

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010143.D
 Acq On : 25 Apr 2019 15:14
 Operator : SY/VA
 Sample : K2497-07MSD
 Misc : 5.06G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHY1MSD

Quant Time: Apr 26 01:08:20 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	594129	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	560450	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	249833	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	121504	21.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.56%
7) Chloroethane-d5	2.89	69	99756	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
10) 1,1-Dichloroethene-d2	4.01	63	341954	20.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.08%
20) 2-Butanone-d5	7.08	46	109704	40.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.80%
24) Chloroform-d	7.65	84	351452	22.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	8.31	65	202657	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.64%
29) Benzene-d6	8.27	84	709864	22.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.44%
33) 1,2-Dichloropropane-d6	9.27	67	225749	22.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.24%
37) Toluene-d8	10.32	98	638063	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.52%
38) trans-1,3-Dichloropropene-	10.58	79	93294	20.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.84%
39) 2-Hexanone-d5	10.93	63	86808	41.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177976	21.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	230170	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

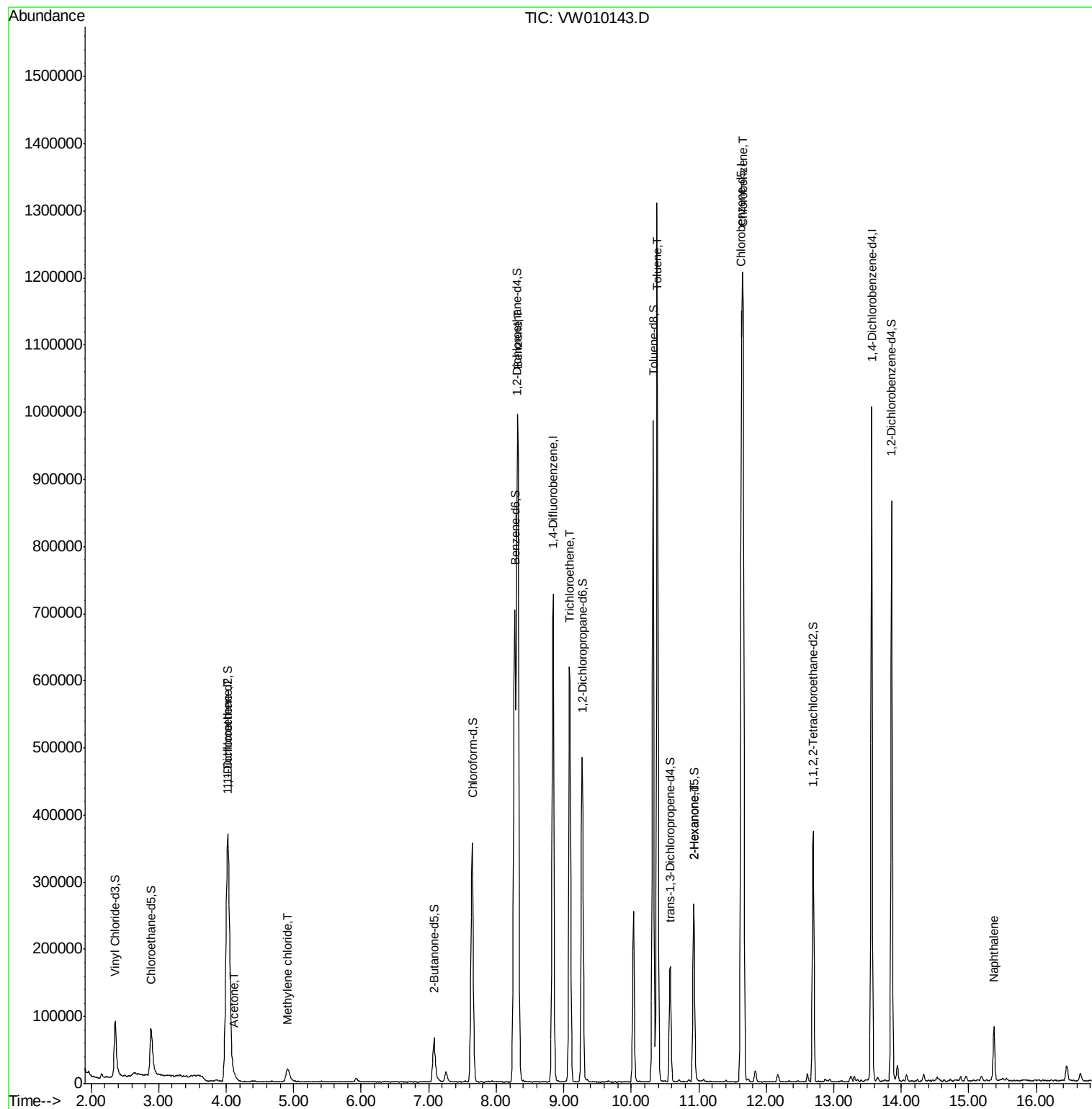
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	169347	21.997	ug/L	85
13) Acetone	4.12	43	5802	2.867	ug/L	78
16) Methylene chloride	4.91	84	18578	2.231	ug/L	87
34) Benzene	8.32	78	842499	24.714	ug/L	100
35) Trichloroethene	9.09	95	210512	23.414	ug/L	98
44) Toluene	10.38	91	941243	26.083	ug/L	99
49) 2-Hexanone	10.92	43	12493	2.608	ug/L #	68
52) Chlorobenzene	11.66	112	586224	25.674	ug/L	99
69) Naphthalene	15.37	128	68160	2.910	ug/L	98

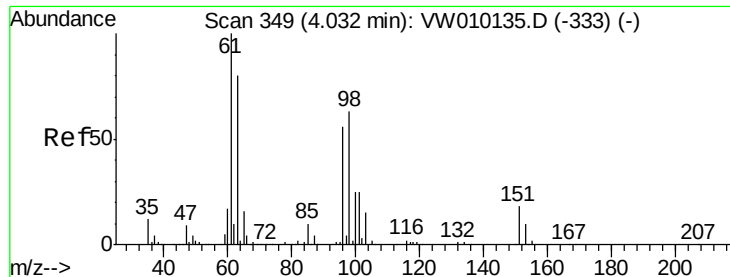
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GAHY1MSD

Quant Time: Apr 26 01:08:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 01:05:00 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 21.997 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010143.D

Acq: 25 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

GAHY1MSD

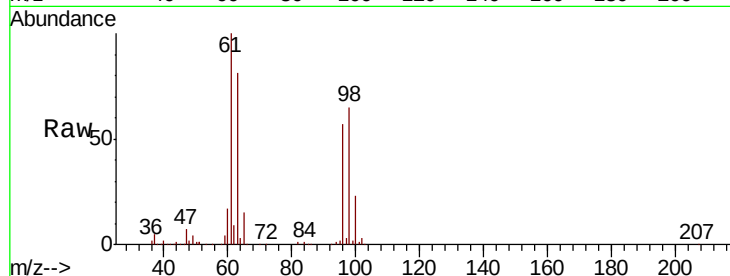
Tgt Ion: 96 Resp: 169347

Ion Ratio Lower Upper

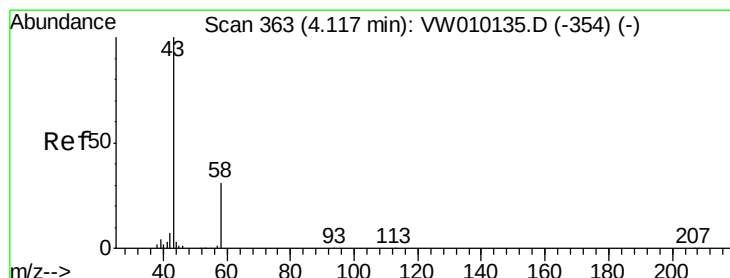
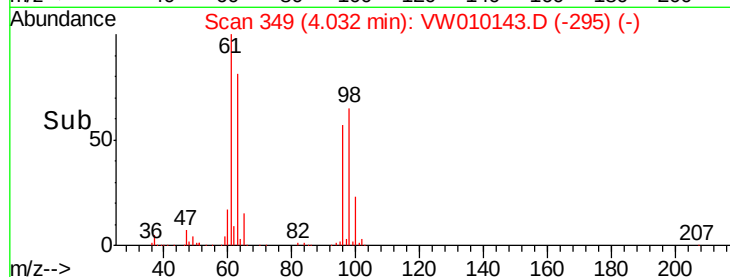
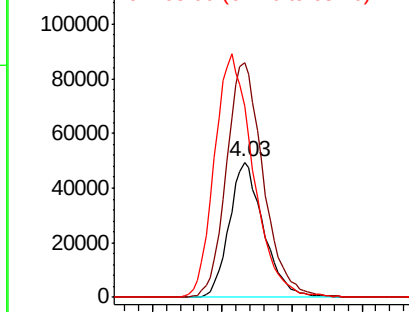
96 100

61 174.4 135.3 251.3

63 141.4 115.8 215.2



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: 2.867 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010143.D

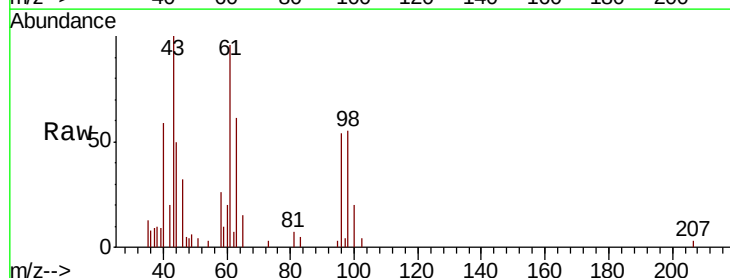
Acq: 25 Apr 2019 15:14

Tgt Ion: 43 Resp: 5802

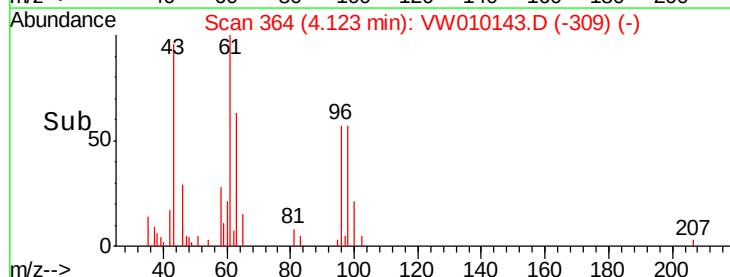
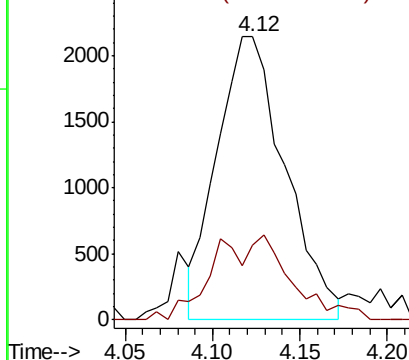
Ion Ratio Lower Upper

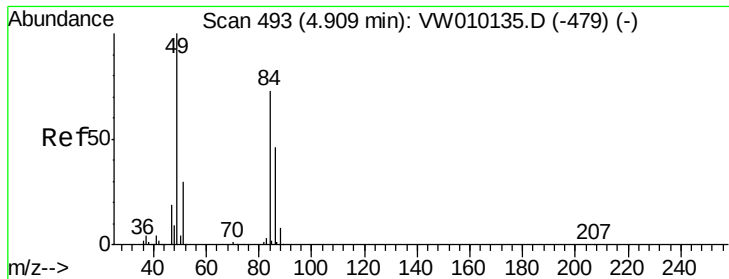
43 100

58 17.3 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

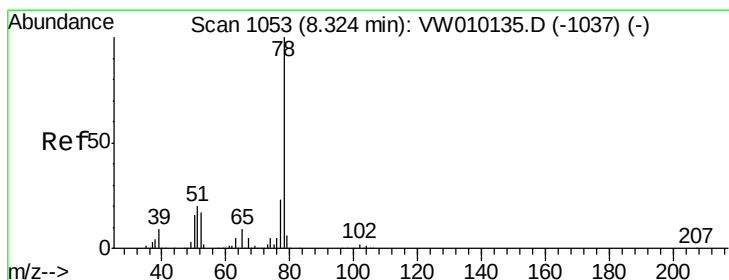
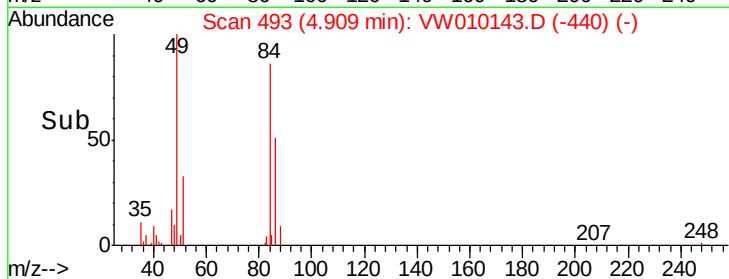
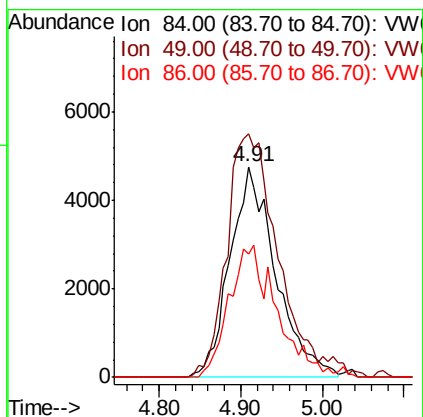
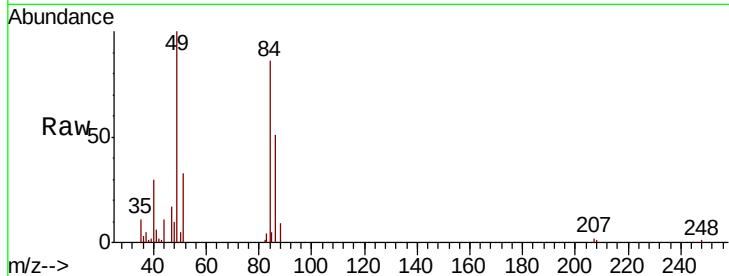




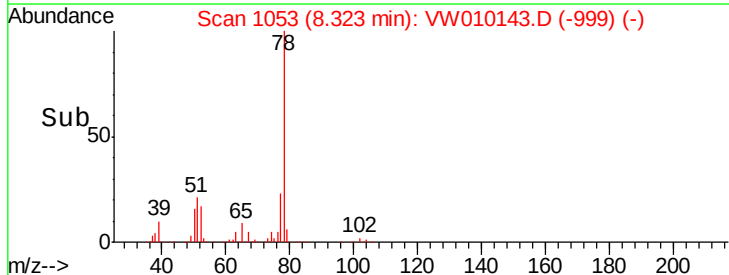
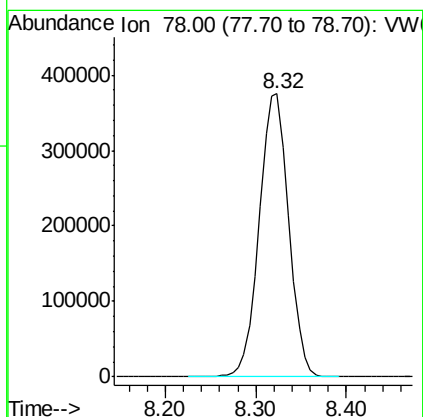
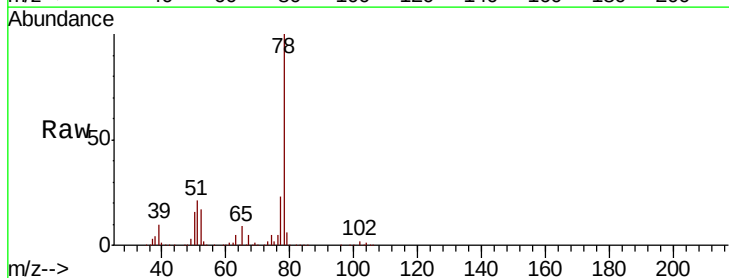
#16
Methylene chloride
Concen: 2.231 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010143.D
Acq: 25 Apr 2019 15:14

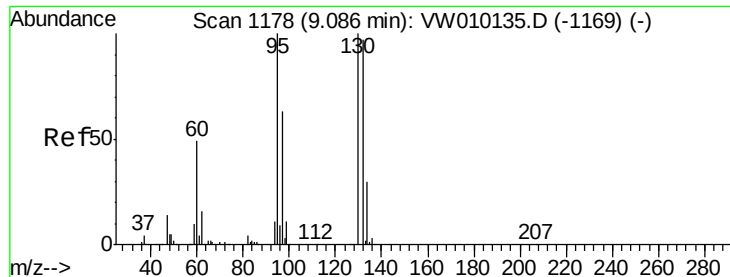
Instrument :
MSVOA_W
ClientSampleId :
GAHY1MSD

Tgt Ion: 84 Resp: 18578
Ion Ratio Lower Upper
84 100
49 115.6 93.5 173.7
86 58.5 44.9 83.5



#34
Benzene
Concen: 24.714 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010143.D
Acq: 25 Apr 2019 15:14
Tgt Ion: 78 Resp: 842499





#35

Trichloroethene

Concen: 23.414 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010143.D

Acq: 25 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

GAHY1MSD

Tgt Ion: 95 Resp: 210512

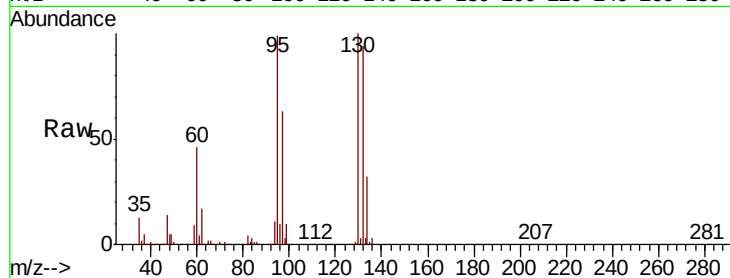
Ion Ratio Lower Upper

95 100

97 66.4 45.1 83.9

132 97.6 67.2 124.8

130 102.3 70.0 130.0

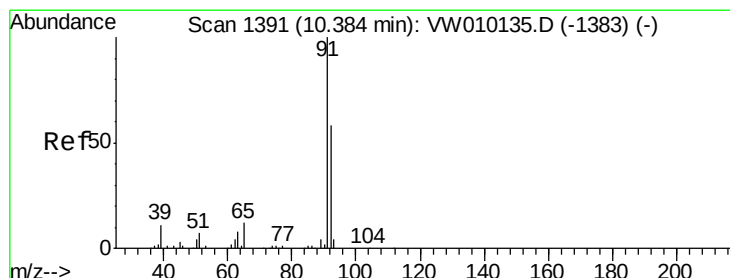
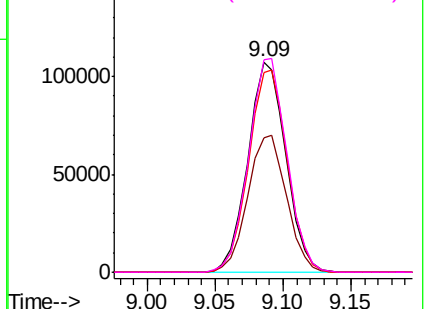
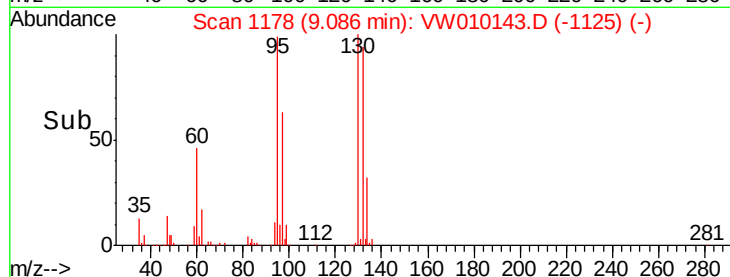


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.083 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010143.D

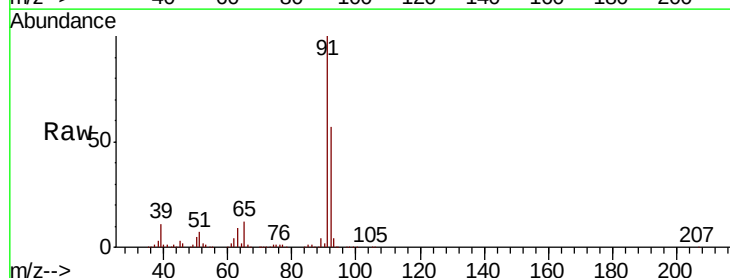
Acq: 25 Apr 2019 15:14

Tgt Ion: 91 Resp: 941243

Ion Ratio Lower Upper

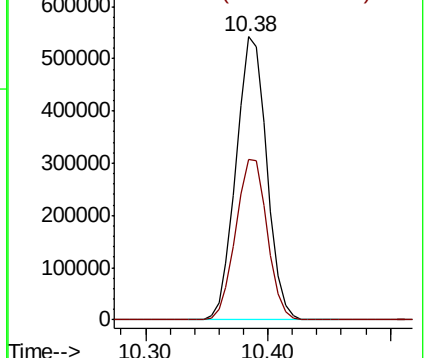
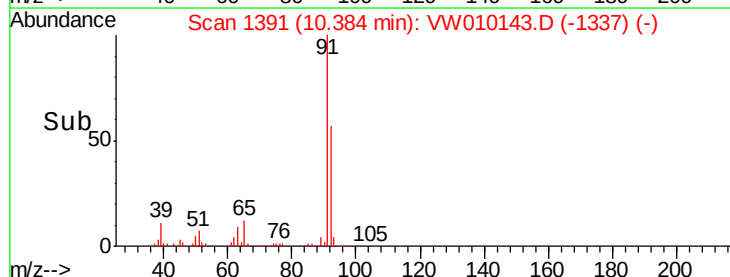
91 100

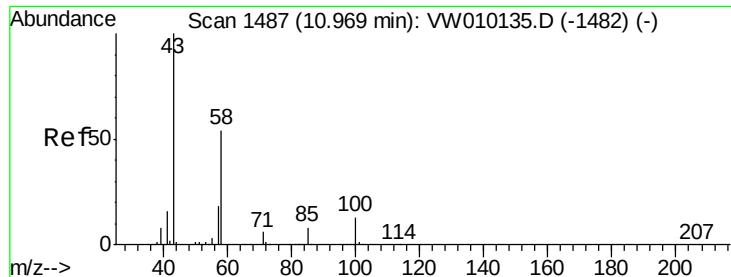
92 56.7 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#49

2-Hexanone

Concen: 2.608 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW010143.D

Acq: 25 Apr 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

GAHY1MSD

Tgt Ion: 43 Resp: 12493

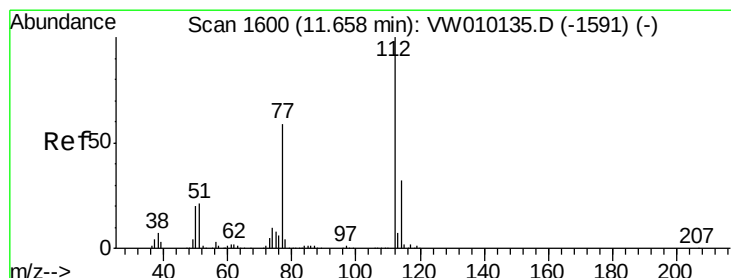
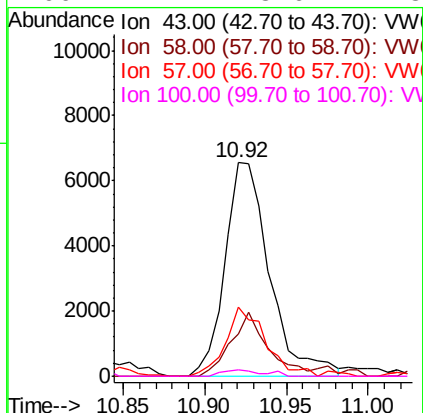
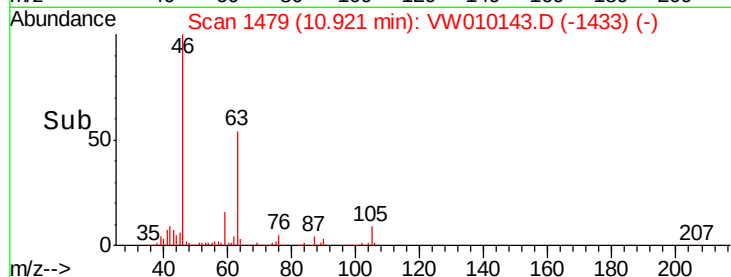
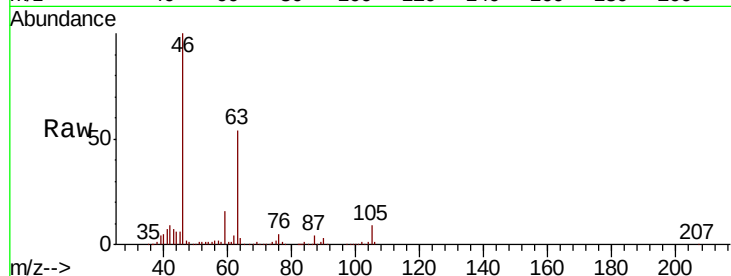
Ion Ratio Lower Upper

43 100

58 24.7 39.9 59.9#

57 28.1 14.3 21.5#

100 2.1 8.6 12.8#



#52

Chlorobenzene

Concen: 25.674 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010143.D

Acq: 25 Apr 2019 15:14

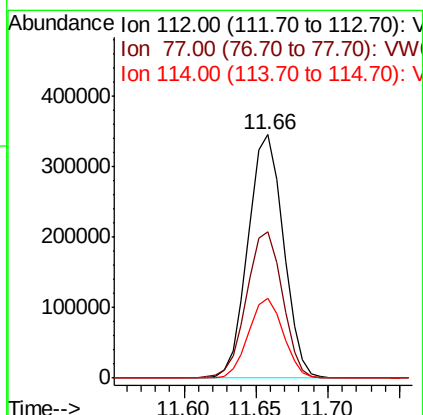
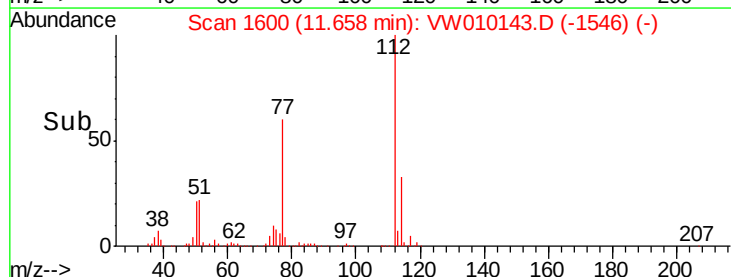
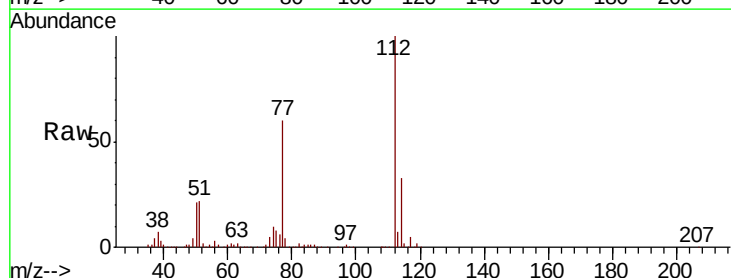
Tgt Ion: 112 Resp: 586224

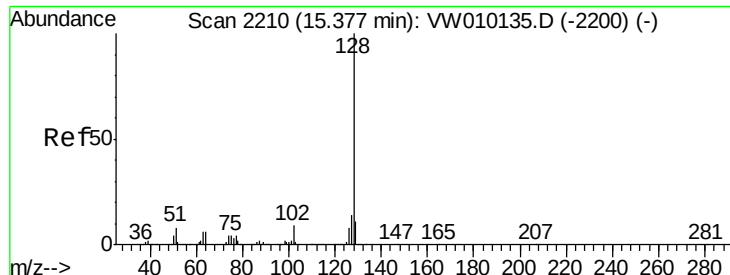
Ion Ratio Lower Upper

112 100

77 60.0 48.6 73.0

114 33.0 22.3 41.3





#69

Naphthalene

Concen: 2.910 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010143.D

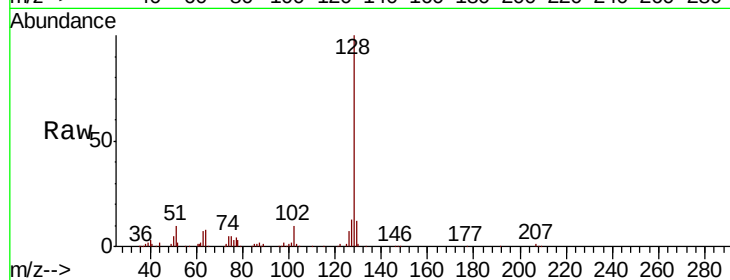
Acq: 25 Apr 2019 15:14

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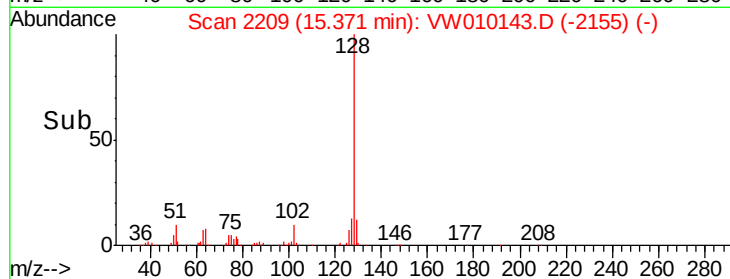
Tgt Ion:128 Resp: 68160

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

127 13.9 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

