

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042619\
 Data File : VW010154.D
 Acq On : 26 Apr 2019 12:35
 Operator : SY/VA
 Sample : K2481-09MSD
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHW2MSD

Quant Time: Apr 26 23:33:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 26 23:30:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	744048	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	705266	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	329311	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	148920	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.76%
7) Chloroethane-d5	2.89	69	122144	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
10) 1,1-Dichloroethene-d2	4.02	63	368823	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.68%
20) 2-Butanone-d5	7.08	46	107564	32.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.06%
24) Chloroform-d	7.65	84	390071	19.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.76%
26) 1,2-Dichloroethane-d4	8.31	65	213698	18.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.80%
29) Benzene-d6	8.27	84	785381	19.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.64%
33) 1,2-Dichloropropane-d6	9.27	67	245805	19.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.96%
37) Toluene-d8	10.32	98	724513	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.88%
38) trans-1,3-Dichloropropene-	10.58	79	101206	17.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.56%
39) 2-Hexanone-d5	10.93	63	89231	34.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	179102	17.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	323126	26.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.00%

Target Compounds

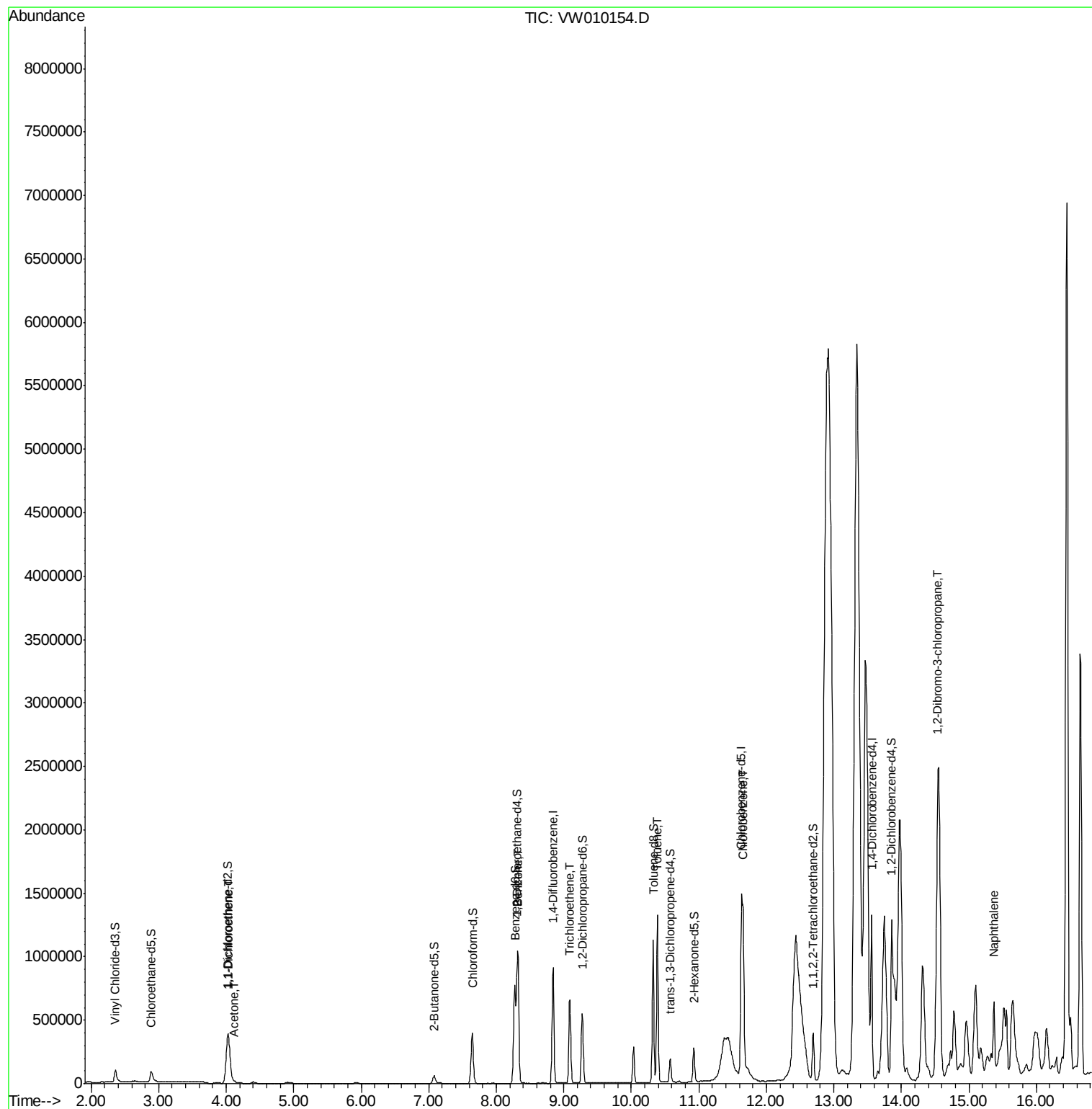
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	174839	18.134	ug/L	87
13) Acetone	4.12	43	6665	2.629	ug/L	98
34) Benzene	8.32	78	885216	20.635	ug/L	100
35) Trichloroethene	9.09	95	227502	20.108	ug/L	98
44) Toluene	10.39	91	963917	21.226	ug/L	98
52) Chlorobenzene	11.66	112	621851	21.642	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.54	75	206954	114.883	ug/L #	7
69) Naphthalene	15.37	128	429971	13.927	ug/L	99

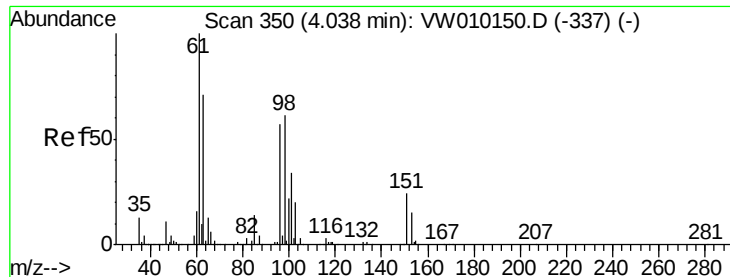
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:30:44 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 18.134 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010154.D

Acq: 26 Apr 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

GAHW2MSD

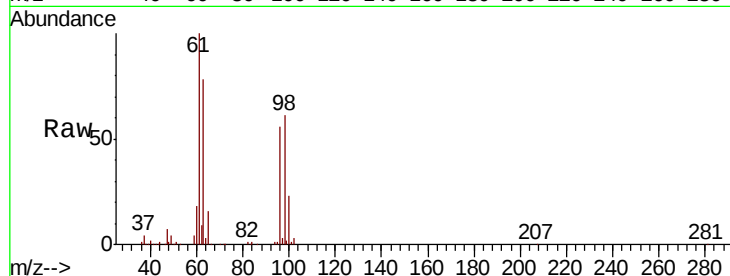
Tgt Ion: 96 Resp: 174839

Ion Ratio Lower Upper

96 100

61 180.1 135.3 251.3

63 140.3 115.8 215.2

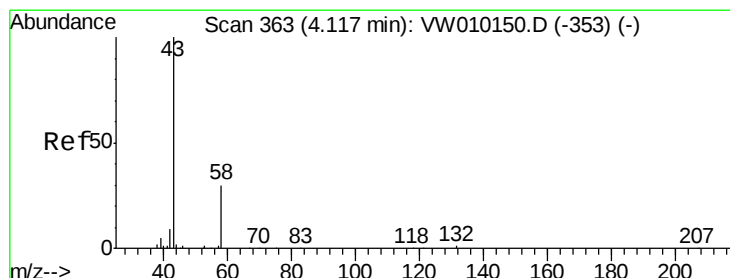
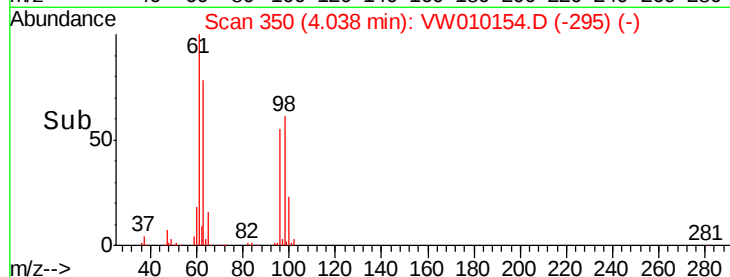
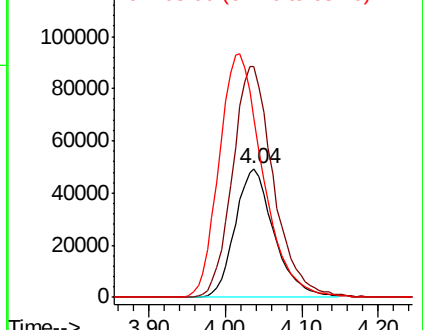


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 2.629 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010154.D

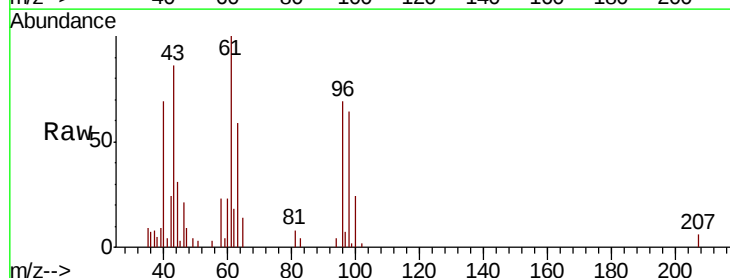
Acq: 26 Apr 2019 12:35

Tgt Ion: 43 Resp: 6665

Ion Ratio Lower Upper

43 100

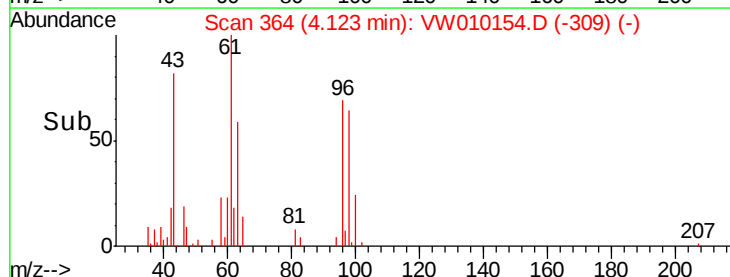
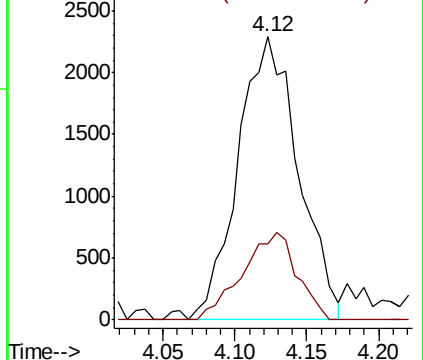
58 27.9 0.0 58.2

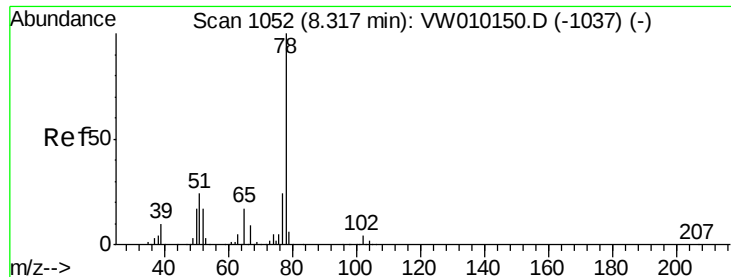


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#34

Benzene

Concen: 20.635 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010154.D

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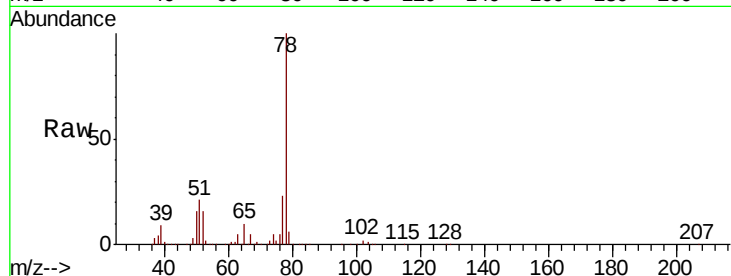
Instrument :

MSVOA_W

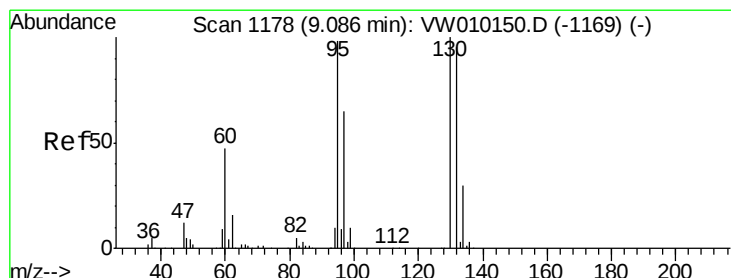
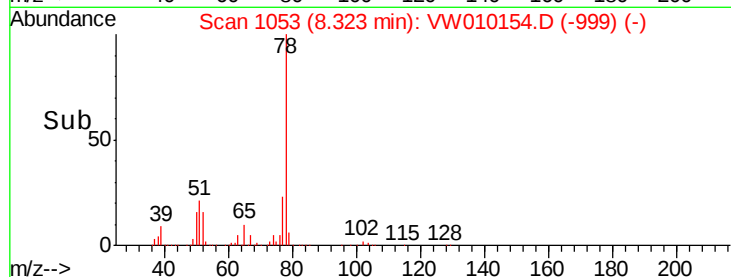
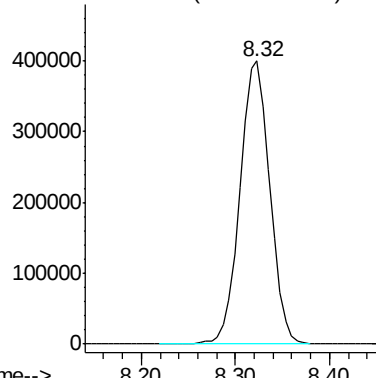
ClientSampleId :

GAHW2MSD

Tgt Ion: 78 Resp: 885216



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 20.108 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010154.D

Acq: 26 Apr 2019 12:35

Tgt Ion: 95 Resp: 227502

Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.1	83.9
132	98.0	67.2	124.8
130	102.3	70.0	130.0

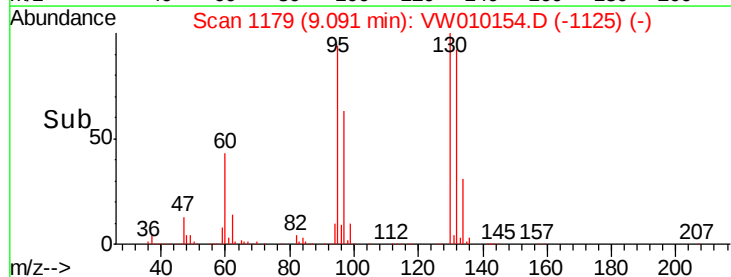
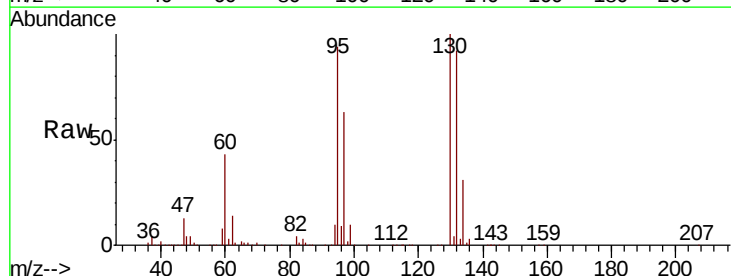
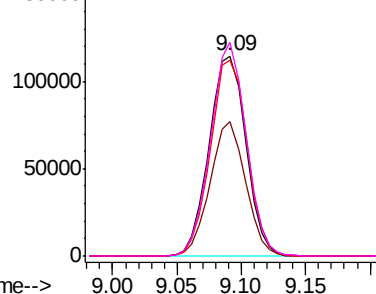
97	64.9	45.1	83.9
132	98.0	67.2	124.8
130	102.3	70.0	130.0

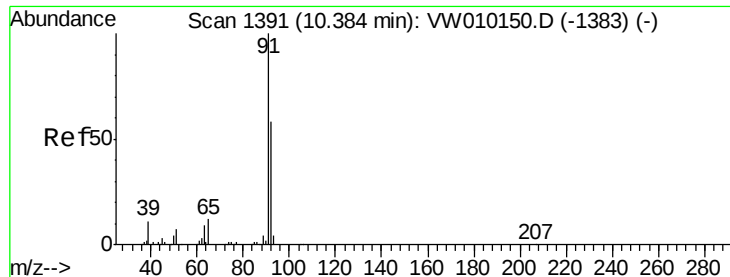
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 21.226 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010154.D

Acq: 26 Apr 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

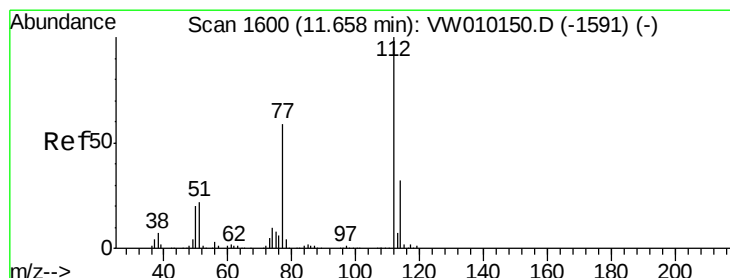
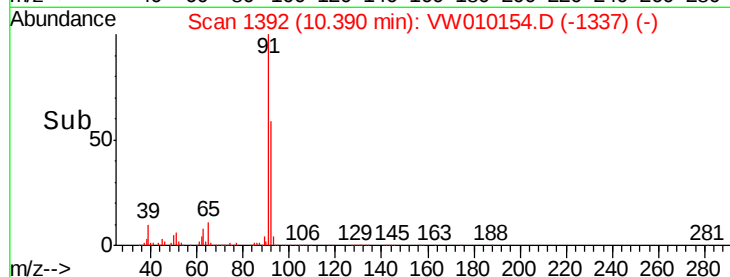
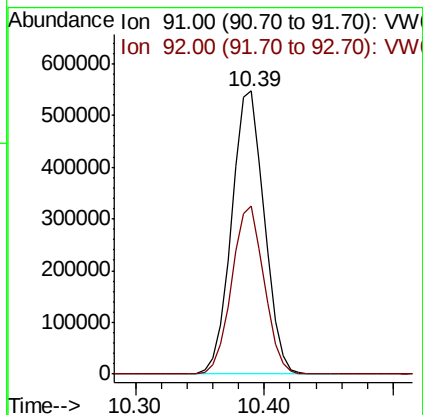
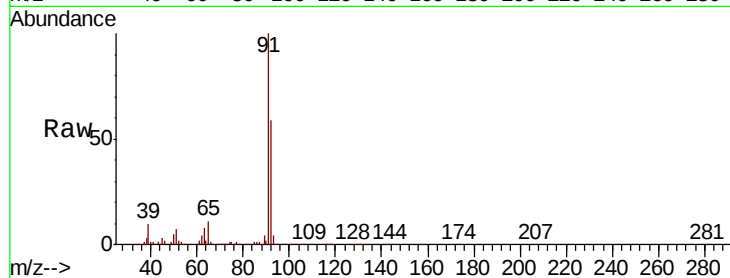
GAHW2MSD

Tgt Ion: 91 Resp: 963917

Ion Ratio Lower Upper

91 100

92 59.2 40.3 74.9



#52

Chlorobenzene

Concen: 21.642 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010154.D

Acq: 26 Apr 2019 12:35

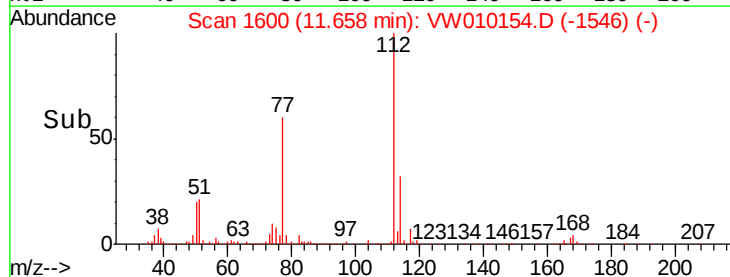
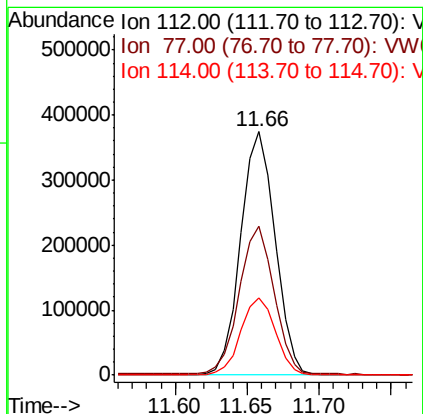
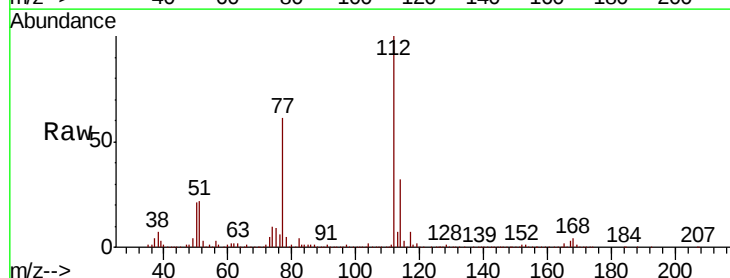
Tgt Ion: 112 Resp: 621851

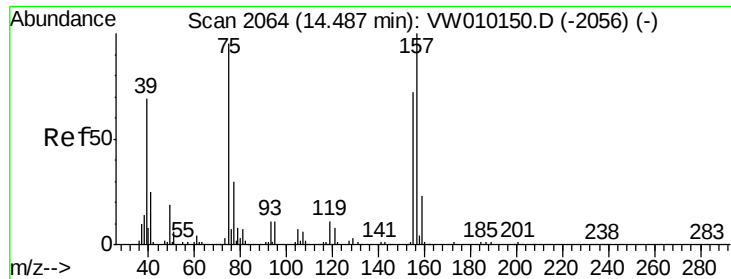
Ion Ratio Lower Upper

112 100

77 60.9 48.6 73.0

114 31.7 22.3 41.3





#66

1,2-Dibromo-3-chloropropane

Concen: 114.883 ug/L

RT: 14.54 min Scan# 2072

Delta R.T. 0.05 min

Lab File: VW010154.D

Acq: 26 Apr 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

GAHW2MSD

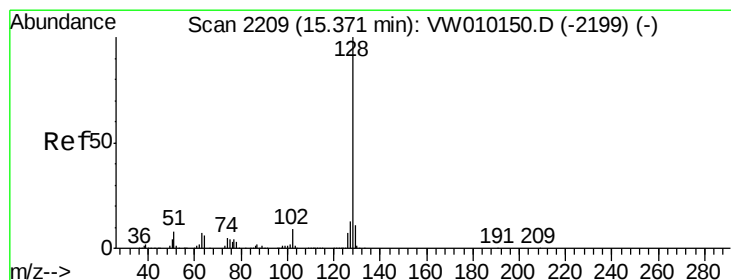
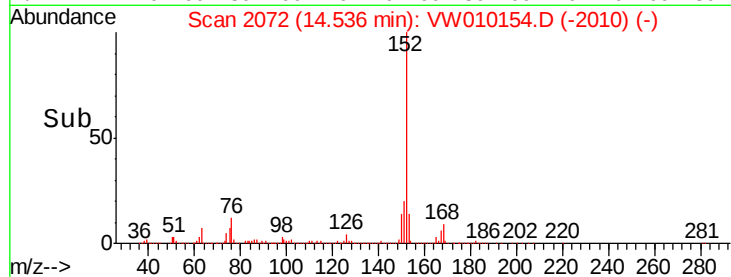
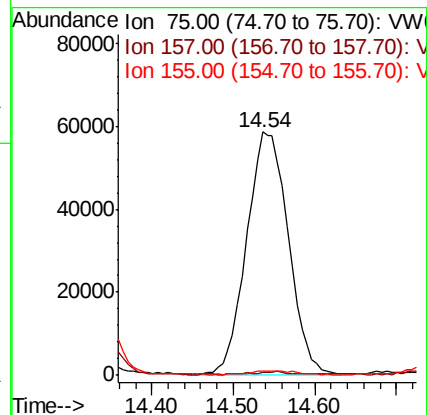
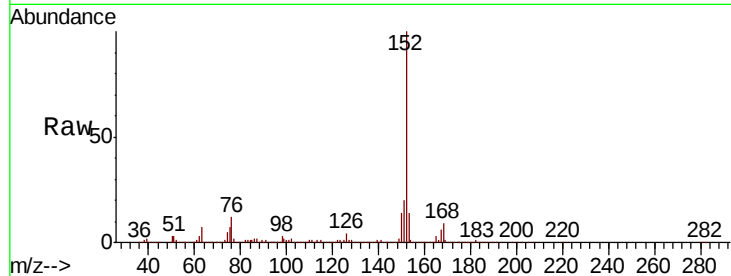
Tgt Ion: 75 Resp: 206954

Ion Ratio Lower Upper

75 100

157 1.2 78.4 117.6#

155 1.5 60.2 90.2#



#69

Naphthalene

Concen: 13.927 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010154.D

Acq: 26 Apr 2019 12:35

Tgt Ion: 128 Resp: 429971

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 12.8 10.8 16.2

