

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042219\
 Data File : VW010086.D
 Acq On : 22 Apr 2019 17:31
 Operator : SY/VA
 Sample : K2455-16
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR6RE

Quant Time: Apr 23 06:09:37 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	641649	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	430086	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	117991	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	150724	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.44%
7) Chloroethane-d5	2.89	69	127979	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
10) 1,1-Dichloroethene-d2	4.01	63	300484	17.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.48%
20) 2-Butanone-d5	7.08	46	130495	39.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.56%
24) Chloroform-d	7.65	84	408948	22.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	8.31	65	236053	20.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.04%
29) Benzene-d6	8.27	84	774601	32.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	131.08%
33) 1,2-Dichloropropane-d6	9.27	67	238482	31.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.72%#
37) Toluene-d8	10.32	98	560839	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.04%
38) trans-1,3-Dichloropropene-	10.58	79	96987	27.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.68%
39) 2-Hexanone-d5	10.93	63	96020	57.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148074	21.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.12%
61) 1,2-Dichlorobenzene-d4	13.56	152	103301	23.29	ug/L	-0.30
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.16%

Target Compounds

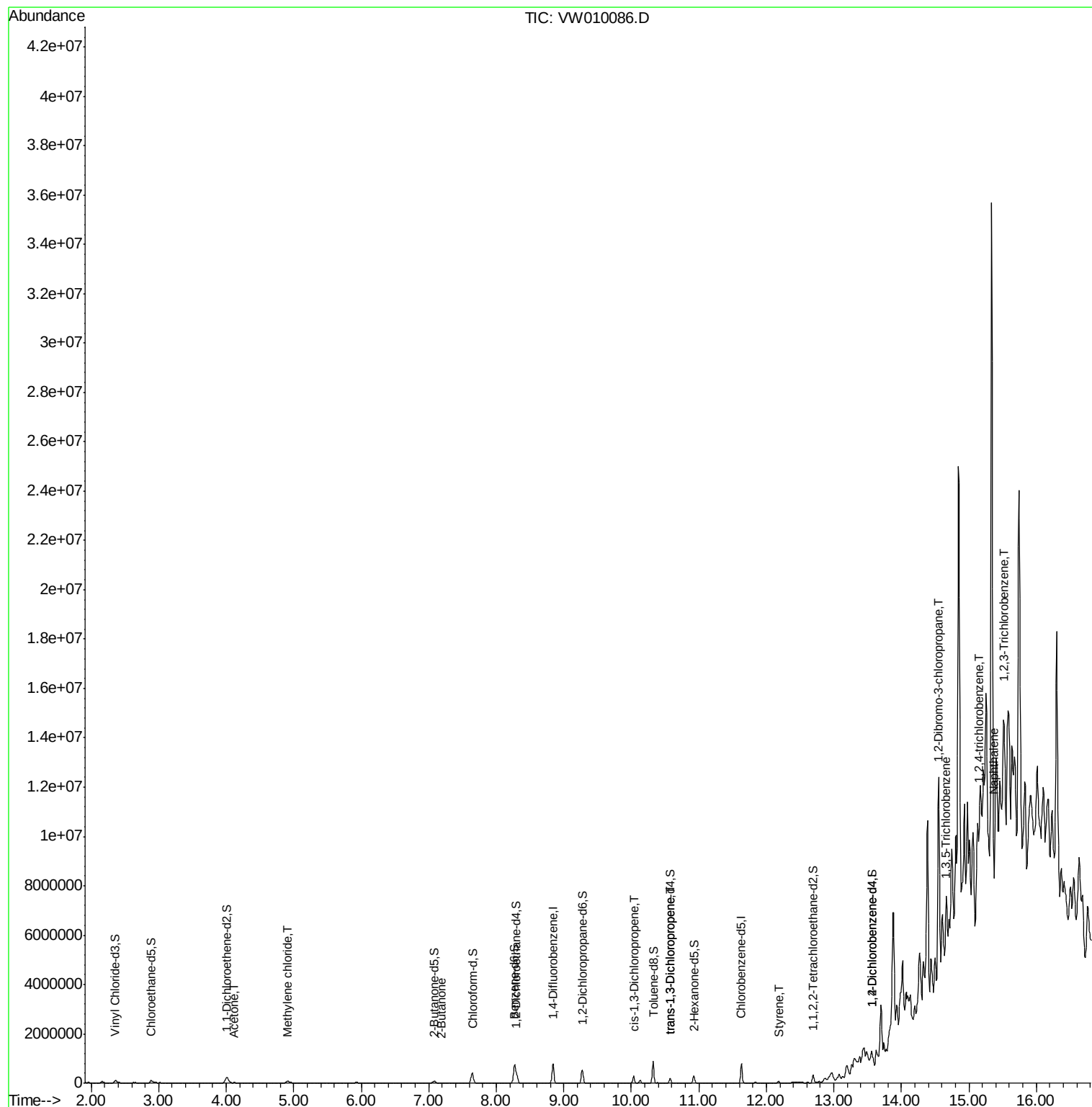
					Qvalue
13) Acetone	4.11	43	28030	9.610 ug/L	99
16) Methylene chloride	4.91	84	64186	5.525 ug/L	90
21) 2-Butanone	7.18	43	7011	1.836 ug/L	85
42) cis-1,3-Dichloropropene	10.03	75	7182	0.695 ug/L #	69
45) trans-1,3-Dichloropropene	10.58	75	4603	0.505 ug/L	93
56) Styrene	12.18	104	25710	1.393 ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.54	75	15775	22.286 ug/L #	35
67) 1,3,5-Trichlorobenzene	14.65	180	2829	0.542 ug/L #	1
68) 1,2,4-trichlorobenzene	15.15	180	30232	7.067 ug/L #	1
69) Naphthalene	15.37	128	45574	4.964 ug/L #	25
70) 1,2,3-Trichlorobenzene	15.53	180	127720	31.293 ug/L #	1

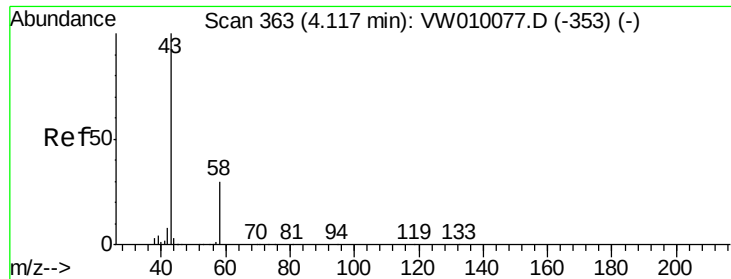
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 23 06:06:04 2019
Response via : Initial Calibration





#13

Acetone

Concen: 9.610 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

Instrument :

MSVOA_W

ClientSampled :

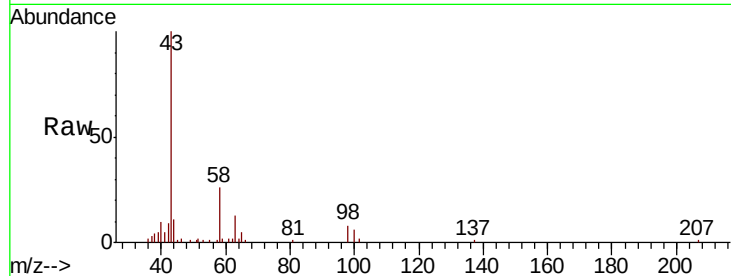
GAHR6RE

Tgt Ion: 43 Resp: 28030

Ion Ratio Lower Upper

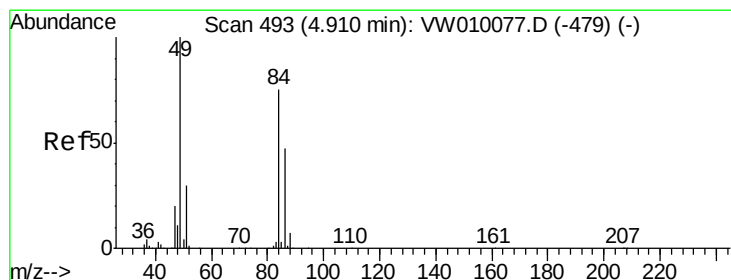
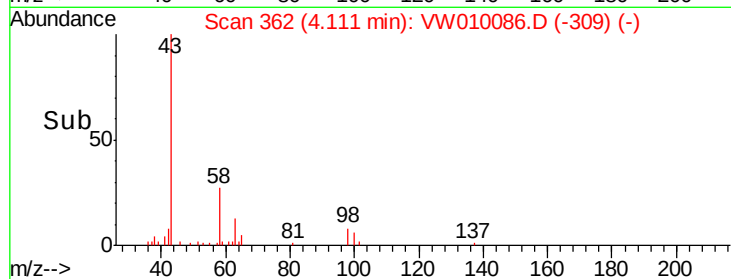
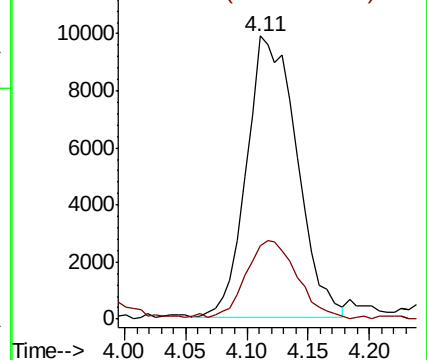
43 100

58 28.7 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 5.525 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

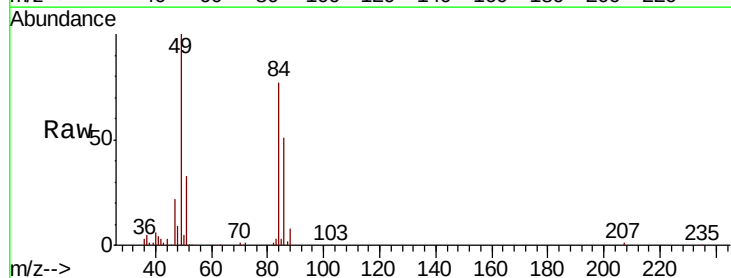
Tgt Ion: 84 Resp: 64186

Ion Ratio Lower Upper

84 100

49 129.7 100.7 187.1

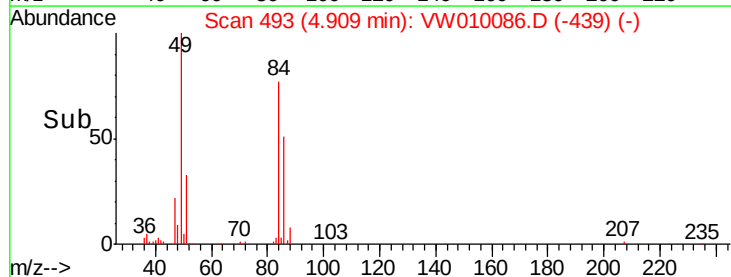
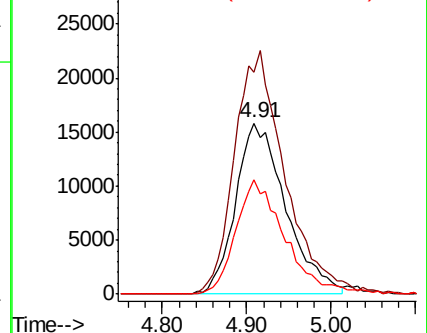
86 66.7 43.8 81.3

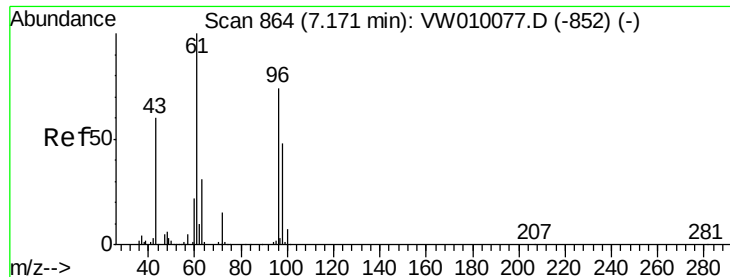


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 1.836 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

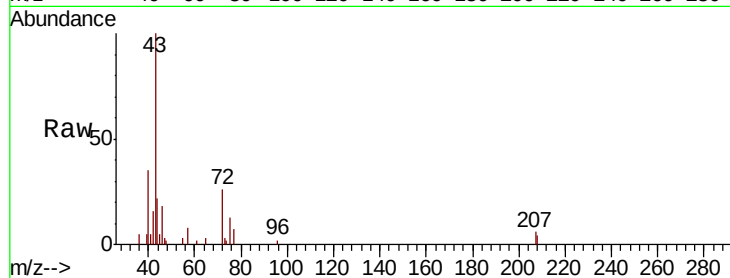
GAHR6RE

Tgt Ion: 43 Resp: 7011

Ion Ratio Lower Upper

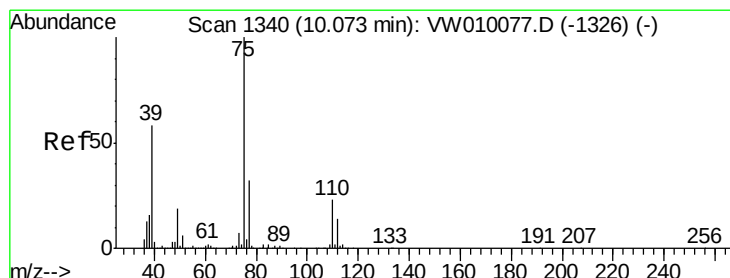
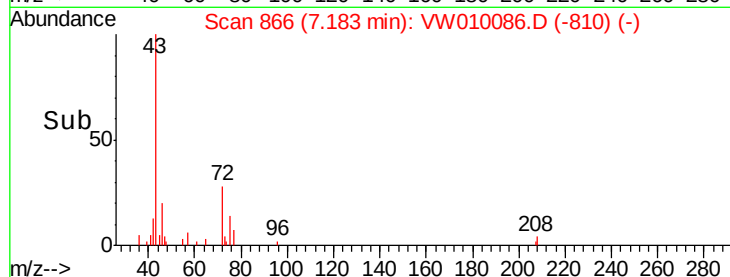
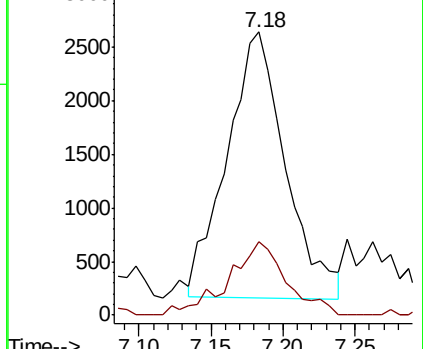
43 100

72 16.3 11.9 35.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.695 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW010086.D

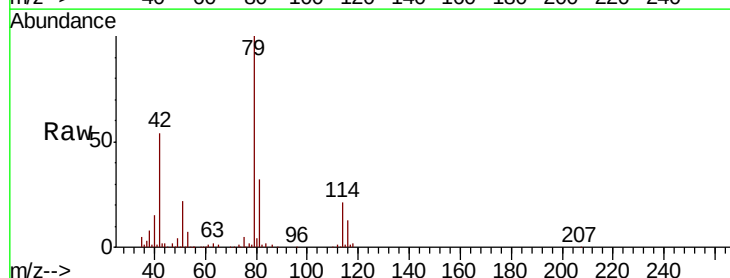
Acq: 22 Apr 2019 17:31

Tgt Ion: 75 Resp: 7182

Ion Ratio Lower Upper

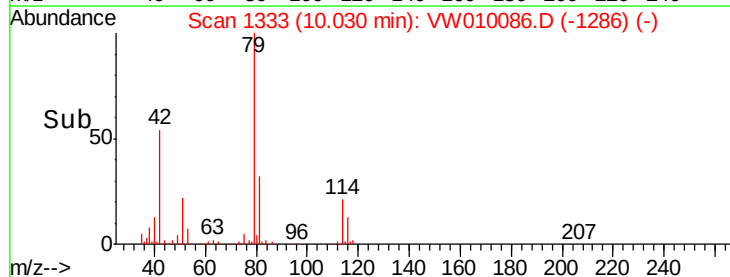
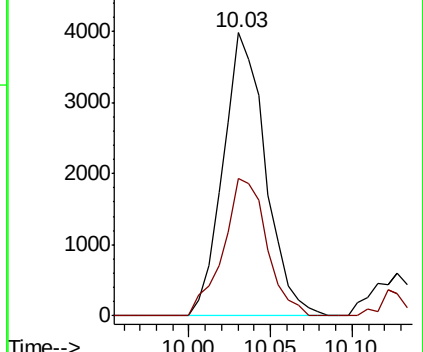
75 100

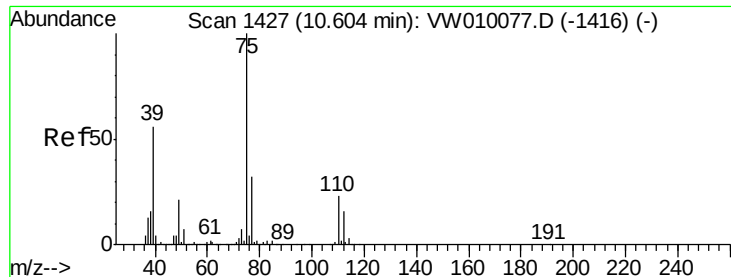
77 48.4 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.505 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

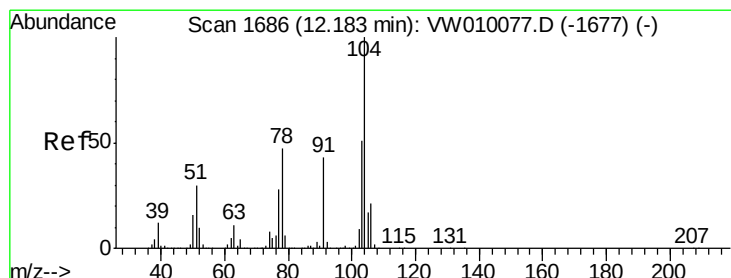
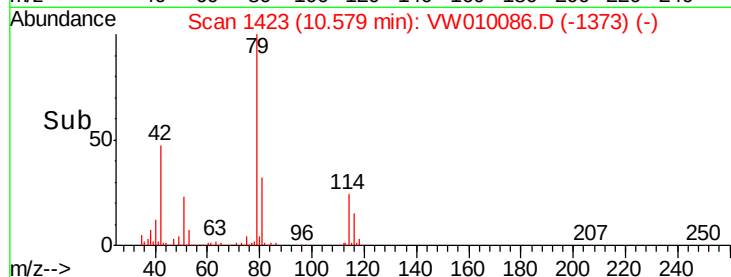
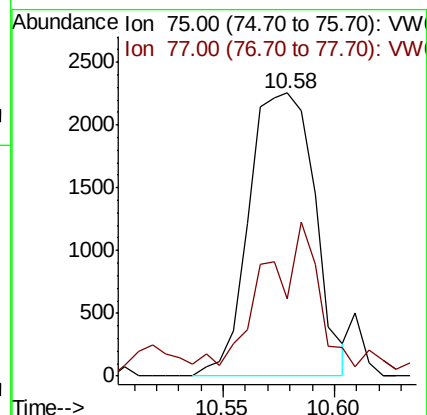
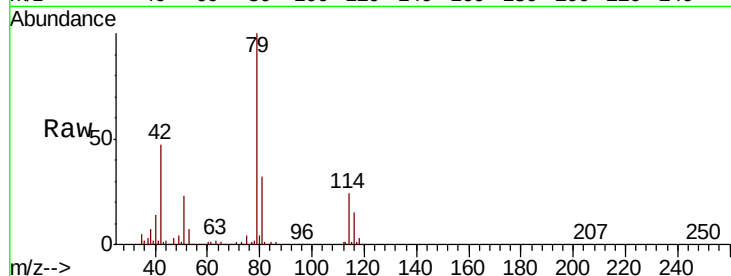
GAHR6RE

Tgt Ion: 75 Resp: 4603

Ion Ratio Lower Upper

75 100

77 27.4 22.0 41.0



#56

Styrene

Concen: 1.393 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010086.D

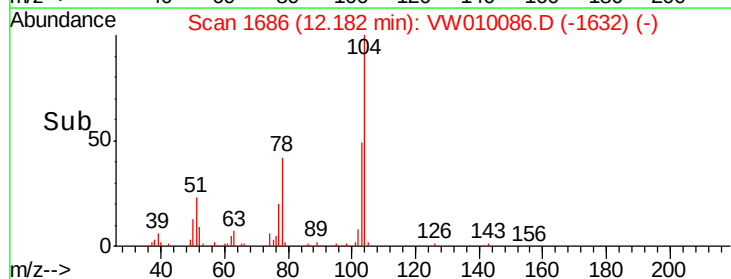
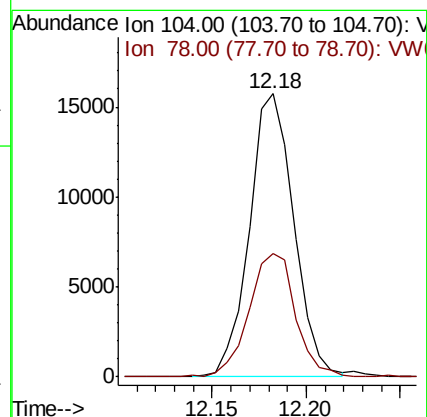
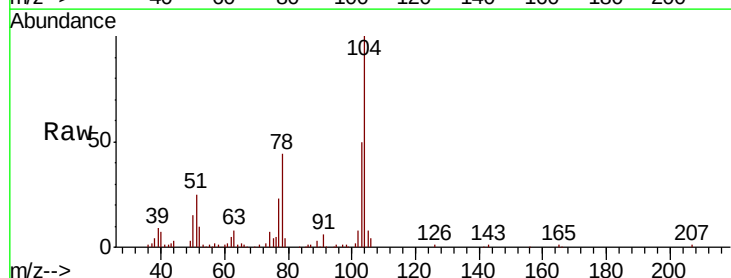
Acq: 22 Apr 2019 17:31

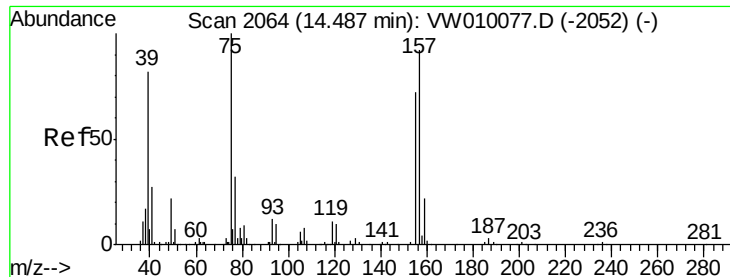
Tgt Ion: 104 Resp: 25710

Ion Ratio Lower Upper

104 100

78 43.7 32.7 60.7





#66

1,2-Dibromo-3-chloropropane

Concen: 22.286 ug/L

RT: 14.54 min Scan# 2073

Delta R.T. 0.05 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

GAHR6RE

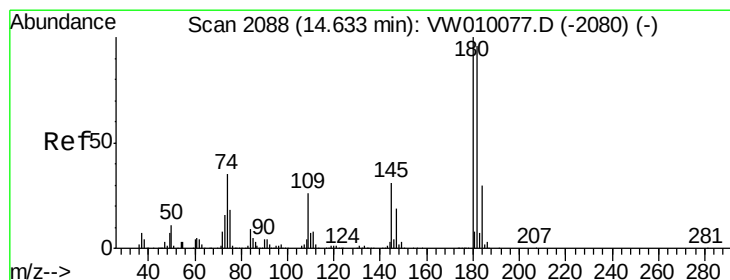
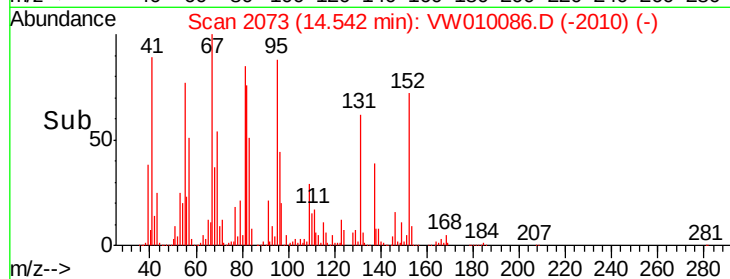
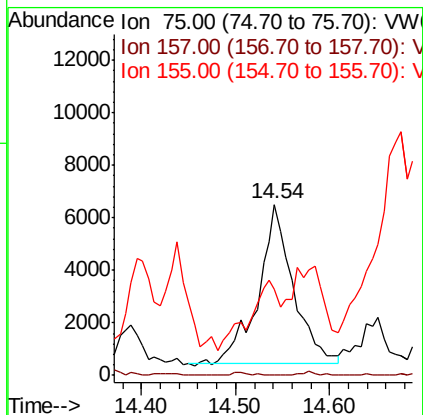
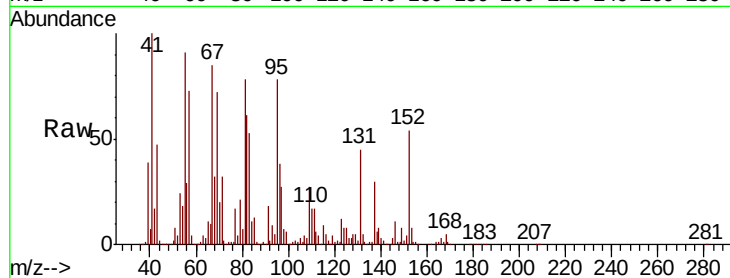
Tgt Ion: 75 Resp: 15775

Ion Ratio Lower Upper

75 100

157 0.0 73.3 109.9#

155 50.6 58.6 88.0#



#67

1,3,5-Trichlorobenzene

Concen: 0.542 ug/L

RT: 14.65 min Scan# 2091

Delta R.T. 0.02 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

Tgt Ion: 180 Resp: 2829

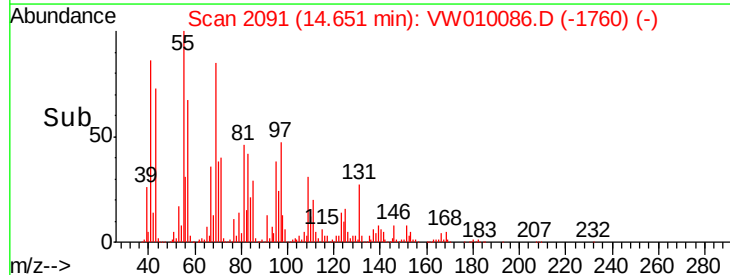
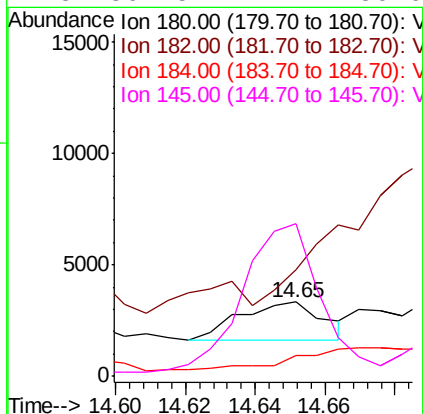
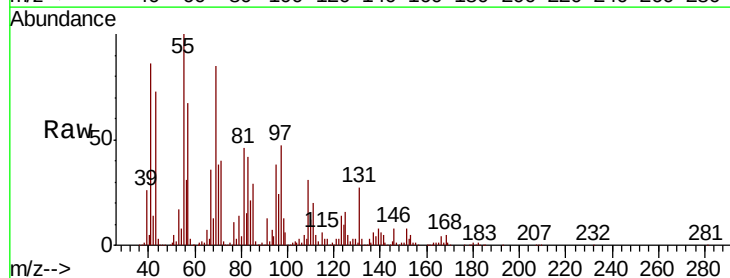
Ion Ratio Lower Upper

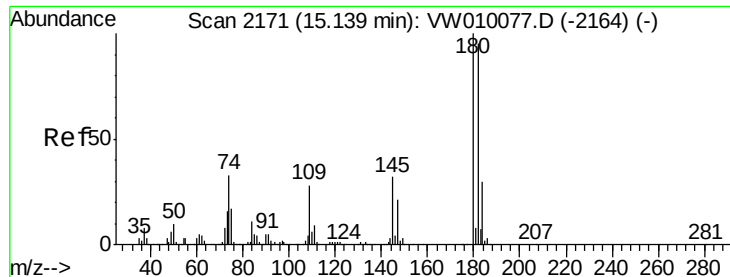
180 100

182 56.6 76.8 115.2#

184 26.7 24.0 36.0

145 364.5 24.4 36.6#

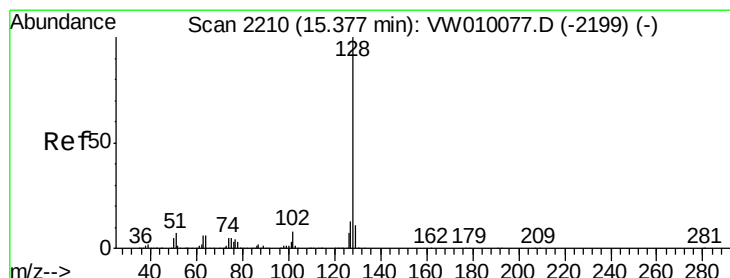
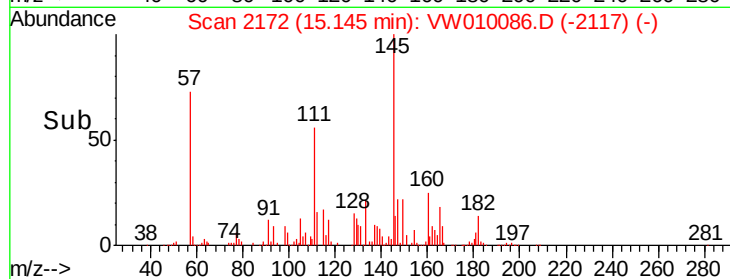
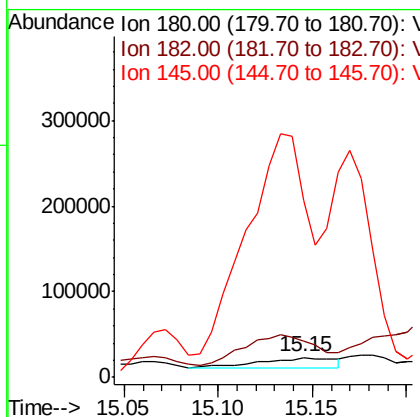
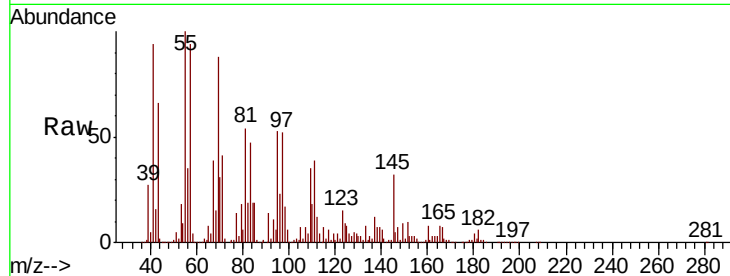




#68
 1,2,4-trichlorobenzene
 Concen: 7.067 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW010086.D
 Acq: 22 Apr 2019 17:31

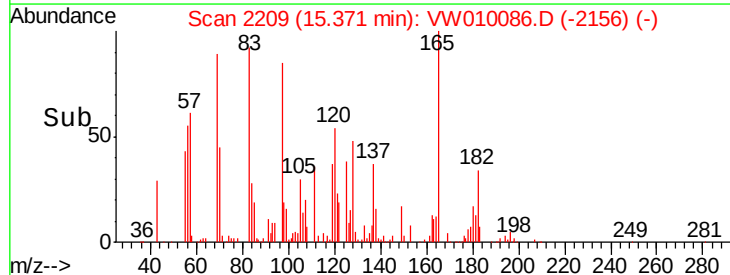
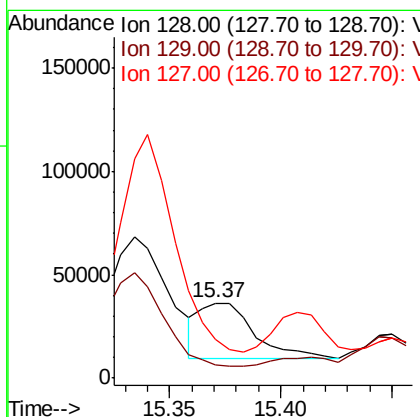
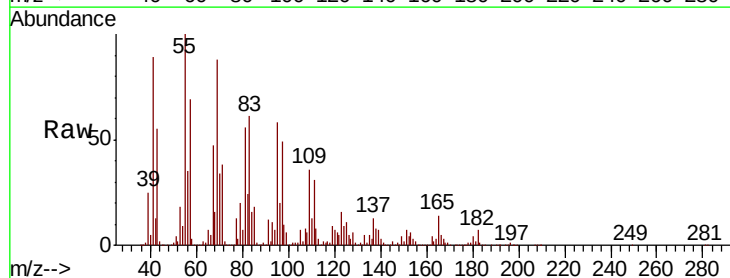
Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR6RE

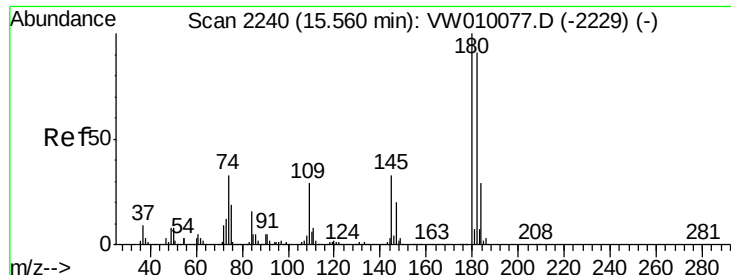
Tgt Ion:180 Resp: 30232
 Ion Ratio Lower Upper
 180 100
 182 327.4 75.4 113.0#
 145 2214.8 25.0 37.4#



#69
 Naphthalene
 Concen: 4.964 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW010086.D
 Acq: 22 Apr 2019 17:31

Tgt Ion:128 Resp: 45574
 Ion Ratio Lower Upper
 128 100
 129 16.4 8.6 12.8#
 127 62.5 10.6 16.0#





#70

1,2,3-Trichlorobenzene

Concen: 31.293 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW010086.D

Acq: 22 Apr 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

GAHR6RE

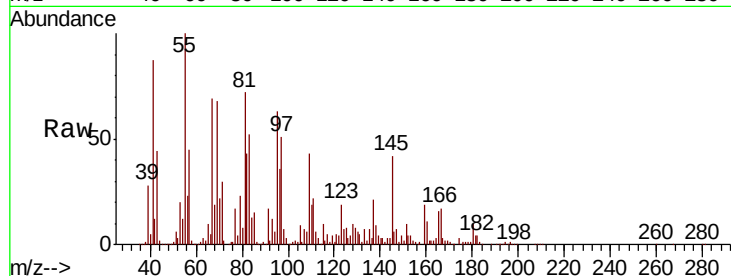
Tgt Ion:180 Resp: 127720

Ion Ratio Lower Upper

180 100

182 25.2 76.0 114.0#

145 856.9 26.3 39.5#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

