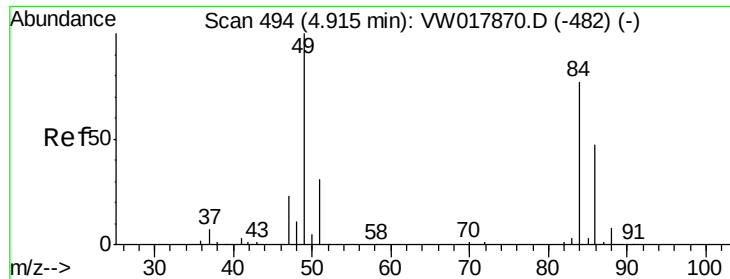
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 33.8 0.0 60.8

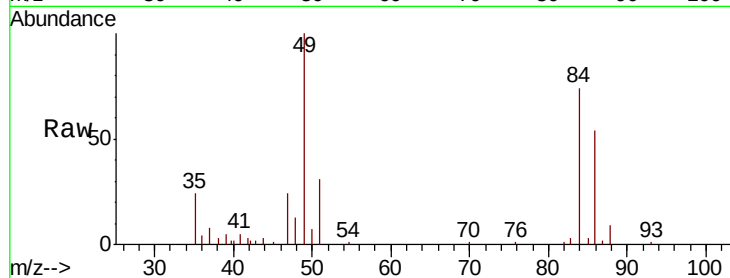




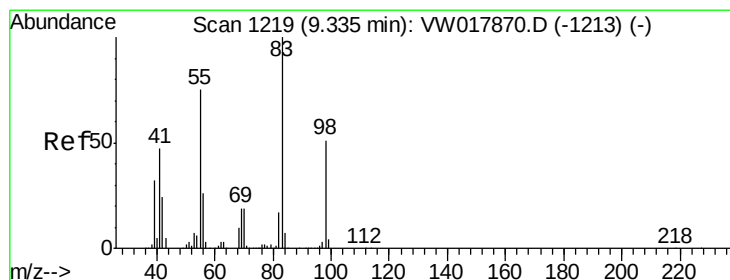
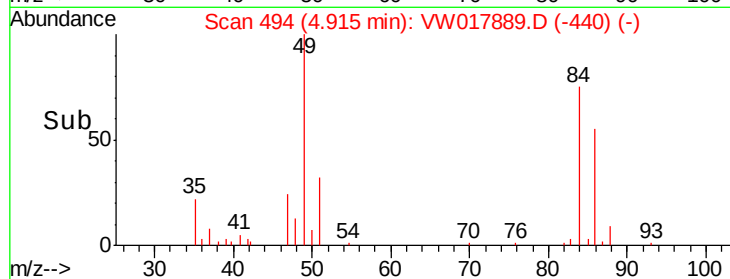
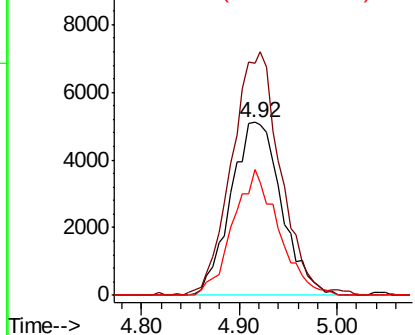
#16
Methvlene chloride
Concen: 4.362 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017889.D
Acq: 14 Jan 2021 18:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 18504
Ion Ratio Lower Upper
84 100
49 134.4 90.5 168.1
86 72.8 44.8 83.2

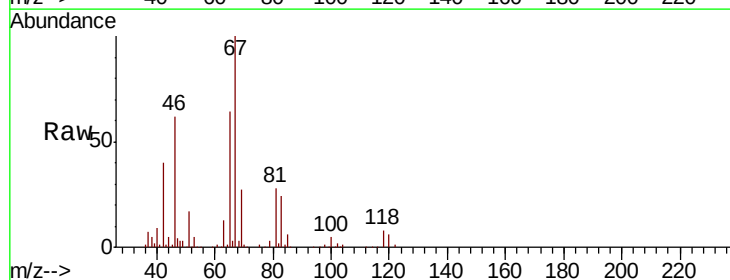


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

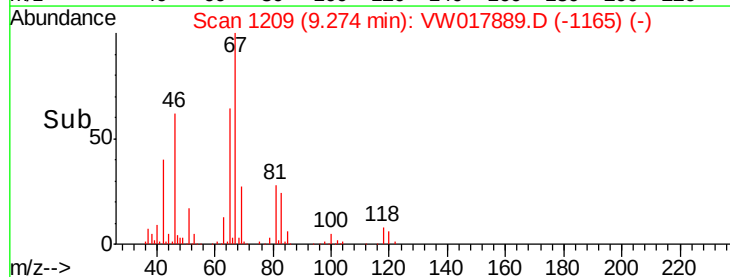
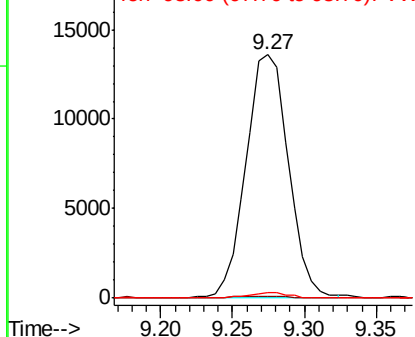


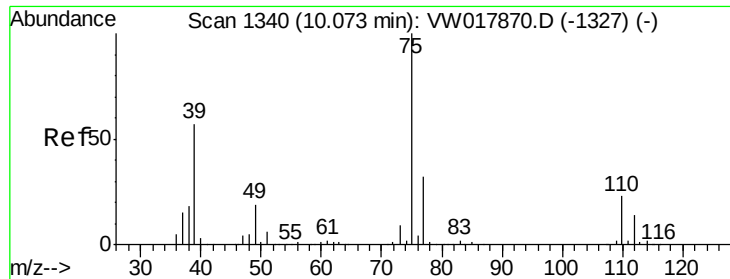
#36
Methylcyclohexane
Concen: 3.739 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017889.D
Acq: 14 Jan 2021 18:50

Tgt Ion: 83 Resp: 27841
Ion Ratio Lower Upper
83 100
55 0.9 57.6 86.4#
98 2.0 39.7 59.5#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.712 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017889.D

Acq: 14 Jan 2021 18:50

Instrument :

MSVOA_W

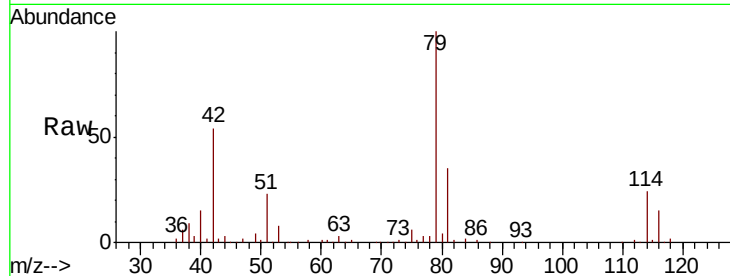
ClientSampled :

Tot Ion: 75 Resp: 4126

Ion Ratio Lower Upper

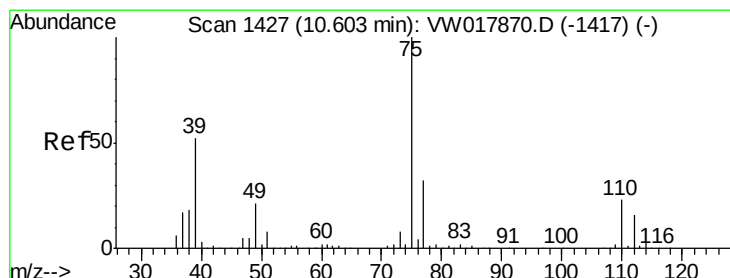
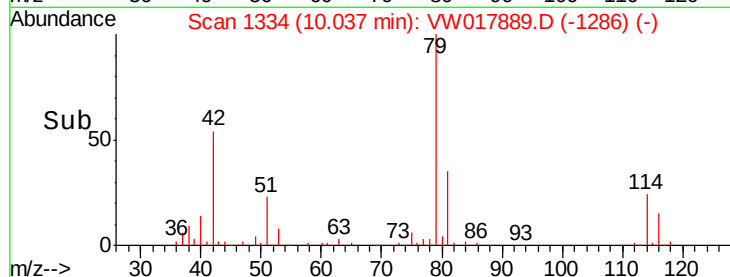
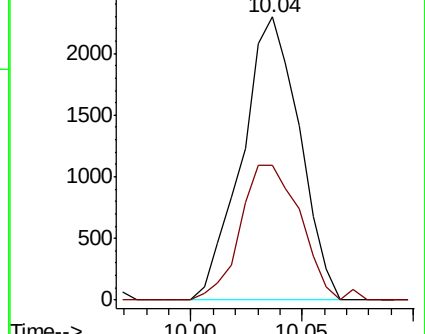
75 100

77 47.5 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: 0.533 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017889.D

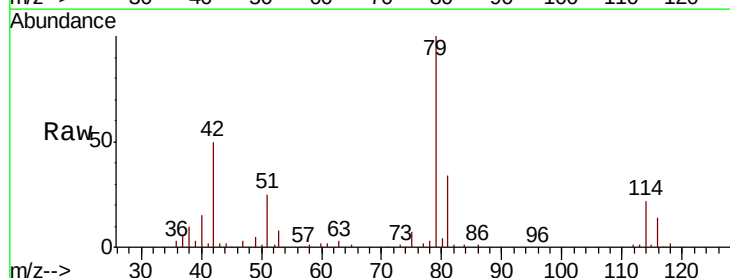
Acq: 14 Jan 2021 18:50

Tgt Ion: 75 Resp: 2632

Ion Ratio Lower Upper

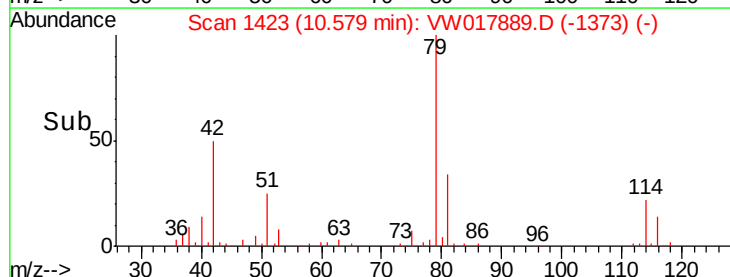
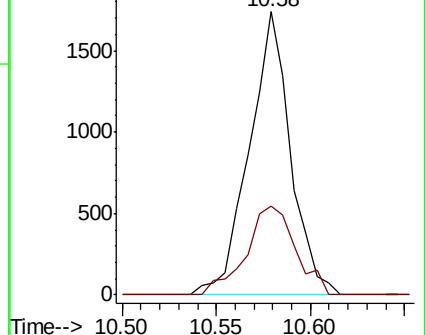
75 100

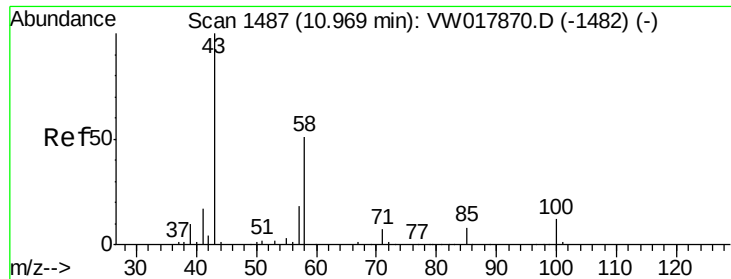
77 31.4 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 1.072 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017889.D

Acq: 14 Jan 2021 18:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1343

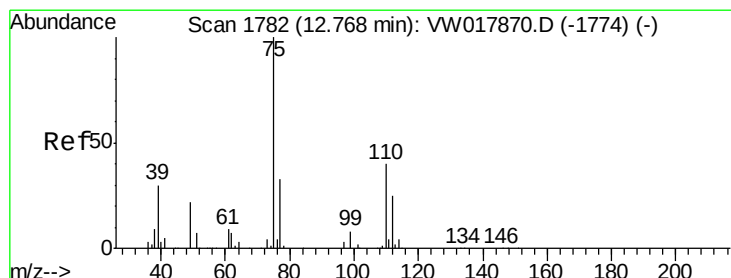
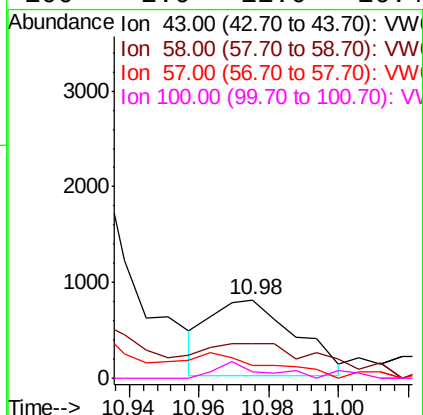
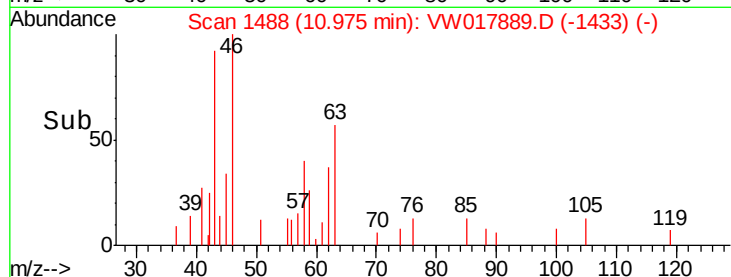
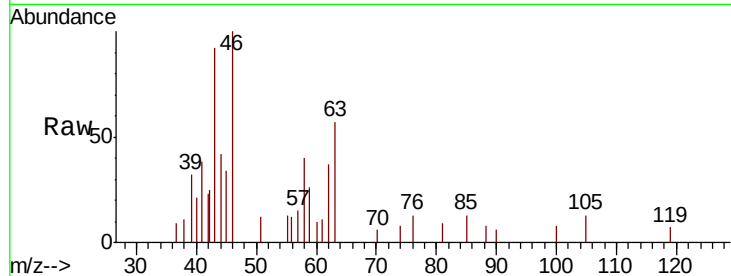
Ion Ratio Lower Upper

43 100

58 23.0 44.2 66.4#

57 0.0 16.1 24.1#

100 2.0 11.0 16.4#



#59

1,2,3-Trichloropropane

Concen: 8.393 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017889.D

Acq: 14 Jan 2021 18:50

Tgt Ion: 75 Resp: 18597

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.0

