

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016916.D
 Acq On : 15 Oct 2020 16:56
 Operator : SY/VA
 Sample : L4421-20
 Misc : 6.52G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG1A8

Quant Time: Oct 16 08:15:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	559281	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	480697	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198110	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	106087	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.92%
7) Chloroethane-d5	2.90	69	90868	19.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.52%
10) 1,1-Dichloroethene-d2	4.03	63	159499	13.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.44%
20) 2-Butanone-d5	7.09	46	44161	35.34	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.68%
24) Chloroform-d	7.65	84	236551	20.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.16%
26) 1,2-Dichloroethane-d4	8.31	65	116095	20.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.48%
29) Benzene-d6	8.28	84	476500	21.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.32%
33) 1,2-Dichloropropane-d6	9.27	67	132459	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.32%
37) Toluene-d8	10.32	98	432982	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.08%
38) trans-1,3-Dichloropropene-	10.58	79	47679	18.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.72%
39) 2-Hexanone-d5	10.93	63	36363	40.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94690	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	135618	21.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.32%

Target Compounds

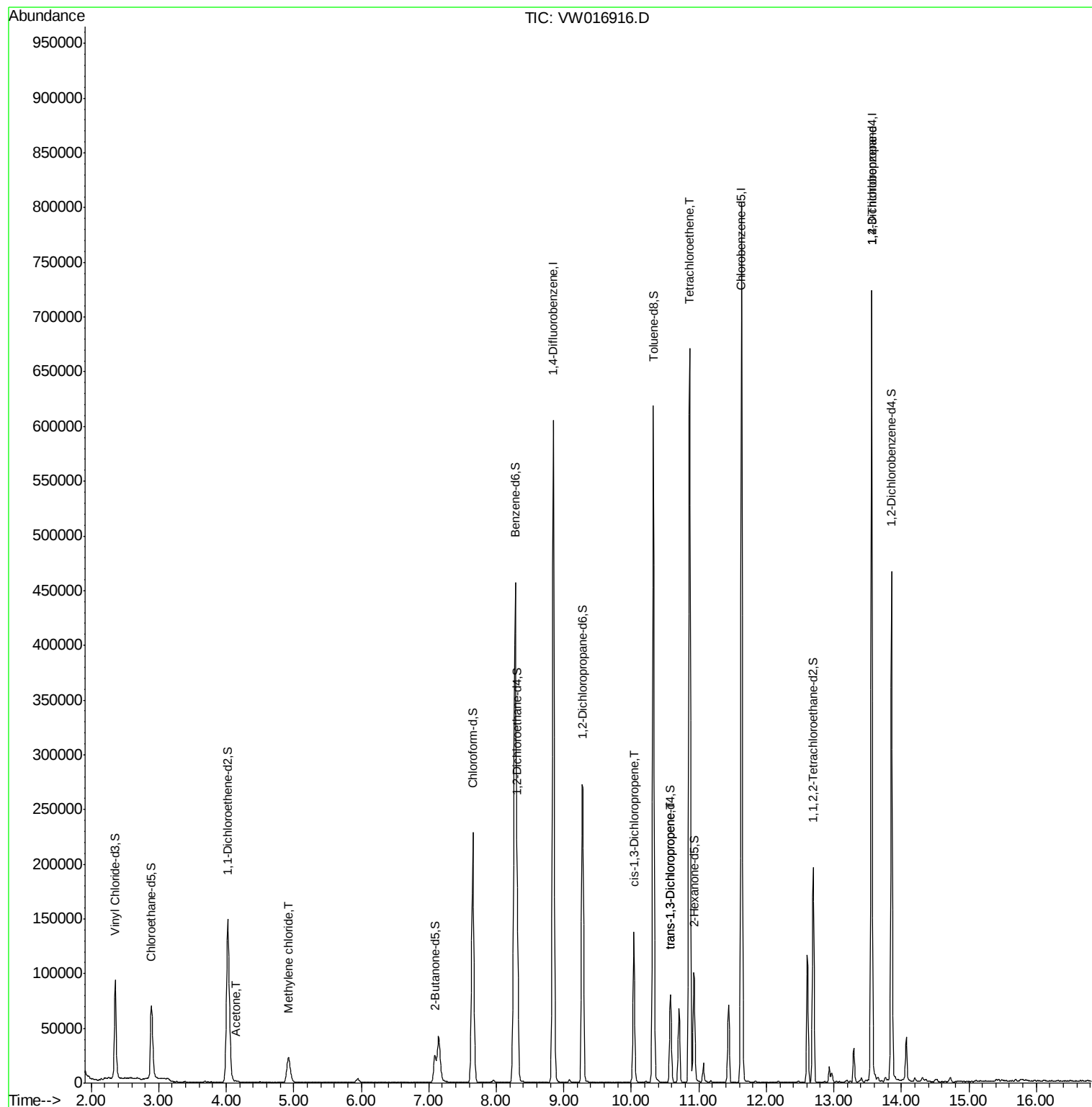
					Ovalue
13) Acetone	4.14	43	1150	1.216 ug/L	83
16) Methylene chloride	4.93	84	22925	2.970 ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	3590	0.386 ug/L	90
45) trans-1,3-Dichloropropene	10.58	75	2121	0.271 ug/L #	68
47) Tetrachloroethene	10.87	164	161325	23.831 ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	20396	5.369 ug/L	90

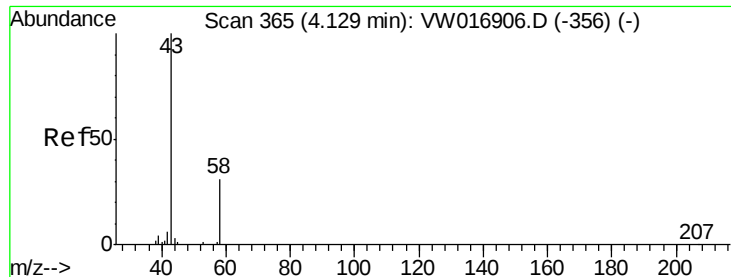
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.216 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

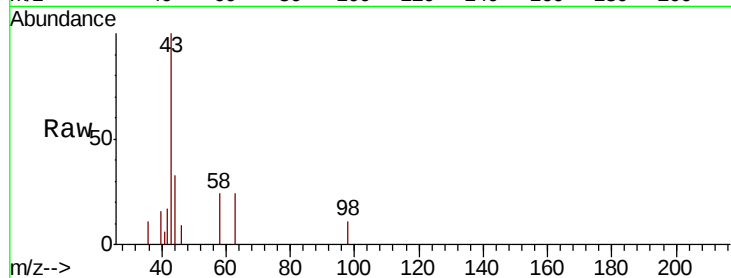
BG1A8

Tot Ion: 43 Resp: 1150

Ion Ratio Lower Upper

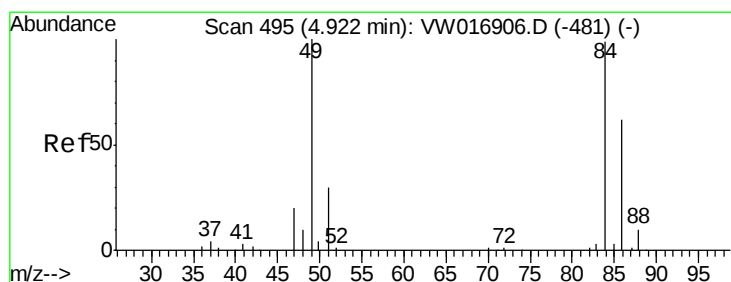
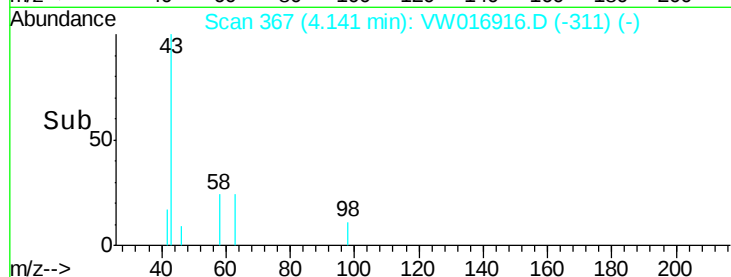
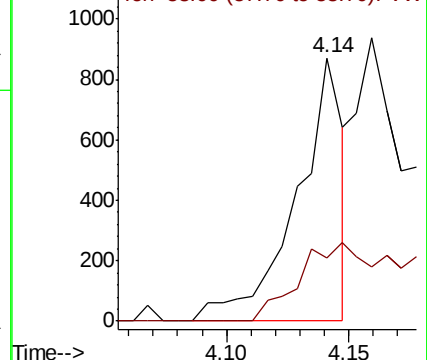
43 100

58 43.4 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.970 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016916.D

Acq: 15 Oct 2020 16:56

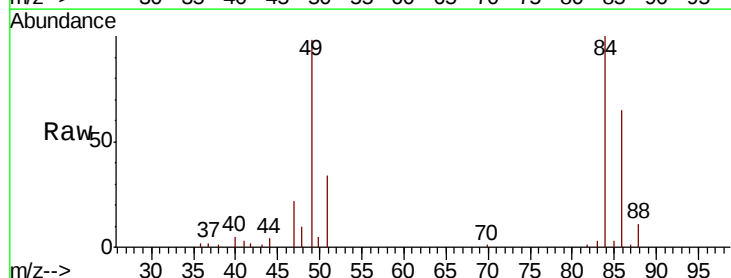
Tgt Ion: 84 Resp: 22925

Ion Ratio Lower Upper

84 100

49 98.1 73.1 135.8

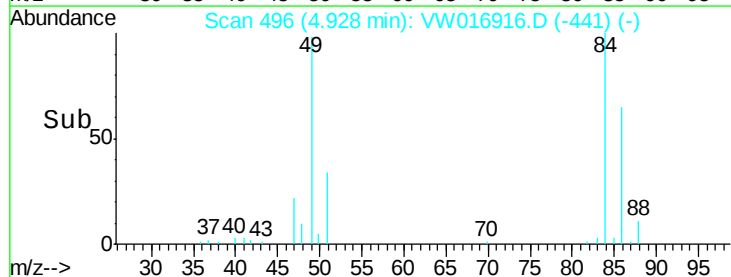
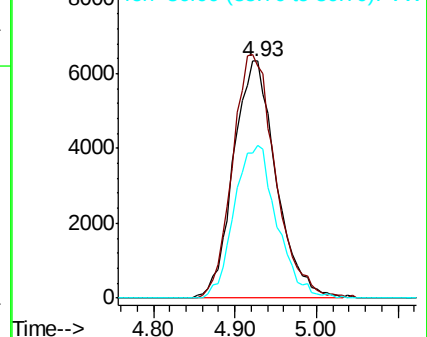
86 64.6 46.0 85.4

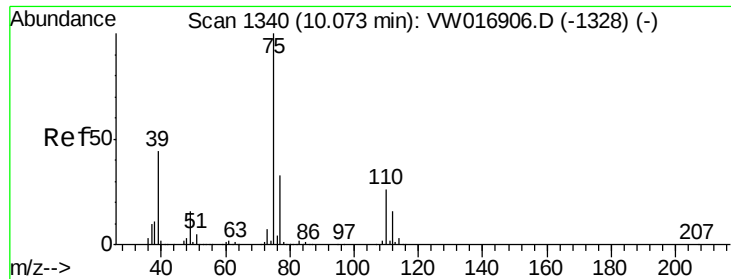


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.386 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

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Instrument :

MSVOA_W

ClientSampleId :

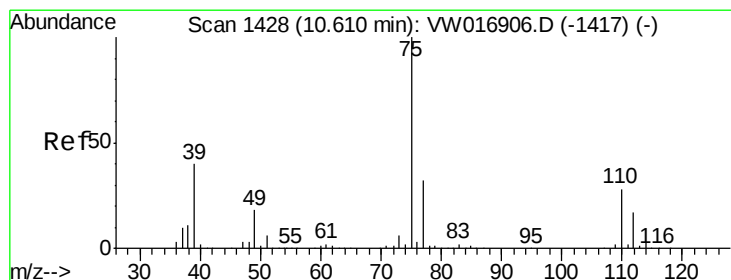
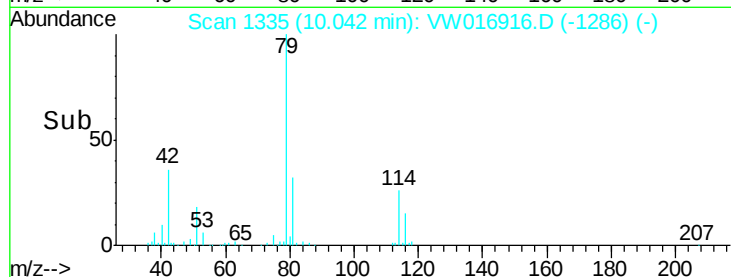
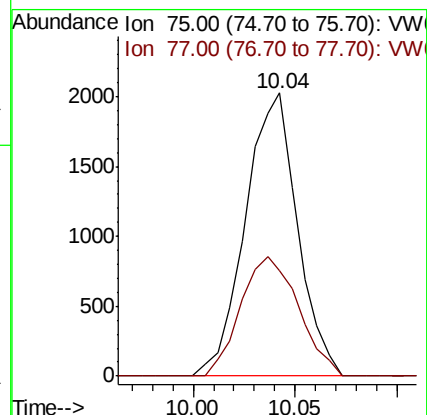
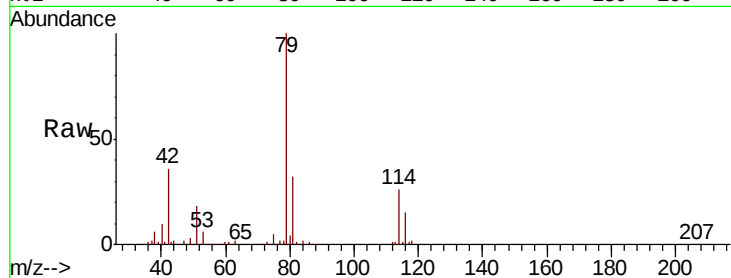
BG1A8

Tot Ion: 75 Resp: 3590

Ion Ratio Lower Upper

75 100

77 37.2 22.1 41.1



#45

trans-1,3-Dichloropropene

Concen: 0.271 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016916.D

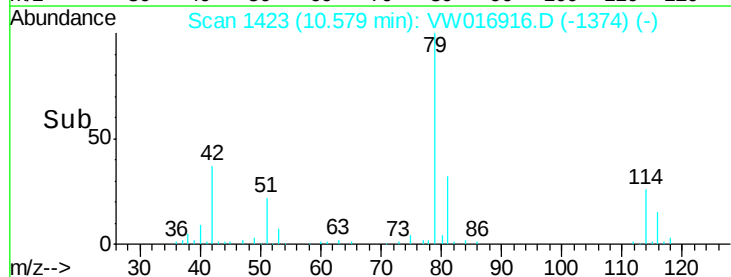
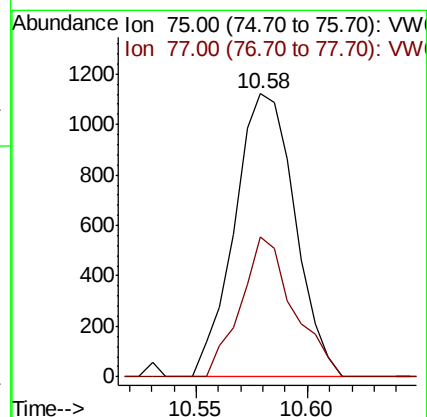
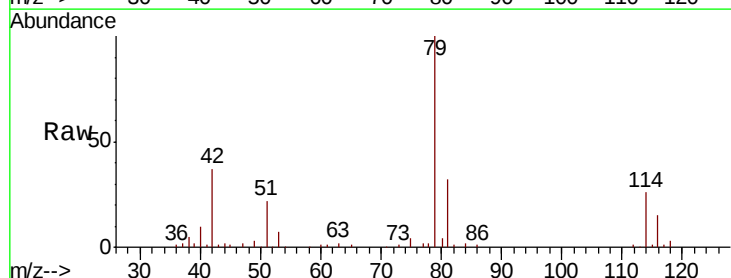
Acq: 15 Oct 2020 16:56

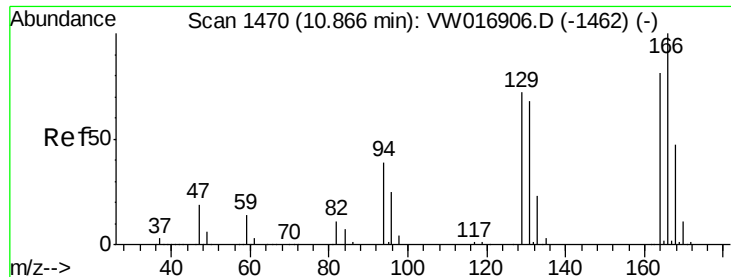
Tgt Ion: 75 Resp: 2121

Ion Ratio Lower Upper

75 100

77 49.5 22.2 41.2#





#47

Tetrachloroethene

Concen: 23.831 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016916.D

Acq: 15 Oct 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

BG1A8

Tot Ion:164 Resp: 161325

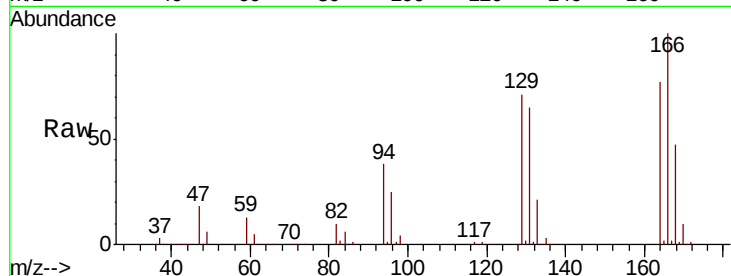
Ion Ratio Lower Upper

164 100

129 92.4 61.7 114.7

131 84.1 59.7 110.9

166 130.2 88.3 164.1

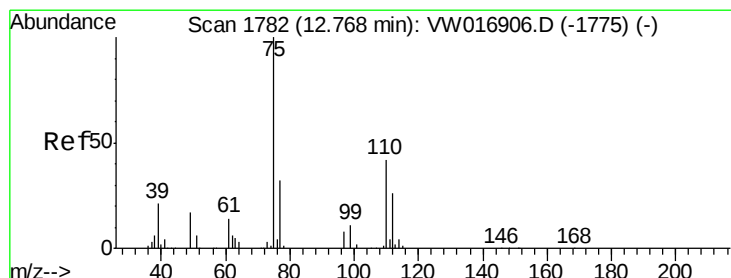
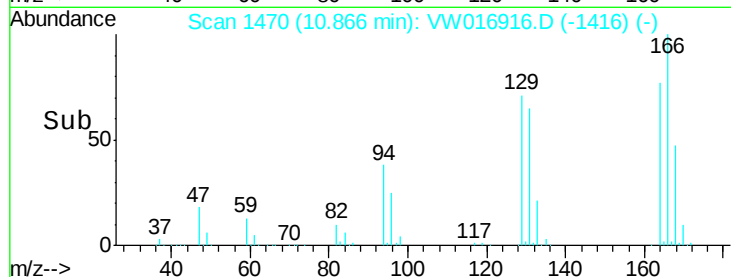
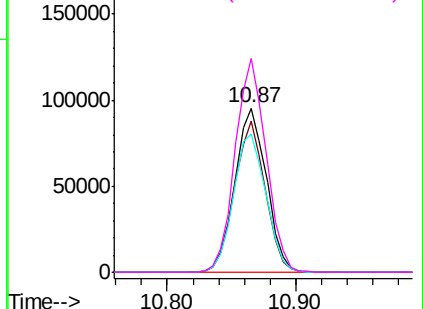


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.369 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016916.D

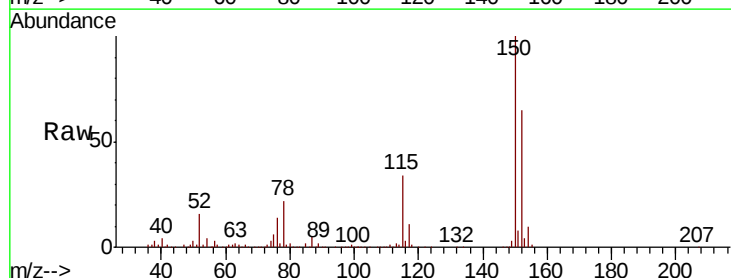
Acq: 15 Oct 2020 16:56

Tgt Ion: 75 Resp: 20396

Ion Ratio Lower Upper

75 100

77 38.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

