

Data File : VW014857.D
Acq On : 04 Feb 2020 13:09
Operator : SY/VA
Sample : L1323-19
Misc : 5.04G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT57

Quant Time: Feb 05 03:44:32 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	780228	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	706326	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	313894	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	263613	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
7) Chloroethane-d5	2.89	69	254831	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
10) 1,1-Dichloroethene-d2	4.15	63	350	0.01	ug/L	0.13
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.07	46	130236	28.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.72%
24) Chloroform-d	7.65	84	549477	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.51	65	118	0.01	ug/L	0.21
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	1139713	22.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.56%
33) 1,2-Dichloropropane-d6	9.27	67	371393	22.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.04%
37) Toluene-d8	10.32	98	982891	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	10.57	79	120280	18.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.48%
39) 2-Hexanone-d5	10.92	63	94689	29.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	226597	17.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	311740	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

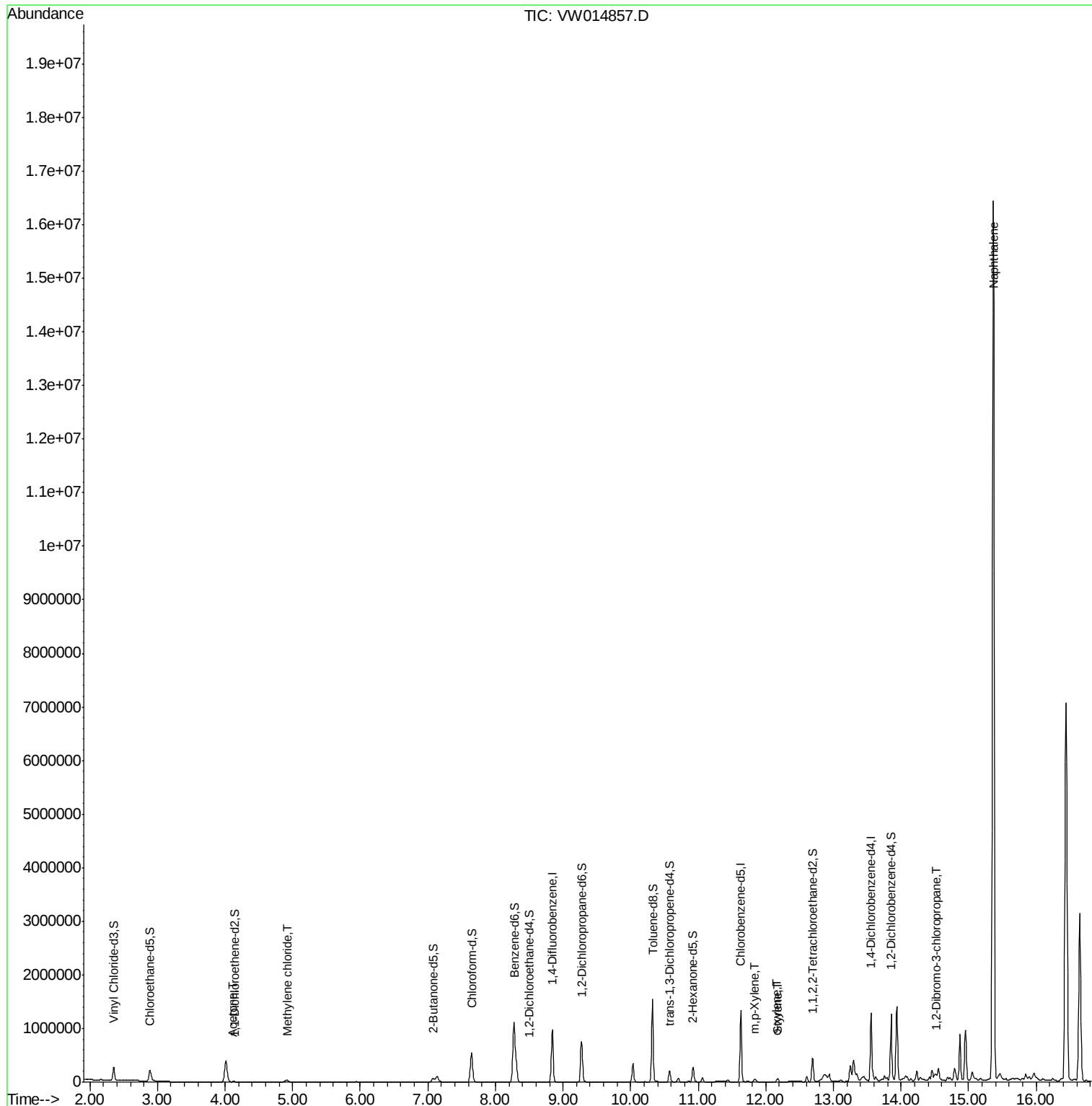
					Qvalue
13) Acetone	4.12	43	14684	2.956	ug/L 91
16) Methylene chloride	4.91	84	25543	1.773	ug/L 94
54) m,p-Xylene	11.83	106	15914	0.811	ug/L 91
55) o-xylene	12.16	106	8186	0.448	ug/L 92
56) Styrene	12.18	104	20170	0.648	ug/L 98
66) 1,2-Dibromo-3-chloropropan	14.52	75	12183	6.512	ug/L # 10
69) Naphthalene	15.36	128	13283591	561.775	ug/L 98

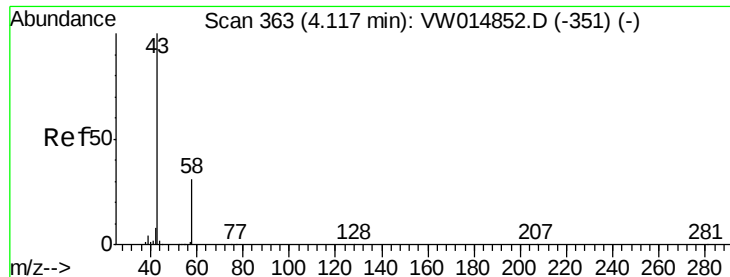
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.956 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 04 Feb 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

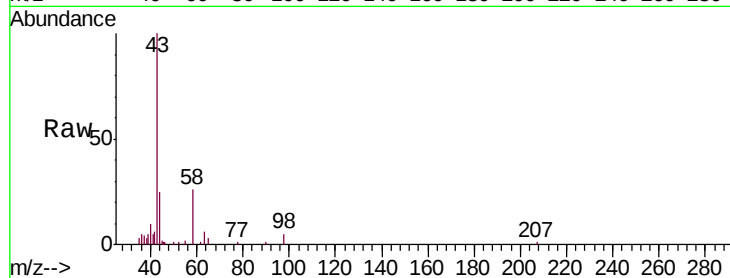
GAT57

Tgt Ion: 43 Resp: 14684

Ion Ratio Lower Upper

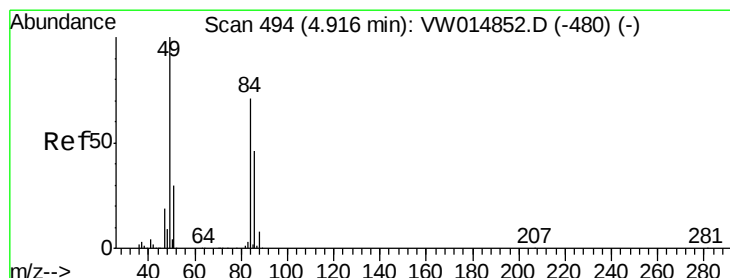
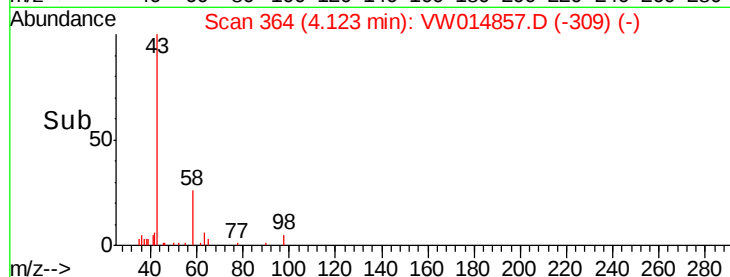
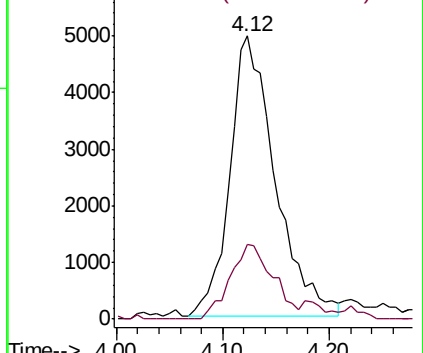
43 100

58 25.4 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: 1.773 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

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Acq: 04 Feb 2020 13:09

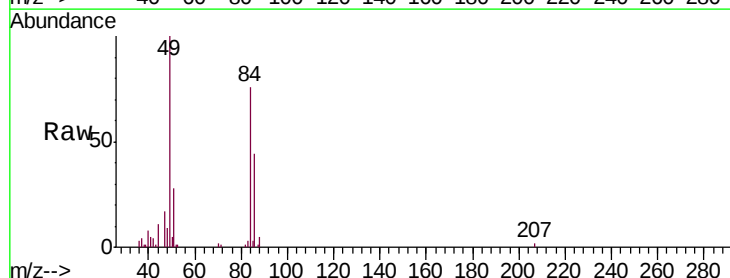
Tgt Ion: 84 Resp: 25543

Ion Ratio Lower Upper

84 100

49 131.5 96.6 179.4

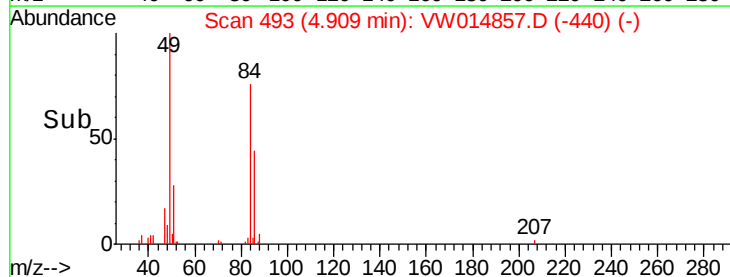
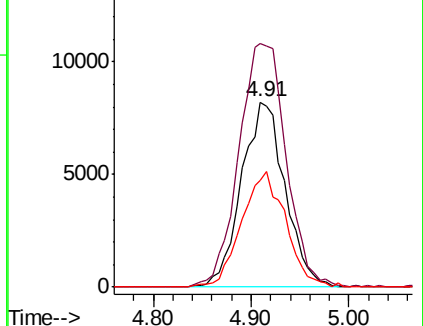
86 57.9 43.8 81.4

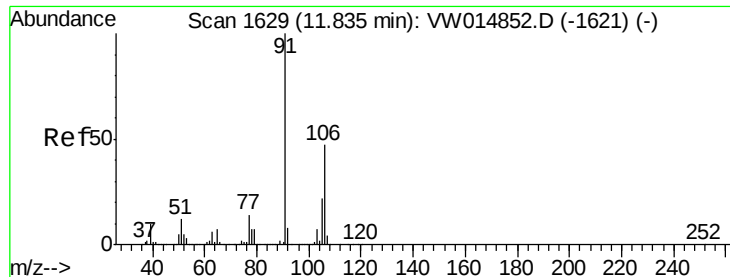


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#54

m,p-Xylene

Concen: 0.811 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampled :

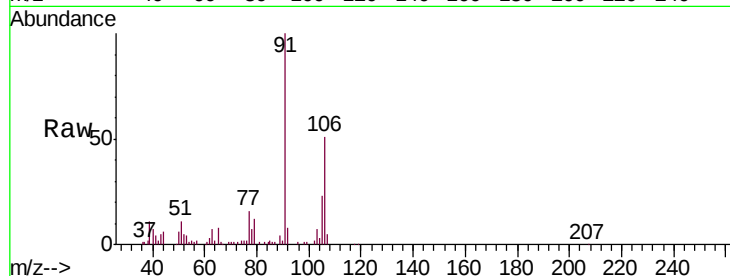
GAT57

Tgt Ion:106 Resp: 15914

Ion Ratio Lower Upper

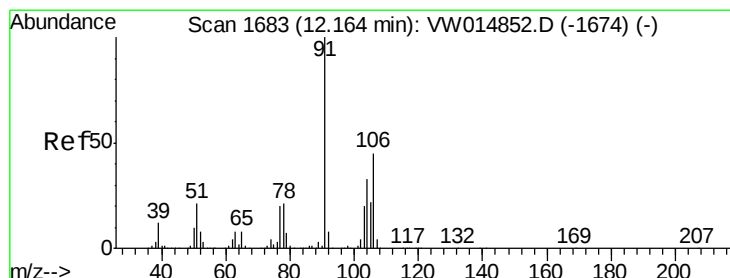
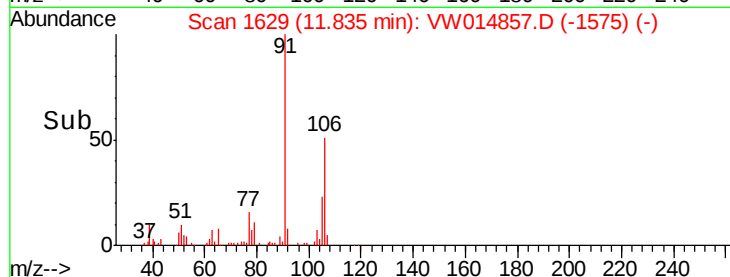
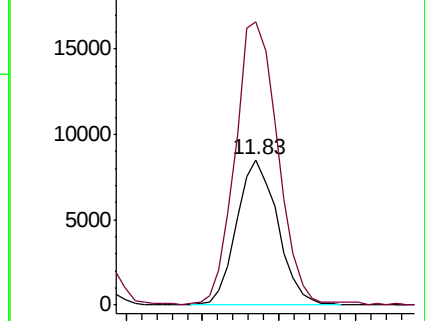
106 100

91 194.3 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.448 ug/L

RT: 12.16 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW014857.D

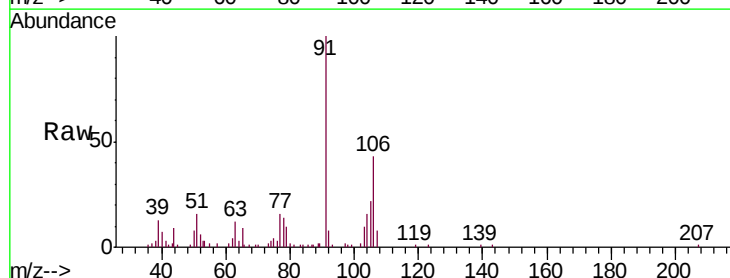
Acq: 04 Feb 2020 13:09

Tgt Ion:106 Resp: 8186

Ion Ratio Lower Upper

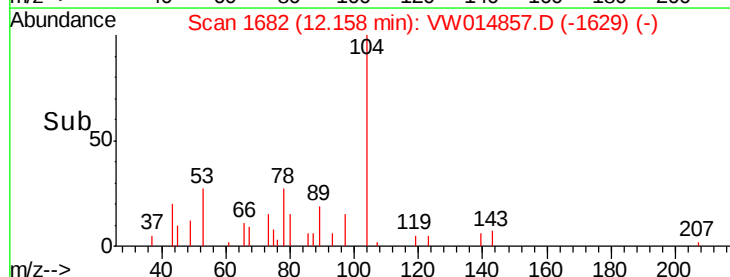
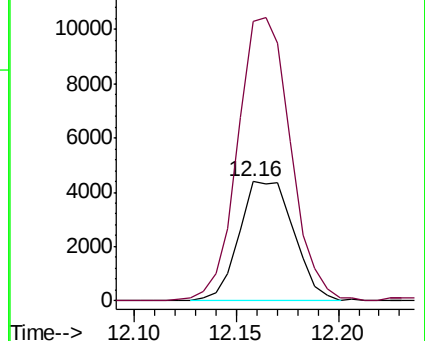
106 100

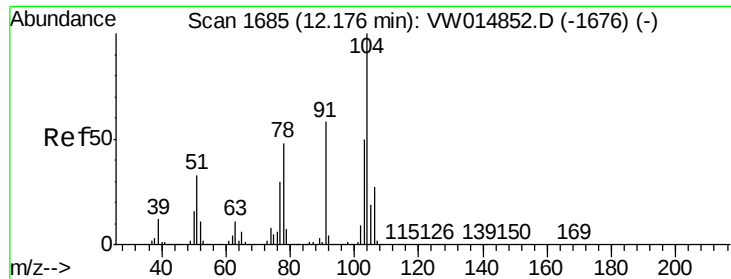
91 234.3 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 0.648 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014857.D

Acq: 04 Feb 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

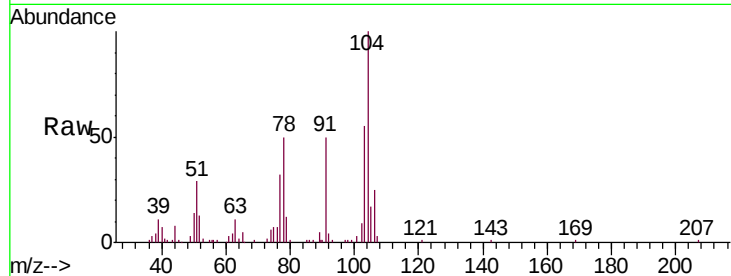
GAT57

Tgt Ion: 104 Resp: 20170

Ion Ratio Lower Upper

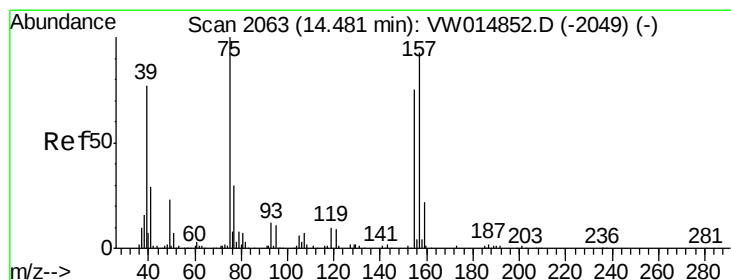
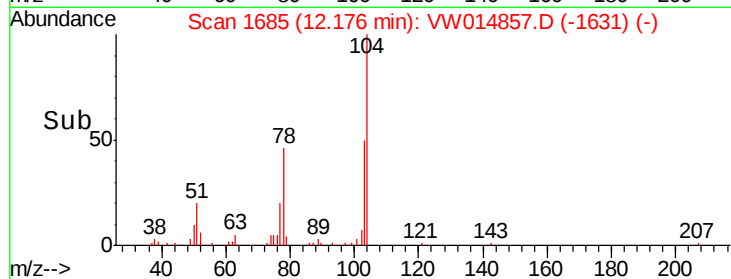
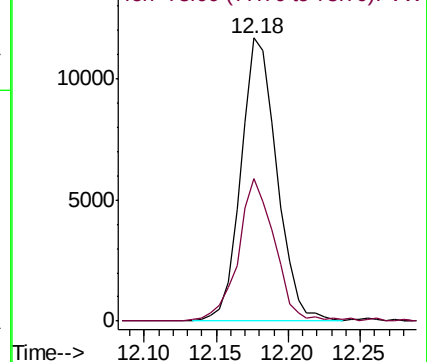
104 100

78 50.3 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#66

1,2-Dibromo-3-chloropropane

Concen: 6.512 ug/L

RT: 14.52 min Scan# 2070

Delta R.T. 0.04 min

Lab File: VW014857.D

Acq: 04 Feb 2020 13:09

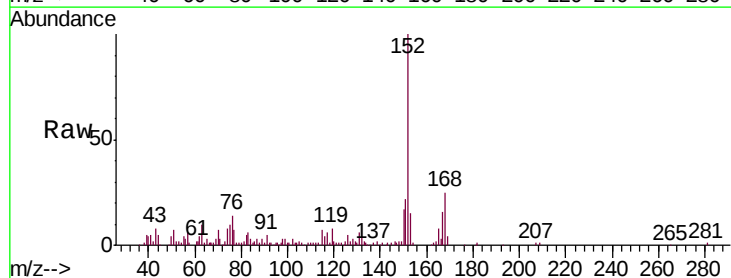
Tgt Ion: 75 Resp: 12183

Ion Ratio Lower Upper

75 100

157 0.0 68.2 102.2#

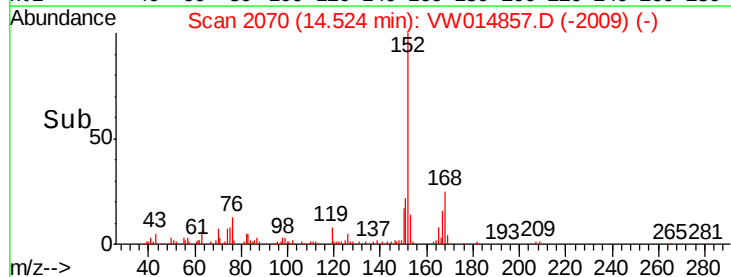
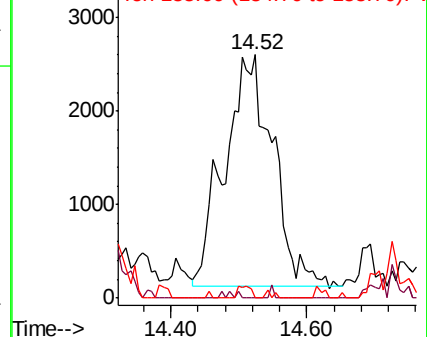
155 0.0 56.0 84.0#

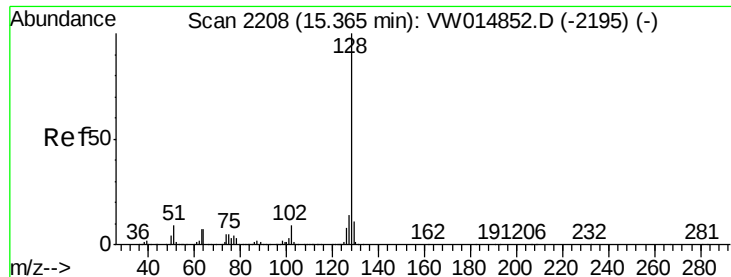


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 561.775 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014857.D

Acq: 04 Feb 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

GAT57

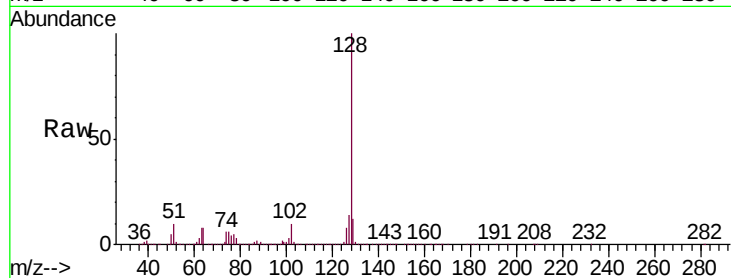
Tgt Ion:128 Resp:13283591

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

127 13.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
1e+07
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

