

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100220\
 Data File : VW016772.D
 Acq On : 02 Oct 2020 18:54
 Operator : SY/VA
 Sample : L4235-08
 Misc : 4.31G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 03 04:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 04:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	585675	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	415481	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	100116	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	104015	18.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.40%
7) Chloroethane-d5	2.91	69	104614	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
10) 1,1-Dichloroethene-d2	4.03	63	176365	13.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.68%
20) 2-Butanone-d5	7.09	46	48850	31.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.22%
24) Chloroform-d	7.66	84	298576	24.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.48%
26) 1,2-Dichloroethane-d4	8.31	65	143894	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.28	84	566686	30.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.64%
33) 1,2-Dichloropropane-d6	9.28	67	160595	31.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.20%#
37) Toluene-d8	10.33	98	467921	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.12%
38) trans-1,3-Dichloropropene-	10.58	79	52291	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.16%
39) 2-Hexanone-d5	10.93	63	40317	43.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93478	21.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	77209	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%

Target Compounds

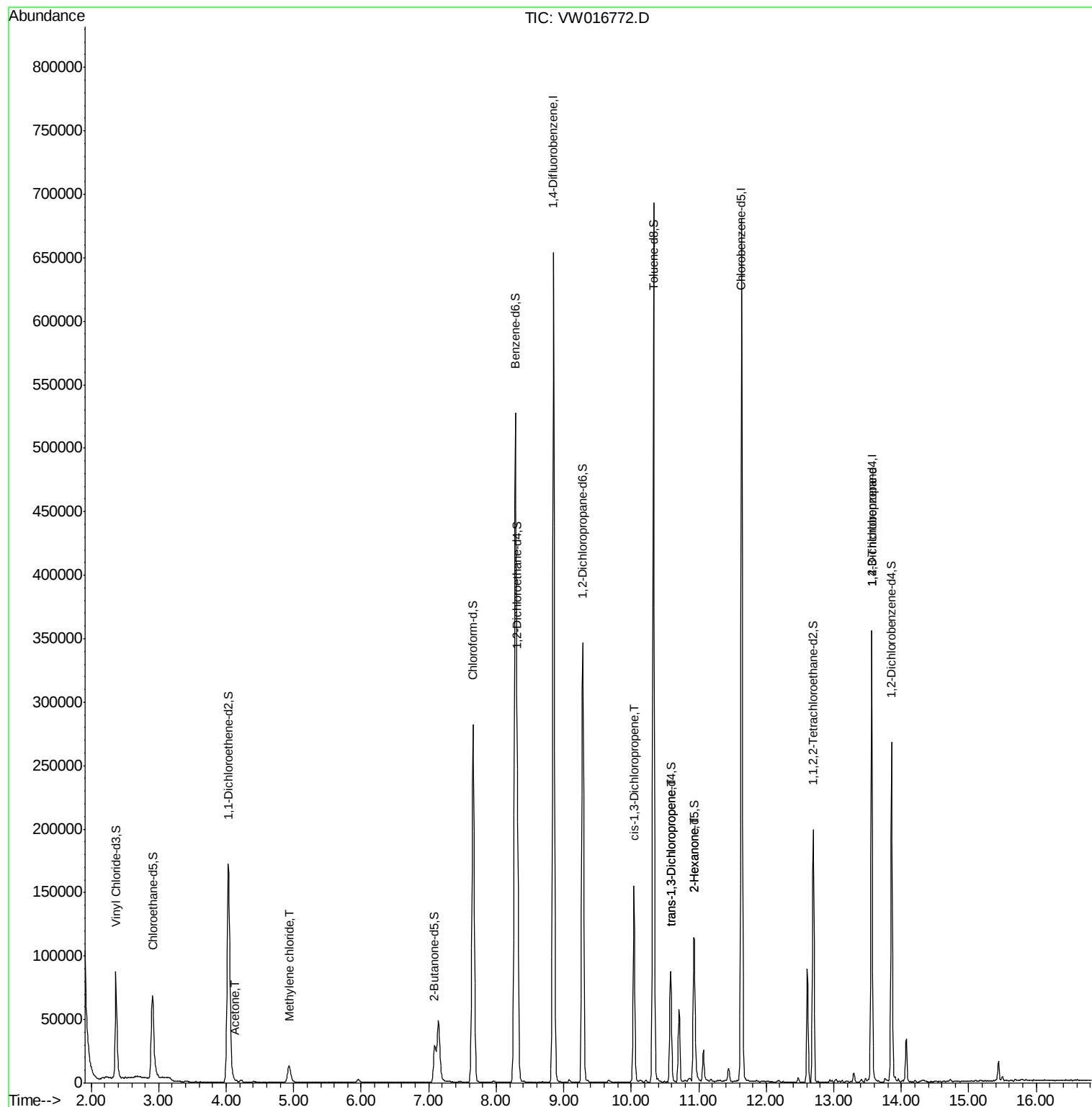
					Ovalue
13) Acetone	4.14	43	2221	1.834 ug/L	56
16) Methylene chloride	4.93	84	11910	1.318 ug/L	91
42) cis-1,3-Dichloropropene	10.04	75	3986	0.451 ug/L #	78
45) trans-1,3-Dichloropropene	10.58	75	2484	0.323 ug/L	94
49) 2-Hexanone	10.93	43	5221	2.500 ug/L #	67
59) 1,2,3-Trichloropropane	13.56	75	9857	2.712 ug/L	89

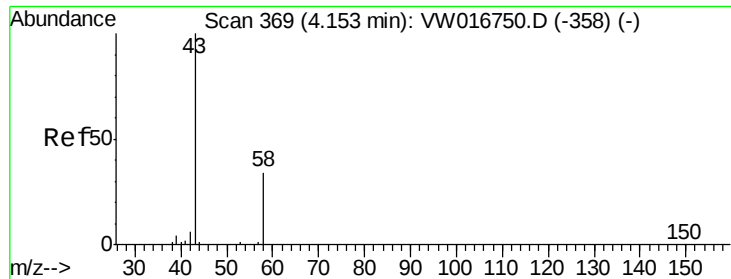
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Oct 03 04:48:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.834 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016772.D

Acq: 02 Oct 2020 18:54

Instrument :

MSVOA_W

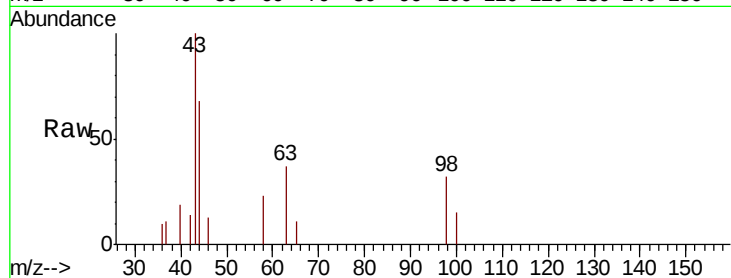
ClientSampleId :

Tot Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

58 6.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

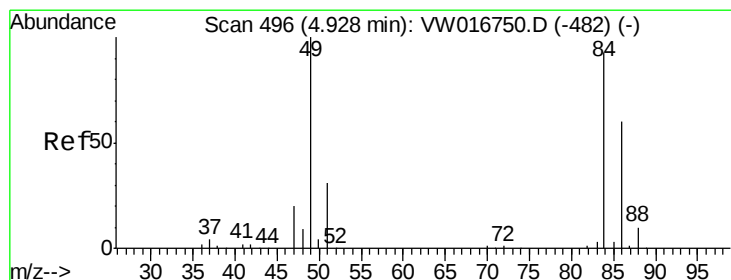
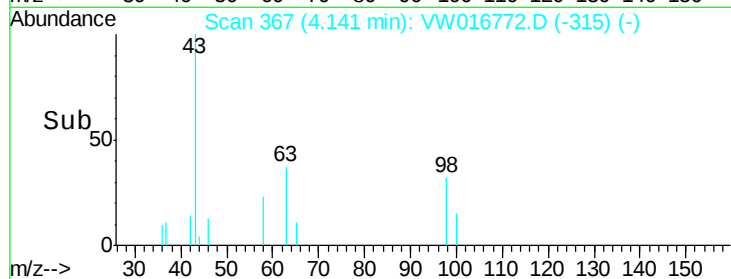
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 1.318 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016772.D

Acq: 02 Oct 2020 18:54

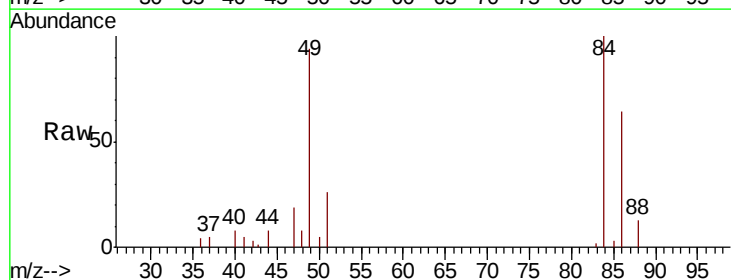
Tgt Ion: 84 Resp: 11910

Ion Ratio Lower Upper

84 100

49 94.4 76.0 141.2

86 63.9 45.6 84.6



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

4.93

5000

4000

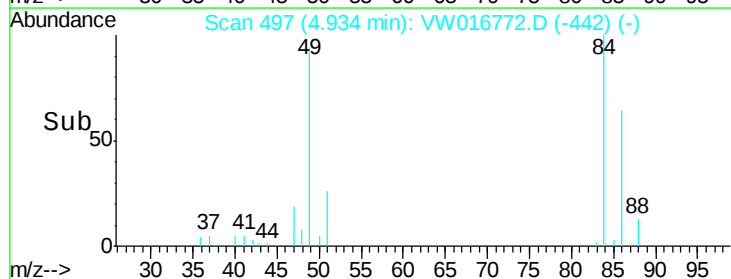
3000

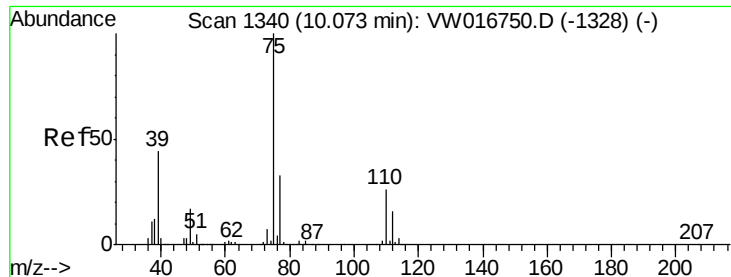
2000

1000

0

Time-->





#42

cis-1,3-Dichloropropene

Concen: 0.451 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016772.D

Acq: 02 Oct 2020 18:54

Instrument :

MSVOA_W

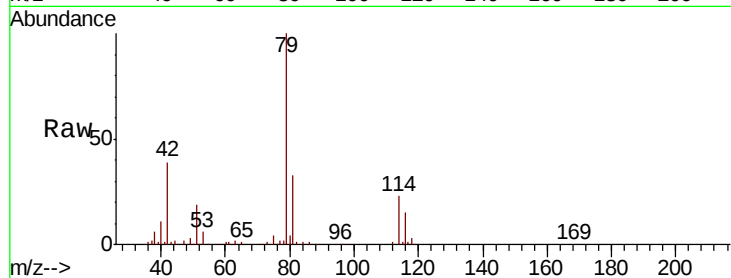
ClientSampled :

Tot Ion: 75 Resp: 3986

Ion Ratio Lower Upper

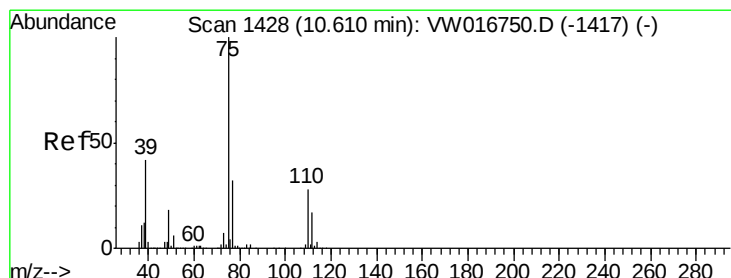
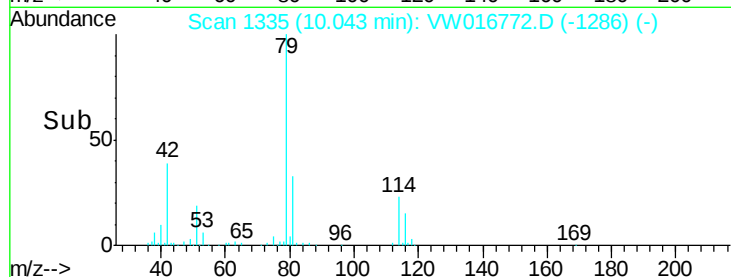
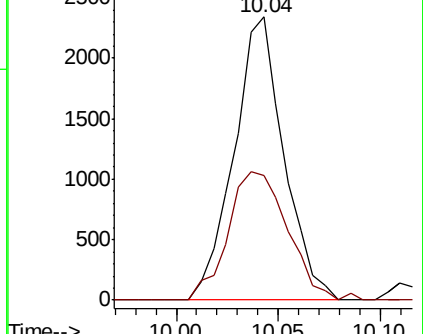
75 100

77 43.8 22.2 41.2#



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: 0.323 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016772.D

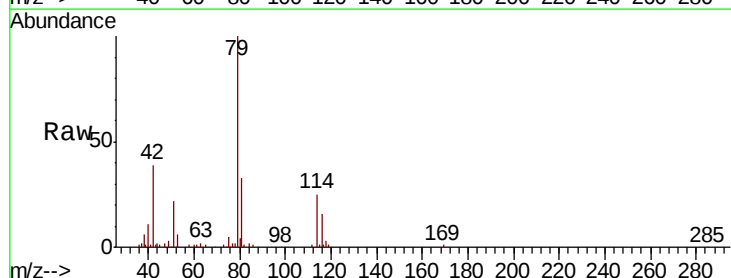
Acq: 02 Oct 2020 18:54

Tgt Ion: 75 Resp: 2484

Ion Ratio Lower Upper

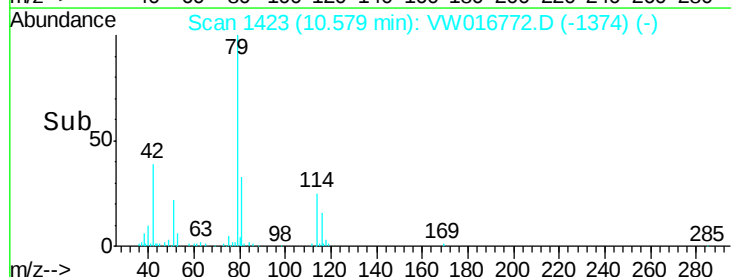
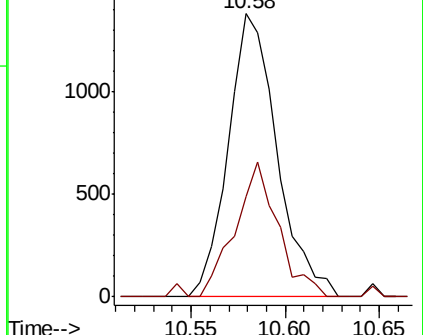
75 100

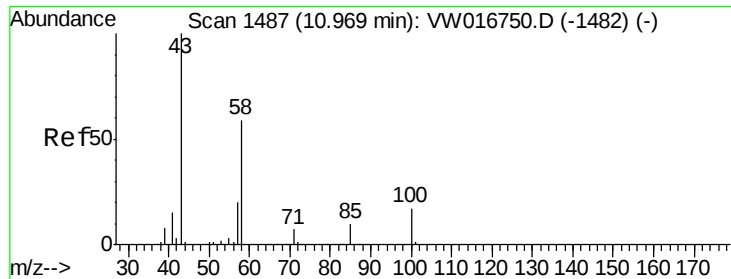
77 35.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 2.500 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW016772.D

Acq: 02 Oct 2020 18:54

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 5221

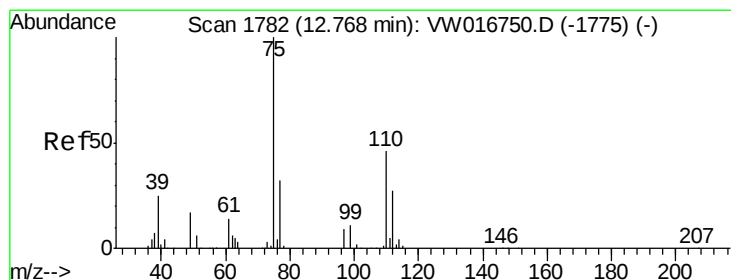
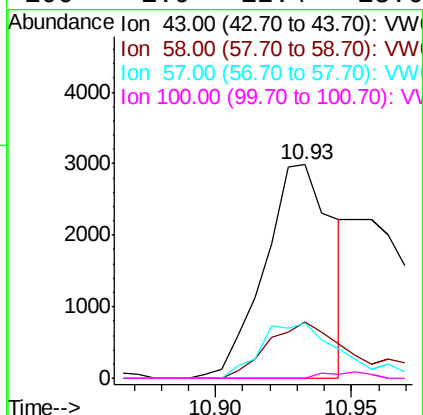
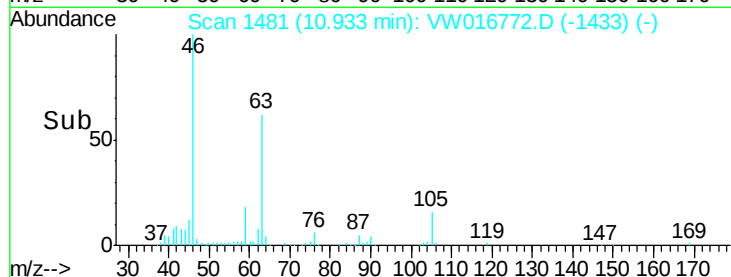
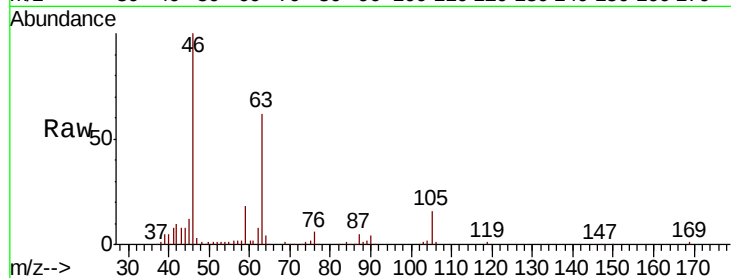
Ion Ratio Lower Upper

43 100

58 28.2 44.2 66.2#

57 30.5 16.3 24.5#

100 1.9 12.4 18.6#



#59

1,2,3-Trichloropropane

Concen: 2.712 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016772.D

Acq: 02 Oct 2020 18:54

Tgt Ion: 75 Resp: 9857

Ion Ratio Lower Upper

75 100

77 39.0 26.2 39.4

