

Data File : VW010099.D
Acq On : 23 Apr 2019 15:33
Operator : SY/VA
Sample : K2456-10
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHP8

Quant Time: Apr 24 03:54:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 03:51:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	770480	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	682539	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	279632	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124069	17.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.16%
7) Chloroethane-d5	2.89	69	106648	14.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.84%
10) 1,1-Dichloroethene-d2	4.01	63	268004	13.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.08%
20) 2-Butanone-d5	7.07	46	140376	35.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.28%
24) Chloroform-d	7.65	84	390162	17.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.08%
26) 1,2-Dichloroethane-d4	8.38	65	232	0.02	ug/L	0.07
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	752156	20.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.20%
33) 1,2-Dichloropropane-d6	9.27	67	243792	20.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.60%
37) Toluene-d8	10.32	98	642578	18.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.12%
38) trans-1,3-Dichloropropene-	10.58	79	96668	17.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.28%
39) 2-Hexanone-d5	10.93	63	104225	39.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	189886	16.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	198076	18.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.36%

Target Compounds

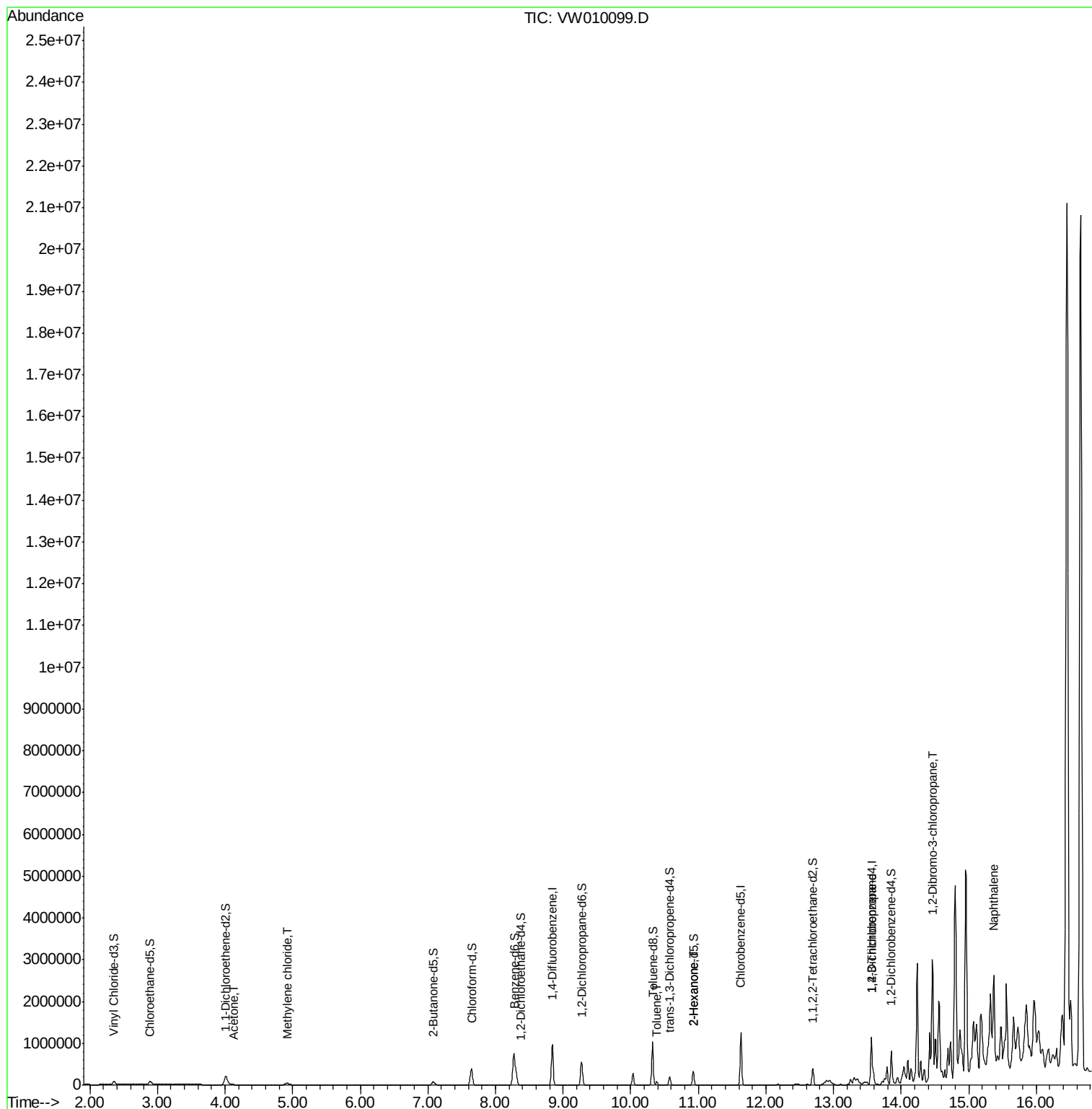
					Qvalue
13) Acetone	4.12	43	14507	4.142 ug/L	95
16) Methylene chloride	4.91	84	46432	3.328 ug/L	95
44) Toluene	10.38	91	55242	1.295 ug/L	98
49) 2-Hexanone	10.93	43	14555	2.339 ug/L #	70
59) 1,2,3-Trichloropropane	13.56	75	37889	4.641 ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.47	75	21790	12.989 ug/L #	8
69) Naphthalene	15.37	128	1558529	71.630 ug/L	98

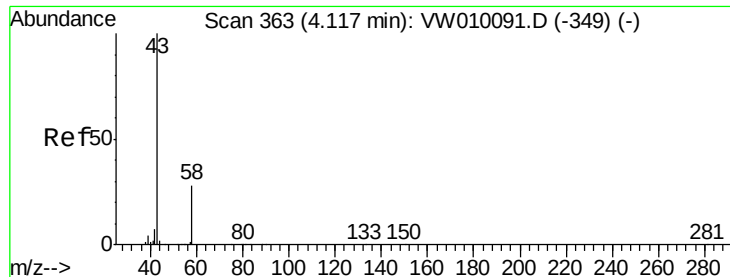
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.142 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 23 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampled :

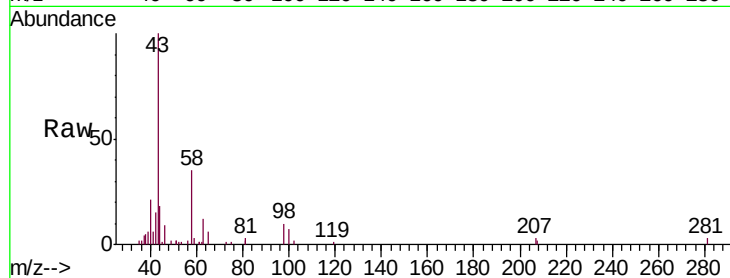
GAHP8

Tgt Ion: 43 Resp: 14507

Ion Ratio Lower Upper

43 100

58 30.6 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

6000

5000

4000

3000

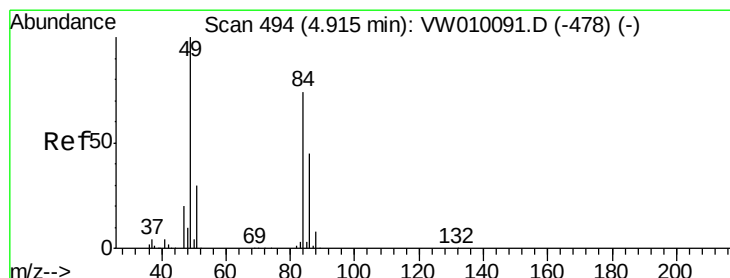
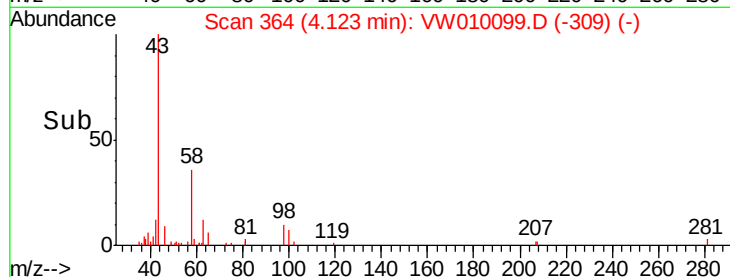
2000

1000

0

4.00 4.05 4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 3.328 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010099.D

Acq: 23 Apr 2019 15:33

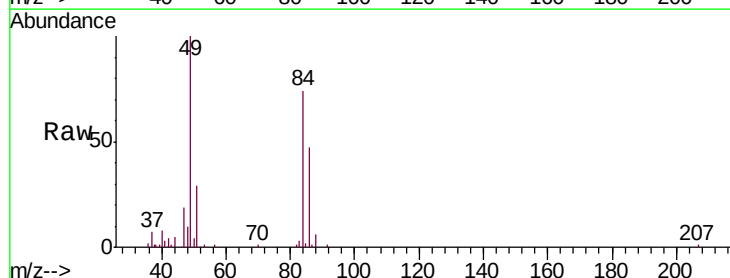
Tgt Ion: 84 Resp: 46432

Ion Ratio Lower Upper

84 100

49 134.7 100.7 187.1

86 62.9 43.8 81.3



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

20000

15000

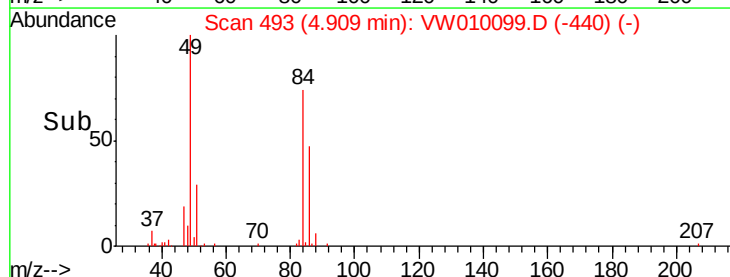
10000

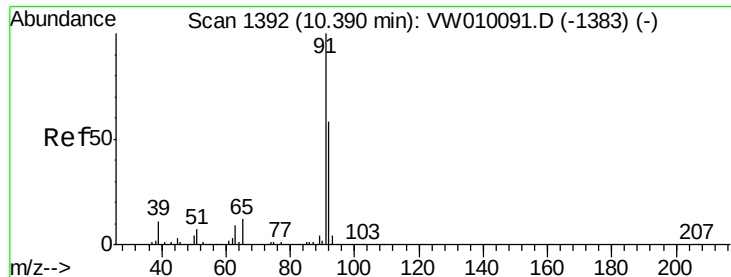
5000

0

4.80 4.90 5.00 5.10

Time-->





#44

Toluene

Concen: 1.295 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

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Acq: 23 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

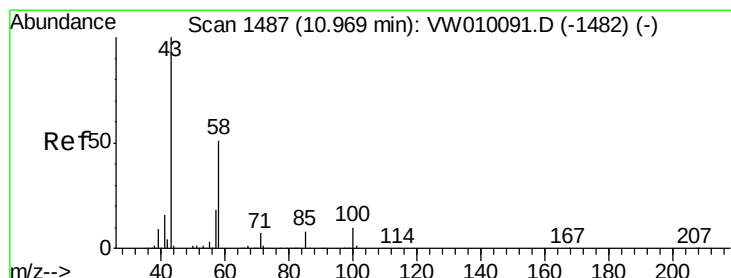
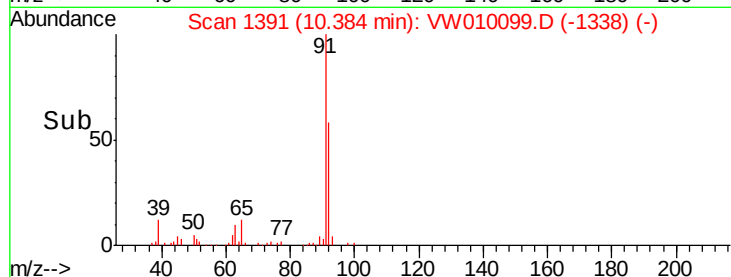
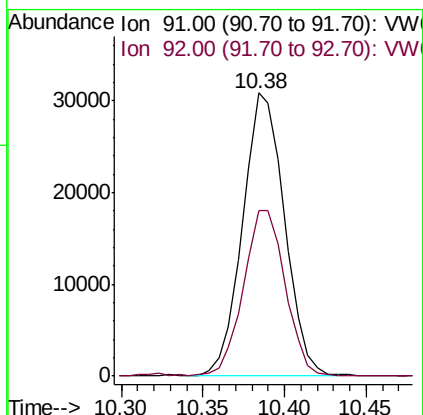
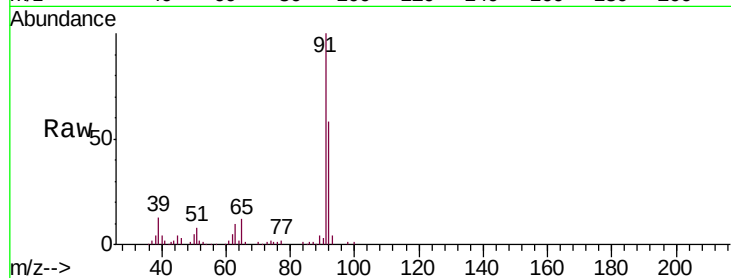
GAHP8

Tgt Ion: 91 Resp: 55242

Ion Ratio Lower Upper

91 100

92 58.4 39.8 74.0



#49

2-Hexanone

Concen: 2.339 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW010099.D

Acq: 23 Apr 2019 15:33

Tgt Ion: 43 Resp: 14555

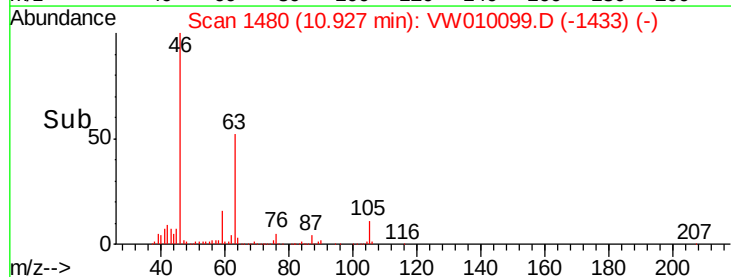
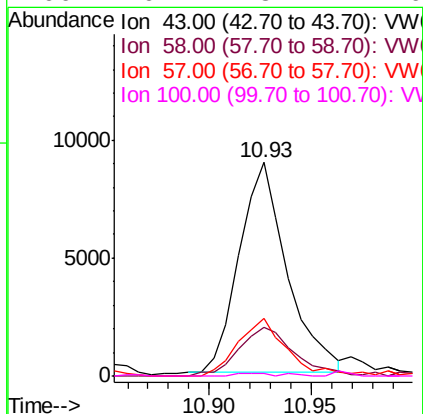
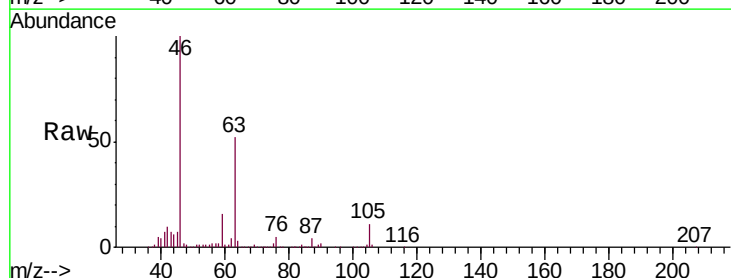
Ion Ratio Lower Upper

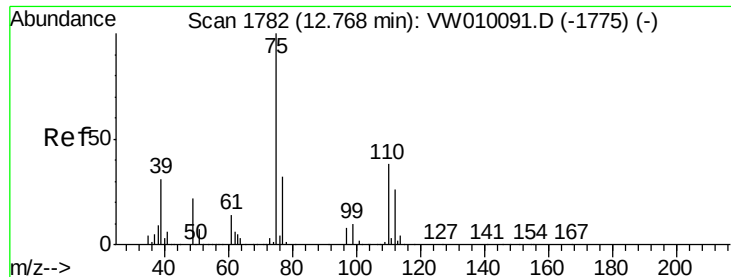
43 100

58 26.7 39.8 59.8#

57 27.5 14.1 21.1#

100 0.4 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 4.641 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW010099.D

Acq: 23 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampled :

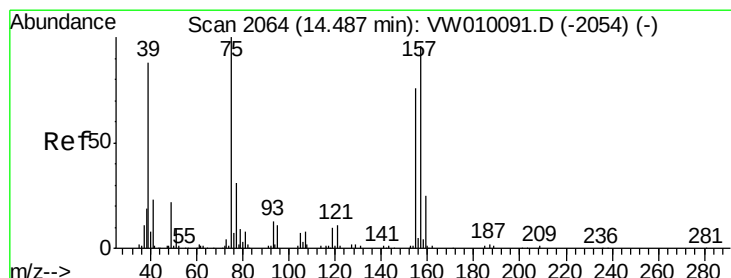
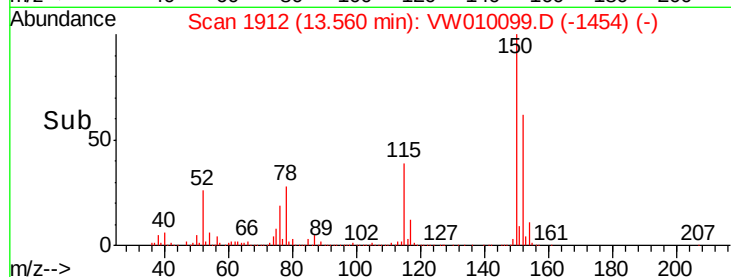
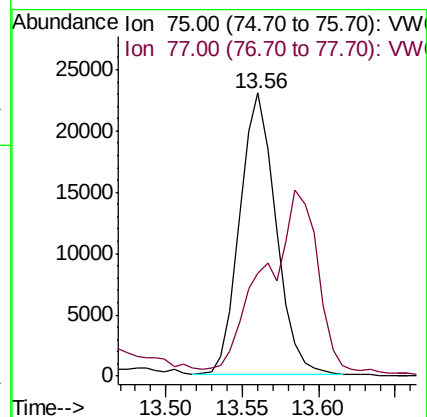
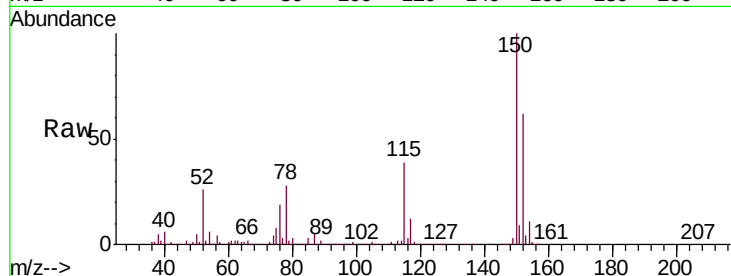
GAHP8

Tgt Ion: 75 Resp: 37889

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.6



#66

1,2-Dibromo-3-chloropropane

Concen: 12.989 ug/L

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

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Acq: 23 Apr 2019 15:33

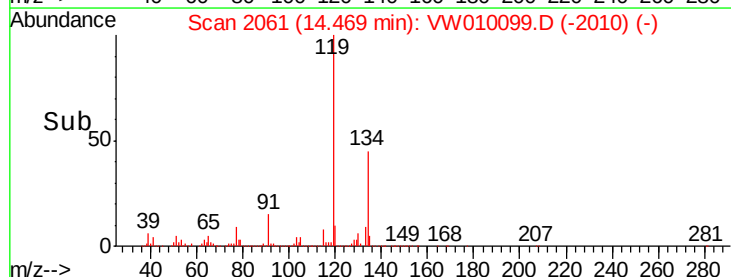
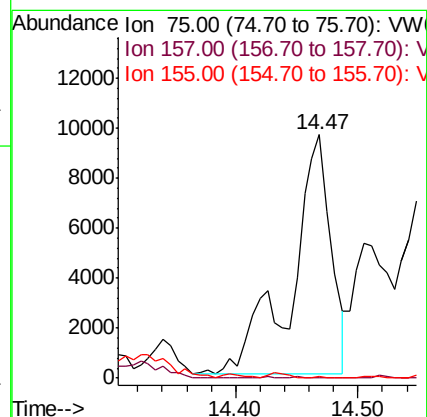
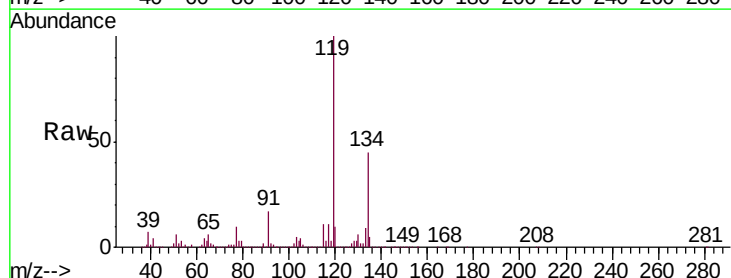
Tgt Ion: 75 Resp: 21790

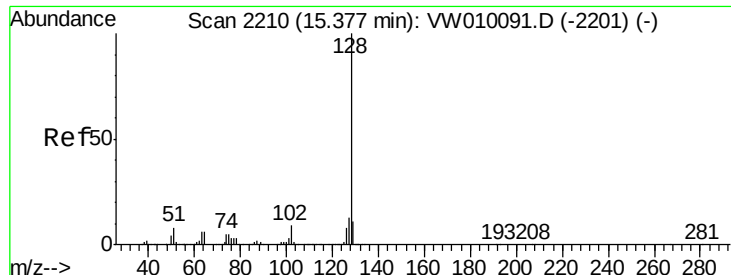
Ion Ratio Lower Upper

75 100

157 0.0 73.3 109.9#

155 0.7 58.6 88.0#





#69

Naphthalene

Concen: 71.630 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

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Acq: 23 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

GAHP8

Tgt Ion:128 Resp: 1558529

Ion Ratio Lower Upper

128 100

129 12.6 8.6 12.8

127 13.3 10.6 16.0

