

Data File : VW014848.D
Acq On : 03 Feb 2020 21:20
Operator : SY/VA
Sample : L1323-09
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT47

Quant Time: Feb 04 06:58:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 06:54:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	976266	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	827617	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	258392	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	294456	19.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.04%
7) Chloroethane-d5	2.89	69	287421	19.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.64%
10) 1,1-Dichloroethene-d2	4.02	63	488356	15.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.12%
20) 2-Butanone-d5	7.07	46	235613	41.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.00%
24) Chloroform-d	7.65	84	698541	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	8.38	65	352	0.02	ug/L	0.08
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	1440316	24.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.76%
33) 1,2-Dichloropropane-d6	9.27	67	485886	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.64%
37) Toluene-d8	10.32	98	1210168	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.04%
38) trans-1,3-Dichloropropene-	10.57	79	164214	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.80%
39) 2-Hexanone-d5	10.92	63	185103	49.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	315918	21.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	254427	23.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.00%

Target Compounds

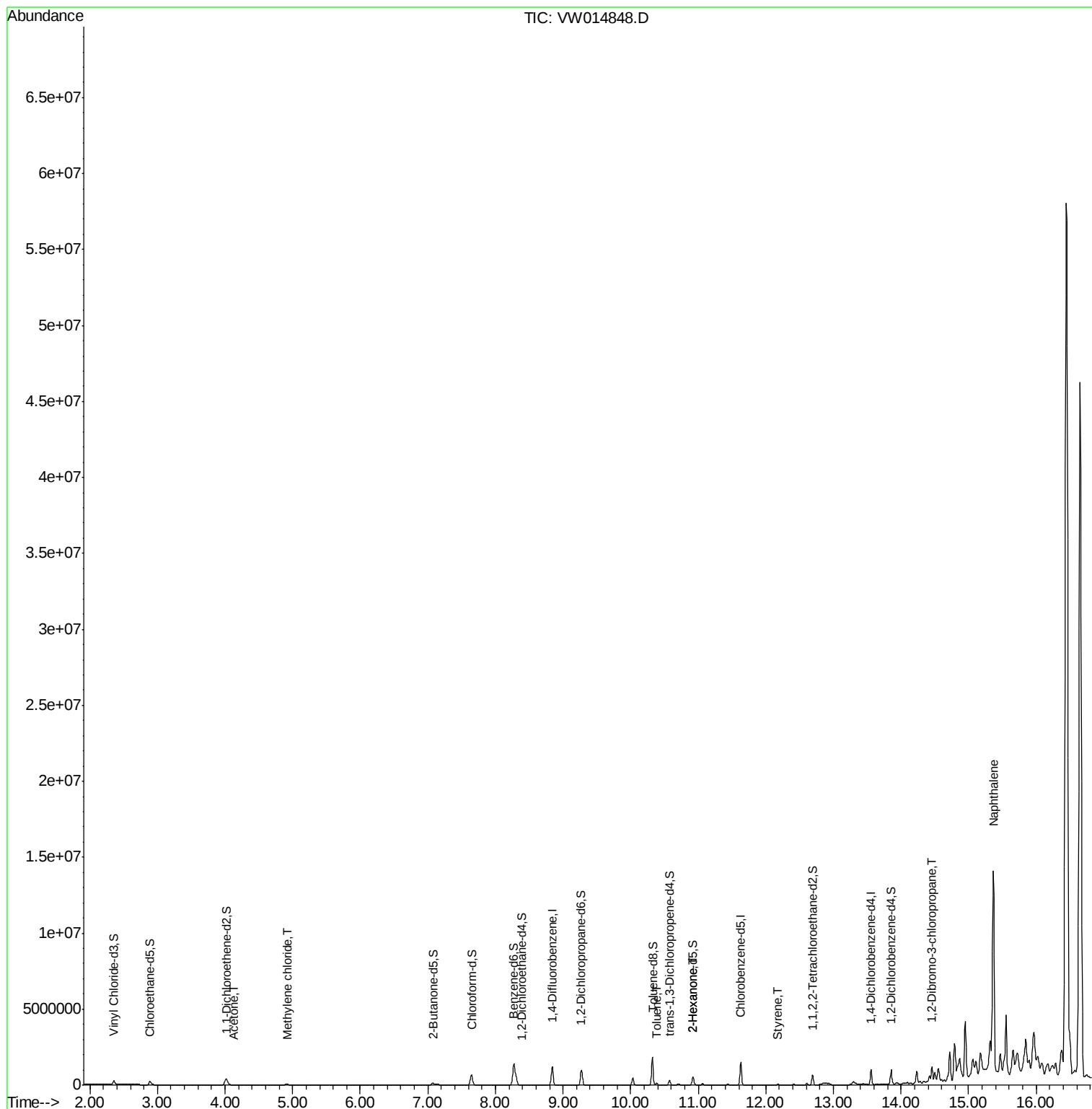
					Qvalue
13) Acetone	4.12	43	26121	4.203 ug/L	99
16) Methylene chloride	4.92	84	45187	2.507 ug/L	97
44) Toluene	10.38	91	100846	1.739 ug/L	98
49) 2-Hexanone	10.92	43	22232	2.808 ug/L #	69
56) Styrene	12.18	104	16912	0.464 ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.46	75	10599	6.882 ug/L #	14
69) Naphthalene	15.36	128	10899170	559.943 ug/L	98

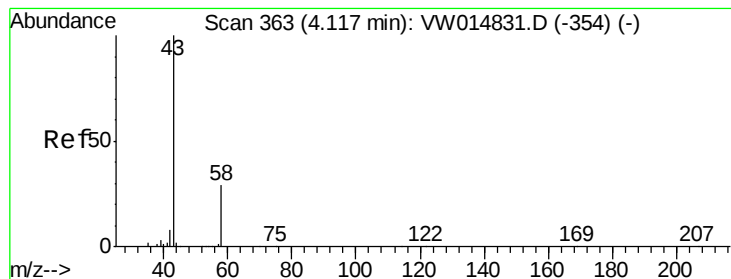
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.203 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampled :

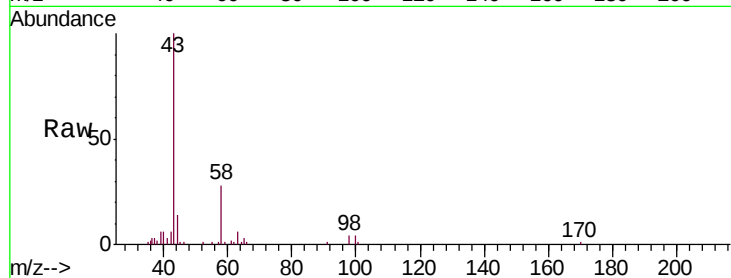
GAT47

Tgt Ion: 43 Resp: 26121

Ion Ratio Lower Upper

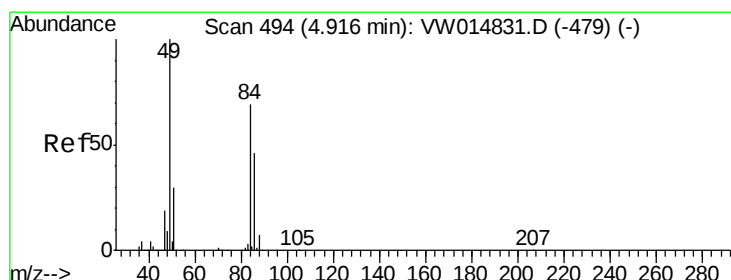
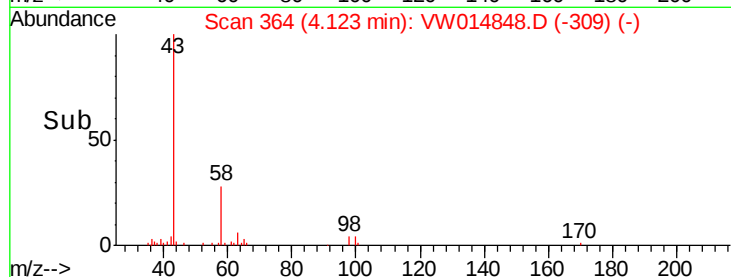
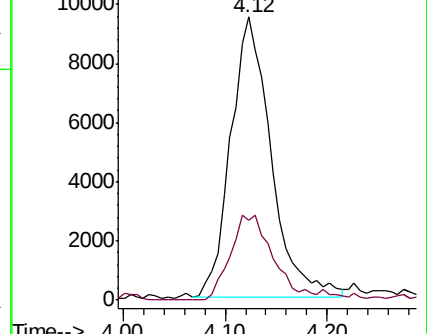
43 100

58 30.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.507 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

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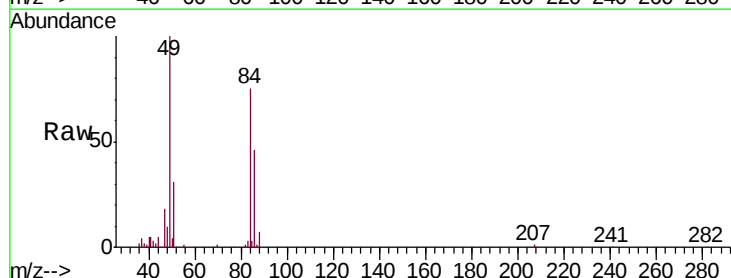
Tgt Ion: 84 Resp: 45187

Ion Ratio Lower Upper

84 100

49 133.0 96.6 179.4

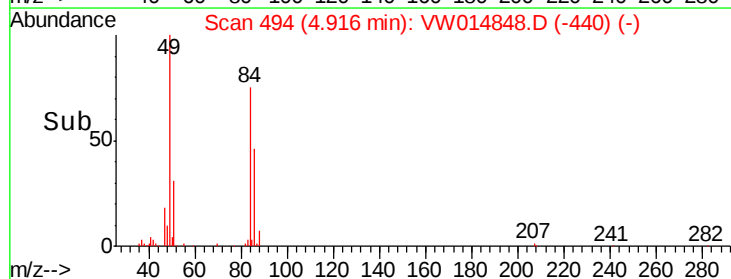
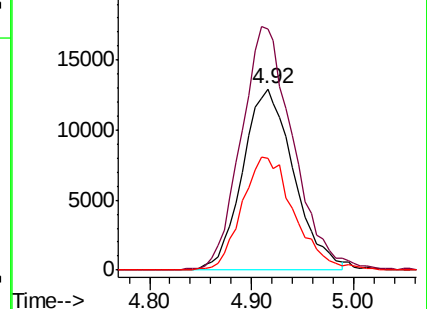
86 61.6 43.8 81.4

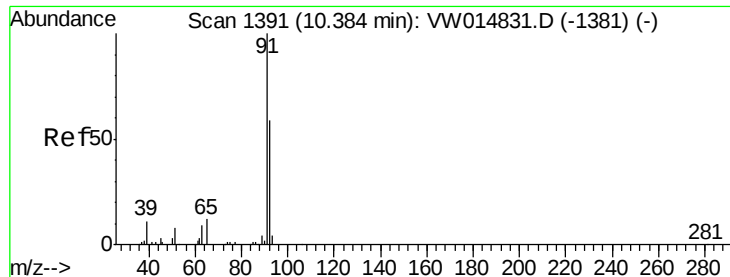


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#44

Toluene

Concen: 1.739 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

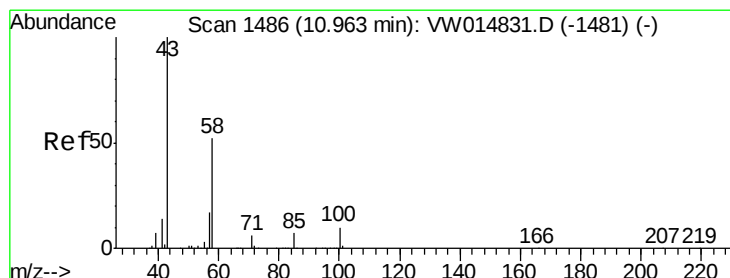
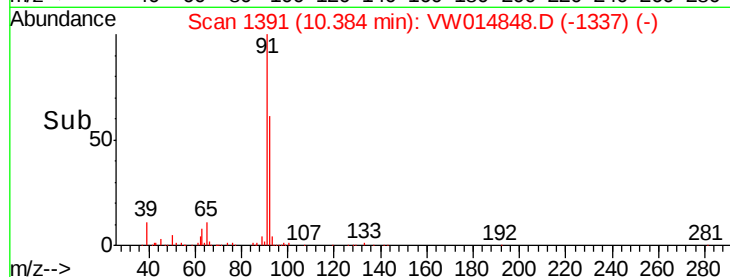
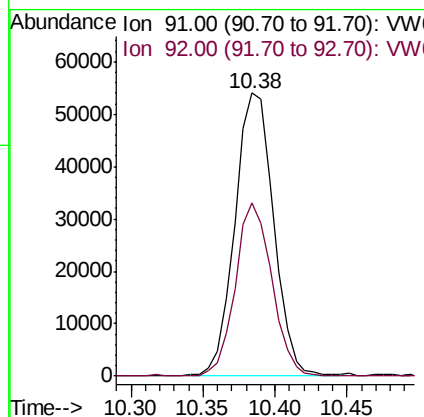
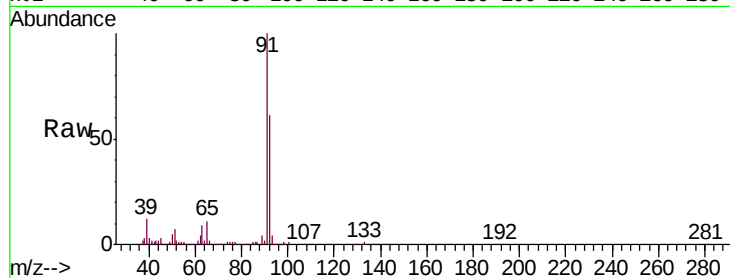
GAT47

Tgt Ion: 91 Resp: 100846

Ion Ratio Lower Upper

91 100

92 61.0 41.6 77.2



#49

2-Hexanone

Concen: 2.808 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

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Tgt Ion: 43 Resp: 22232

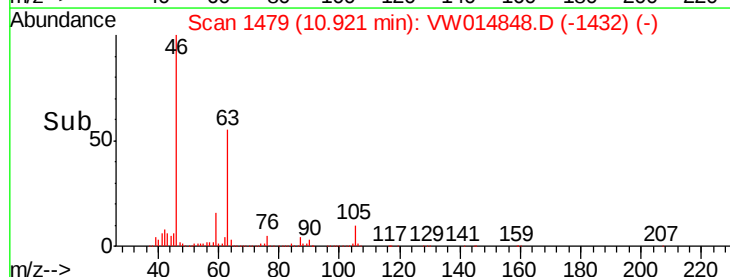
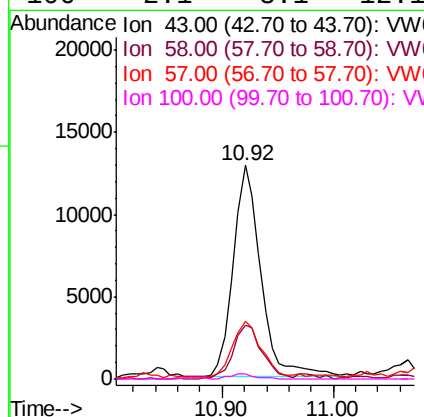
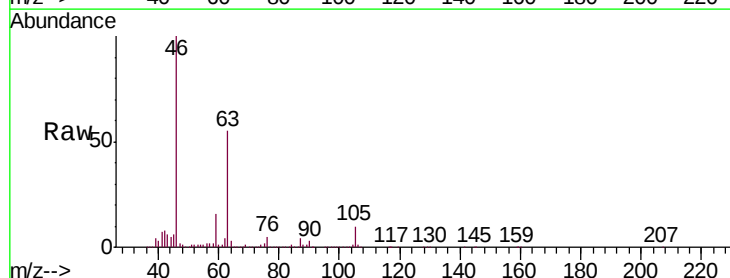
Ion Ratio Lower Upper

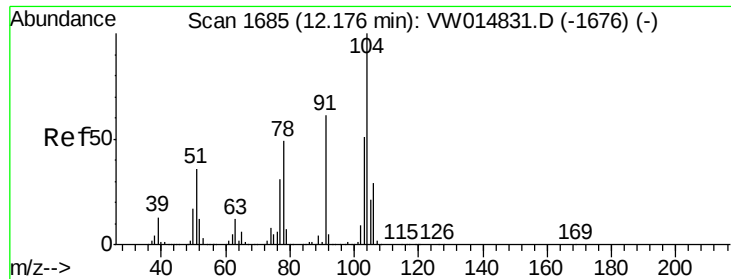
43 100

58 26.6 41.1 61.7#

57 26.9 14.1 21.1#

100 2.1 8.1 12.1#





#56

Styrene

Concen: 0.464 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

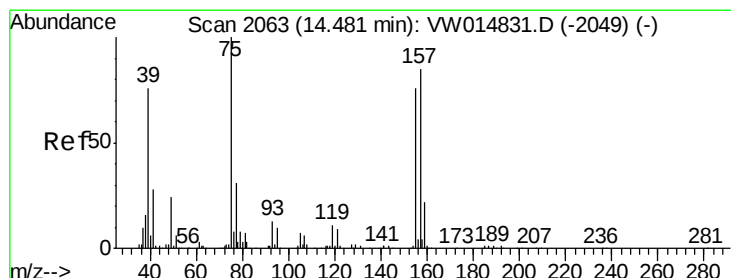
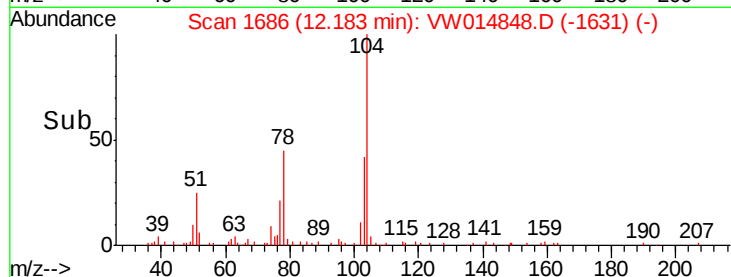
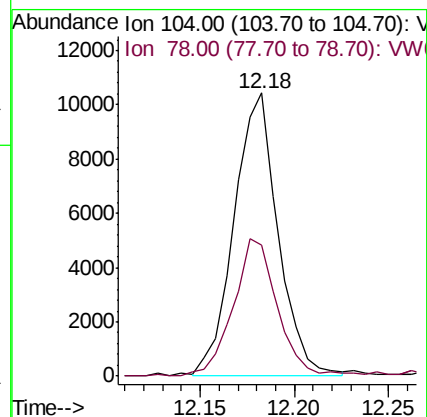
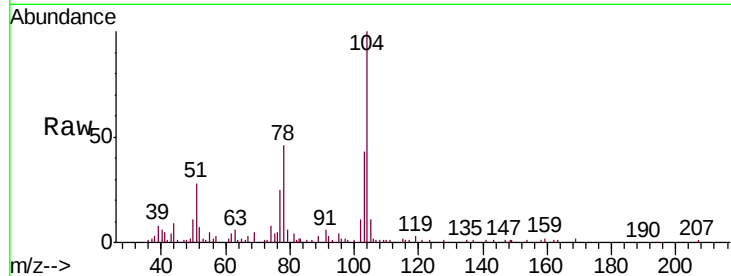
GAT47

Tgt Ion: 104 Resp: 16912

Ion Ratio Lower Upper

104 100

78 46.4 34.3 63.7



#66

1,2-Dibromo-3-chloropropane

Concen: 6.882 ug/L

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

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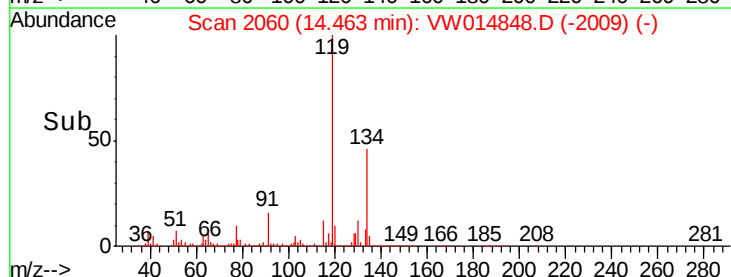
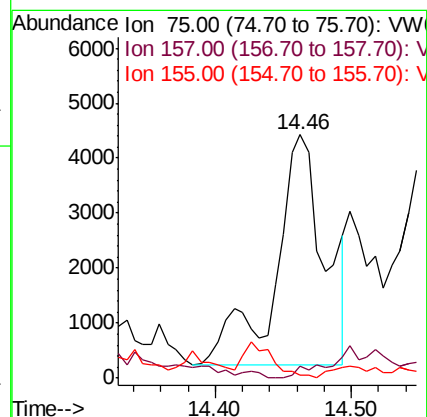
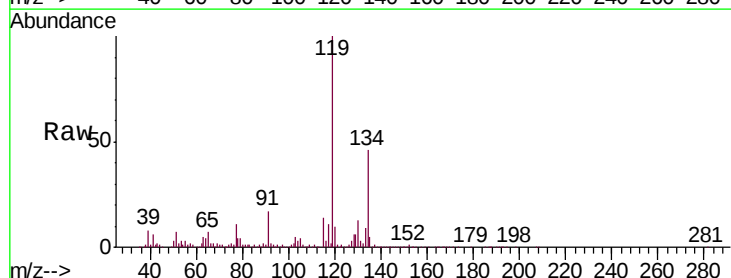
Tgt Ion: 75 Resp: 10599

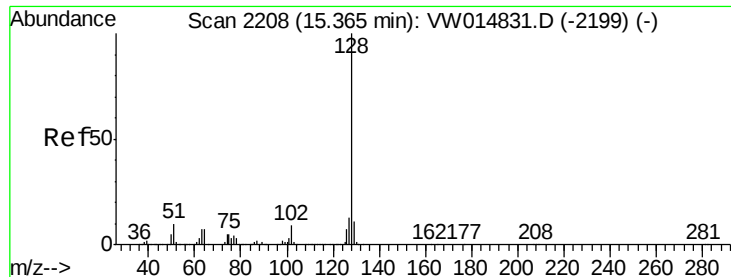
Ion Ratio Lower Upper

75 100

157 4.9 68.2 102.2#

155 1.4 56.0 84.0#





#69

Naphthalene

Concen: 559.943 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014848.D

Acq: 03 Feb 2020 21:20

Instrument :

MSVOA_W

ClientSampleId :

GAT47

Tgt Ion:128 Resp:10899170

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

127 13.7 10.6 15.8

