

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016072.D
 Acq On : 07 Aug 2020 12:59
 Operator : SY/VA
 Sample : L3579-09
 Misc : 6.29G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 08 03:21:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 03:18:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	356435	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155621	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	65645	13.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.20%
7) Chloroethane-d5	2.90	69	57865	14.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.68%
10) 1,1-Dichloroethene-d2	4.01	63	111606	10.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	43.92%#
20) 2-Butanone-d5	7.09	46	37782	28.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.20%
24) Chloroform-d	7.65	84	174542	17.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	69.76%
26) 1,2-Dichloroethane-d4	8.31	65	87653	15.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	63.80%#
29) Benzene-d6	8.27	84	338735	17.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.80%
33) 1,2-Dichloropropane-d6	9.27	67	101828	17.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	68.96%#
37) Toluene-d8	10.32	98	309830	17.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.44%
38) trans-1,3-Dichloropropene-	10.58	79	39866	15.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.36%
39) 2-Hexanone-d5	10.93	63	32060	32.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79922	17.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	114587	18.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.52%

Target Compounds

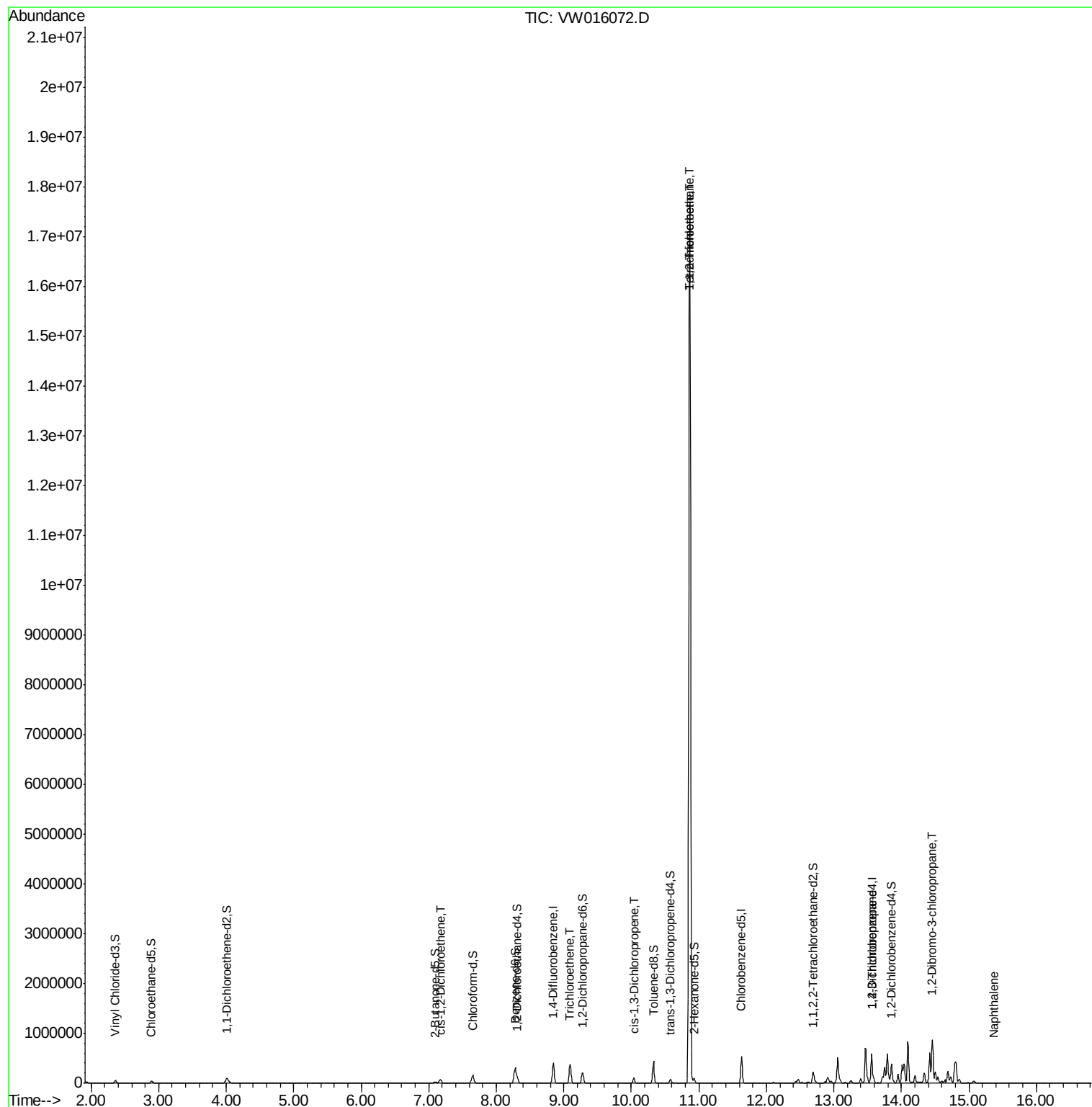
					Ovalue
22) cis-1,2-Dichloroethene	7.17	96	41031	8.105 ug/L	94
35) Trichloroethene	9.09	95	133606	25.696 ug/L	93
42) cis-1,3-Dichloropropene	10.04	75	2771	0.374 ug/L #	58
46) 1,1,2-Trichloroethane	10.87	97	35129	10.033 ug/L #	1
47) Tetrachloroethene	10.87	164	4349617	1077.755 ug/L	96
59) 1,2,3-Trichloropropane	13.56	75	17208	5.586 ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.46	75	5904	8.670 ug/L #	2
69) Naphthalene	15.36	128	5079	0.485 ug/L	99

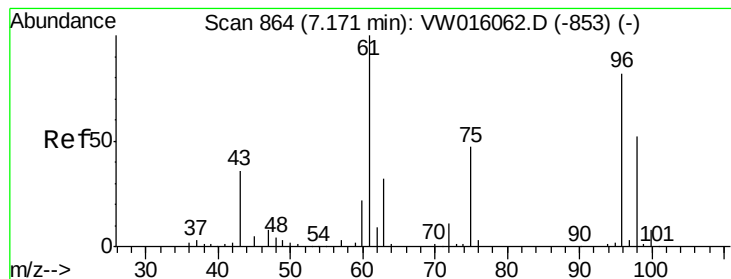
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 08 03:18:33 2020
Response via : Initial Calibration





#22

cis-1,2-Dichloroethene

Concen: 8.105 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Instrument :

MSVOA_W

ClientSampled :

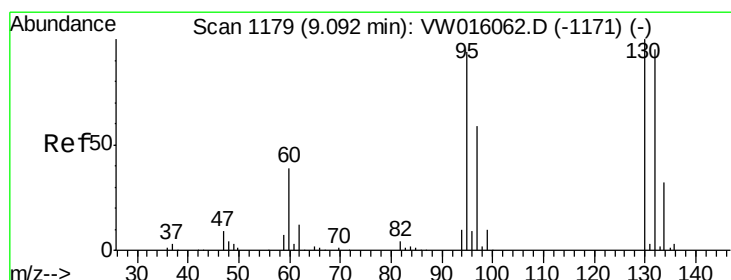
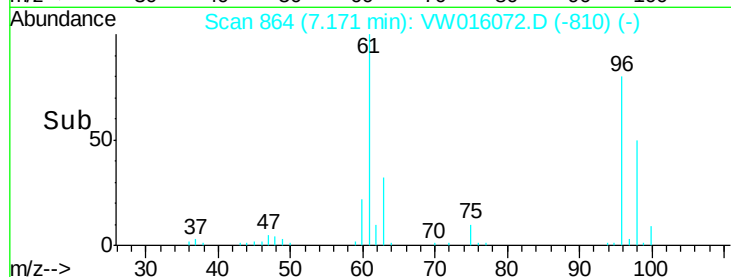
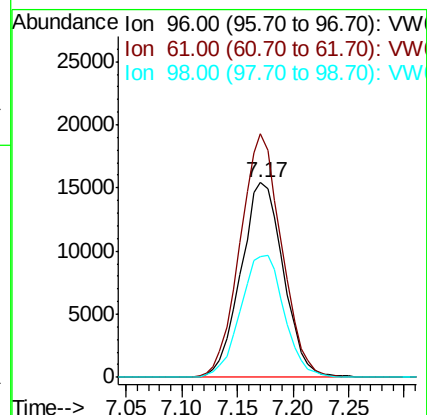
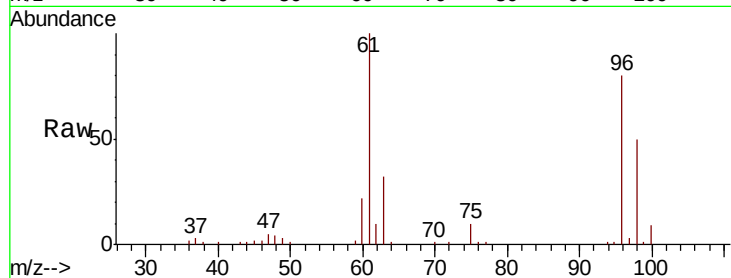
Tot Ion: 96 Resp: 41031

Ion Ratio Lower Upper

96 100

61 125.3 94.6 175.8

98 62.4 44.3 82.3



#35

Trichloroethene

Concen: 25.696 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Tgt Ion: 95 Resp: 133606

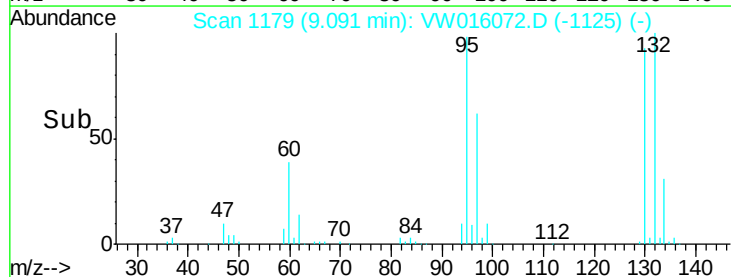
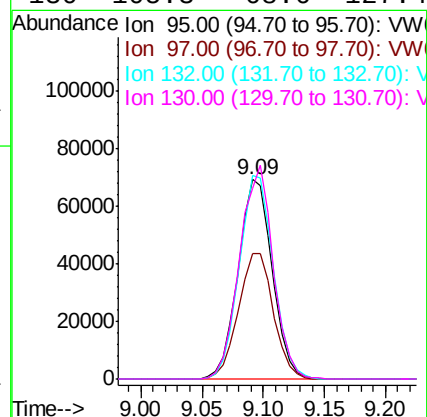
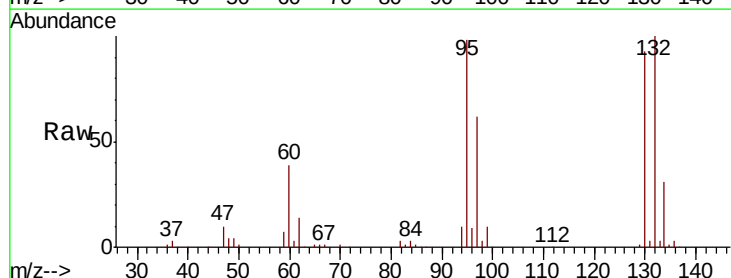
Ion Ratio Lower Upper

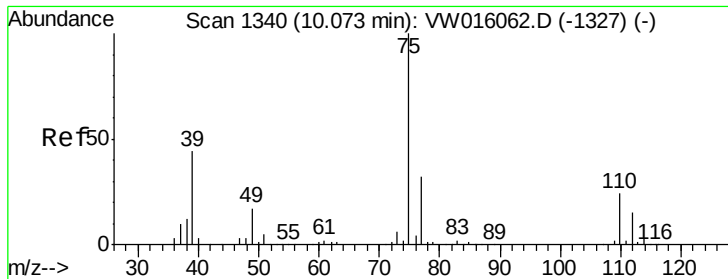
95 100

97 64.6 44.4 82.4

132 102.5 65.1 120.9

130 105.3 68.6 127.4





#42

cis-1,3-Dichloropropene

Concen: 0.374 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Instrument :

MSVOA_W

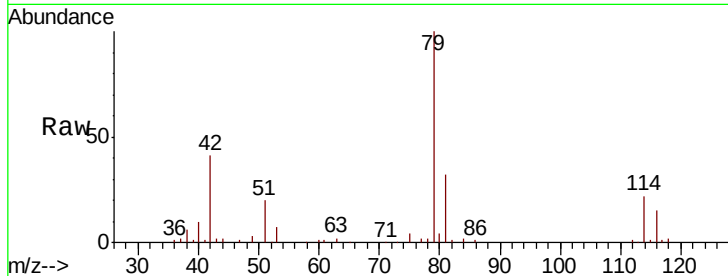
ClientSampleId :

Tot Ion: 75 Resp: 2771

Ion Ratio Lower Upper

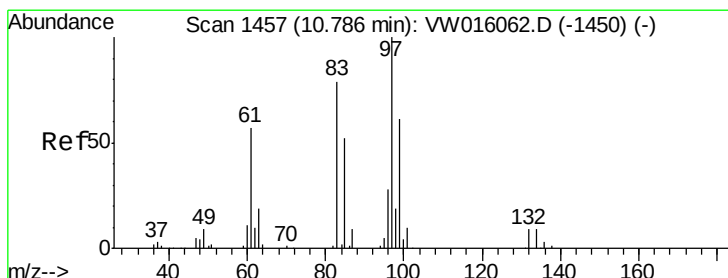
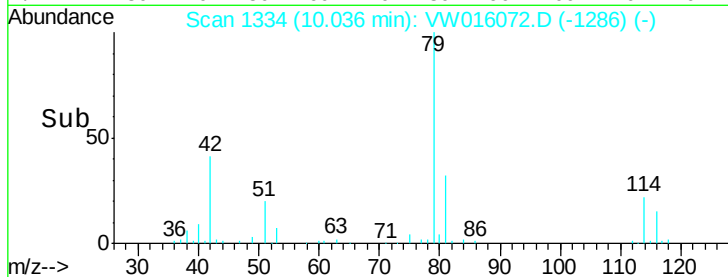
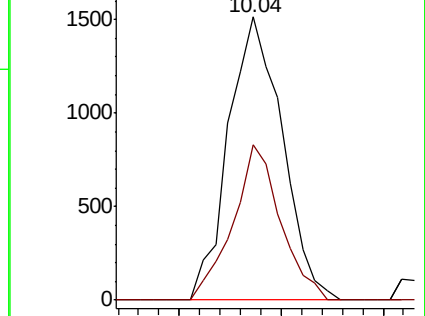
75 100

77 55.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 10.033 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.08 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Tgt Ion: 97 Resp: 35129

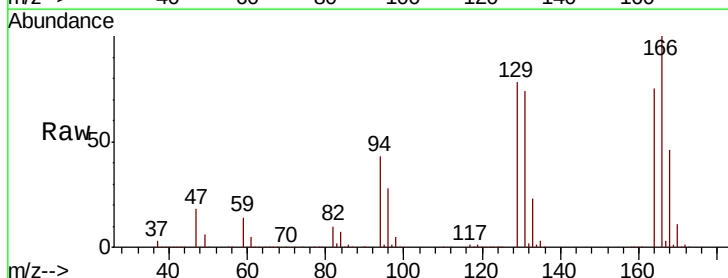
Ion Ratio Lower Upper

97 100

83 275.8 60.6 112.6#

85 36.5 38.9 72.2#

99 17.1 43.1 80.1#

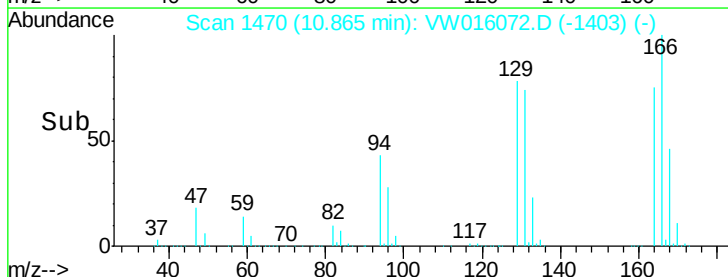
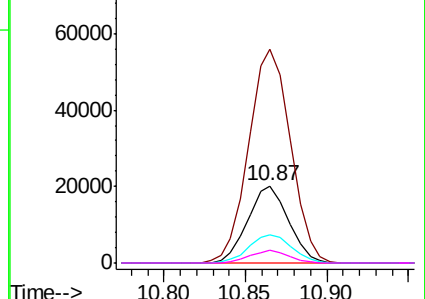


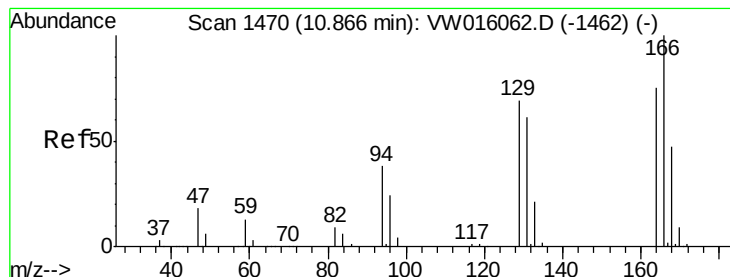
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 1077.755 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

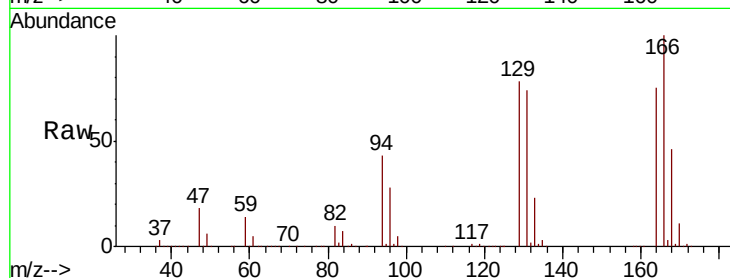
Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Instrument :

MSVOA_W

ClientSampled :



Tot Ion:164 Resp: 4349617

Ion	Ratio	Lower	Upper
164	100		
129	103.1	70.0	130.0
131	98.5	67.3	124.9
166	132.6	88.5	164.3

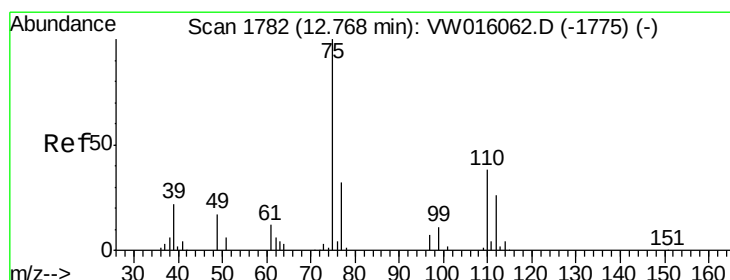
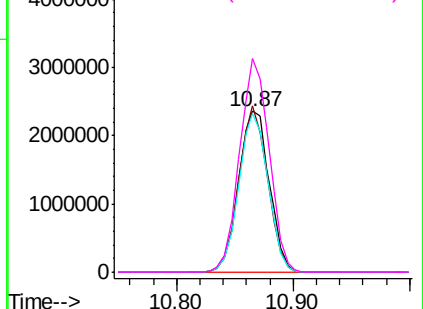
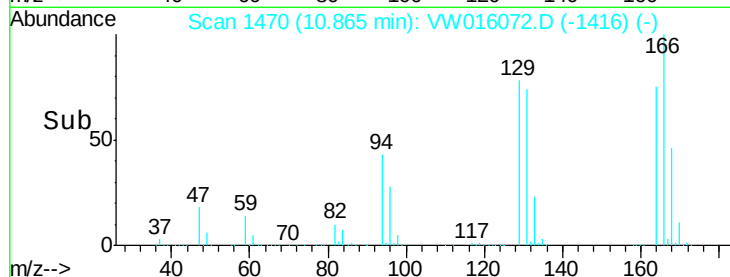
Abundance

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: 5.586 ug/L

RT: 13.56 min Scan# 1912

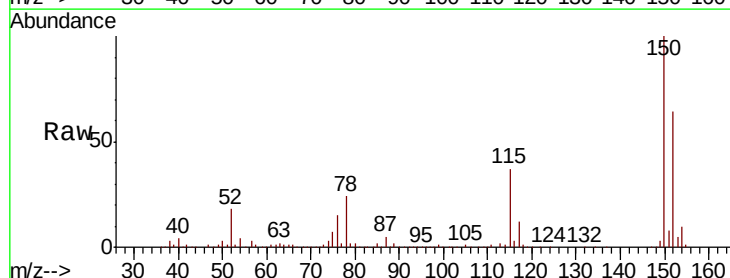
Delta R.T. 0.79 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Tgt Ion: 75 Resp: 17208

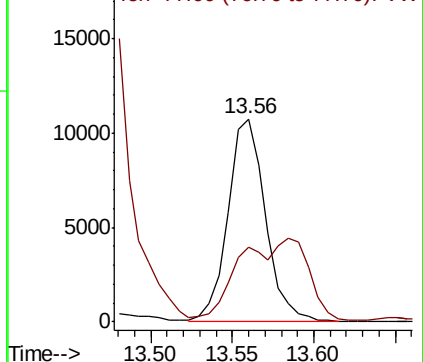
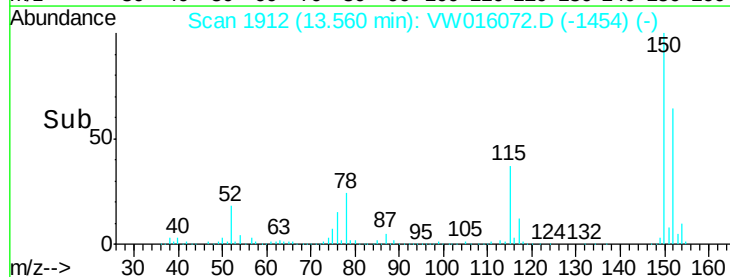
Ion	Ratio	Lower	Upper
75	100		
77	34.7	26.0	39.0

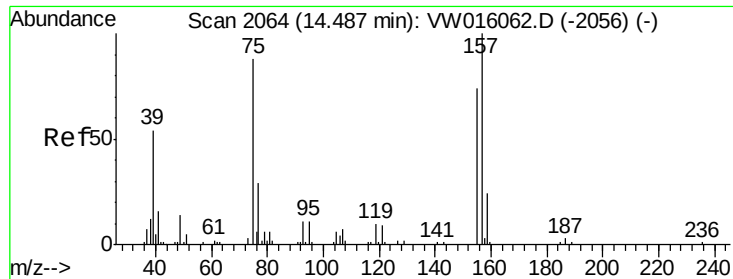


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#66

1,2-Dibromo-3-chloropropane

Concen: 8.670 ug/L

RT: 14.46 min Scan# 2059

Delta R.T. -0.03 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Instrument :

MSVOA_W

ClientSampleId :

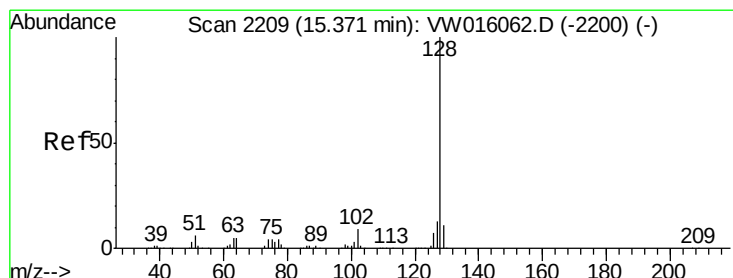
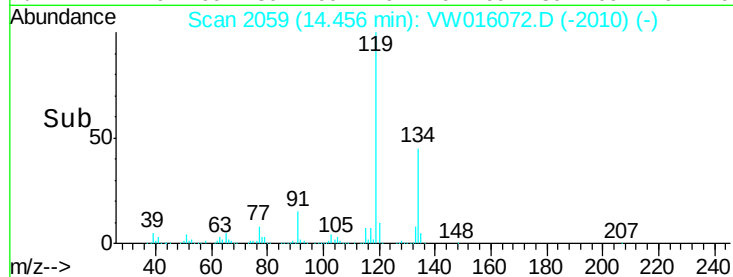
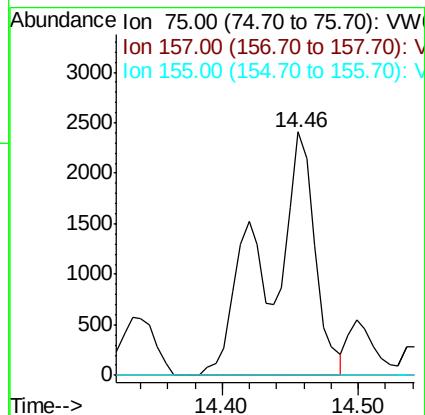
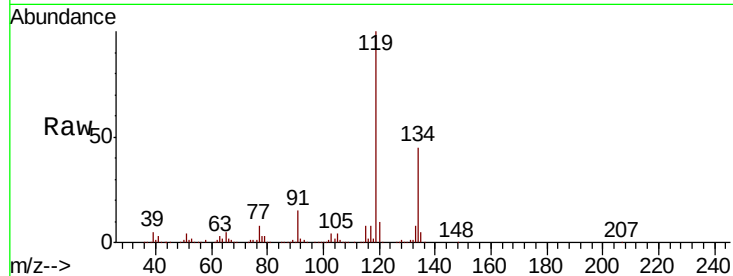
Tot Ion: 75 Resp: 5904

Ion Ratio Lower Upper

75 100

157 0.0 83.0 124.4#

155 0.0 66.9 100.3#



#69

Naphthalene

Concen: 0.485 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016072.D

Acq: 07 Aug 2020 12:59

Tgt Ion: 128 Resp: 5079

Ion Ratio Lower Upper

128 100

129 10.0 8.6 12.8

127 13.3 10.5 15.7

