

Data File : VW009210.D
Acq On : 16 Mar 2019 15:16
Operator : SY/VA
Sample : K1939-22
Misc : 5.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0Y5

Quant Time: Mar 18 02:44:02 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	467010	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	441133	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214190	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	142274	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
7) Chloroethane-d5	2.89	69	128468	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
10) 1,1-Dichloroethene-d2	4.01	63	208589	17.29	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.16%
20) 2-Butanone-d5	7.08	46	86468	37.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.94%
24) Chloroform-d	7.64	84	277897	21.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	8.41	65	222	0.03	ug/L	0.10
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.27	84	543925	22.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.44%
33) 1,2-Dichloropropane-d6	9.27	67	158312	21.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.68%
37) Toluene-d8	10.32	98	488152	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.80%
38) trans-1,3-Dichloropropene-	10.57	79	73681	20.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.32%
39) 2-Hexanone-d5	10.93	63	66859	37.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141122	19.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	182008	22.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.64%

Target Compounds

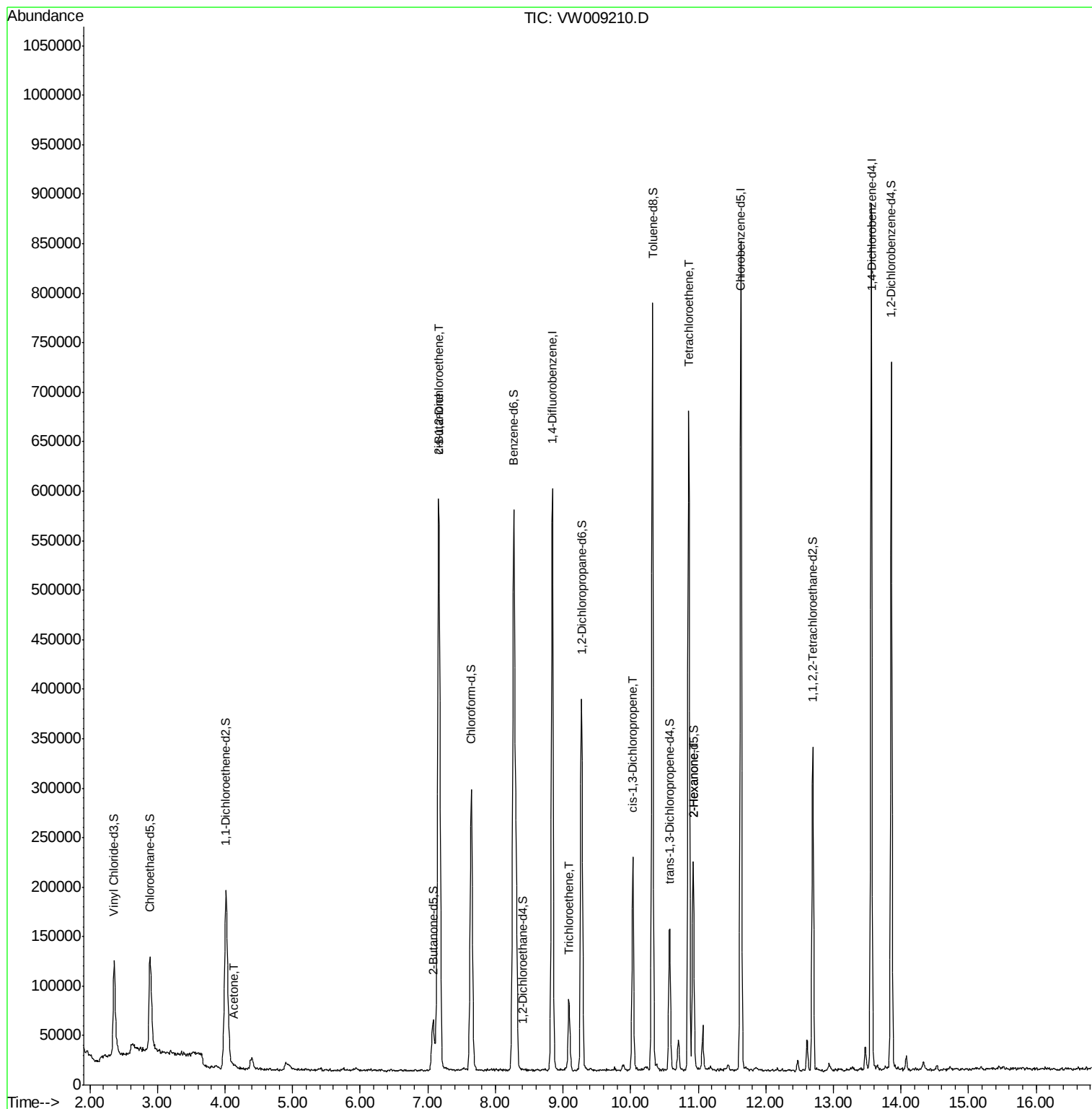
					Qvalue
13) Acetone	4.12	43	4306	2.275 ug/L	98
21) 2-Butanone	7.15	43	2415	0.924 ug/L #	1
22) cis-1,2-Dichloroethene	7.17	96	302446	46.176 ug/L	98
35) Trichloroethene	9.09	95	22492	3.496 ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	5940	0.589 ug/L #	69
47) Tetrachloroethene	10.86	164	139655	25.690 ug/L	96
49) 2-Hexanone	10.93	43	9188	2.324 ug/L #	68

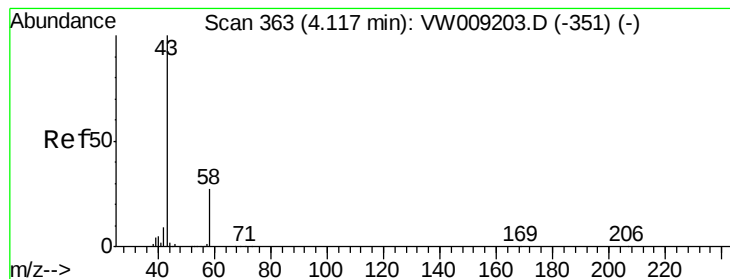
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 2.275 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009210.D

Acq: 16 Mar 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

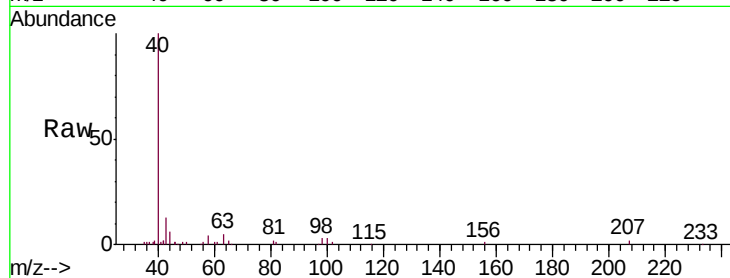
BF0Y5

Tgt Ion: 43 Resp: 4306

Ion Ratio Lower Upper

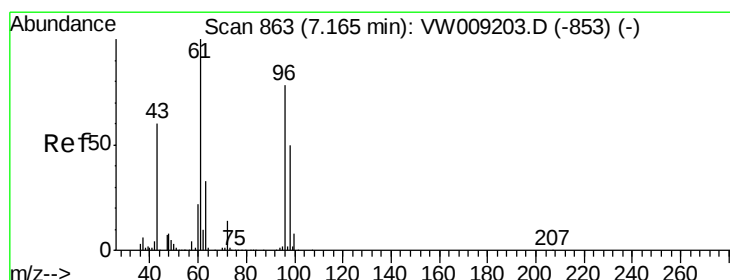
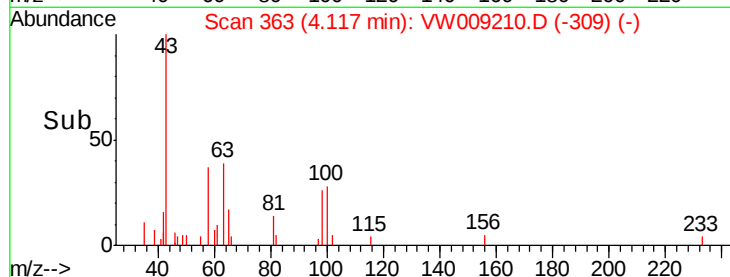
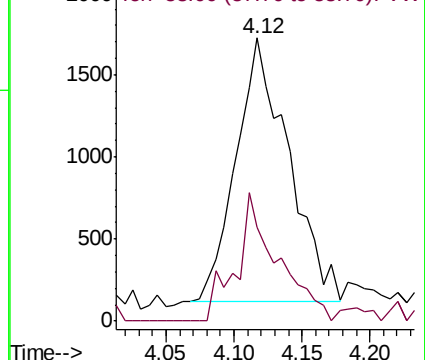
43 100

58 29.4 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 0.924 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW009210.D

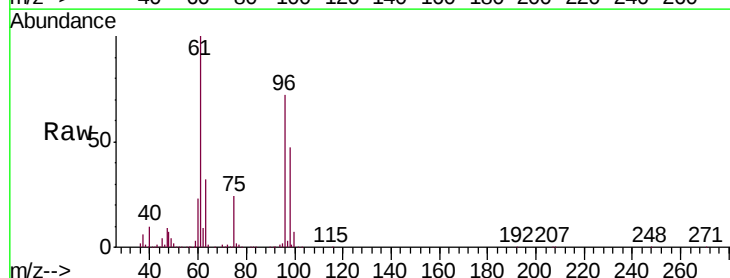
Acq: 16 Mar 2019 15:16

Tgt Ion: 43 Resp: 2415

Ion Ratio Lower Upper

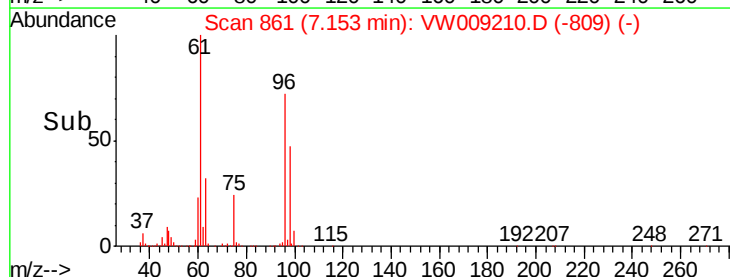
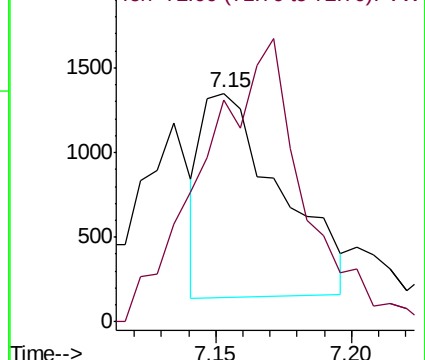
43 100

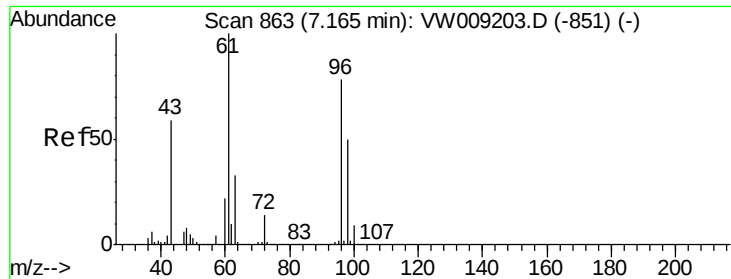
72 171.7 13.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



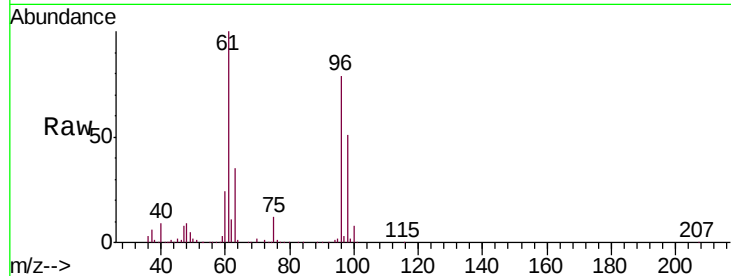


#22

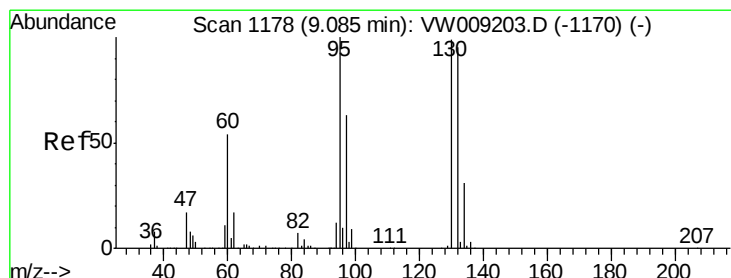
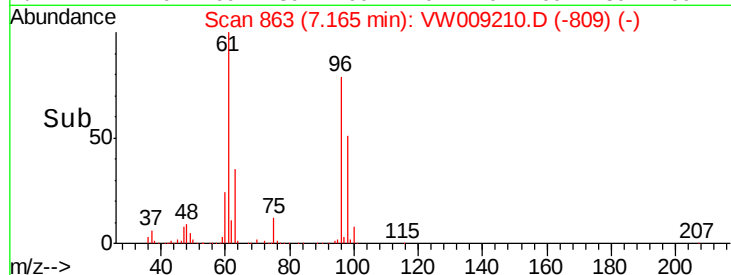
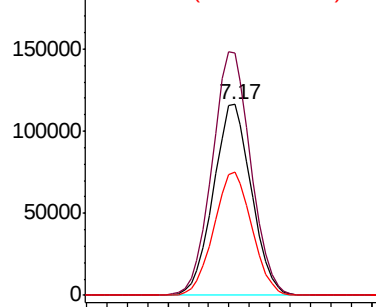
cis-1,2-Dichloroethene
Concen: 46.176 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009210.D
Acq: 16 Mar 2019 15:16

Instrument :
MSVOA_W
ClientSampleId :
BF0Y5

Tgt Ion: 96 Resp: 302446
Ion Ratio Lower Upper
96 100
61 127.1 90.6 168.3
98 64.5 44.0 81.8



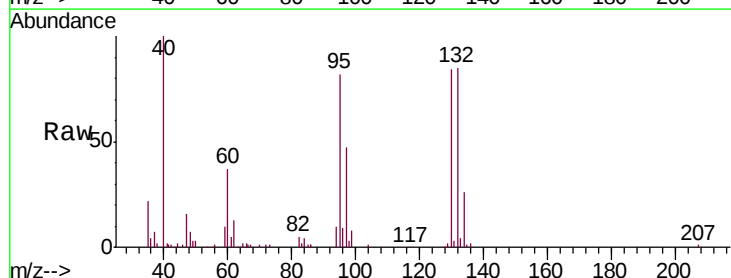
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



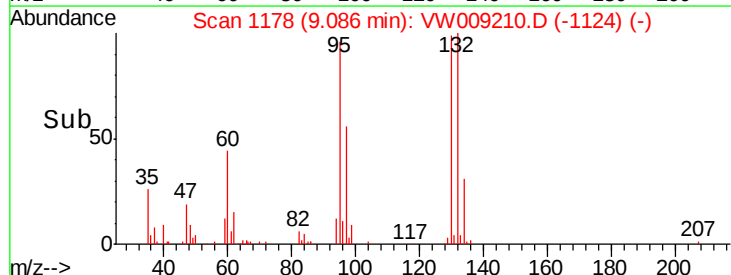
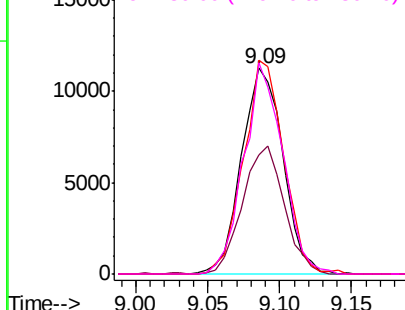
#35

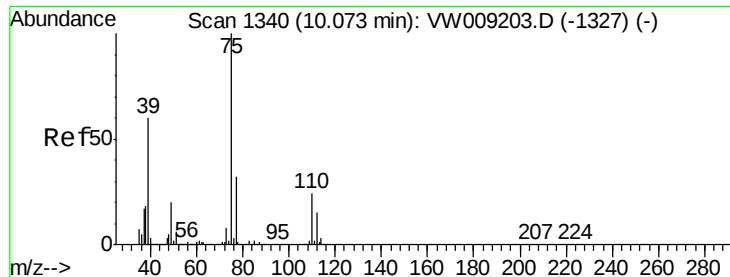
Trichloroethene
Concen: 3.496 ug/L
RT: 9.09 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VW009210.D
Acq: 16 Mar 2019 15:16

Tgt Ion: 95 Resp: 22492
Ion Ratio Lower Upper
95 100
97 62.3 44.7 82.9
132 100.2 69.0 128.2
130 96.3 72.7 134.9



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





#42

cis-1,3-Dichloropropene

Concen: 0.589 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009210.D

Acq: 16 Mar 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

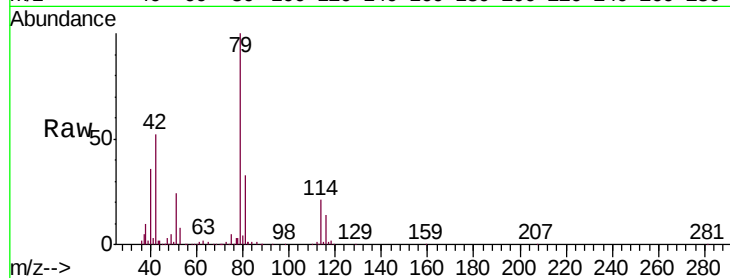
BF0Y5

Tgt Ion: 75 Resp: 5940

Ion Ratio Lower Upper

75 100

77 48.1 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW009210.D (-1286) (-)

Ion 77.00 (76.70 to 77.70): VW009210.D (-1286) (-)

10.04

3000

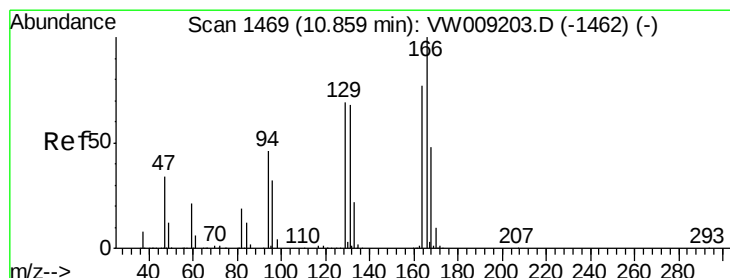
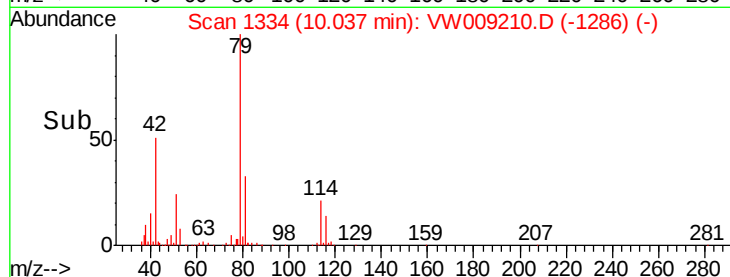
2000

1000

0

9.95 10.00 10.05 10.10

Time-->



#47

Tetrachloroethene

Concen: 25.690 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009210.D

Acq: 16 Mar 2019 15:16

Tgt Ion: 164 Resp: 139655

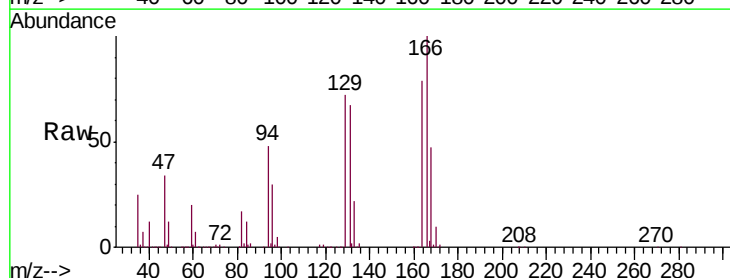
Ion Ratio Lower Upper

164 100

129 91.3 66.5 123.5

131 84.6 62.6 116.3

166 127.2 91.6 170.0



Abundance Ion 164.00 (163.70 to 164.70): VW009210.D (-1415) (-)

Ion 129.00 (128.70 to 129.70): VW009210.D (-1415) (-)

Ion 131.00 (130.70 to 131.70): VW009210.D (-1415) (-)

Ion 166.00 (165.70 to 166.70): VW009210.D (-1415) (-)

150000

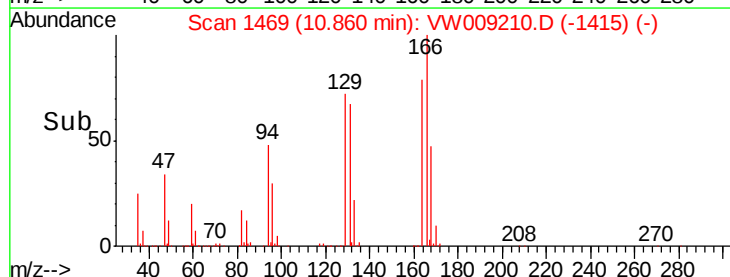
100000

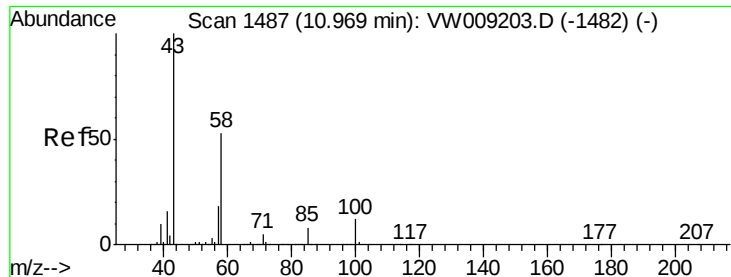
50000

0

10.80 10.85 10.90

Time-->





#49

2-Hexanone

Concen: 2.324 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009210.D

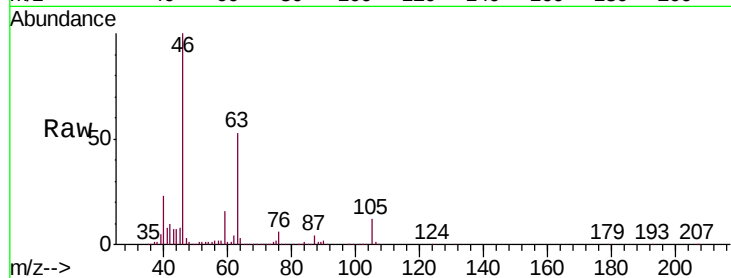
Acq: 16 Mar 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

BF0Y5



Tgt Ion: 43 Resp: 9188

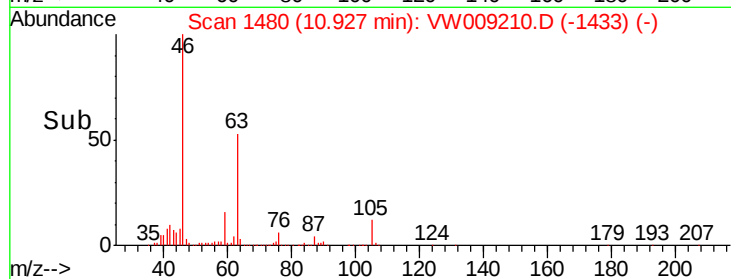
Ion Ratio Lower Upper

43 100

58 26.6 39.2 58.8#

57 31.3 14.2 21.2#

100 0.0 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

