

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010118.D
 Acq On : 24 Apr 2019 19:09
 Operator : SY/VA
 Sample : K2481-12
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHW5RE

Quant Time: Apr 25 01:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 25 01:36:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	66861	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	88192	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	49139	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	4057	6.35	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	25.40%#
7) Chloroethane-d5	2.89	69	6040	11.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.76%
10) 1,1-Dichloroethene-d2	4.00	63	11637	6.20	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	24.80%#
20) 2-Butanone-d5	7.08	46	31332	103.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	207.62%#
24) Chloroform-d	7.65	84	47036	26.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.68%
26) 1,2-Dichloroethane-d4	8.31	65	42474	40.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	163.20%#
29) Benzene-d6	8.27	84	77893	15.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	62.36%
33) 1,2-Dichloropropane-d6	9.27	67	37389	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	10.32	98	64972	14.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	57.28%
38) trans-1,3-Dichloropropene-	10.57	79	15703	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.56%
39) 2-Hexanone-d5	10.93	63	19669	60.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	46331	35.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	143.36%#
61) 1,2-Dichlorobenzene-d4	13.85	152	44190	24.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.16%

Target Compounds

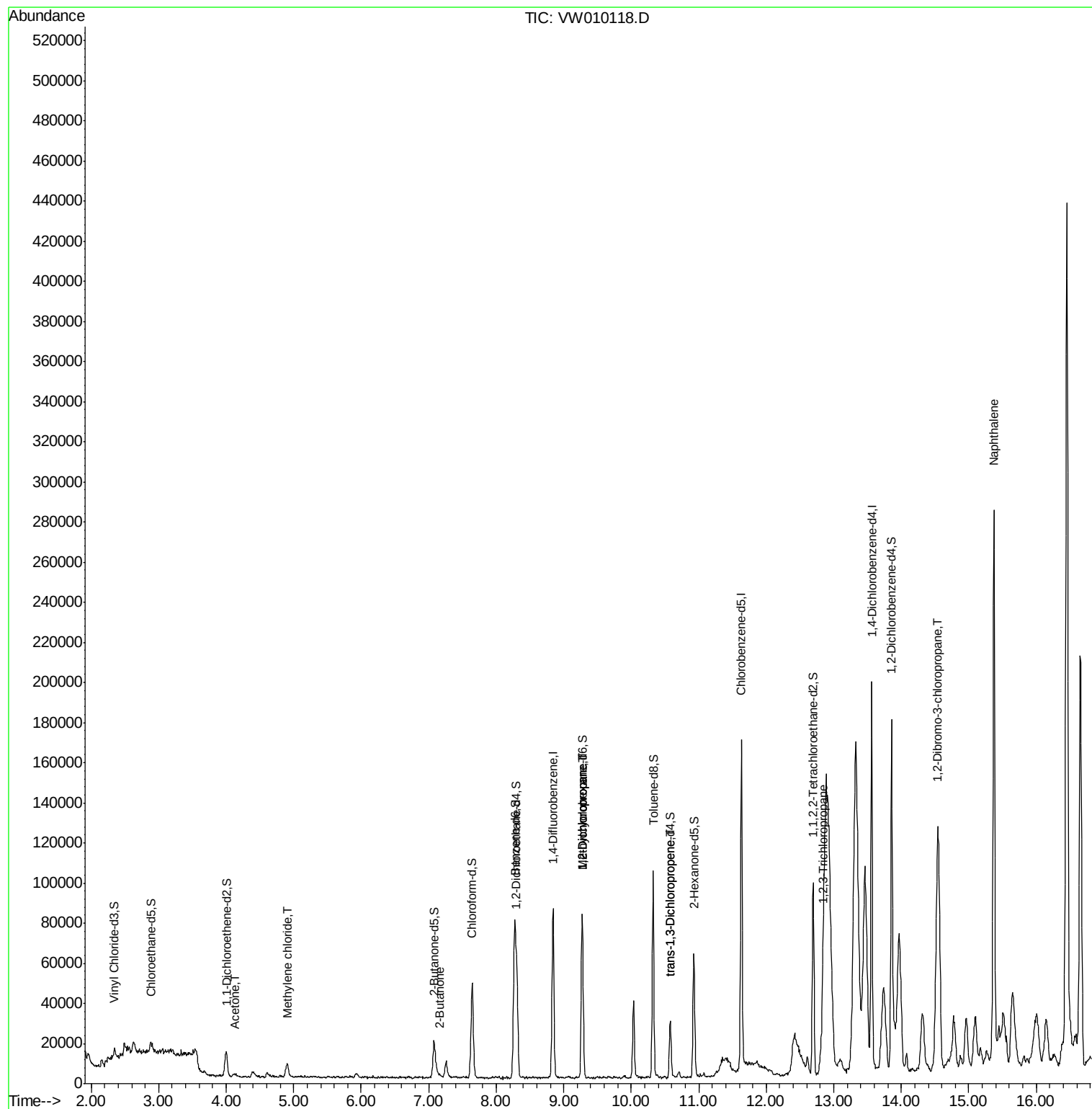
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	2440	10.712	ug/L	83
16) Methylene chloride	4.90	84	3236	3.453	ug/L	90
21) 2-Butanone	7.16	43	404	1.144	ug/L #	51
36) Methylcyclohexane	9.27	83	8609	3.631	ug/L #	17
40) 1,2-Dichloropropane	9.27	63	4110	2.969	ug/L #	87
45) trans-1,3-Dichloropropene	10.58	75	921	0.496	ug/L #	65
59) 1,2,3-Trichloropropane	12.83	75	972	1.010	ug/L #	77
66) 1,2-Dibromo-3-chloropropan	14.54	75	11591	43.120	ug/L #	6
69) Naphthalene	15.37	128	239687	52.029	ug/L	99

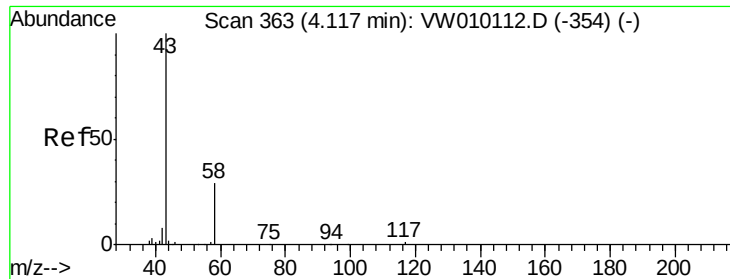
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 25 01:36:45 2019
Response via : Initial Calibration





#13

Acetone

Concen: 10.712 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

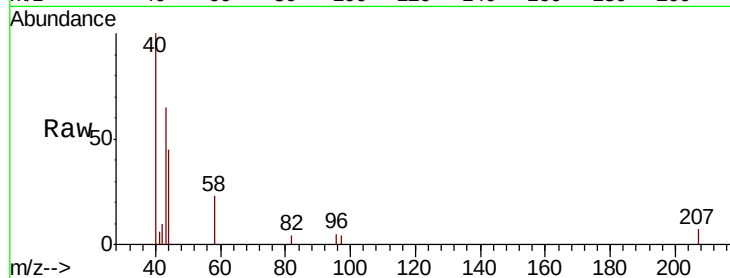
GAHW5RE

Tgt Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

58 20.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

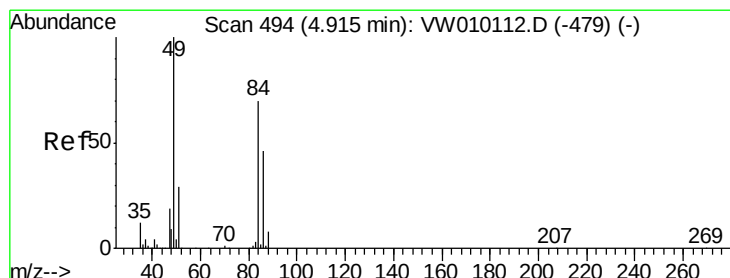
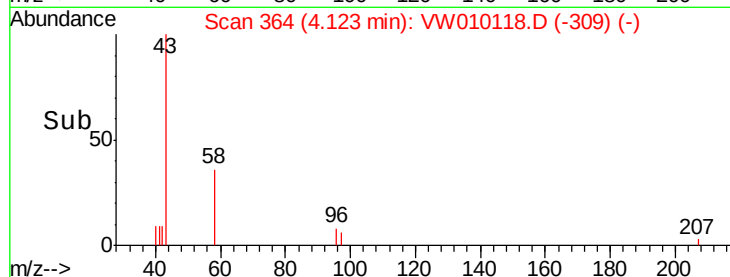
4.12

1000

500

0

Time-->



#16

Methylene chloride

Concen: 3.453 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

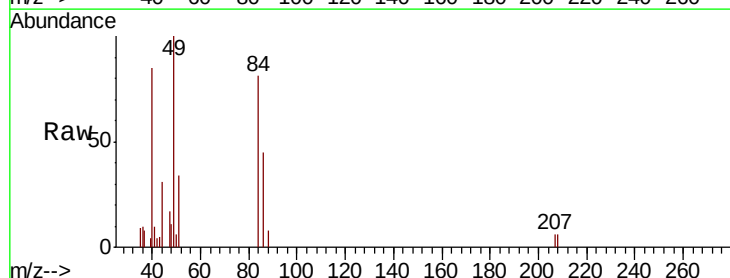
Tgt Ion: 84 Resp: 3236

Ion Ratio Lower Upper

84 100

49 122.9 93.5 173.7

86 55.0 44.9 83.5



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

4.90

3000

2500

2000

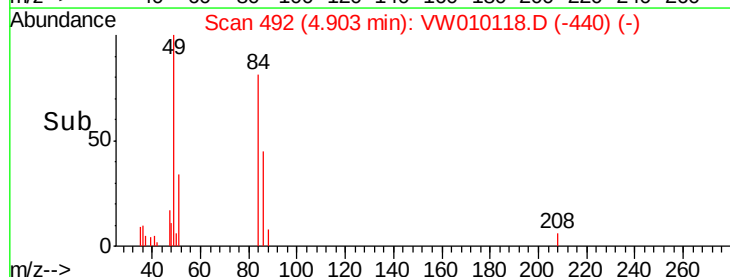
1500

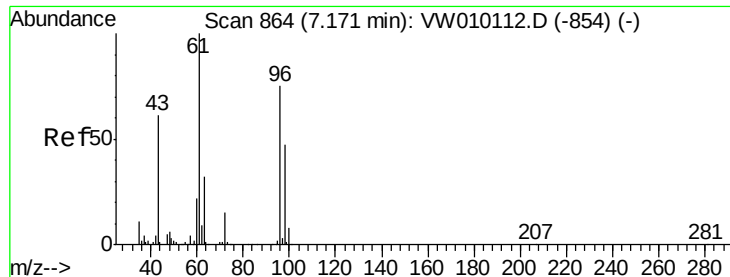
1000

500

0

Time-->





#21

2-Butanone

Concen: 1.144 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

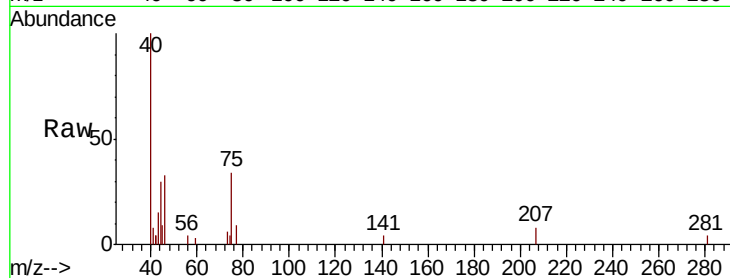
GAHW5RE

Tgt Ion: 43 Resp: 404

Ion Ratio Lower Upper

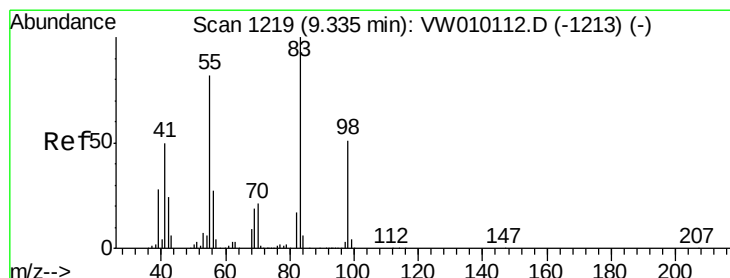
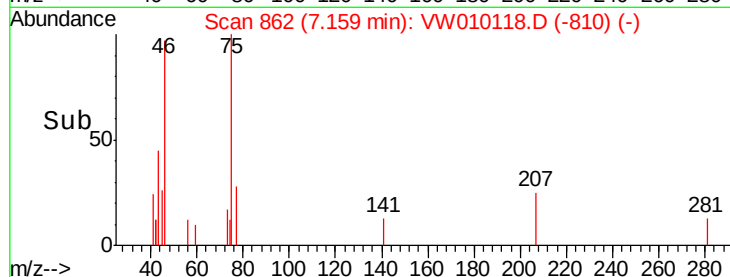
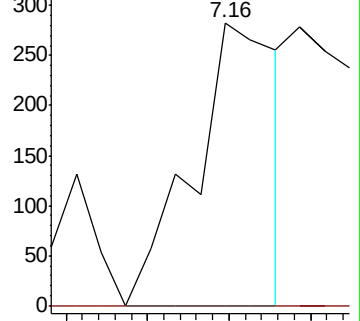
43 100

72 0.0 12.3 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#36

Methylcyclohexane

Concen: 3.631 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

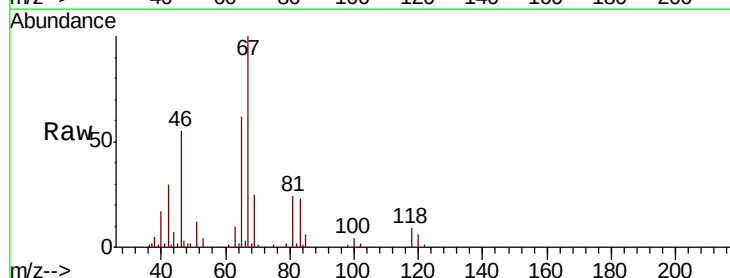
Tgt Ion: 83 Resp: 8609

Ion Ratio Lower Upper

83 100

55 1.3 66.6 100.0#

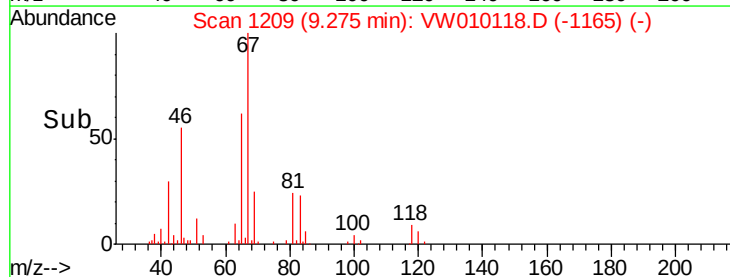
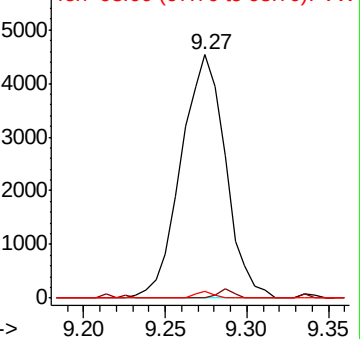
98 1.1 39.1 58.7#

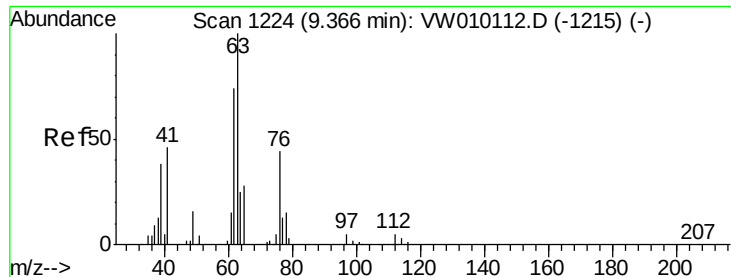


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.969 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

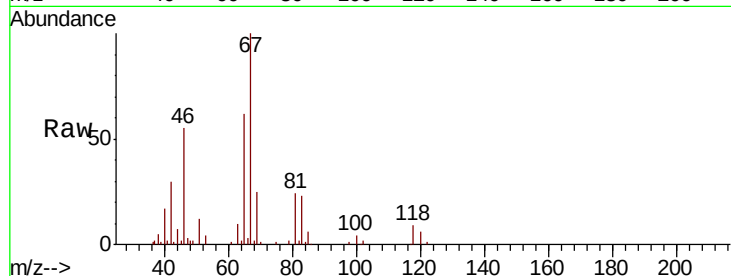
GAHW5RE

Tgt Ion: 63 Resp: 4110

Ion Ratio Lower Upper

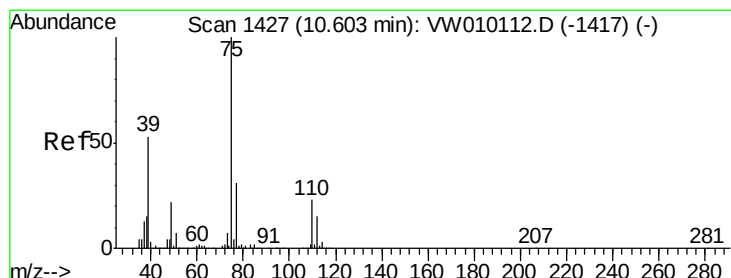
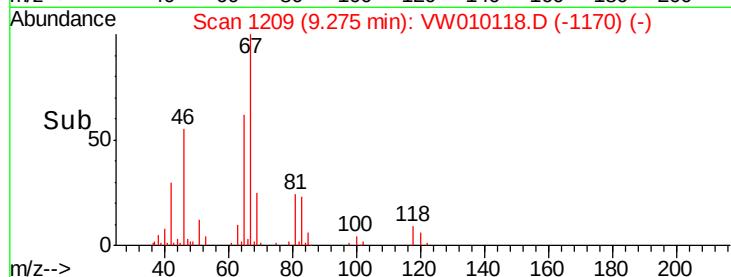
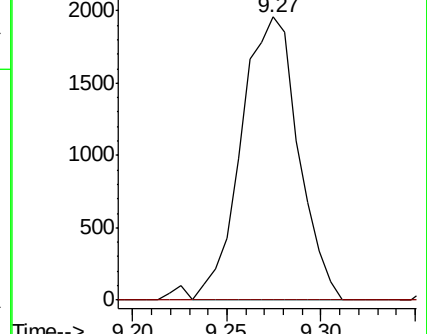
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.496 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW010118.D

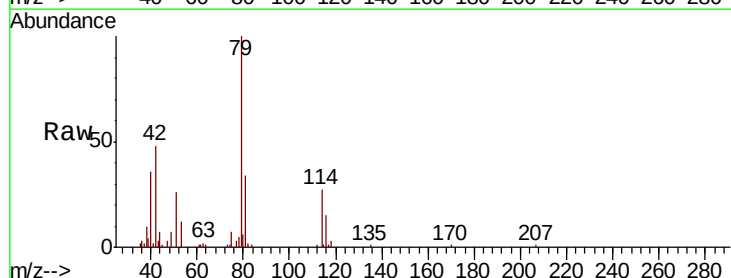
Acq: 24 Apr 2019 19:09

Tgt Ion: 75 Resp: 921

Ion Ratio Lower Upper

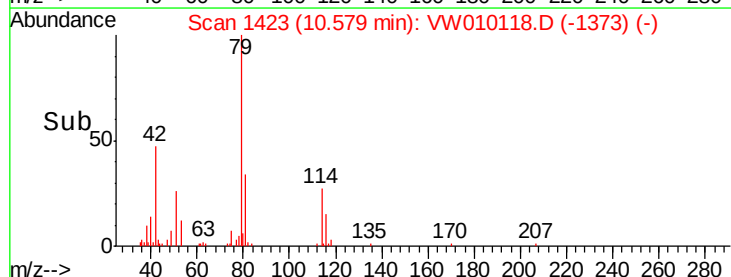
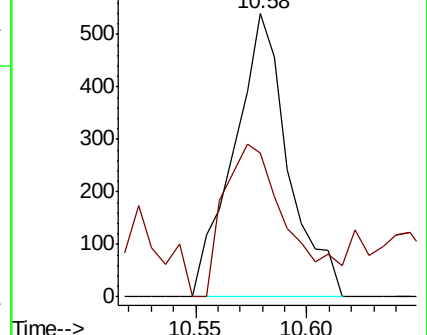
75 100

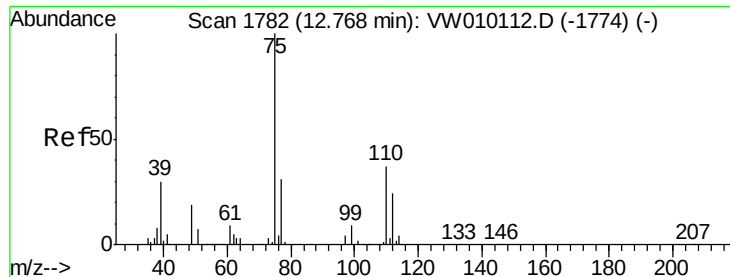
77 51.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 1.010 ug/L

RT: 12.83 min Scan# 1793

Delta R.T. 0.06 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

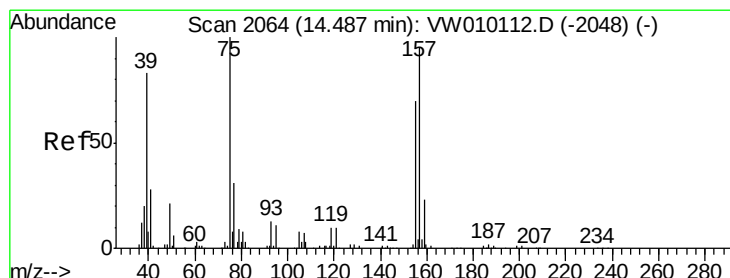
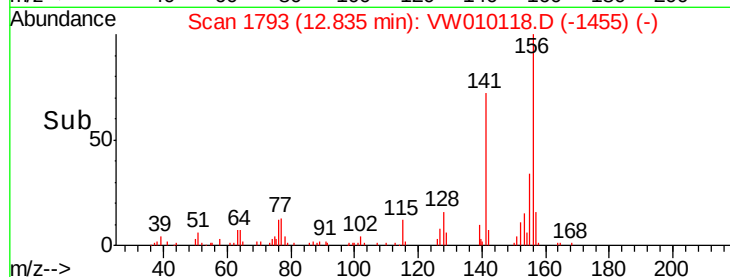
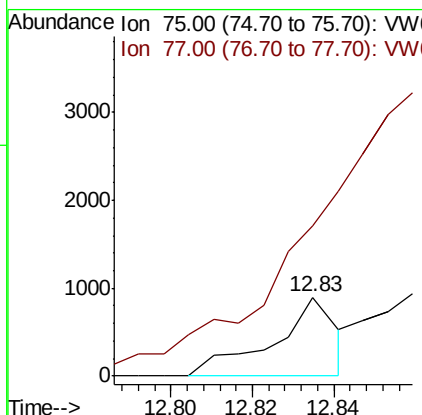
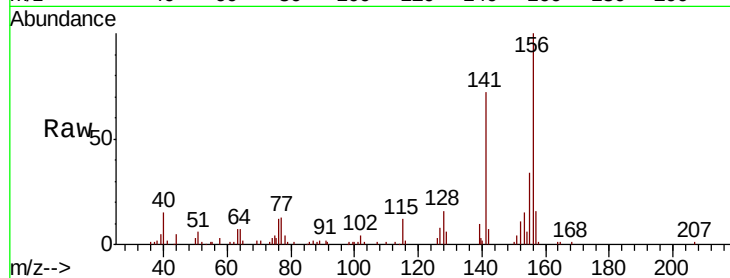
GAHW5RE

Tgt Ion: 75 Resp: 972

Ion Ratio Lower Upper

75 100

77 19.4 26.1 39.1#



#66

1,2-Dibromo-3-chloropropane

Concen: 43.120 ug/L

RT: 14.54 min Scan# 2073

Delta R.T. 0.05 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

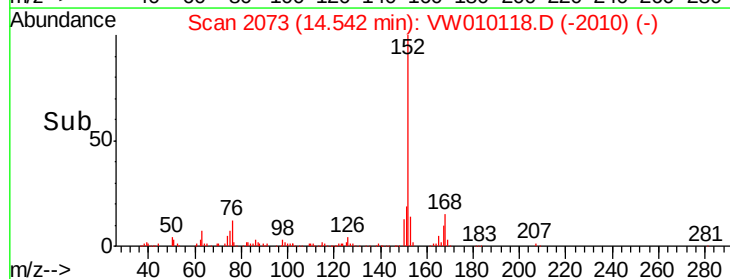
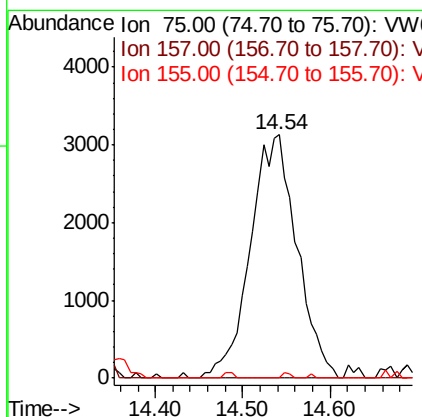
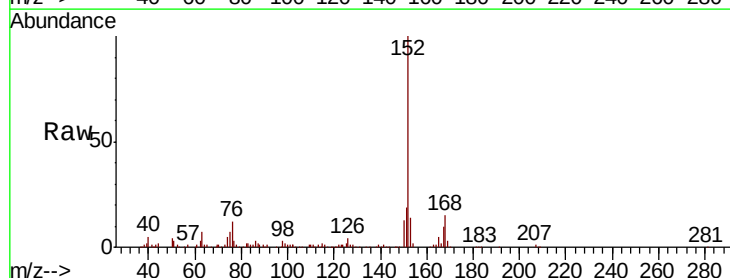
Tgt Ion: 75 Resp: 11591

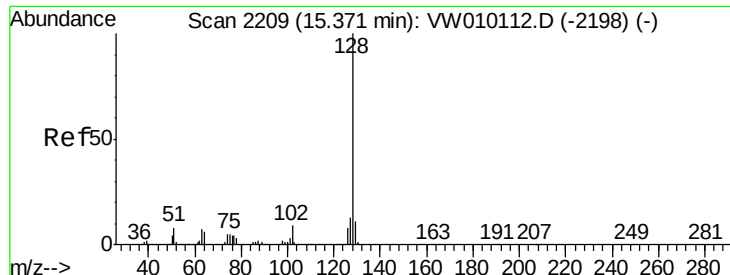
Ion Ratio Lower Upper

75 100

157 0.0 78.4 117.6#

155 0.0 60.2 90.2#





#69

Naphthalene

Concen: 52.029 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010118.D

Acq: 24 Apr 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

GAHW5RE

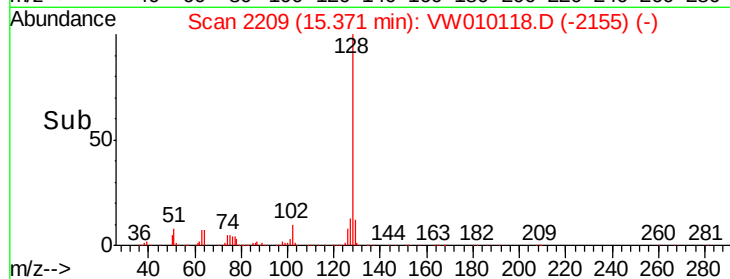
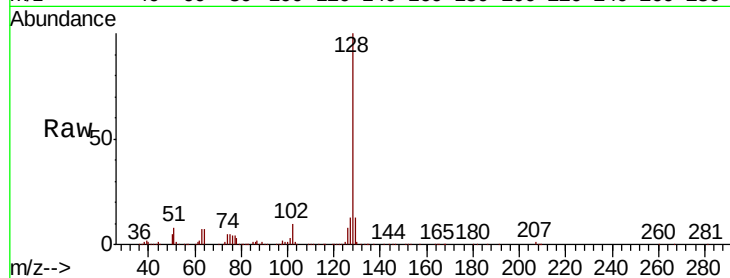
Tgt Ion:128 Resp: 239687

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 12.8 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

