

Data File : VW009211.D
Acq On : 16 Mar 2019 15:43
Operator : SY/VA
Sample : K1939-15
Misc : 5.45G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFOX8

Quant Time: Mar 18 02:44:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 02:40:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	337765	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318789	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154187	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113329	28.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.32%
7) Chloroethane-d5	2.90	69	103028	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
10) 1,1-Dichloroethene-d2	4.01	63	168838	19.35	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.40%
20) 2-Butanone-d5	7.07	46	68200	40.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.72%
24) Chloroform-d	7.65	84	214475	23.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	8.31	65	127070	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.27	84	419221	23.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.40%
33) 1,2-Dichloropropane-d6	9.27	67	121146	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.76%
37) Toluene-d8	10.32	98	368640	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.72%
38) trans-1,3-Dichloropropene-	10.58	79	55668	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.96%
39) 2-Hexanone-d5	10.93	63	50309	39.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110603	21.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	139585	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

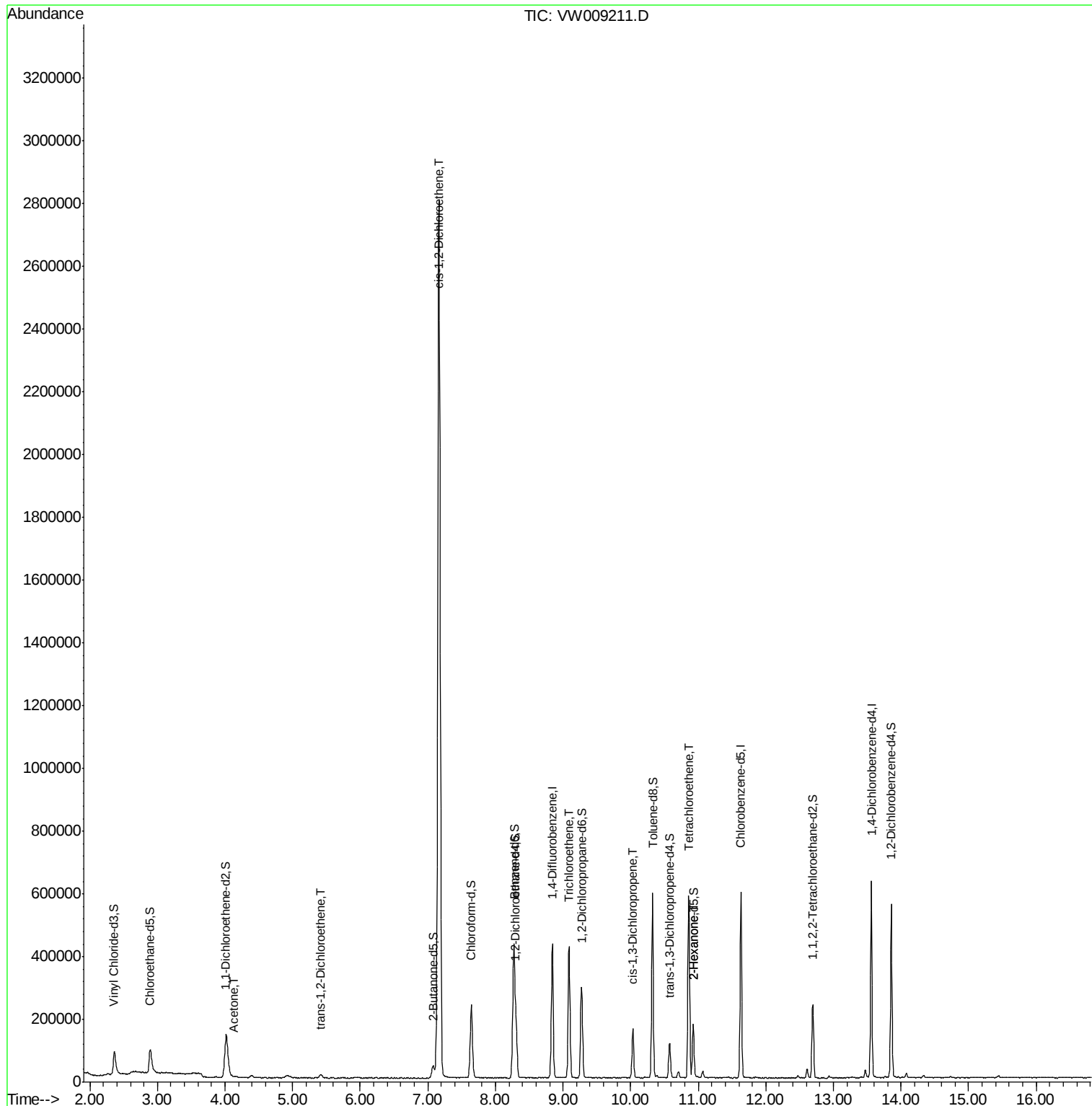
					Qvalue
13) Acetone	4.13	43	4792	3.501 ug/L	65
18) trans-1,2-Dichloroethene	5.41	96	6373	1.457 ug/L	83
22) cis-1,2-Dichloroethene	7.17	96	1520257	320.920 ug/L	98
35) Trichloroethene	9.09	95	133733	28.763 ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	4752	0.652 ug/L #	71
47) Tetrachloroethene	10.86	164	122598	31.207 ug/L	94
49) 2-Hexanone	10.93	43	7077	2.477 ug/L #	74

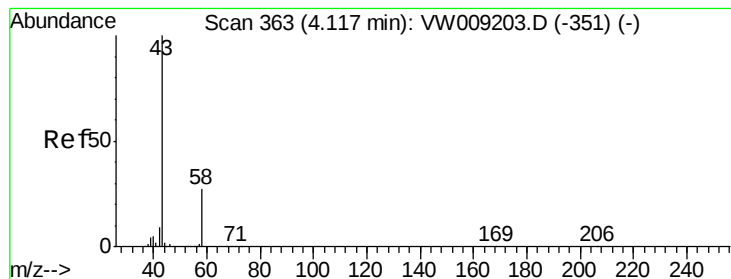
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Mar 18 02:40:38 2019
Response via : Initial Calibration





#13

Acetone

Concen: 3.501 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009211.D

Acq: 16 Mar 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

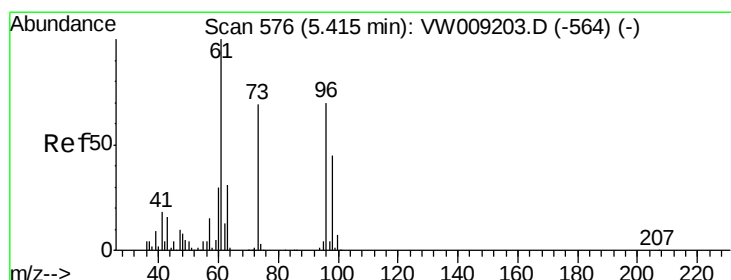
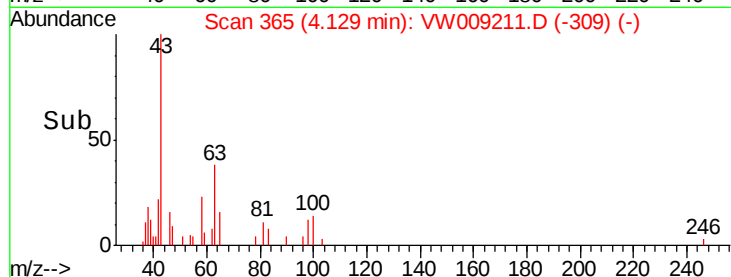
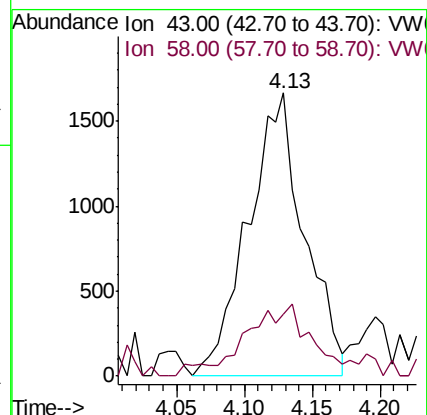
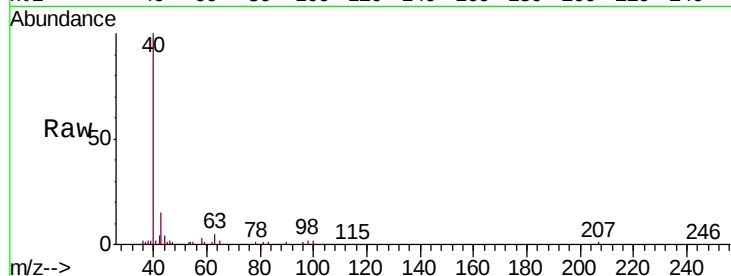
BF0X8

Tgt Ion: 43 Resp: 4792

Ion Ratio Lower Upper

43 100

58 9.8 0.0 56.2



#18

trans-1,2-Dichloroethene

Concen: 1.457 ug/L

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009211.D

Acq: 16 Mar 2019 15:43

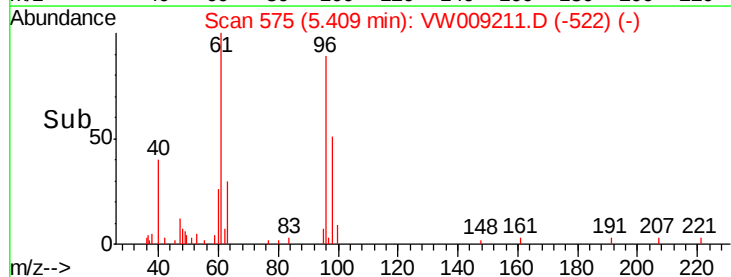
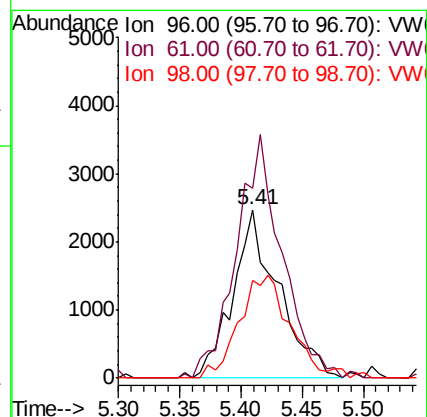
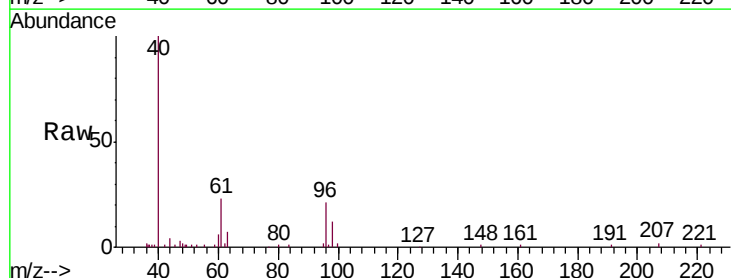
Tgt Ion: 96 Resp: 6373

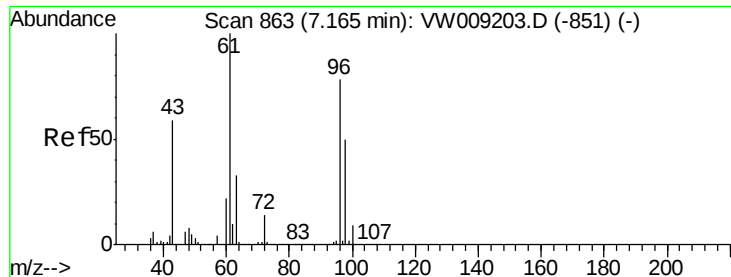
Ion Ratio Lower Upper

96 100

61 112.3 96.7 179.5

98 57.8 43.8 81.4



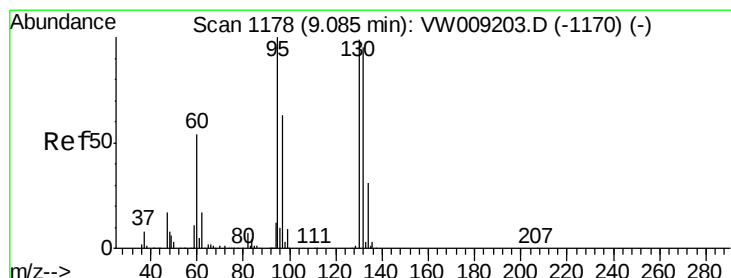
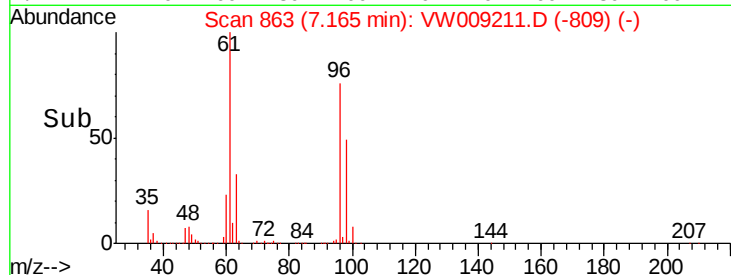
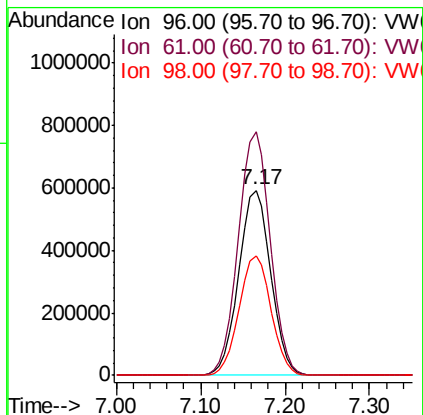
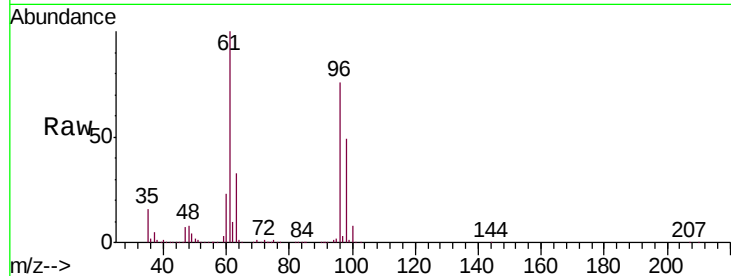


#22

cis-1,2-Dichloroethene
Concen: 320.920 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009211.D
Acq: 16 Mar 2019 15:43

Instrument :
MSVOA_W
ClientSampled :
BF0X8

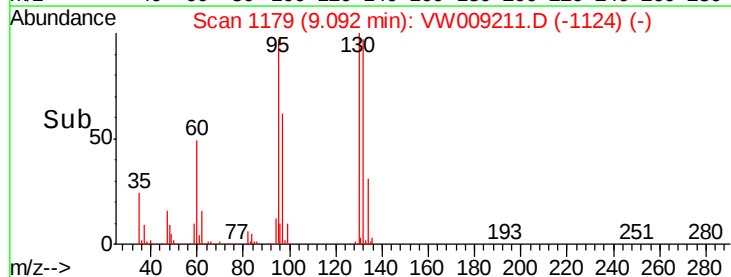
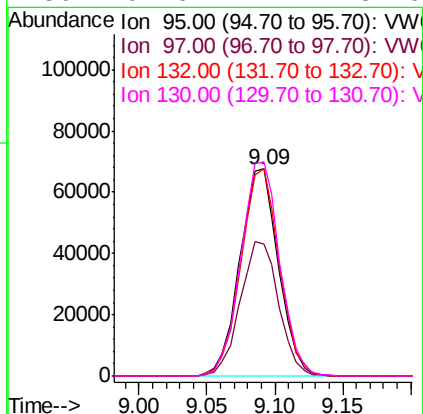
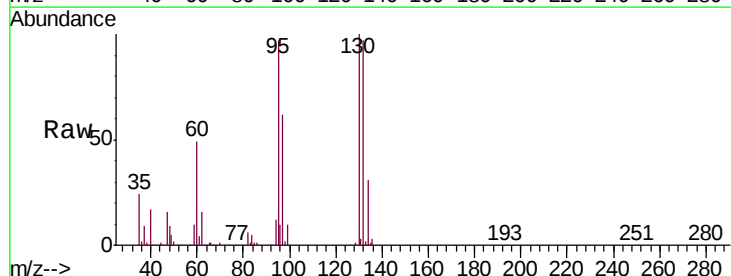
Tgt Ion: 96 Resp: 1520257
Ion Ratio Lower Upper
96 100
61 131.5 90.6 168.3
98 64.6 44.0 81.8

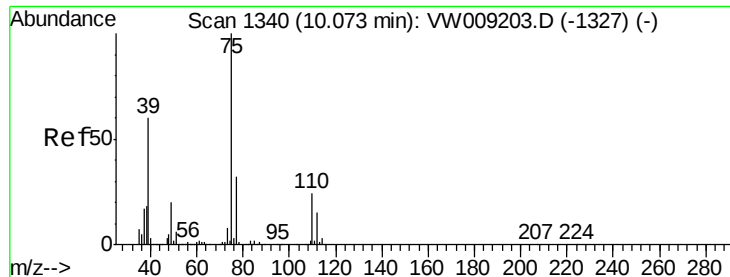


#35

Trichloroethene
Concen: 28.763 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW009211.D
Acq: 16 Mar 2019 15:43

Tgt Ion: 95 Resp: 133733
Ion Ratio Lower Upper
95 100
97 64.6 44.7 82.9
132 99.2 69.0 128.2
130 104.6 72.7 134.9





#42

cis-1,3-Dichloropropene

Concen: 0.652 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009211.D

Acq: 16 Mar 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

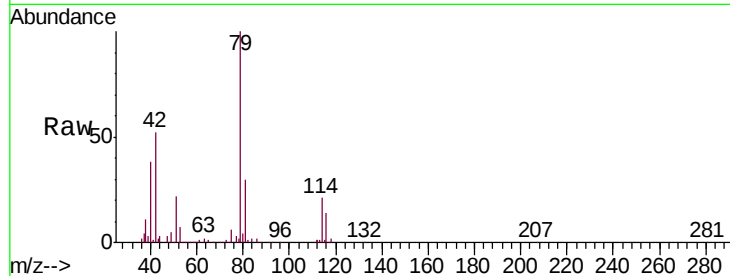
BF0X8

Tgt Ion: 75 Resp: 4752

Ion Ratio Lower Upper

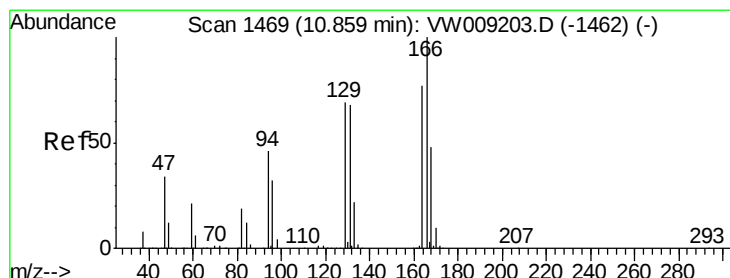
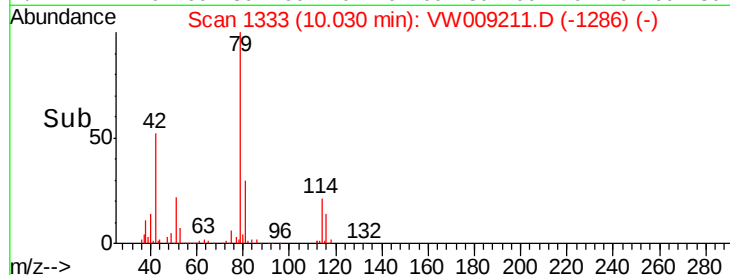
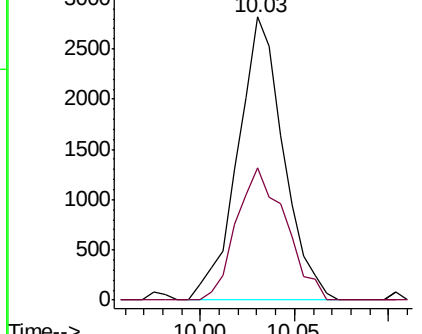
75 100

77 46.6 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#47

Tetrachloroethene

Concen: 31.207 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009211.D

Acq: 16 Mar 2019 15:43

Tgt Ion: 164 Resp: 122598

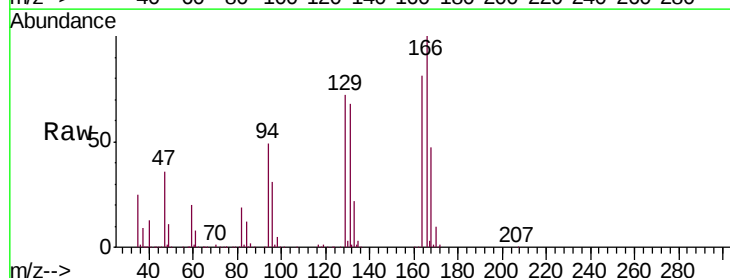
Ion Ratio Lower Upper

164 100

129 88.9 66.5 123.5

131 83.8 62.6 116.3

166 123.8 91.6 170.0

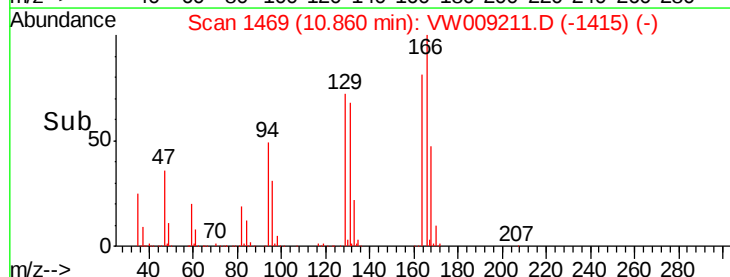
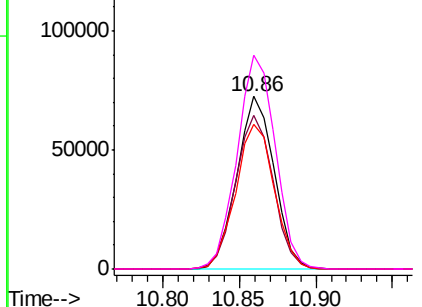


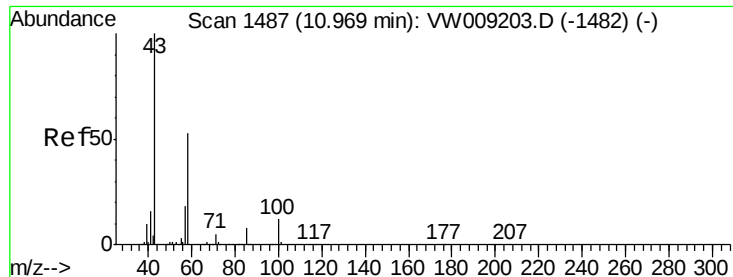
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 2.477 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009211.D

Acq: 16 Mar 2019 15:43

Instrument :

MSVOA_W

ClientSampleId :

BF0X8

Tgt Ion: 43 Resp: 7077

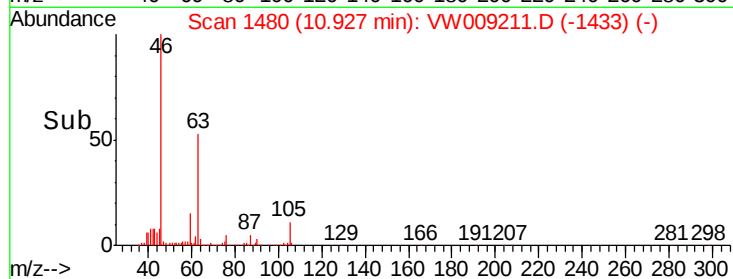
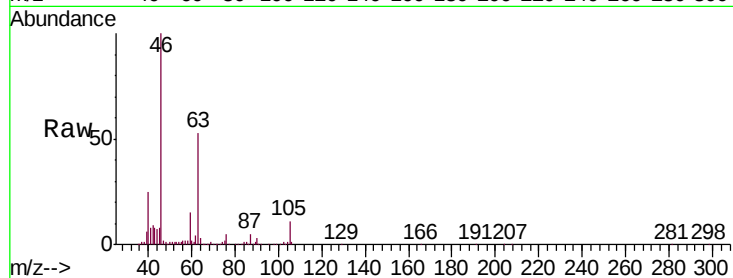
Ion Ratio Lower Upper

43 100

58 29.8 39.2 58.8#

57 28.3 14.2 21.2#

100 2.4 8.9 13.3#



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

