

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010142.D
 Acq On : 25 Apr 2019 14:46
 Operator : SY/VA
 Sample : K2497-06MS
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHY1MS

Quant Time: Apr 26 01:08:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 26 01:05:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	733053	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	672623	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	295713	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	144522	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
7) Chloroethane-d5	2.89	69	123890	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.60%
10) 1,1-Dichloroethene-d2	4.01	63	405947	19.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.96%
20) 2-Butanone-d5	7.07	46	125259	37.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.70%
24) Chloroform-d	7.64	84	410785	21.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	8.31	65	230284	20.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.72%
29) Benzene-d6	8.27	84	824455	21.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.56%
33) 1,2-Dichloropropane-d6	9.27	67	262282	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.32%
37) Toluene-d8	10.32	98	741924	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.76%
38) trans-1,3-Dichloropropene-	10.58	79	106480	19.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.84%
39) 2-Hexanone-d5	10.93	63	97442	39.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	202796	20.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	256832	23.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.84%

Target Compounds

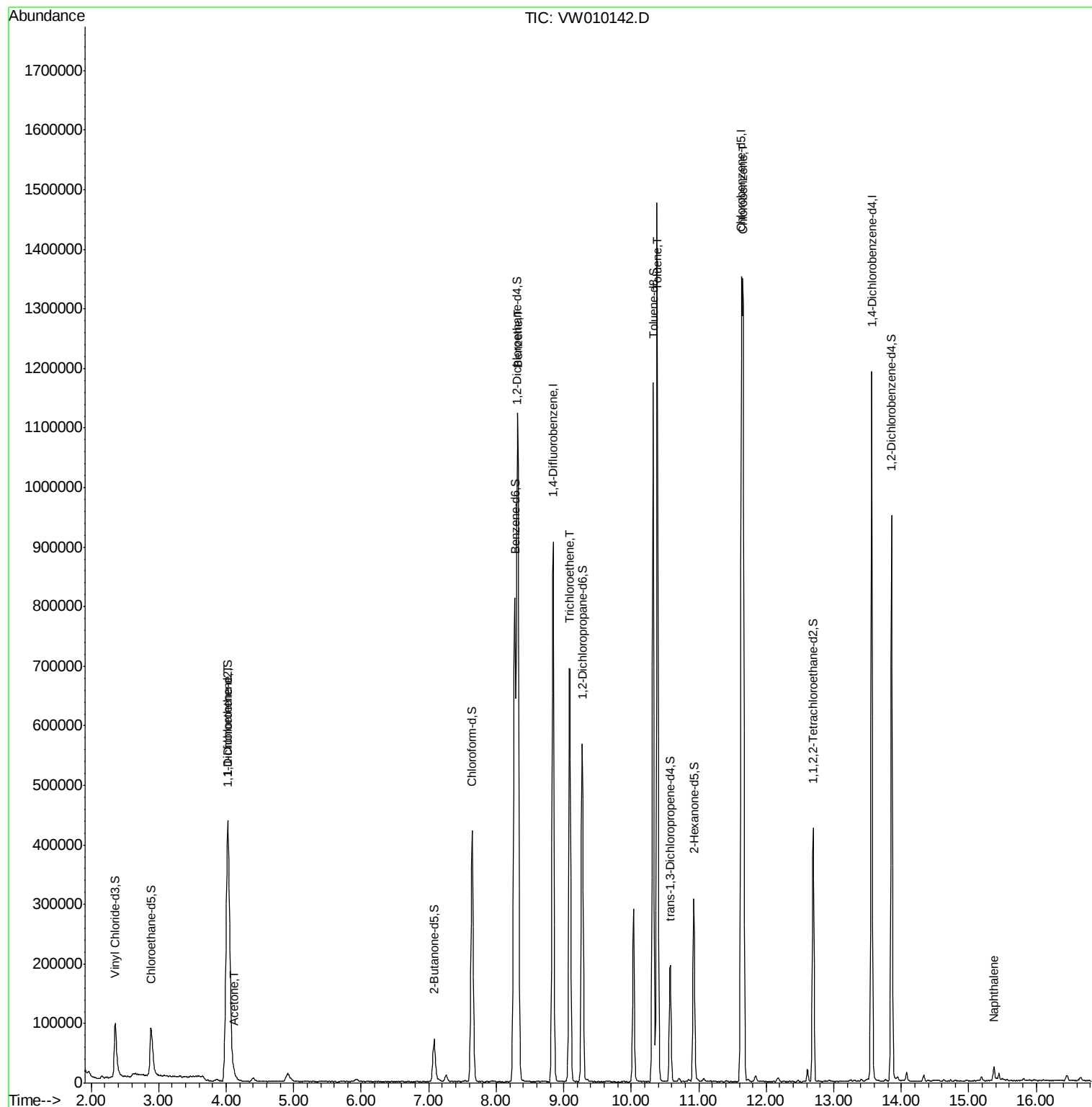
					Qvalue
12) 1,1-Dichloroethene	4.03	96	191362	20.146 ug/L	90
13) Acetone	4.12	43	5585	2.236 ug/L	97
34) Benzene	8.32	78	949376	23.205 ug/L	100
35) Trichloroethene	9.09	95	241718	22.402 ug/L	99
44) Toluene	10.38	91	1055347	24.367 ug/L	100
52) Chlorobenzene	11.66	112	644679	23.526 ug/L	98
69) Naphthalene	15.37	128	20427	0.737 ug/L	98

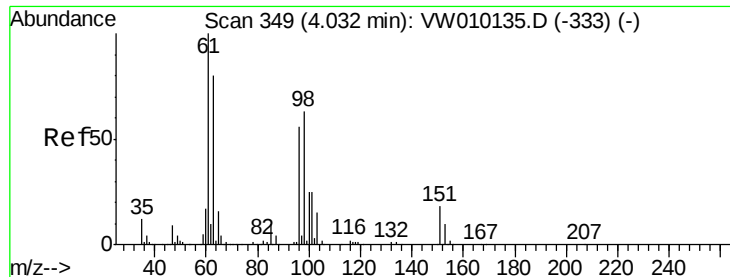
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 26 01:05:00 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.146 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010142.D

Acq: 25 Apr 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

GAHY1MS

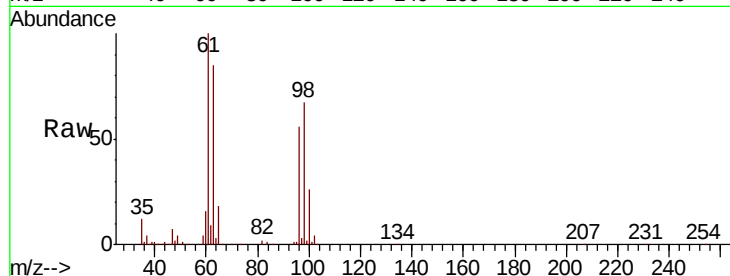
Tgt Ion: 96 Resp: 191362

Ion Ratio Lower Upper

96 100

61 178.9 135.3 251.3

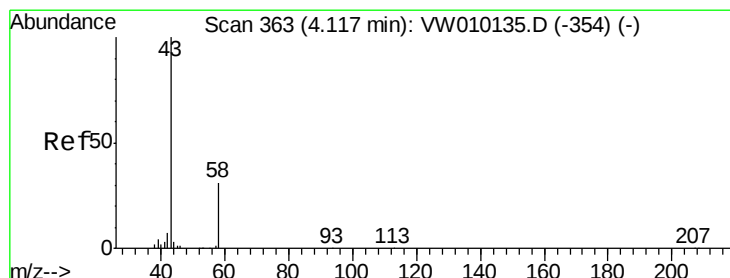
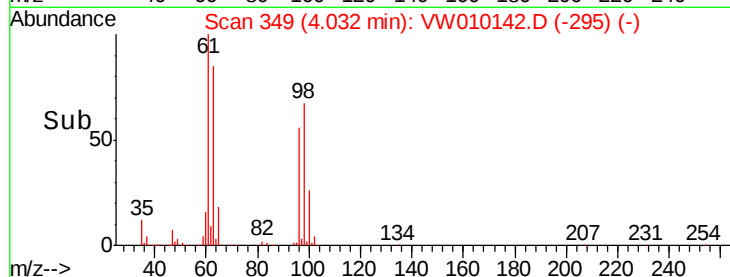
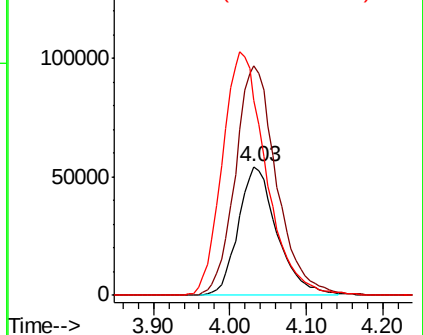
63 151.4 115.8 215.2



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: 2.236 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010142.D

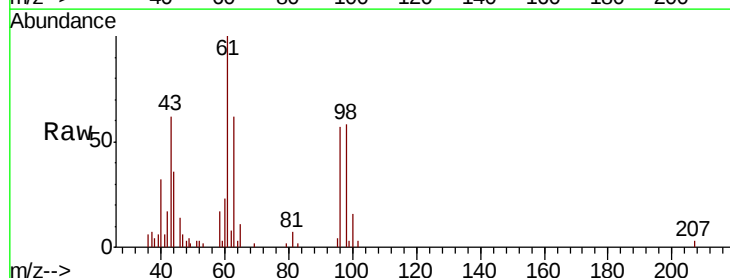
Acq: 25 Apr 2019 14:46

Tgt Ion: 43 Resp: 5585

Ion Ratio Lower Upper

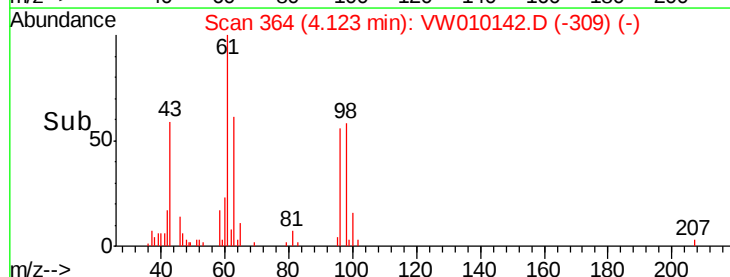
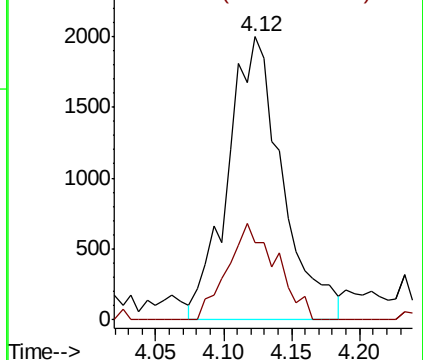
43 100

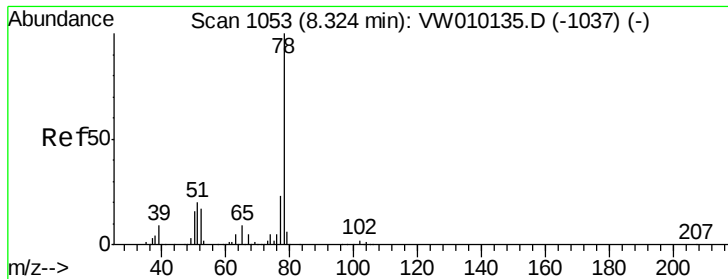
58 30.6 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#34

Benzene

Concen: 23.205 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010142.D

Acq: 25 Apr 2019 14:46

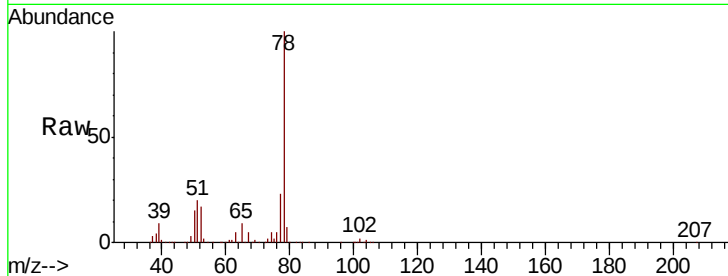
Instrument :

MSVOA_W

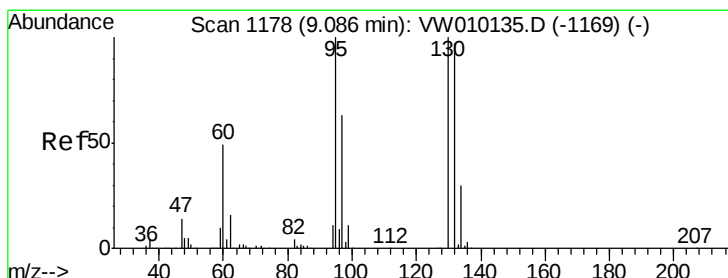
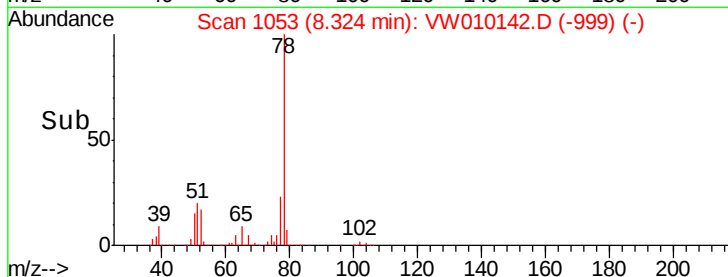
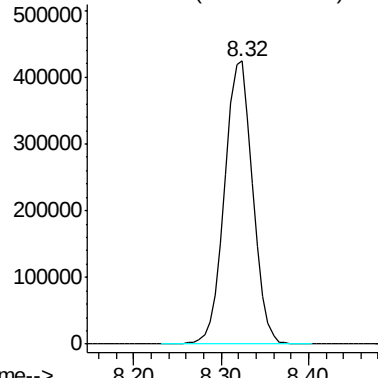
ClientSampleId :

GAHY1MS

Tgt Ion: 78 Resp: 949376



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.402 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010142.D

Acq: 25 Apr 2019 14:46

Tgt Ion: 95 Resp: 241718

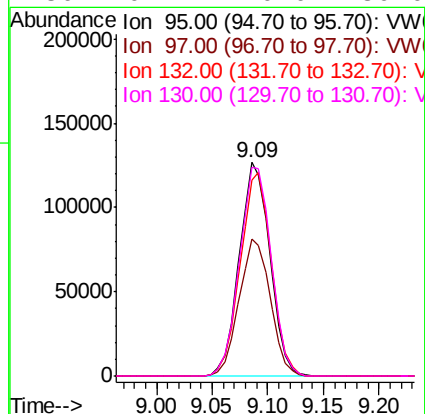
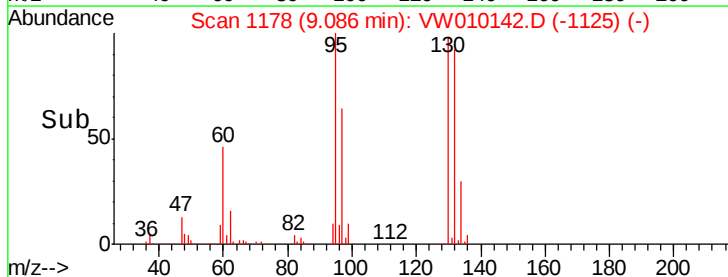
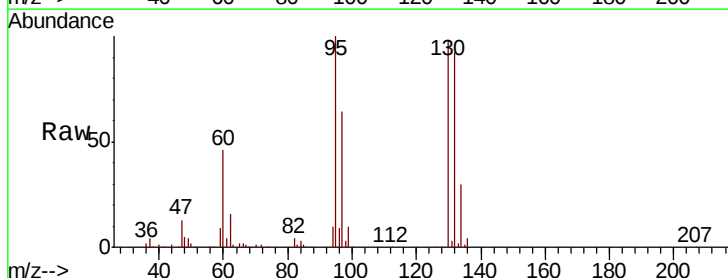
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.1	83.9
132	96.9	67.2	124.8
130	101.4	70.0	130.0

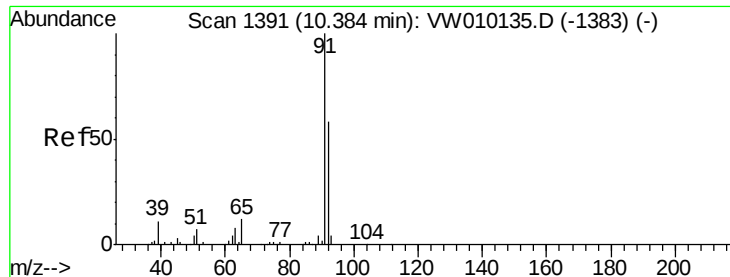
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.367 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010142.D

Acq: 25 Apr 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

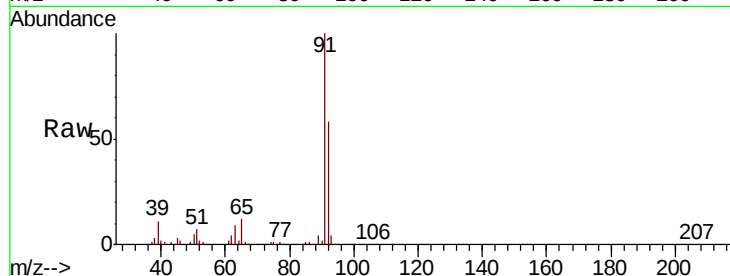
GAHY1MS

Tgt Ion: 91 Resp: 1055347

Ion Ratio Lower Upper

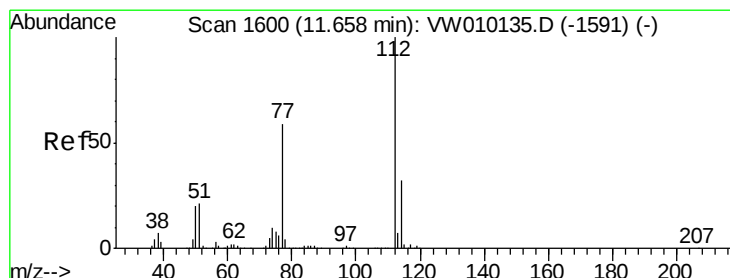
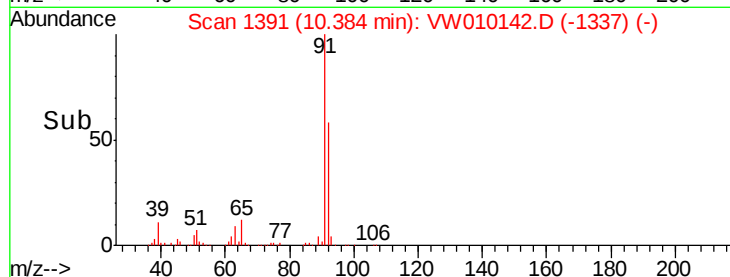
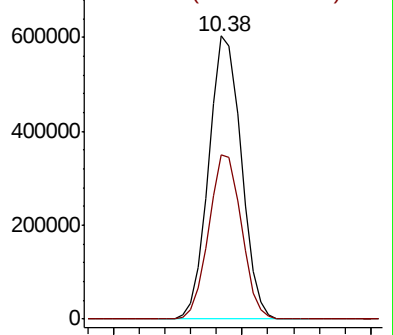
91 100

92 58.0 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#52

Chlorobenzene

Concen: 23.526 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010142.D

Acq: 25 Apr 2019 14:46

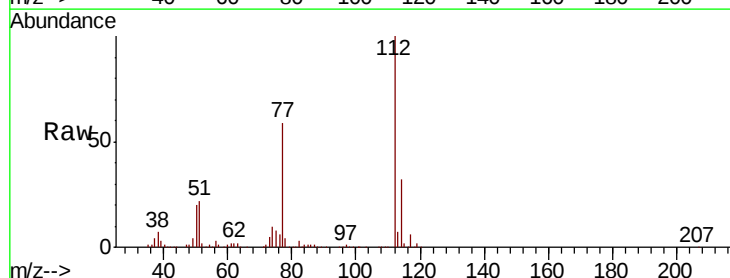
Tgt Ion: 112 Resp: 644679

Ion Ratio Lower Upper

112 100

77 58.7 48.6 73.0

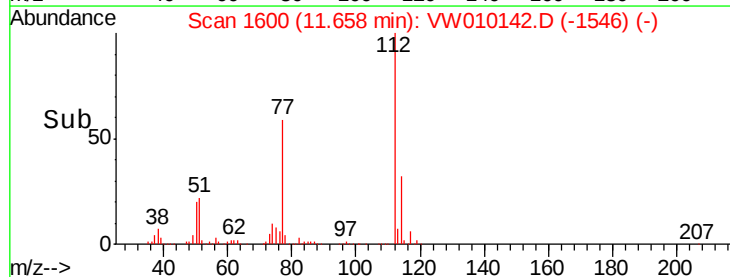
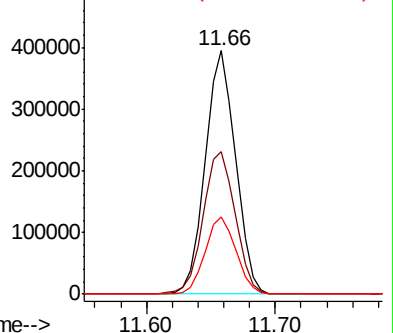
114 31.6 22.3 41.3

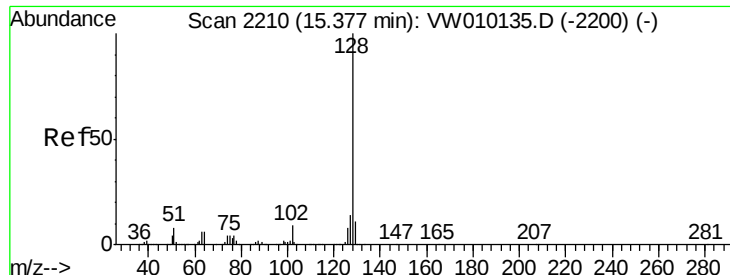


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V





#69

Naphthalene

Concen: 0.737 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010142.D

Acq: 25 Apr 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

GAHY1MS

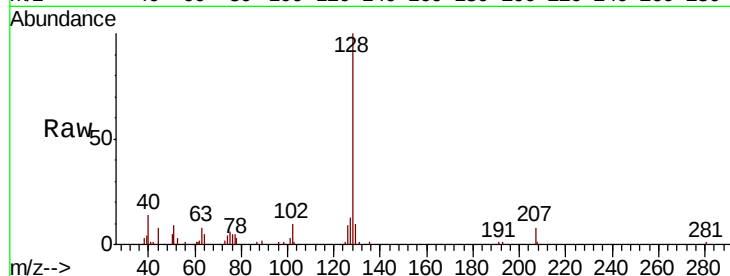
Tgt Ion:128 Resp: 20427

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

127 14.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

15000 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

