

Data File : VW014860.D
Acq On : 04 Feb 2020 14:54
Operator : SY/VA
Sample : L1323-13
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT51

Quant Time: Feb 05 03:44:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 03:41:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	52095	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	46877	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	12595	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	16925	20.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.96%
7) Chloroethane-d5	2.90	69	20964	26.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.48%
10) 1,1-Dichloroethene-d2	4.03	63	30395	17.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.16%
20) 2-Butanone-d5	7.09	46	11340	36.98	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.96%
24) Chloroform-d	7.65	84	41425	24.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.92%
26) 1,2-Dichloroethane-d4	8.30	65	24734	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.12%
29) Benzene-d6	8.27	84	82794	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
33) 1,2-Dichloropropane-d6	9.27	67	28067	25.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.64%
37) Toluene-d8	10.32	98	60963	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.56%
38) trans-1,3-Dichloropropene-	10.58	79	7730	18.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.12%
39) 2-Hexanone-d5	10.93	63	5317	25.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	21691	25.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	19433	36.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	147.32%#

Target Compounds

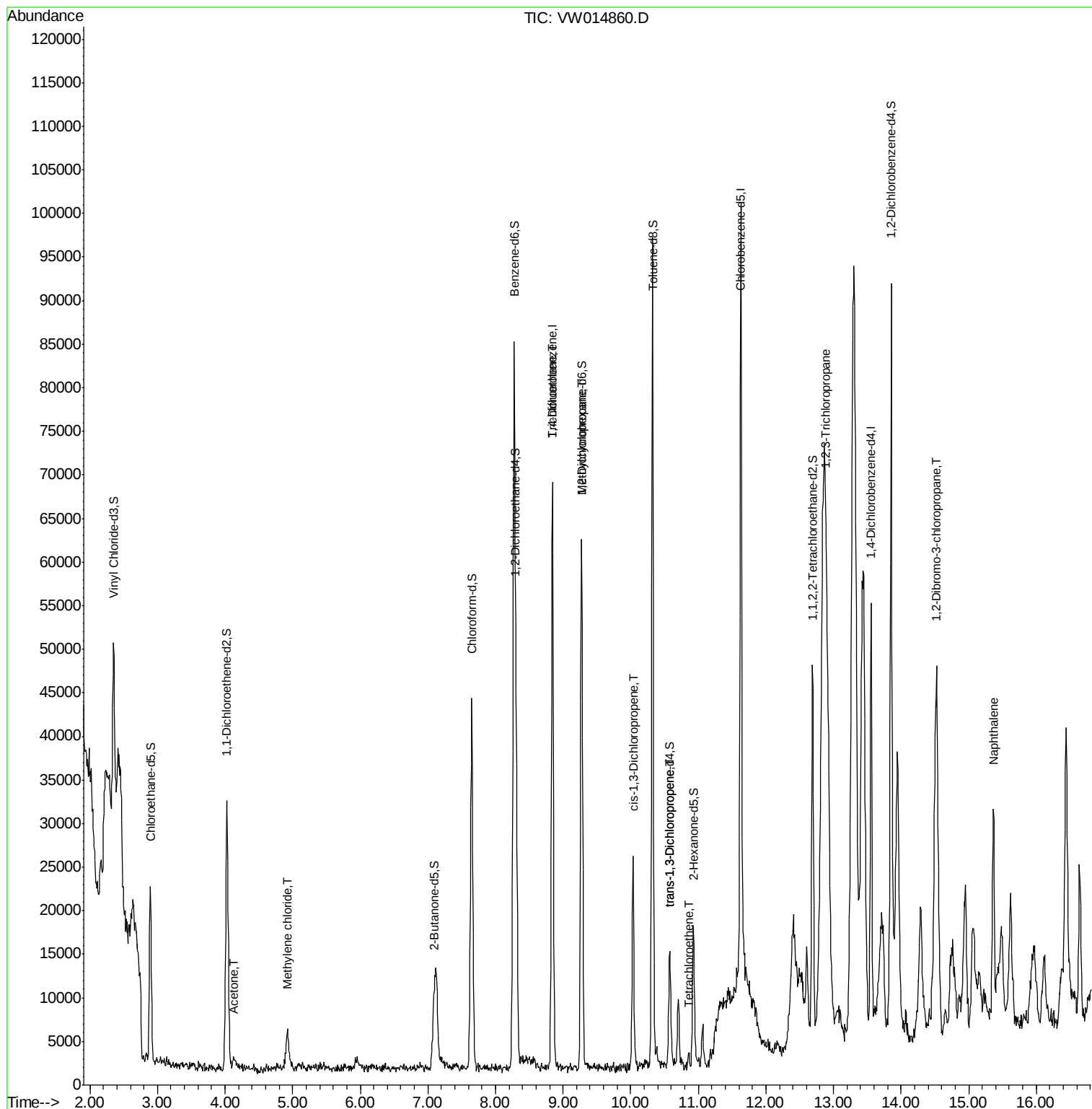
					Qvalue
13) Acetone	4.14	43	1305	3.935 ug/L	62
16) Methylene chloride	4.91	84	1948	2.025 ug/L	78
35) Trichloroethene	8.85	95	1626	2.006 ug/L #	7
36) Methylcyclohexane	9.27	83	6642	4.678 ug/L #	14
42) cis-1,3-Dichloropropene	10.03	75	655	0.532 ug/L #	65
45) trans-1,3-Dichloropropene	10.57	75	595	0.587 ug/L #	40
47) Tetrachloroethene	10.86	164	291	0.481 ug/L #	54
59) 1,2,3-Trichloropropane	12.89	75	1092	1.855 ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.52	75	4376	58.295 ug/L #	19
69) Naphthalene	15.36	128	20674	21.790 ug/L	98

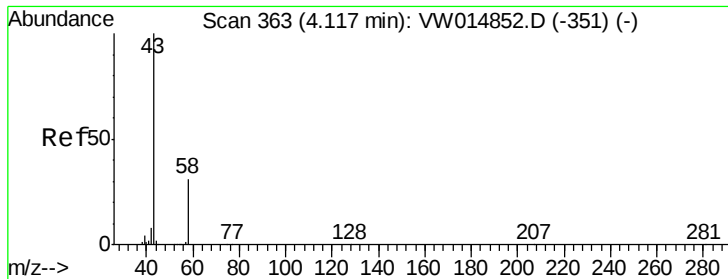
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 05 03:41:59 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.935 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW014860.D

Acq: 04 Feb 2020 14:54

Instrument :

MSVOA_W

ClientSampled :

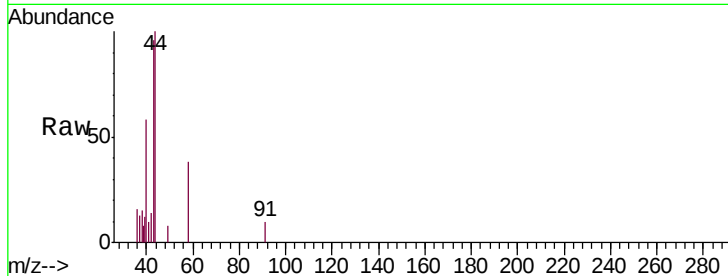
GAT51

Tgt Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 51.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

600

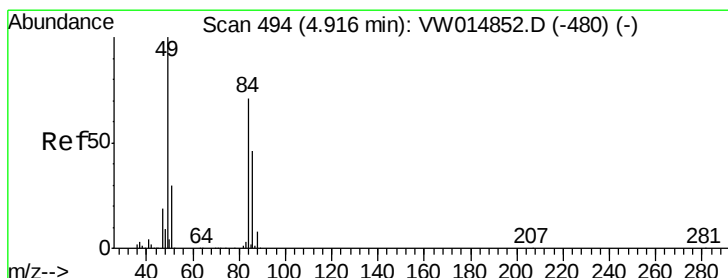
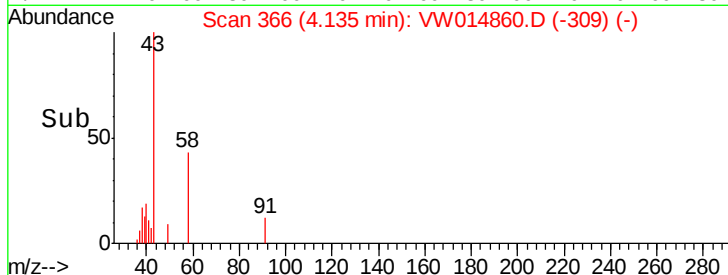
400

200

0

4.08 4.10 4.12 4.14

Time-->



#16

Methylene chloride

Concen: 2.025 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014860.D

Acq: 04 Feb 2020 14:54

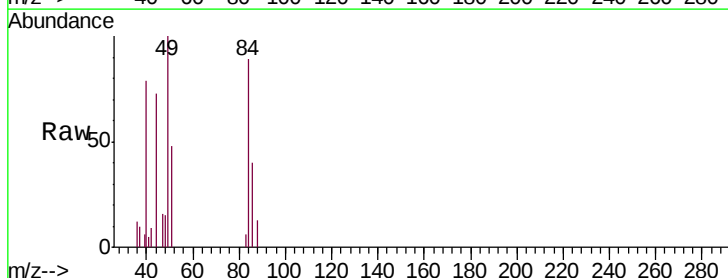
Tgt Ion: 84 Resp: 1948

Ion Ratio Lower Upper

84 100

49 112.3 96.6 179.4

86 44.7 43.8 81.4



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

2000

1500

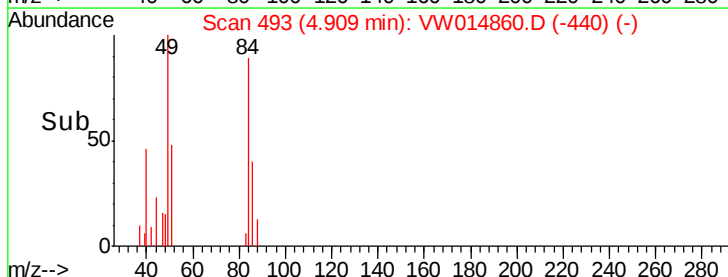
1000

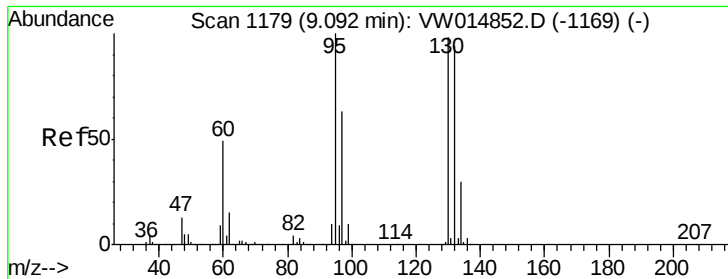
500

0

4.85 4.90

Time-->





#35

Trichloroethene

Concen: 2.006 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW014860.D

Acq: 04 Feb 2020 14:54

Instrument :

MSVOA_W

ClientSampleId :

GAT51

Tgt Ion: 95 Resp: 1626

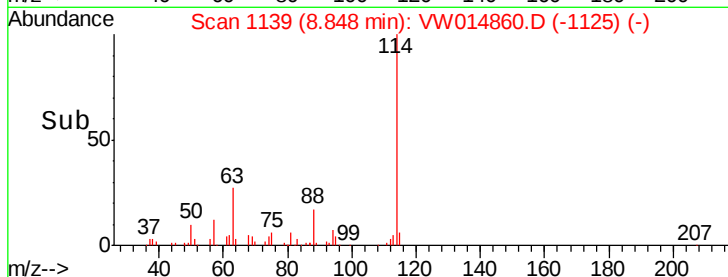
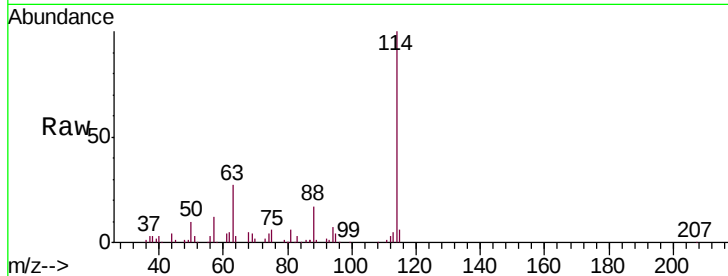
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.5#

132 0.0 64.3 119.5#

130 0.0 67.6 125.6#

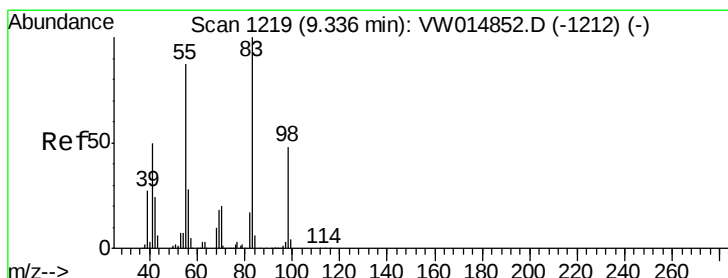
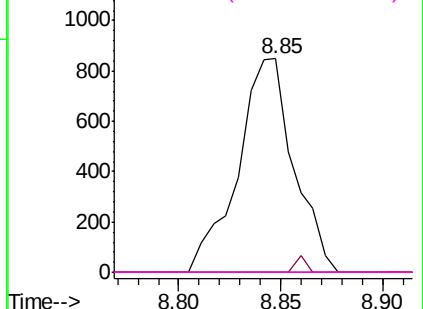


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 4.678 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.07 min

Lab File: VW014860.D

Acq: 04 Feb 2020 14:54

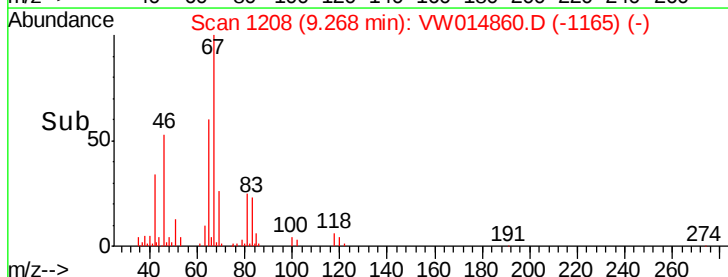
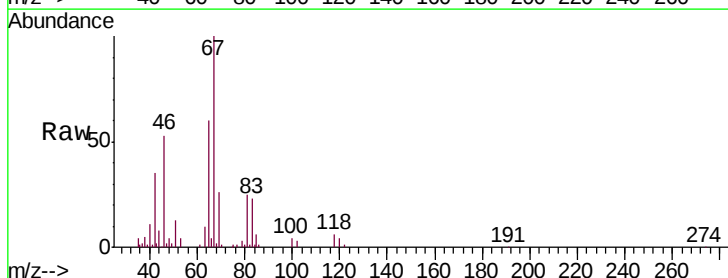
Tgt Ion: 83 Resp: 6642

Ion Ratio Lower Upper

83 100

55 0.8 71.0 106.6#

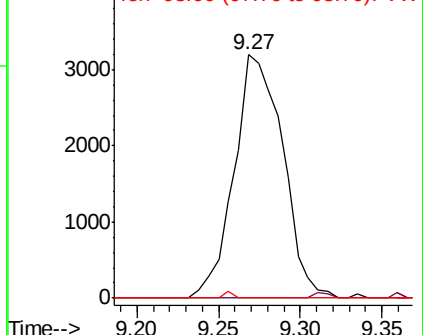
98 0.6 37.7 56.5#

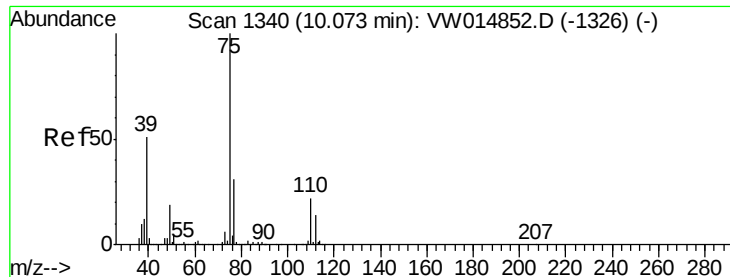


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.532 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014860.D

Acq: 04 Feb 2020 14:54

Instrument :

MSVOA_W

ClientSampleId :

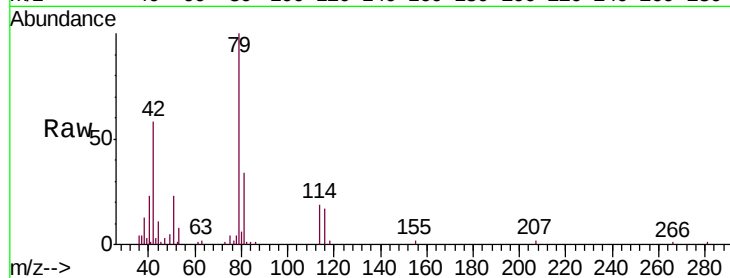
GAT51

Tgt Ion: 75 Resp: 655

Ion Ratio Lower Upper

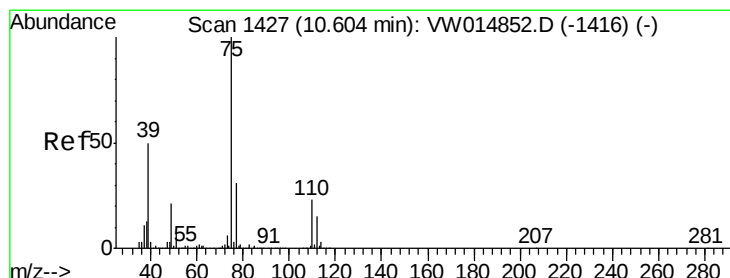
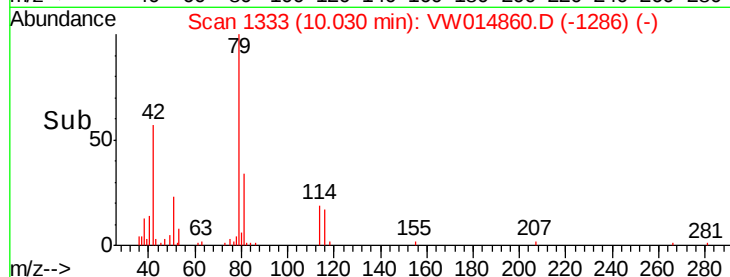
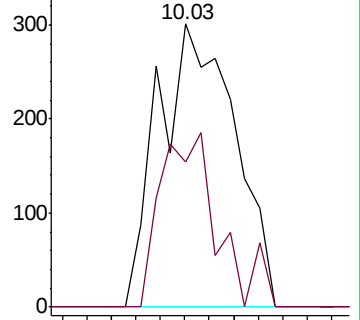
75 100

77 51.2 22.1 41.1#



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: 0.587 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW014860.D

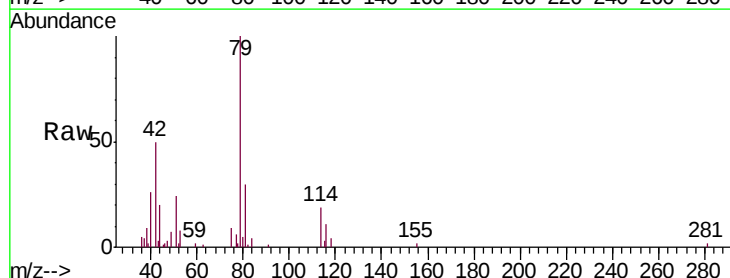
Acq: 04 Feb 2020 14:54

Tgt Ion: 75 Resp: 595

Ion Ratio Lower Upper

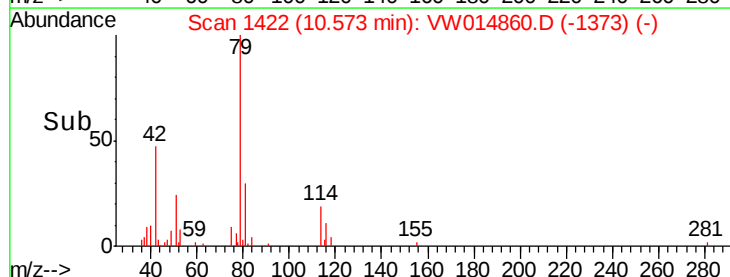
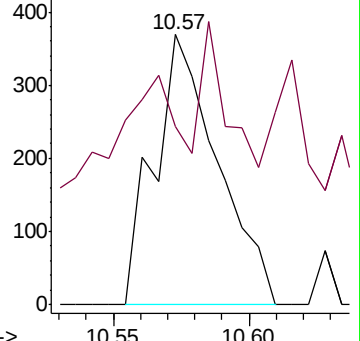
75 100

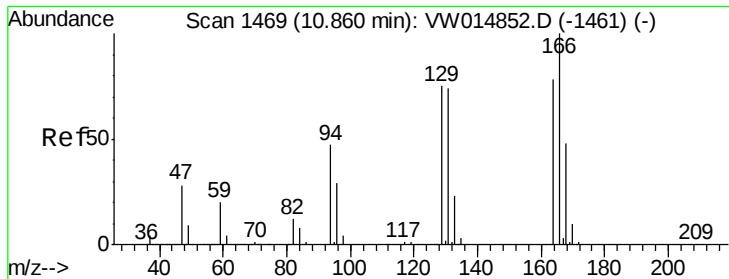
77 66.1 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 0.481 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014860.D

Acq: 04 Feb 2020 14:54

Instrument :

MSVOA_W

ClientSampleId :

GAT51

Tgt Ion:164 Resp: 291

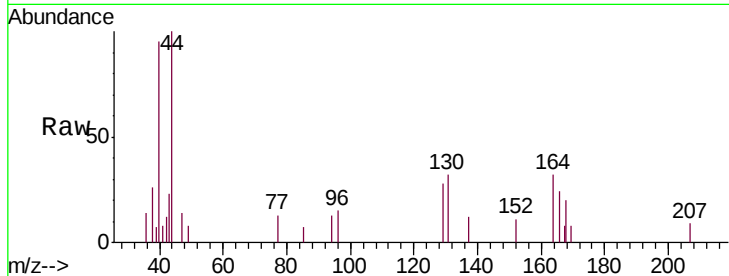
Ion Ratio Lower Upper

164 100

129 89.9 67.1 124.5

131 0.0 62.2 115.6#

166 77.5 87.6 162.6#

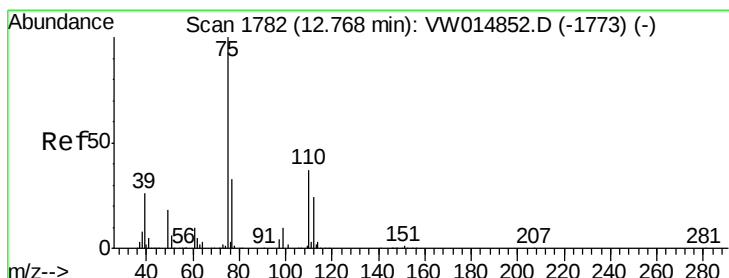
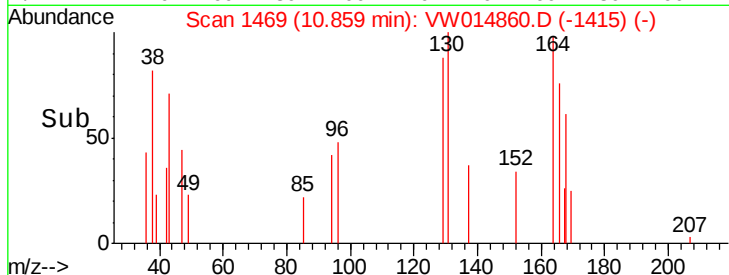
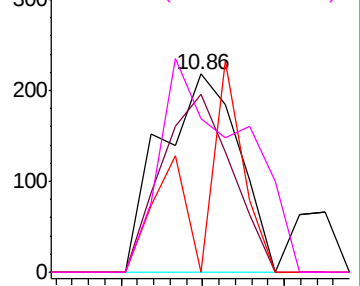


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.855 ug/L

RT: 12.89 min Scan# 1802

Delta R.T. 0.12 min

Lab File: VW014860.D

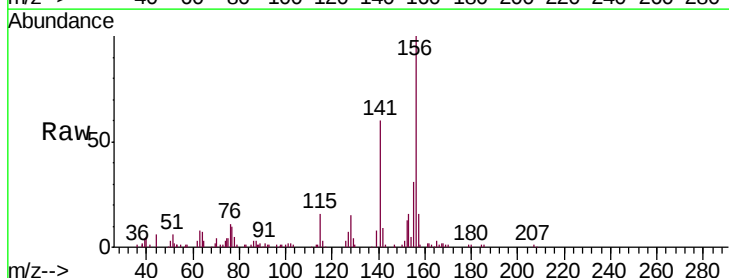
Acq: 04 Feb 2020 14:54

Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

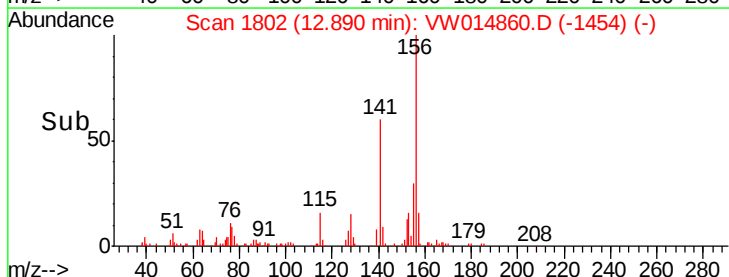
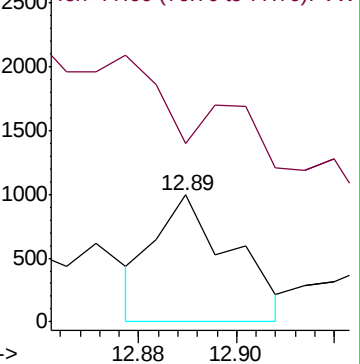
75 100

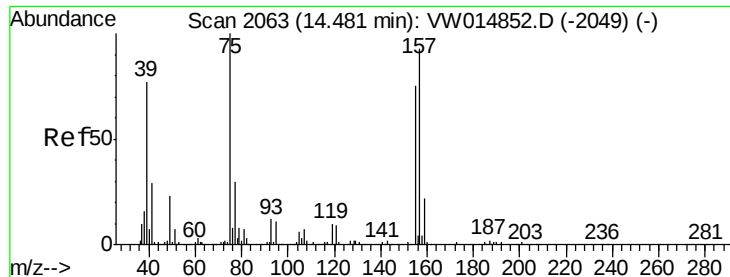
77 37.1 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

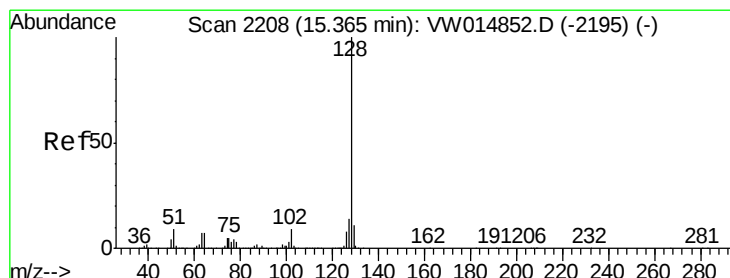
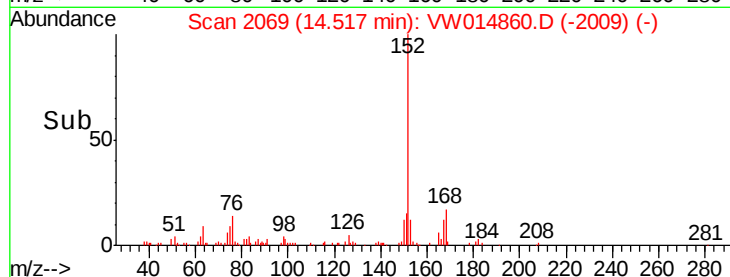
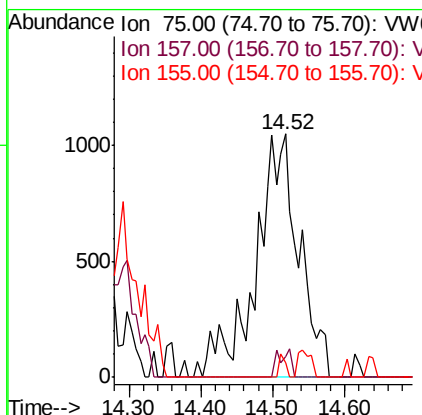
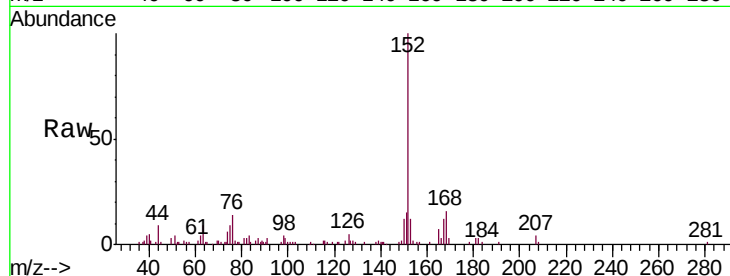




#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.295 ug/L
 RT: 14.52 min Scan# 2069
 Delta R.T. 0.04 min
 Lab File: VW014860.D
 Acq: 04 Feb 2020 14:54

Instrument :
 MSVOA_W
 ClientSampleID :
 GAT51

Tgt Ion: 75 Resp: 4376
 Ion Ratio Lower Upper
 75 100
 157 8.7 68.2 102.2#
 155 6.0 56.0 84.0#



#69
 Naphthalene
 Concen: 21.790 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014860.D
 Acq: 04 Feb 2020 14:54

Tgt Ion: 128 Resp: 20674
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.7 13.1
 127 14.0 10.6 15.8

