

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042219\
 Data File : VW010081.D
 Acq On : 22 Apr 2019 14:13
 Operator : SY/VA
 Sample : K2455-09
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ9

Quant Time: Apr 23 06:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 06:06:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	764244	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	674396	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	253121	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153543	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
7) Chloroethane-d5	2.89	69	131317	17.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.80%
10) 1,1-Dichloroethene-d2	4.01	63	331391	16.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.20%
20) 2-Butanone-d5	7.07	46	139330	35.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.32%
24) Chloroform-d	7.65	84	456503	20.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.64%
26) 1,2-Dichloroethane-d4	8.46	65	115	0.01	ug/L	0.16
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	862810	23.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.12%
33) 1,2-Dichloropropane-d6	9.27	67	272494	23.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.32%
37) Toluene-d8	10.32	98	738364	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.36%
38) trans-1,3-Dichloropropene-	10.58	79	114193	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.60%
39) 2-Hexanone-d5	10.93	63	103165	39.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	200229	18.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	200277	21.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.20%

Target Compounds

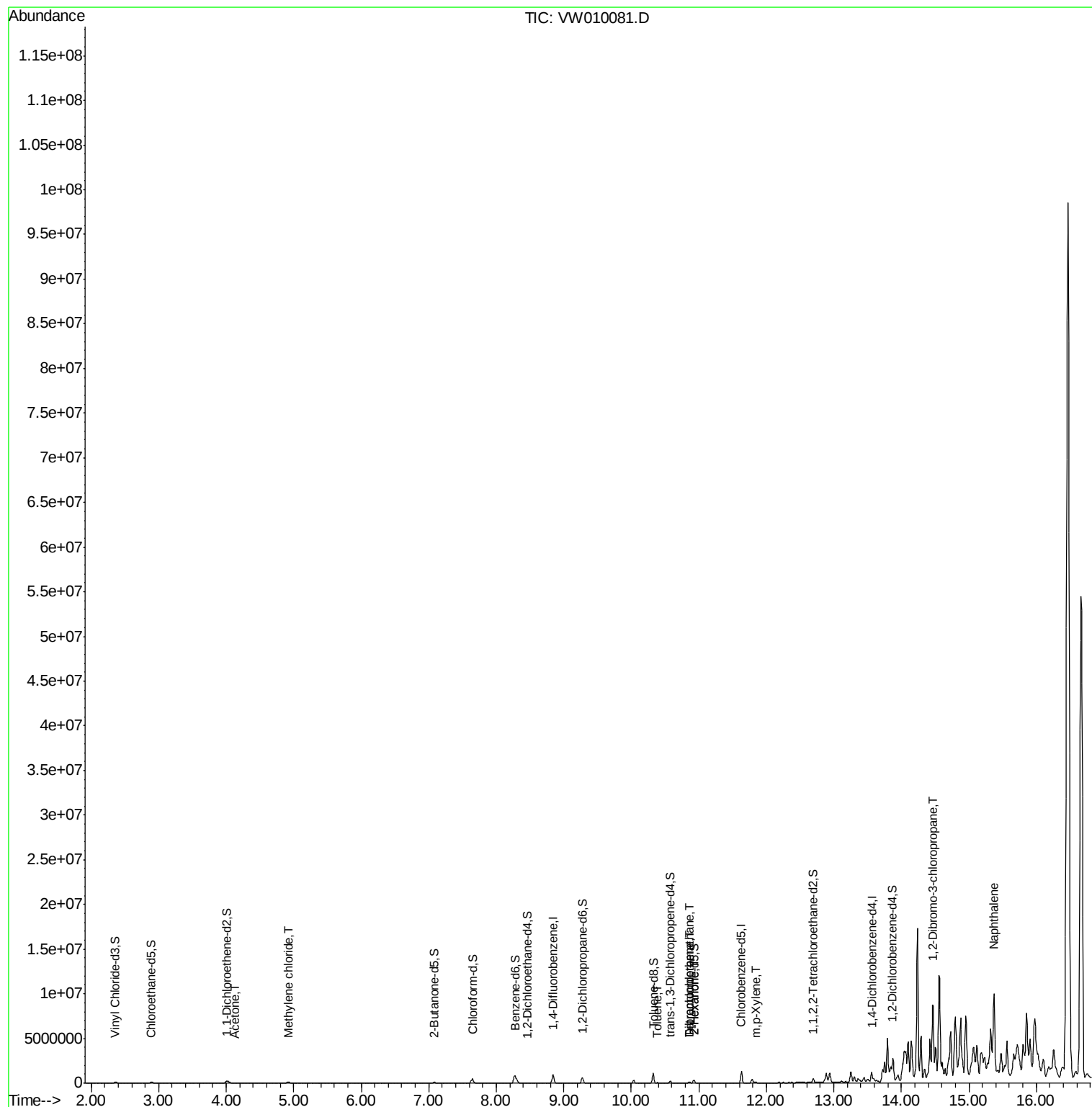
					Qvalue
13) Acetone	4.12	43	10330	2.973	ug/L 96
16) Methylene chloride	4.91	84	74267	5.367	ug/L 96
44) Toluene	10.38	91	43338	1.028	ug/L 98
47) Tetrachloroethene	10.86	164	29635	3.673	ug/L 98
49) 2-Hexanone	10.93	43	16246	2.643	ug/L # 66
50) Dibromochloromethane	10.86	129	29503	3.033	ug/L # 11
54) m,p-Xylene	11.83	106	10445	0.606	ug/L 95
66) 1,2-Dibromo-3-chloropropan	14.47	75	113340	74.638	ug/L # 8
69) Naphthalene	15.37	128	6362889	323.066	ug/L # 94

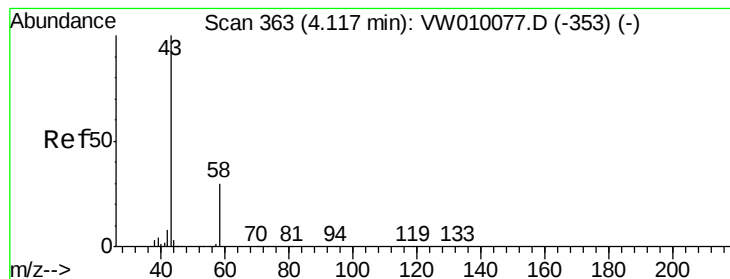
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Apr 23 06:06:04 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.973 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

Instrument :

MSVOA_W

ClientSampled :

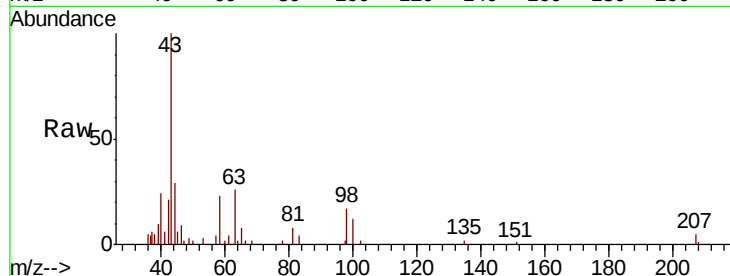
GAHQ9

Tgt Ion: 43 Resp: 10330

Ion Ratio Lower Upper

43 100

58 25.8 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4000

3000

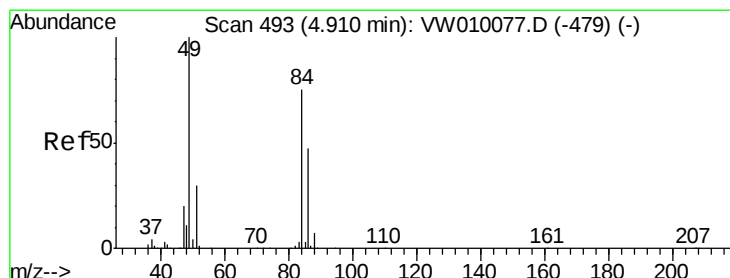
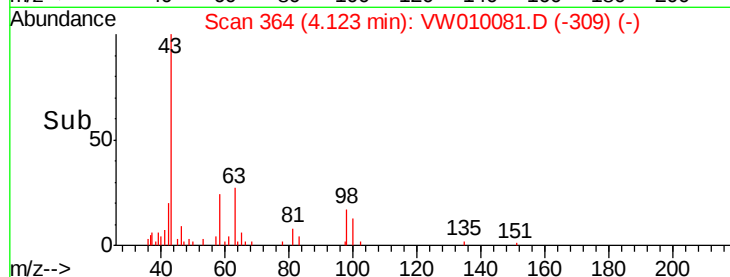
2000

1000

0

4.05 4.10 4.15 4.20

Time-->



#16

Methylene chloride

Concen: 5.367 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

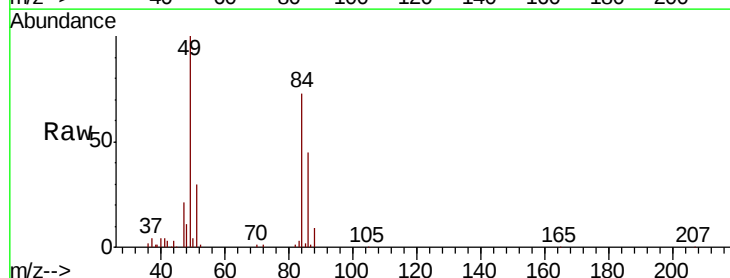
Tgt Ion: 84 Resp: 74267

Ion Ratio Lower Upper

84 100

49 137.3 100.7 187.1

86 61.2 43.8 81.3



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

4.91

30000

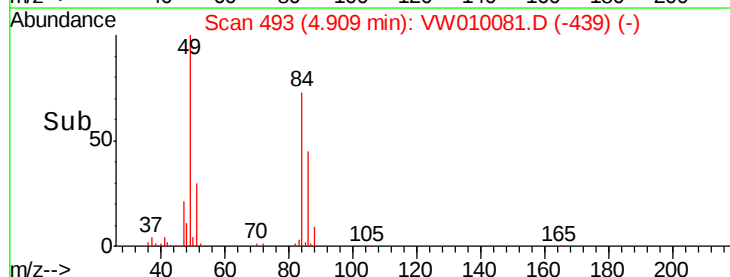
20000

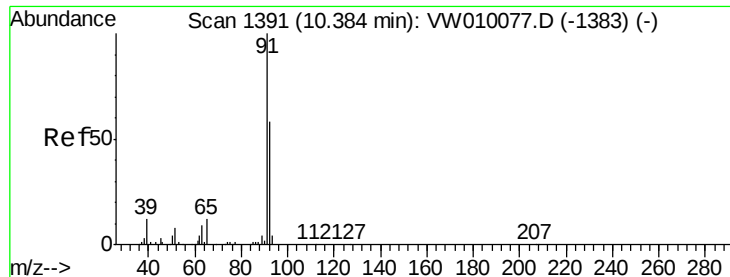
10000

0

4.80 4.90 5.00

Time-->





#44

Toluene

Concen: 1.028 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

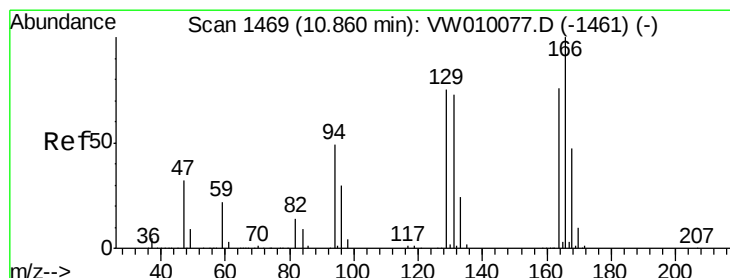
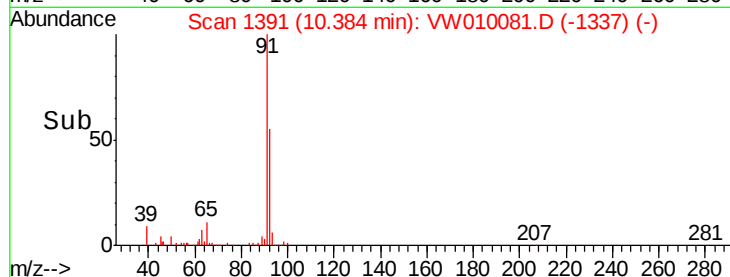
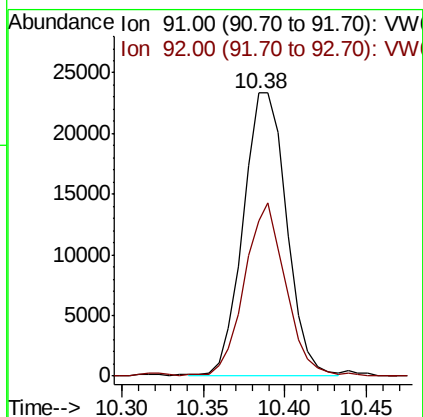
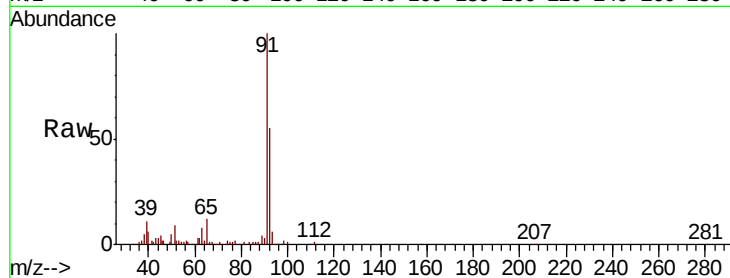
GAHQ9

Tgt Ion: 91 Resp: 43338

Ion Ratio Lower Upper

91 100

92 55.1 39.8 74.0



#47

Tetrachloroethene

Concen: 3.673 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

Tgt Ion: 164 Resp: 29635

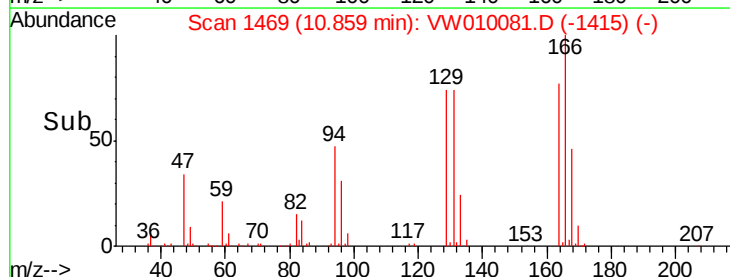
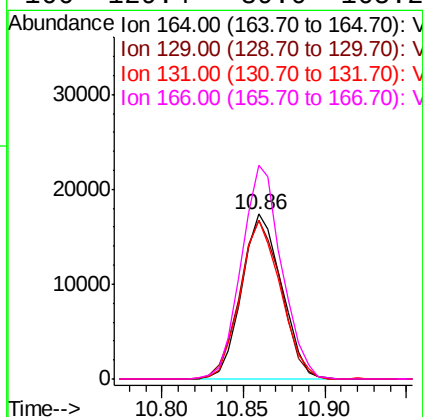
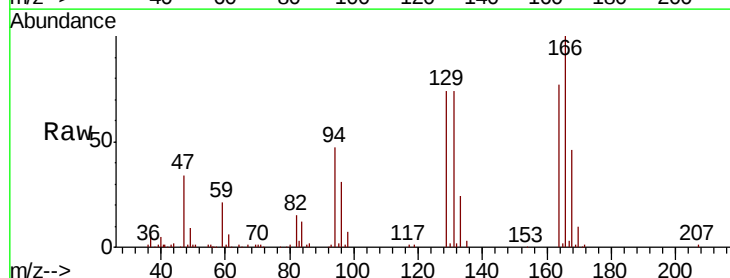
Ion Ratio Lower Upper

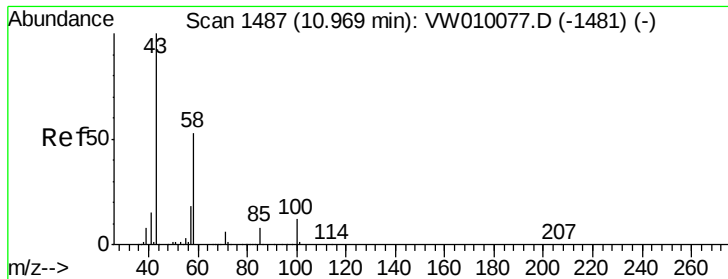
164 100

129 96.0 66.8 124.2

131 96.2 65.2 121.0

166 129.4 89.0 165.2





#49

2-Hexanone

Concen: 2.643 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

Instrument :

MSVOA_W

ClientSampled :

GAHQ9

Tgt Ion: 43 Resp: 16246

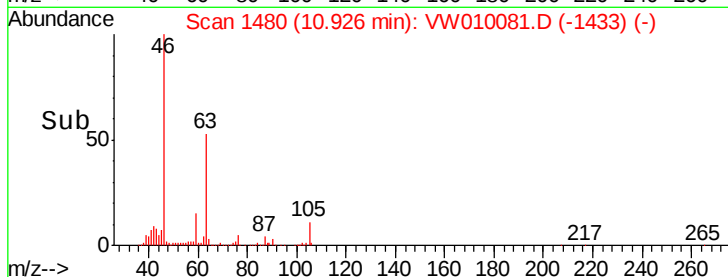
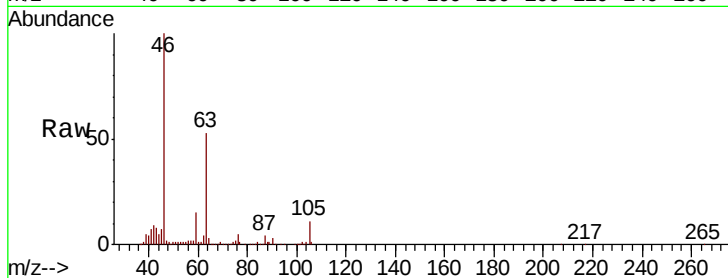
Ion Ratio Lower Upper

43 100

58 21.7 39.8 59.8#

57 26.5 14.1 21.1#

100 1.4 8.4 12.6#

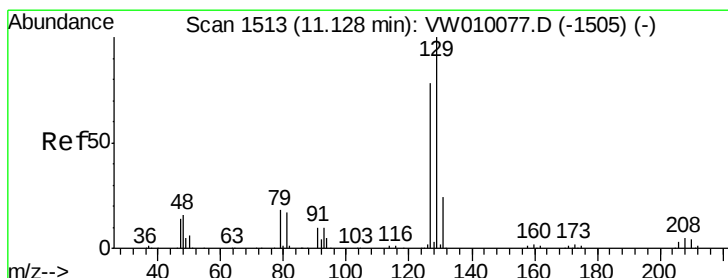
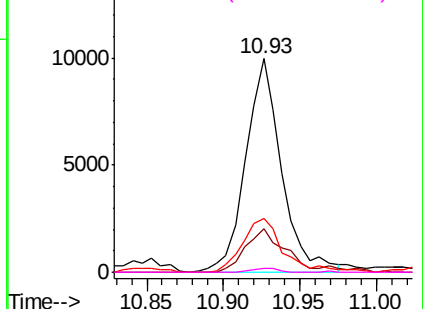


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 3.033 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW010081.D

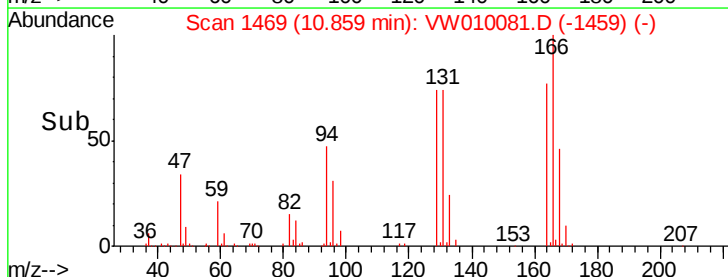
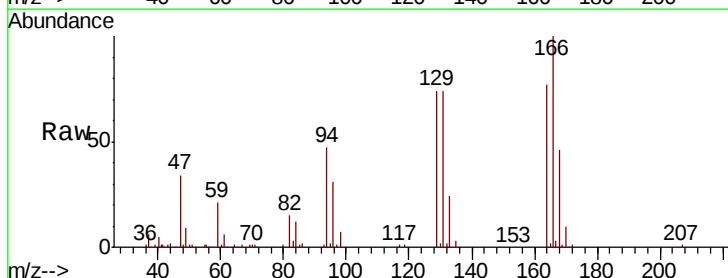
Acq: 22 Apr 2019 14:13

Tgt Ion: 129 Resp: 29503

Ion Ratio Lower Upper

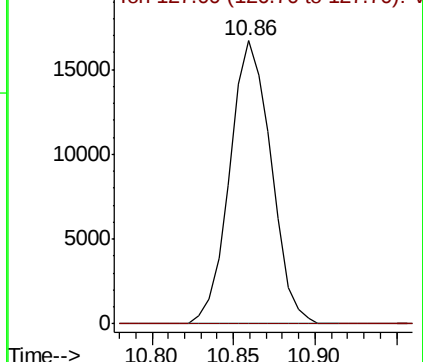
129 100

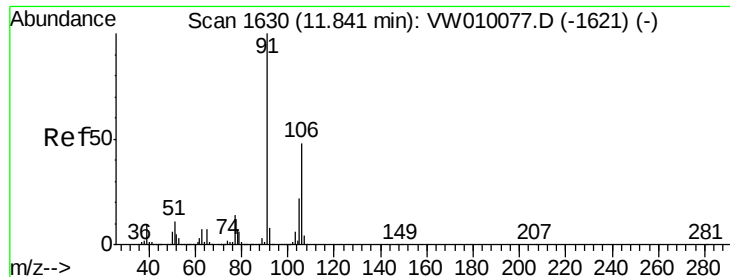
127 0.0 53.5 99.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#54

m,p-Xylene

Concen: 0.606 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

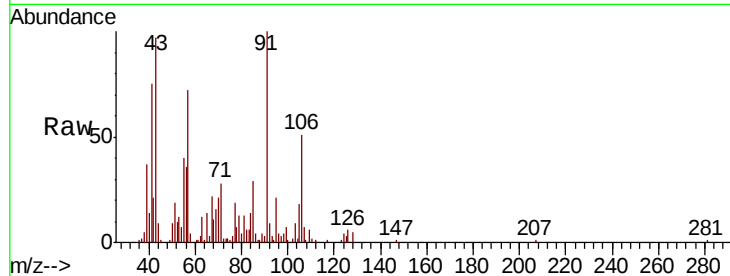
GAHQ9

Tgt Ion:106 Resp: 10445

Ion Ratio Lower Upper

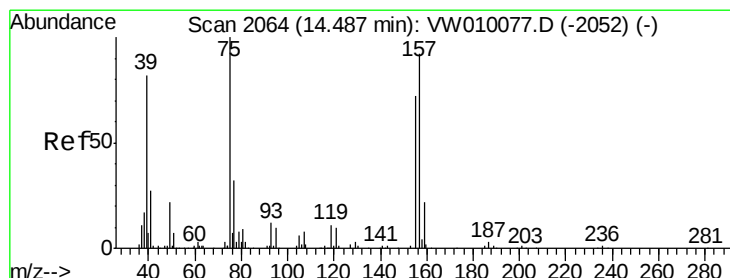
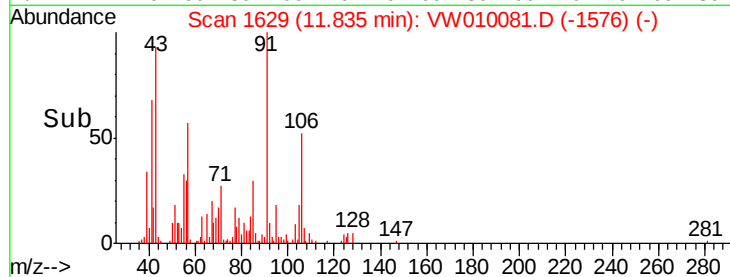
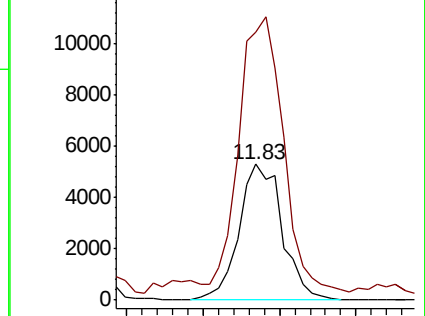
106 100

91 197.4 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#66

1,2-Dibromo-3-chloropropane

Concen: 74.638 ug/L

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

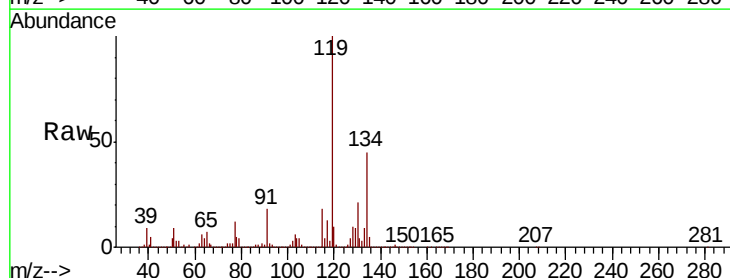
Tgt Ion: 75 Resp: 113340

Ion Ratio Lower Upper

75 100

157 0.0 73.3 109.9#

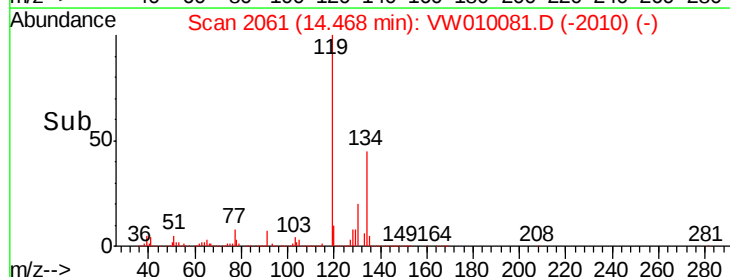
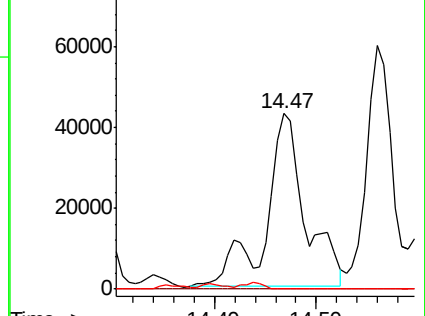
155 0.0 58.6 88.0#

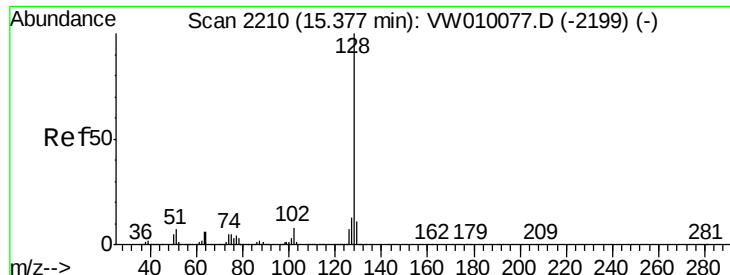


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 323.066 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW010081.D

Acq: 22 Apr 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

GAHQ9

Tgt Ion:128 Resp: 6362889

Ion Ratio Lower Upper

128 100

129 14.7 8.6 12.8#

127 14.1 10.6 16.0

