

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010134.D
 Acq On : 25 Apr 2019 09:02
 Operator : SY/VA
 Sample : K2497-07MSD
 Misc : 5.02G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHY1

Quant Time: Apr 26 00:59:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 26 00:57:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	586208	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	586739	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	249596	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	64817	11.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.28%
7) Chloroethane-d5	2.90	69	80625	17.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.64%
10) 1,1-Dichloroethene-d2	4.02	63	222475	13.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.12%
20) 2-Butanone-d5	7.08	46	87106	32.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.84%
24) Chloroform-d	7.65	84	363318	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.31	65	215545	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	679735	20.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.80%
33) 1,2-Dichloropropane-d6	9.27	67	246478	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.32	98	585237	19.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.56%
38) trans-1,3-Dichloropropene-	10.58	79	81726	17.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.48%
39) 2-Hexanone-d5	10.93	63	72171	33.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	188274	21.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	225177	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

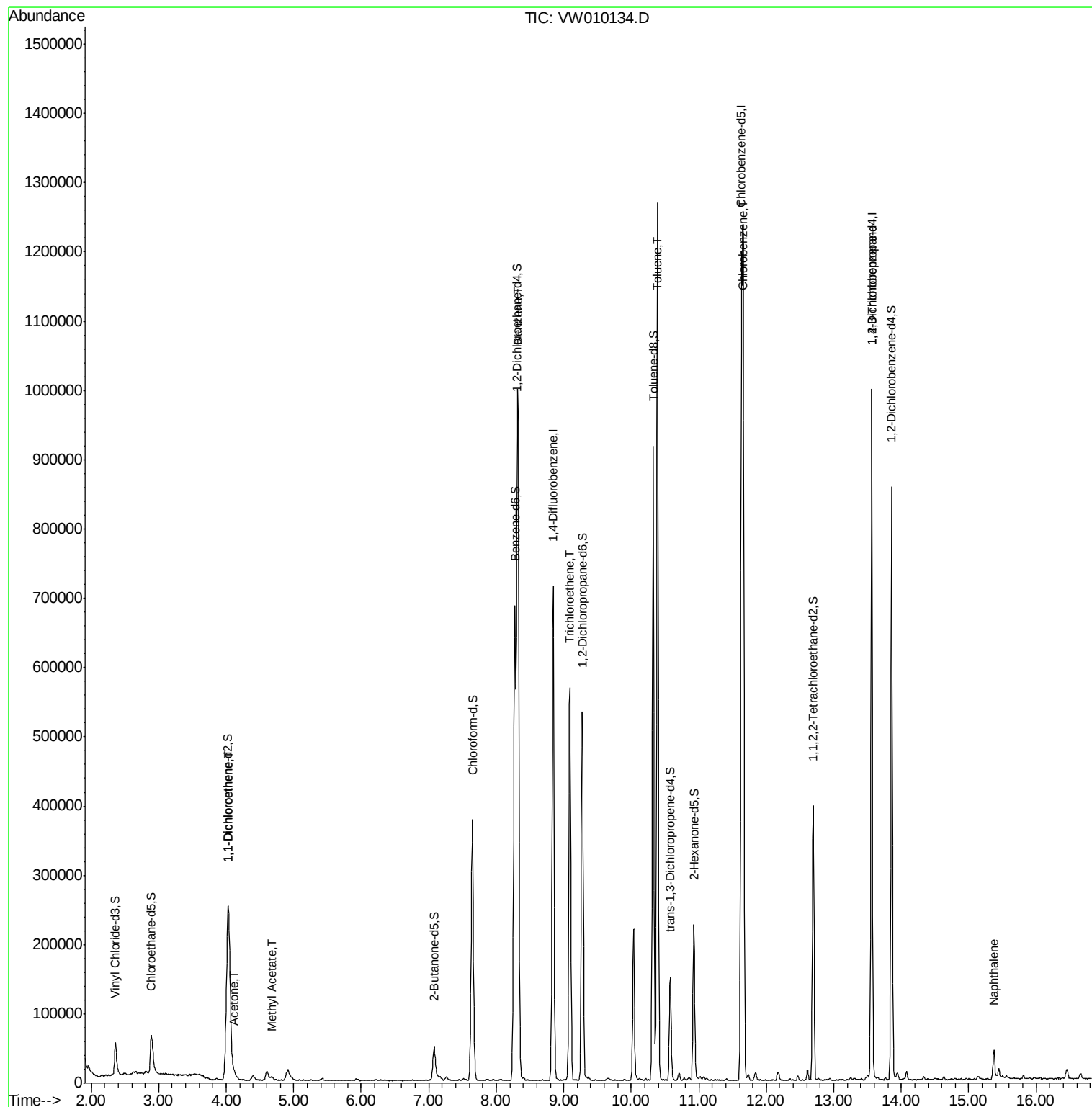
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	114456	15.068	ug/L	81
13) Acetone	4.12	43	8812	4.413	ug/L	80
15) Methyl Acetate	4.67	43	9310	1.970	ug/L #	65
34) Benzene	8.32	78	840881	23.561	ug/L	100
35) Trichloroethene	9.09	95	194062	20.618	ug/L	99
44) Toluene	10.39	91	922460	24.417	ug/L	100
52) Chlorobenzene	11.66	112	604232	25.277	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	31061	4.850	ug/L	94
69) Naphthalene	15.37	128	39079	1.670	ug/L #	95

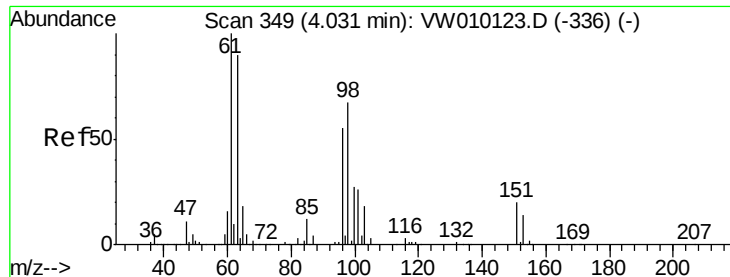
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 26 00:57:08 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 15.068 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010134.D

Acq: 25 Apr 2019 09:02

Instrument :

MSVOA_W

ClientSampled :

GAHY1

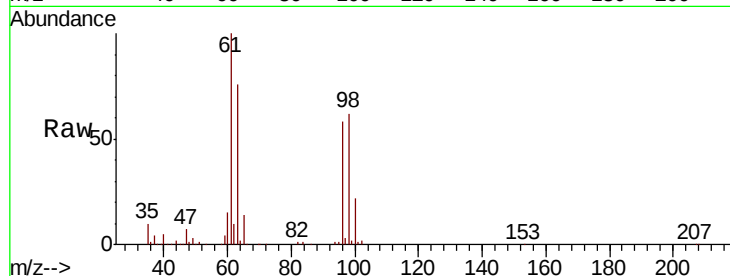
Tgt Ion: 96 Resp: 114456

Ion Ratio Lower Upper

96 100

61 173.2 135.3 251.3

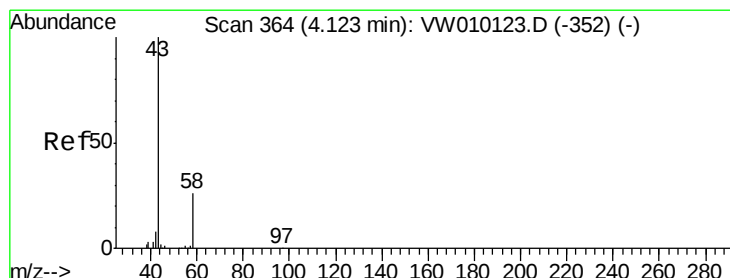
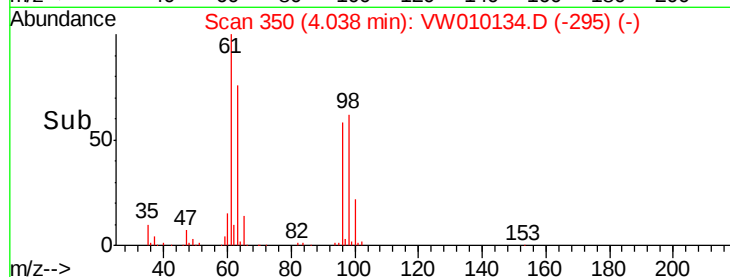
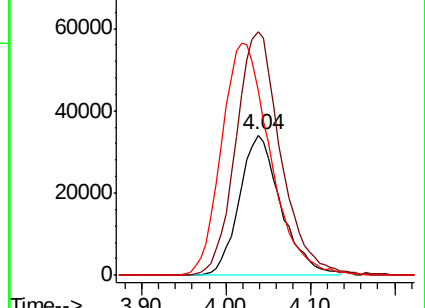
63 131.3 115.8 215.2



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: 4.413 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010134.D

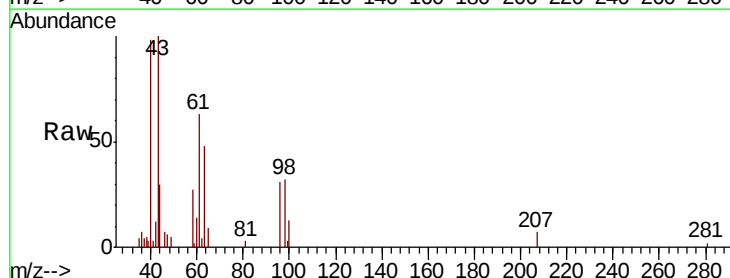
Acq: 25 Apr 2019 09:02

Tgt Ion: 43 Resp: 8812

Ion Ratio Lower Upper

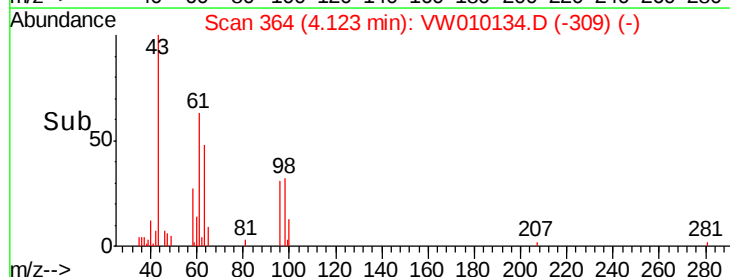
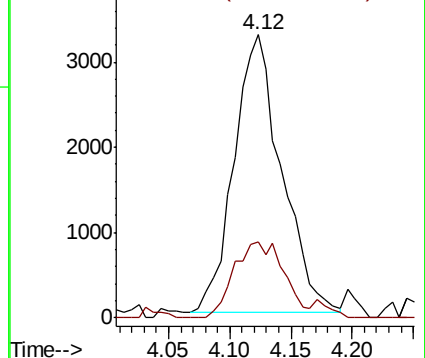
43 100

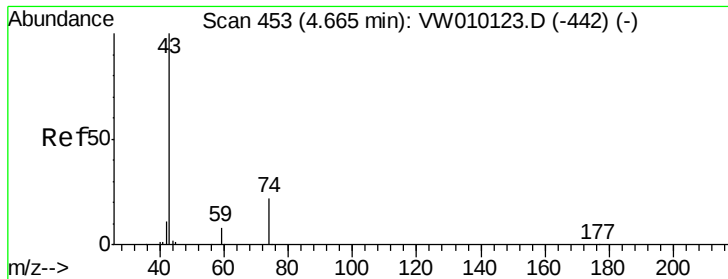
58 18.4 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

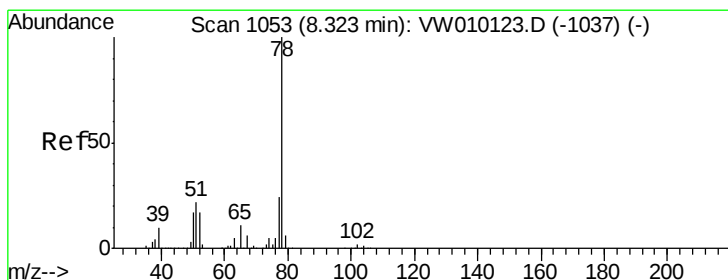
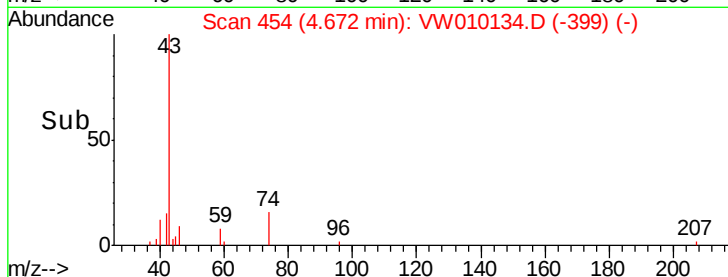
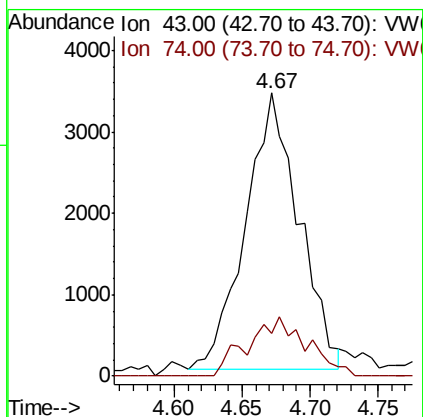
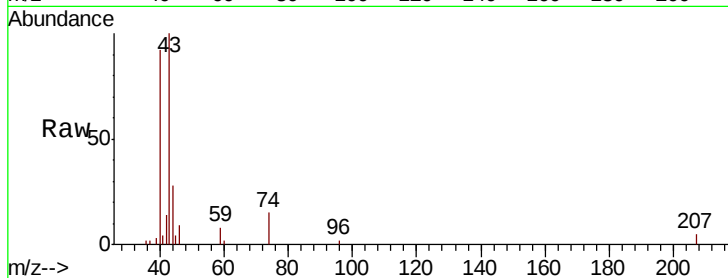




#15
Methyl Acetate
Concen: 1.970 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010134.D
Acq: 25 Apr 2019 09:02

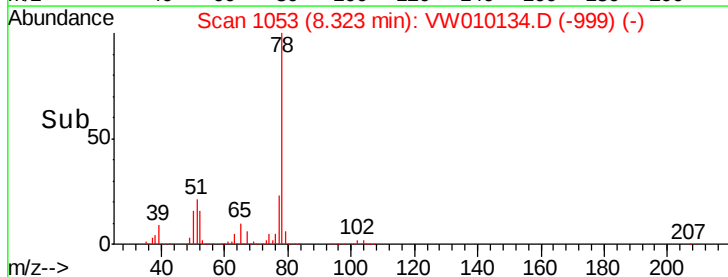
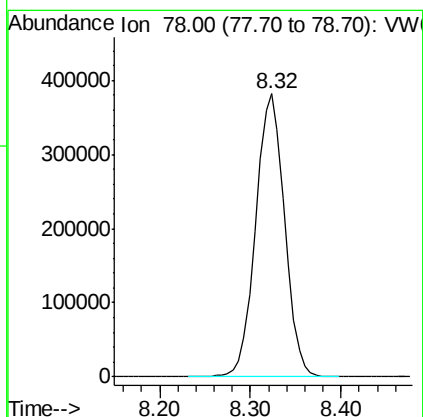
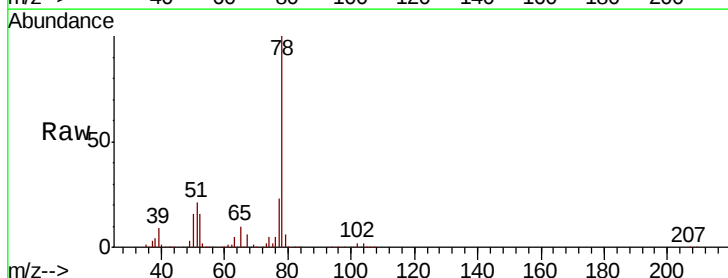
Instrument :
MSVOA_W
ClientSampleId :
GAHY1

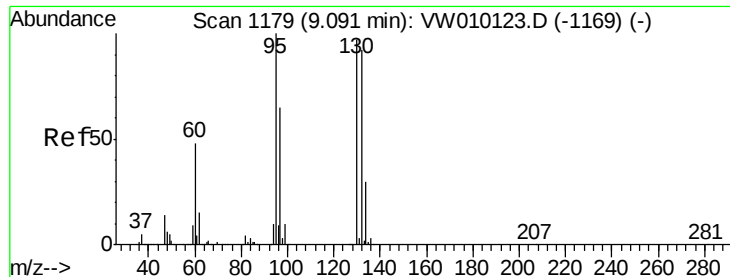
Tgt Ion: 43 Resp: 9310
Ion Ratio Lower Upper
43 100
74 4.6 16.9 25.3#



#34
Benzene
Concen: 23.561 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010134.D
Acq: 25 Apr 2019 09:02

Tgt Ion: 78 Resp: 840881





#35

Trichloroethene

Concen: 20.618 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010134.D

Acq: 25 Apr 2019 09:02

Instrument :

MSVOA_W

ClientSampleId :

GAHY1

Tgt Ion: 95 Resp: 194062

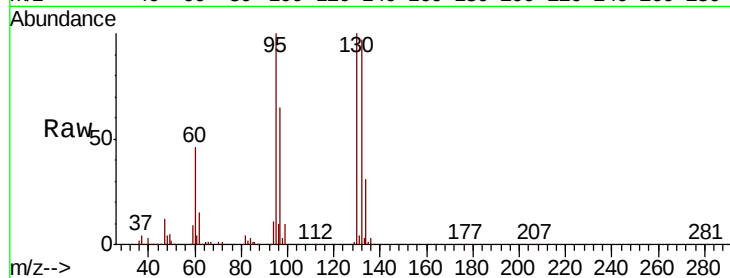
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 97.1 67.2 124.8

130 100.2 70.0 130.0



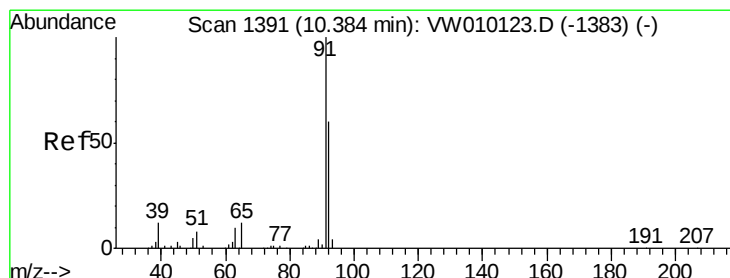
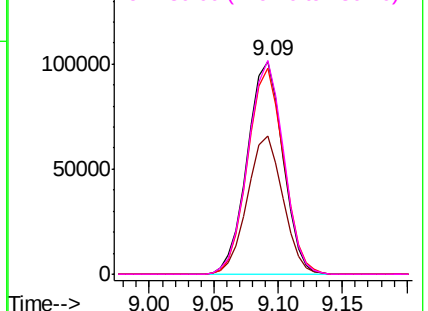
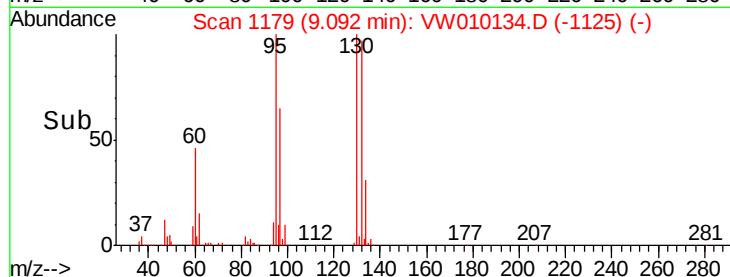
Abundance

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: 24.417 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010134.D

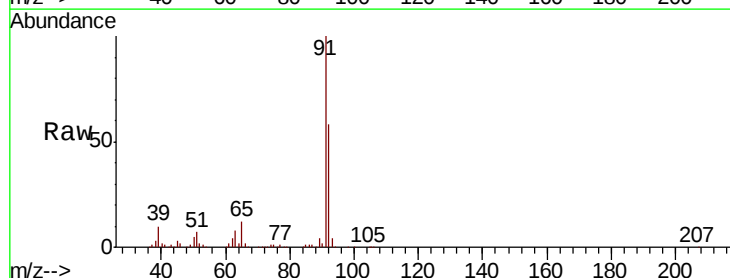
Acq: 25 Apr 2019 09:02

Tgt Ion: 91 Resp: 922460

Ion Ratio Lower Upper

91 100

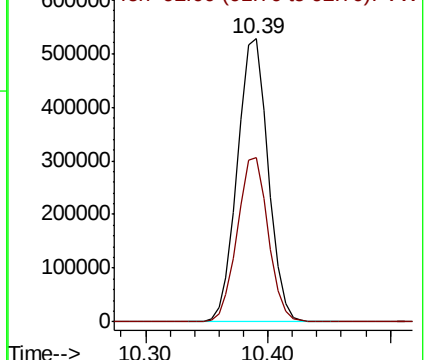
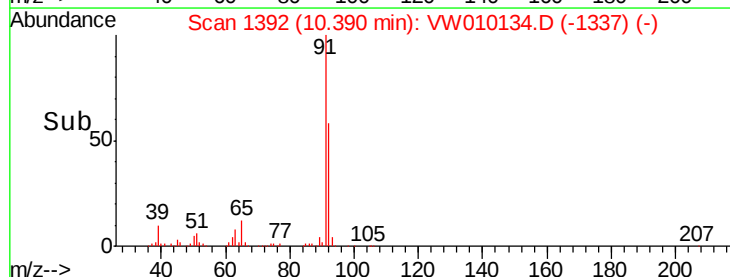
92 57.9 40.3 74.9

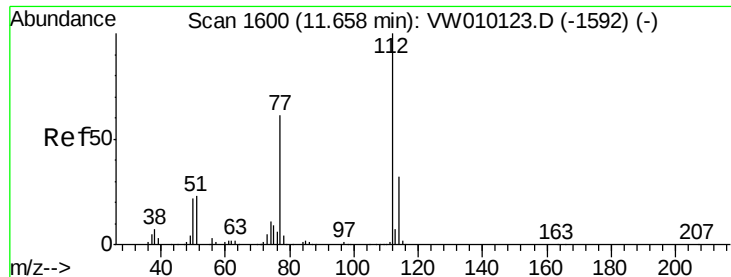


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 25.277 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010134.D

Acq: 25 Apr 2019 09:02

Instrument :

MSVOA_W

ClientSampleId :

GAHY1

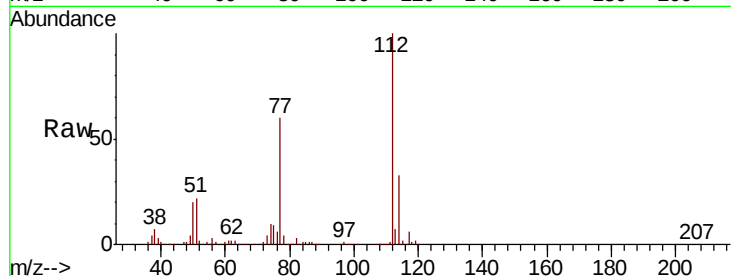
Tgt Ion: 112 Resp: 604232

Ion Ratio Lower Upper

112 100

77 60.2 48.6 73.0

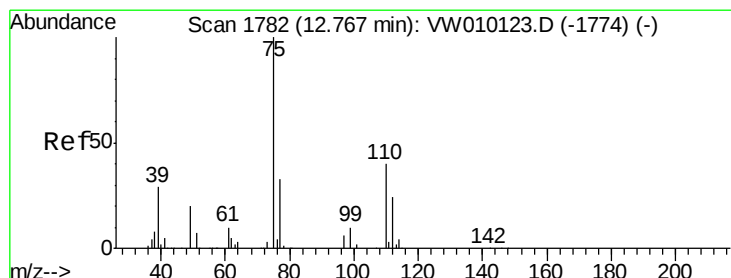
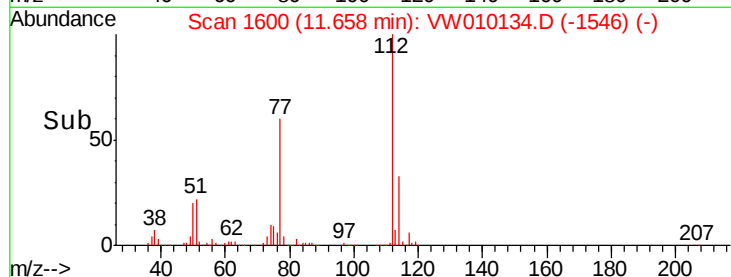
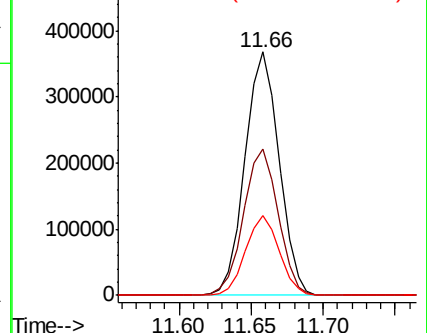
114 32.8 22.3 41.3



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



#59

1,2,3-Trichloropropane

Concen: 4.850 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW010134.D

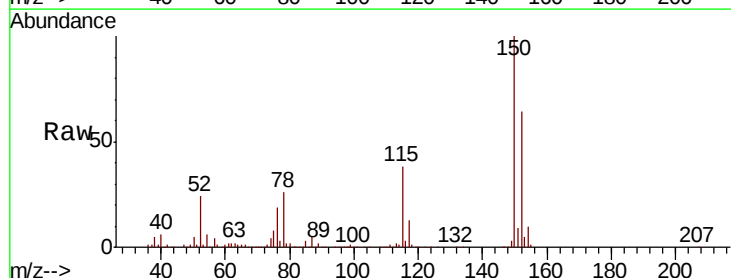
Acq: 25 Apr 2019 09:02

Tgt Ion: 75 Resp: 31061

Ion Ratio Lower Upper

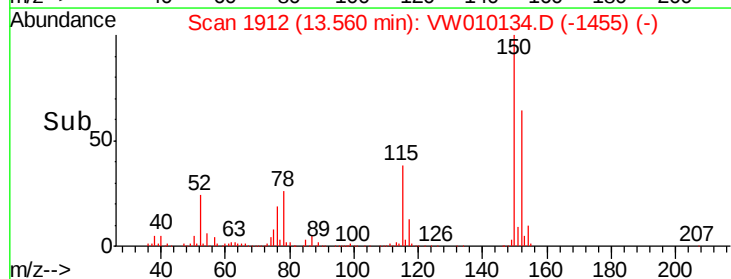
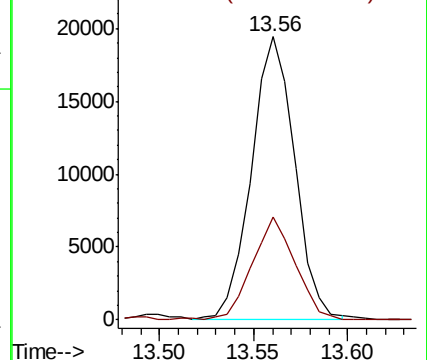
75 100

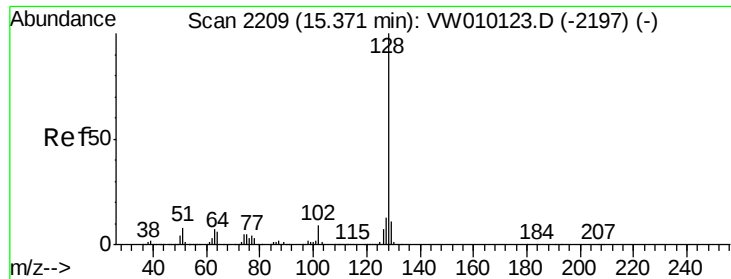
77 35.8 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#69

Naphthalene

Concen: 1.670 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

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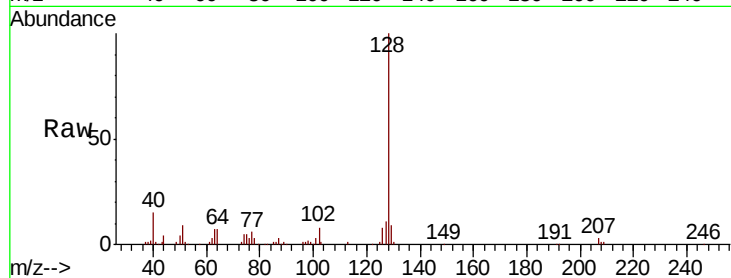
Tgt Ion:128 Resp: 39079

Ion Ratio Lower Upper

128 100

129 6.8 8.6 13.0#

127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

