

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017289.D
 Acq On : 17 Nov 2020 16:21
 Operator : SY/VA
 Sample : L4711-22
 Misc : 5.12G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0B08

Quant Time: Nov 18 02:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 02:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	397033	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301654	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	84344	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95176	19.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.12%
7) Chloroethane-d5	2.89	69	86251	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.02	63	138463	15.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.92%
20) 2-Butanone-d5	7.08	46	28168	25.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.38%
24) Chloroform-d	7.65	84	211143	22.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	8.31	65	102990	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	8.27	84	393956	25.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.60%
33) 1,2-Dichloropropane-d6	9.27	67	110444	25.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.96%
37) Toluene-d8	10.33	98	350579	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.80%
38) trans-1,3-Dichloropropene-	10.58	79	30856	16.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.44%
39) 2-Hexanone-d5	10.93	63	19766	26.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.32%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	68715	18.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	67519	22.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.88%

Target Compounds

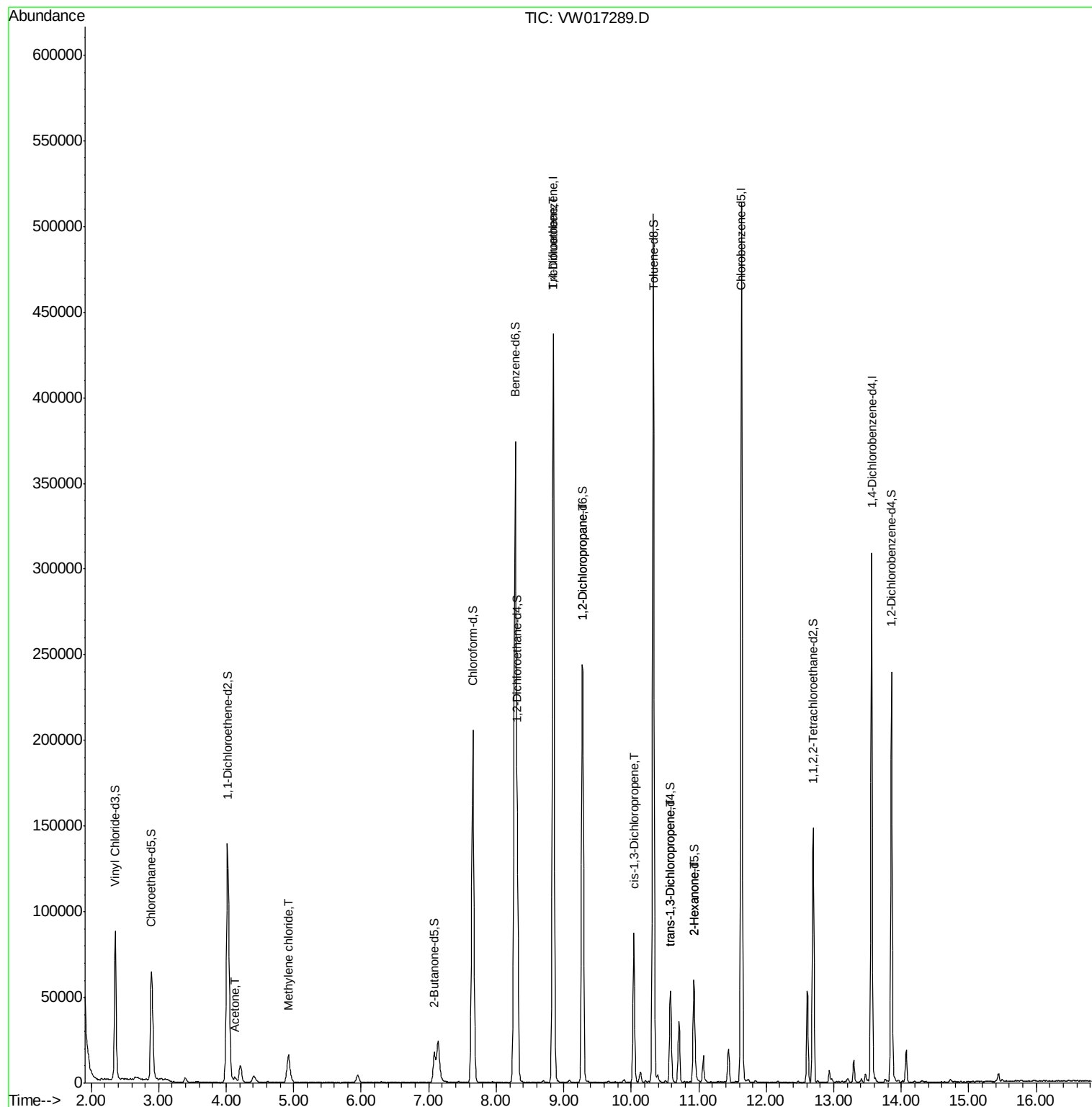
					Ovalue
13) Acetone	4.14	43	5409	7.224 ug/L	63
16) Methylene chloride	4.92	84	13900	2.597 ug/L	94
35) Trichloroethene	8.85	95	11144	2.512 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	13423	3.625 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	2501	0.426 ug/L #	82
45) trans-1,3-Dichloropropene	10.58	75	1665	0.331 ug/L	98
49) 2-Hexanone	10.93	43	2310	1.677 ug/L #	68

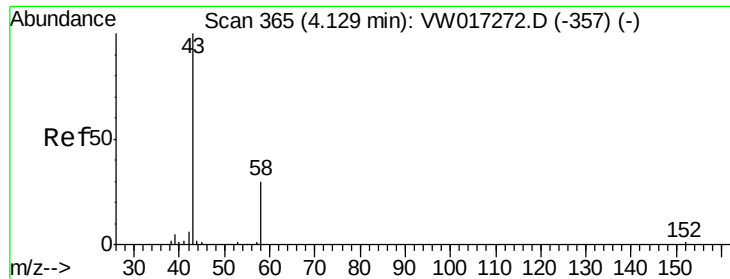
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 18 02:13:37 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.224 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017289.D

Acq: 17 Nov 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

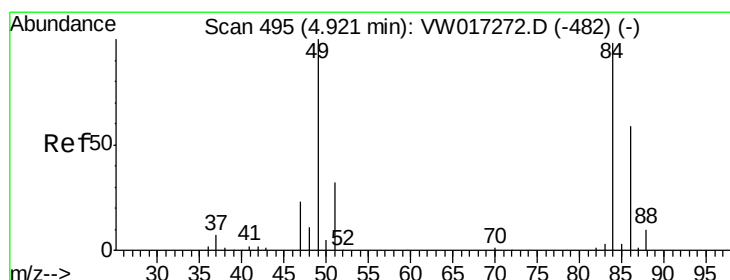
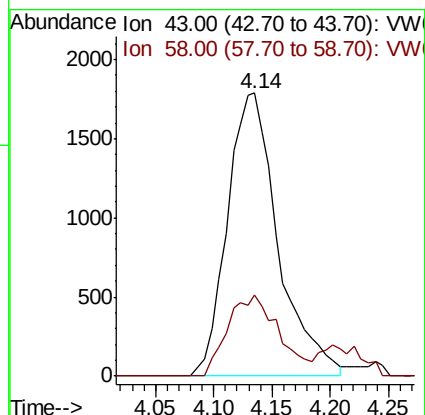
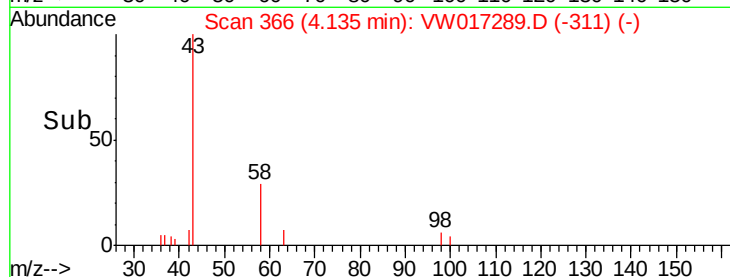
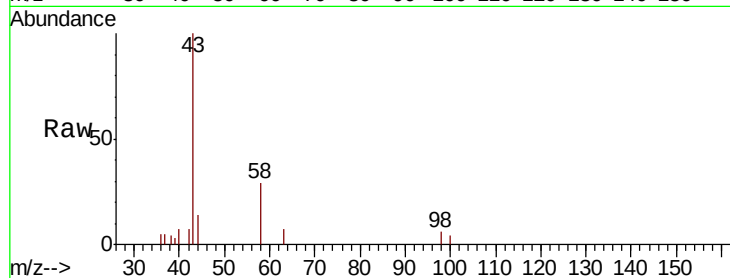
C0B08

Tot Ion: 43 Resp: 5409

Ion Ratio Lower Upper

43 100

58 13.0 0.0 69.2



#16

Methylene chloride

Concen: 2.597 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017289.D

Acq: 17 Nov 2020 16:21

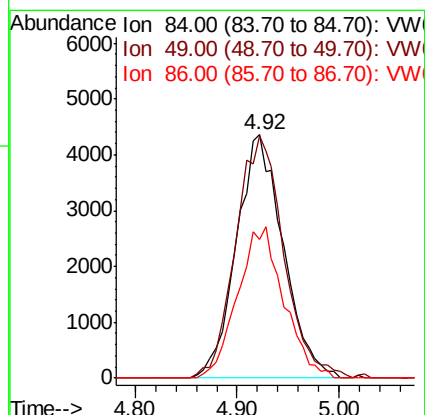
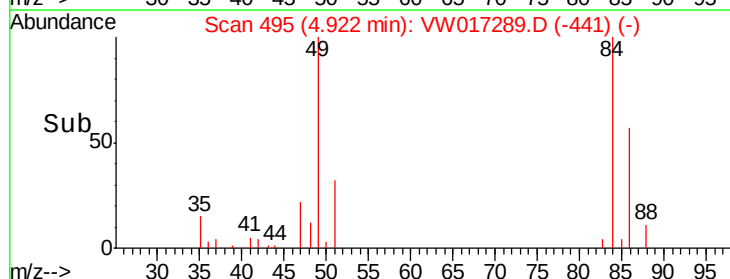
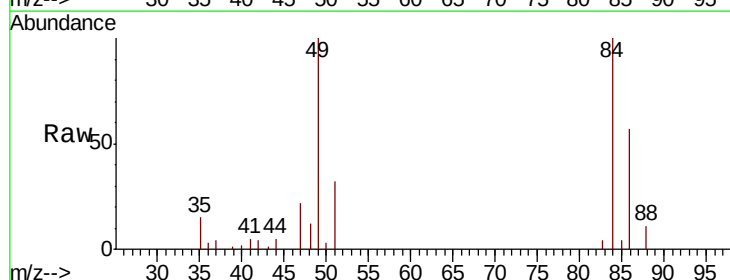
Tgt Ion: 84 Resp: 13900

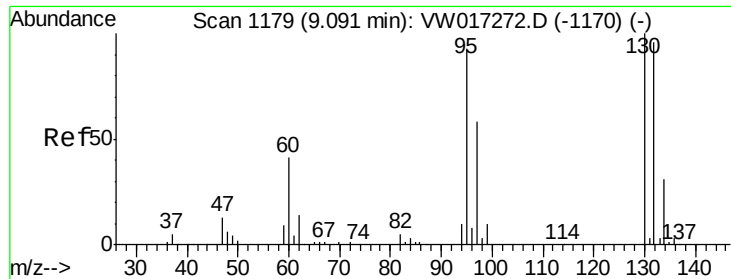
Ion Ratio Lower Upper

84 100

49 99.5 72.3 134.3

86 56.7 45.1 83.7





#35

Trichloroethene

Concen: 2.512 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017289.D

Acq: 17 Nov 2020 16:21

Instrument :

MSVOA_W

ClientSampled :

C0B08

Tot Ion: 95 Resp: 11144

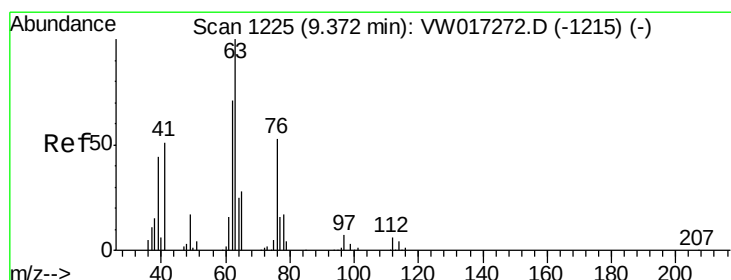
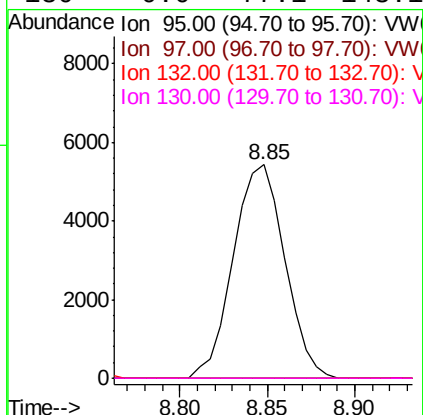
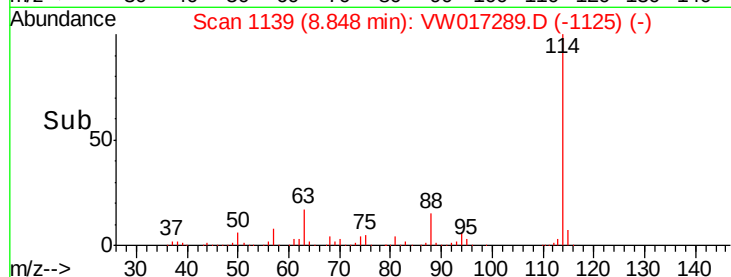
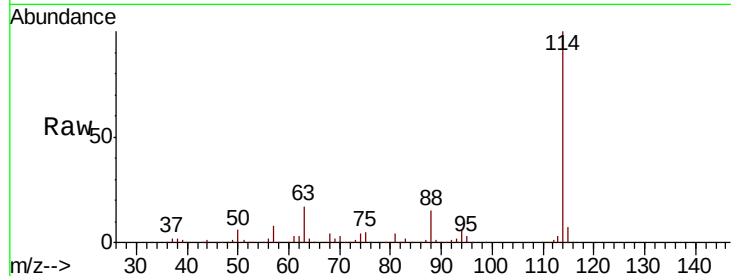
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 73.7 136.9#

130 0.0 77.1 143.1#



#40

1,2-Dichloropropane

Concen: 3.625 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017289.D

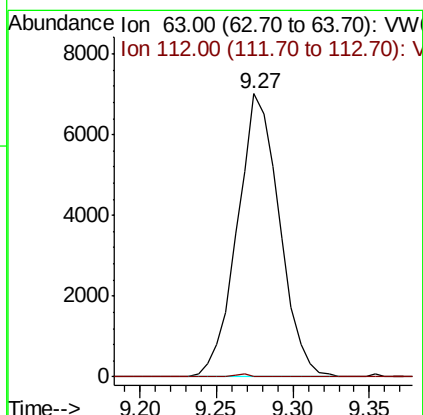
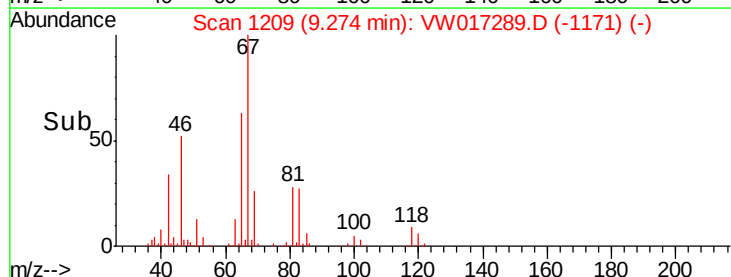
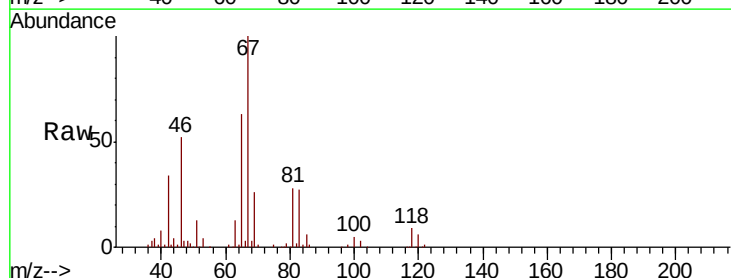
Acq: 17 Nov 2020 16:21

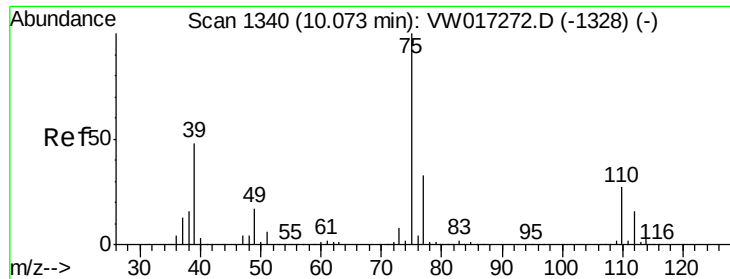
Tgt Ion: 63 Resp: 13423

Ion Ratio Lower Upper

63 100

112 0.3 4.2 6.2#





#42

cis-1,3-Dichloropropene

Concen: 0.426 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017289.D

Acq: 17 Nov 2020 16:21

Instrument :

MSVOA_W

ClientSampled :

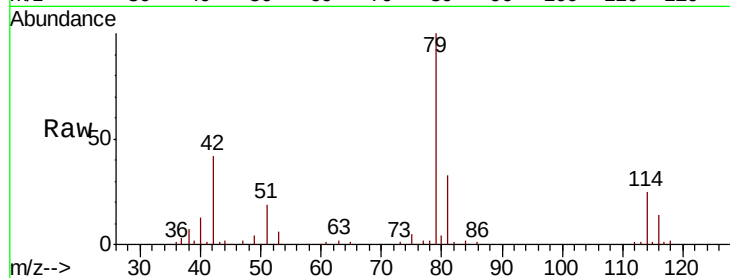
C0B08

Tot Ion: 75 Resp: 2501

Ion Ratio Lower Upper

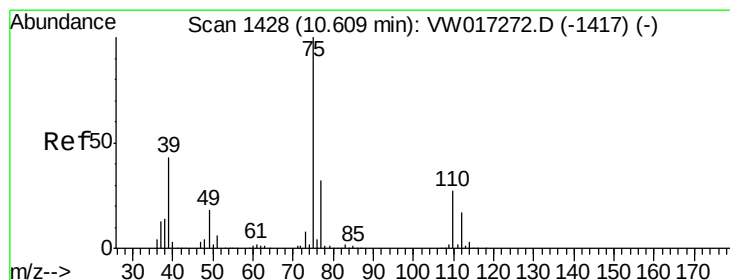
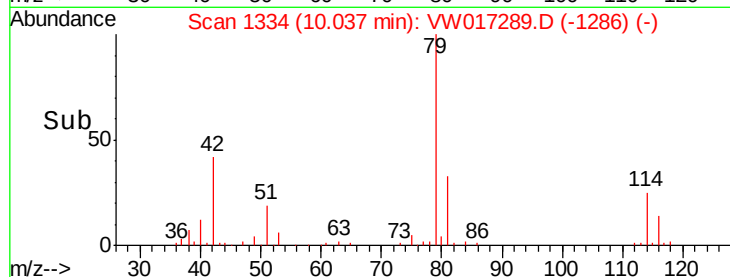
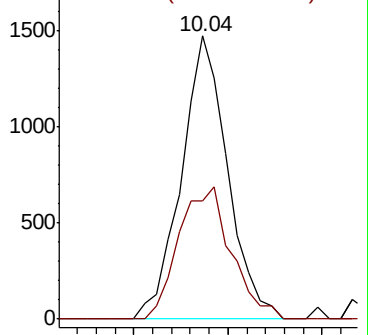
75 100

77 41.6 22.0 41.0#



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: 0.331 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017289.D

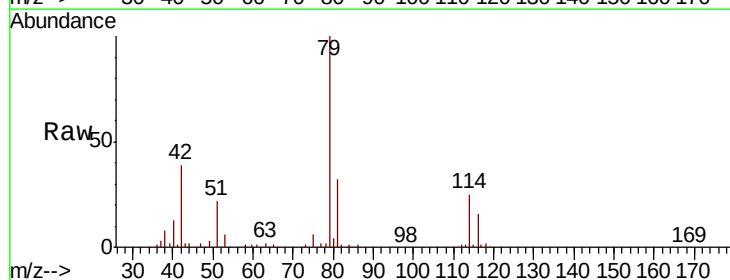
Acq: 17 Nov 2020 16:21

Tgt Ion: 75 Resp: 1665

Ion Ratio Lower Upper

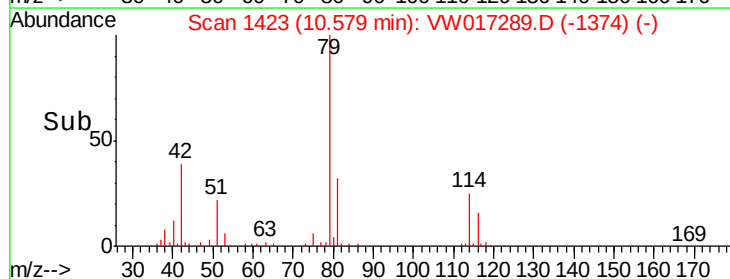
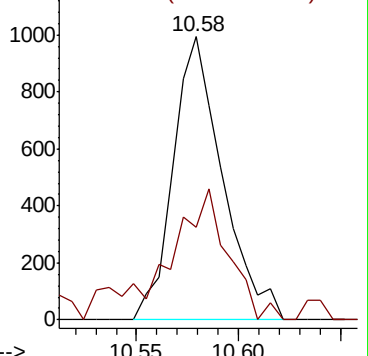
75 100

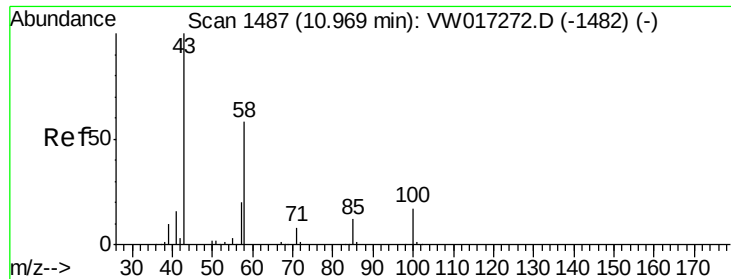
77 32.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 1.677 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW017289.D

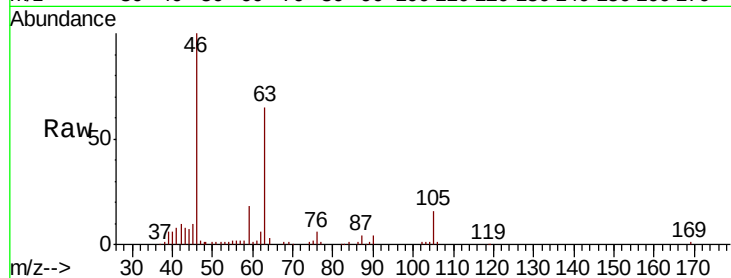
Acq: 17 Nov 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

C0B08



Tot Ion: 43 Resp: 2310

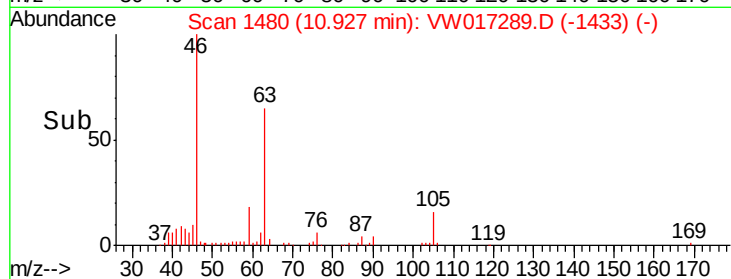
Ion Ratio Lower Upper

43 100

58 40.4 50.6 75.8#

57 41.6 17.8 26.6#

100 2.7 13.9 20.9#



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

