

Data File : VW009209.D
Acq On : 16 Mar 2019 14:49
Operator : SY/VA
Sample : K1939-21
Misc : 5.21G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0Y4

Quant Time: Mar 18 02:43:53 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	430661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	409046	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195049	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145453	28.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.04%
7) Chloroethane-d5	2.89	69	131902	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.60%
10) 1,1-Dichloroethene-d2	4.01	63	217872	19.59	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.36%
20) 2-Butanone-d5	7.08	46	99536	46.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.54%
24) Chloroform-d	7.65	84	281510	23.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	8.39	65	101	0.01	ug/L	0.09
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	546957	24.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.00%
33) 1,2-Dichloropropane-d6	9.27	67	163524	24.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.52%
37) Toluene-d8	10.32	98	493975	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.72%
38) trans-1,3-Dichloropropene-	10.58	79	76839	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.32%
39) 2-Hexanone-d5	10.93	63	77375	47.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152261	22.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	186317	24.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.64%

Target Compounds

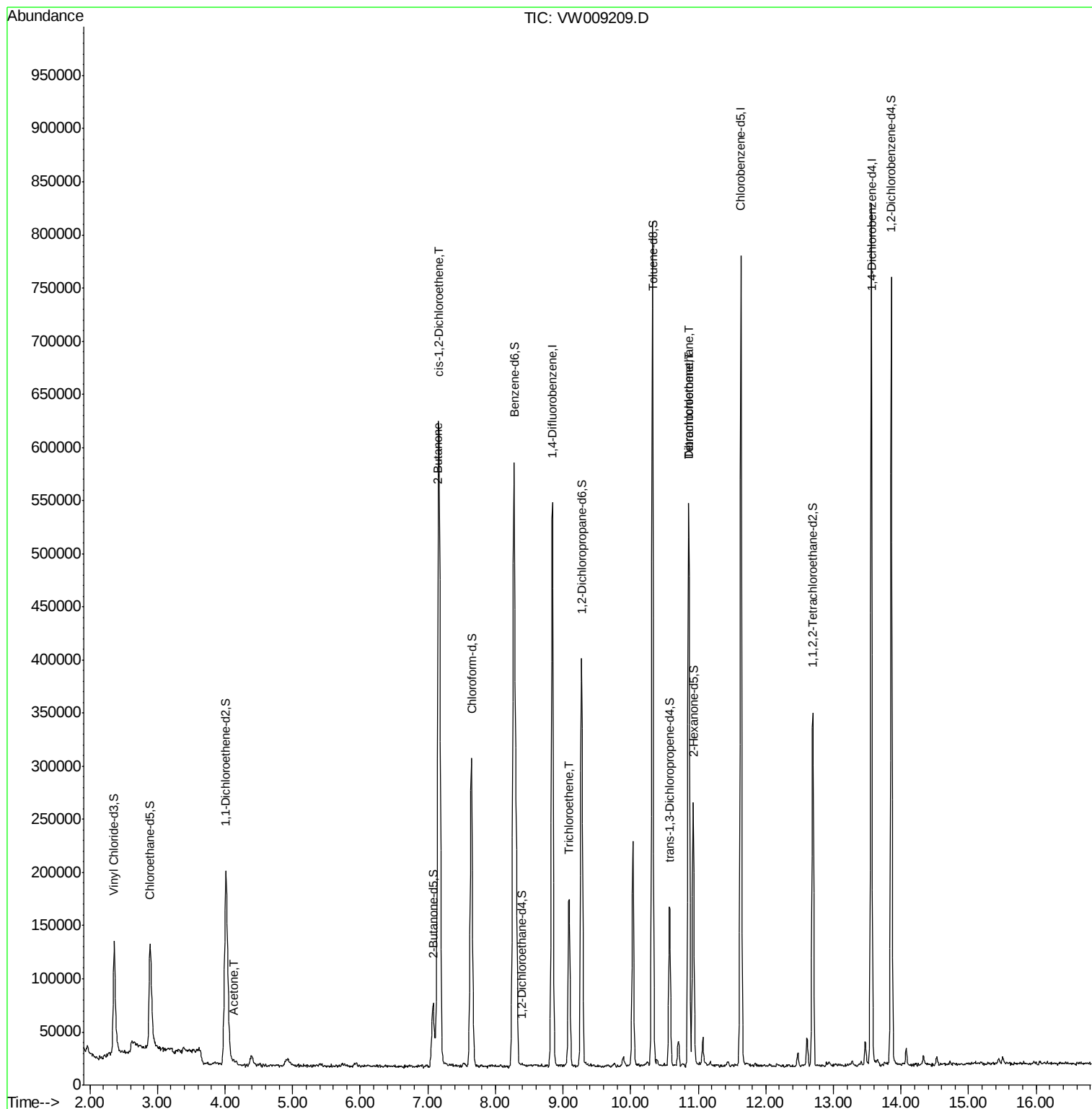
					Qvalue
13) Acetone	4.13	43	2894	1.658 ug/L	95
21) 2-Butanone	7.15	43	1558	0.646 ug/L #	1
22) cis-1,2-Dichloroethene	7.17	96	331323	54.854 ug/L	97
35) Trichloroethene	9.09	95	52770	8.845 ug/L	98
47) Tetrachloroethene	10.86	164	116806	23.172 ug/L	98
50) Dibromochloromethane	10.86	129	106809	18.877 ug/L #	9

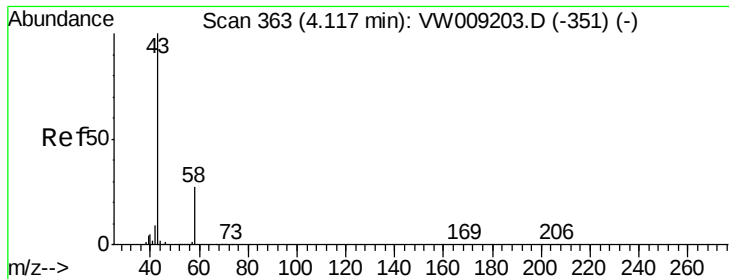
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.658 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 16 Mar 2019 14:49

Instrument :

MSVOA_W

ClientSampled :

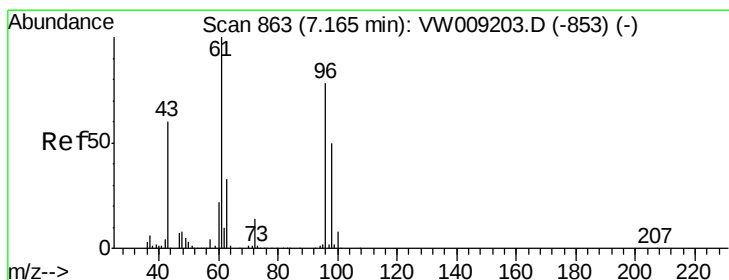
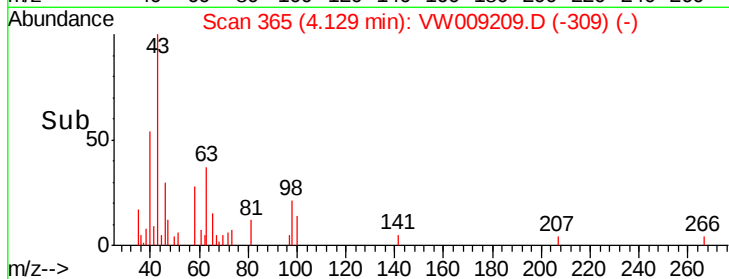
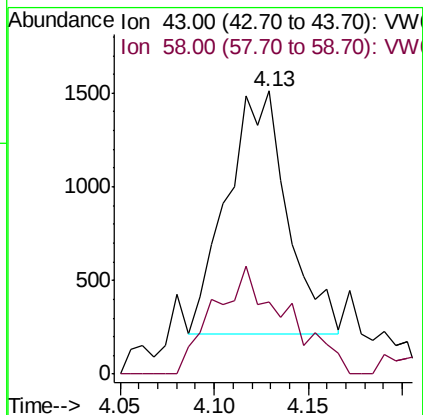
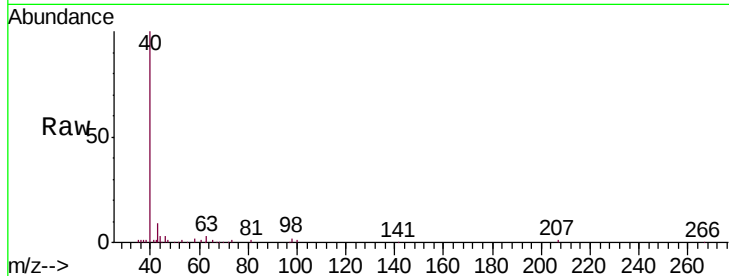
BF0Y4

Tgt Ion: 43 Resp: 2894

Ion Ratio Lower Upper

43 100

58 25.7 0.0 56.2



#21

2-Butanone

Concen: 0.646 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

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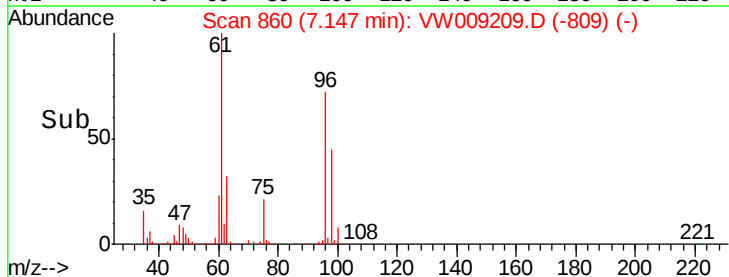
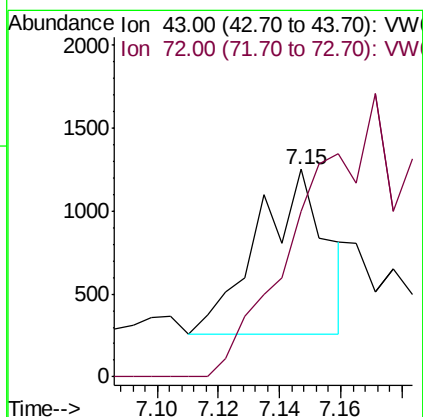
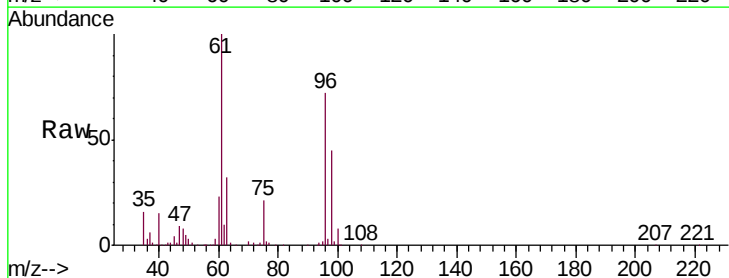
Acq: 16 Mar 2019 14:49

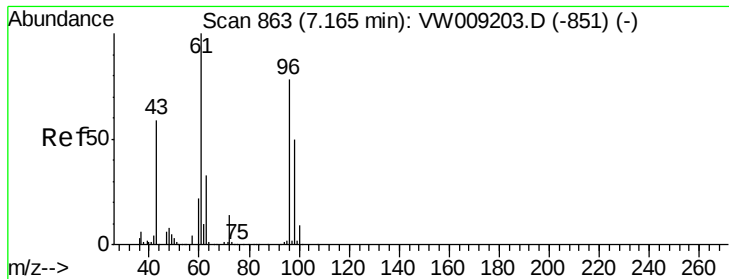
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

72 149.5 13.1 39.1#



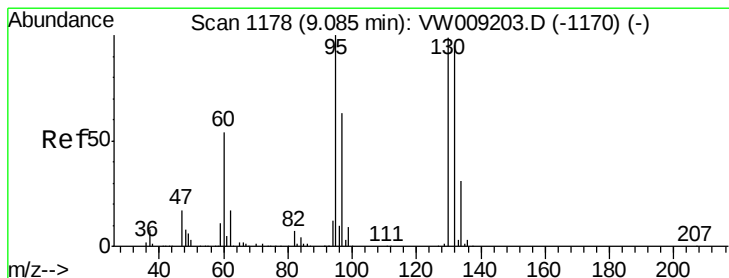
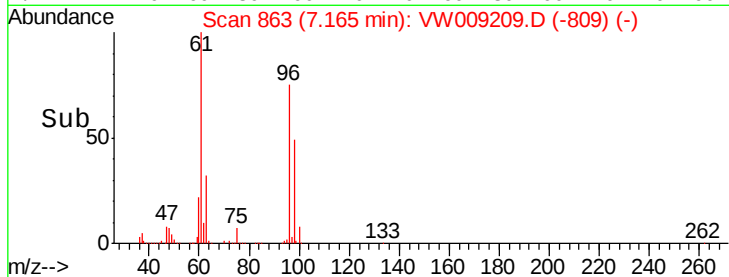
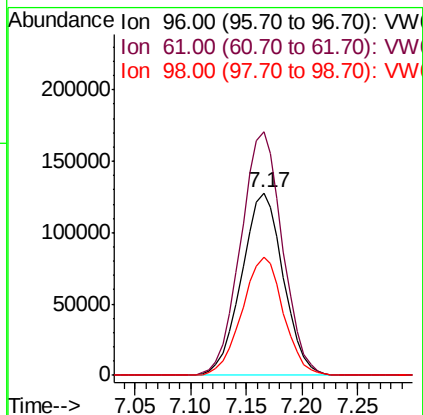
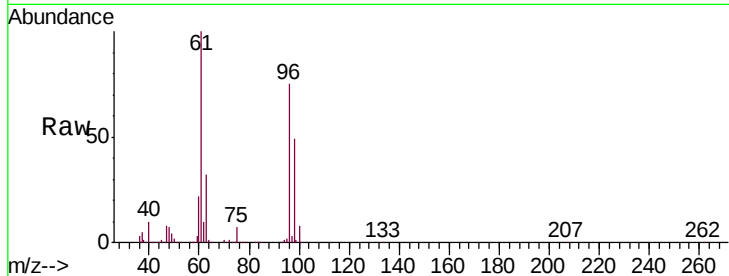


#22

cis-1,2-Dichloroethene
Concen: 54.854 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009209.D
Acq: 16 Mar 2019 14:49

Instrument :
MSVOA_W
ClientSampleId :
BF0Y4

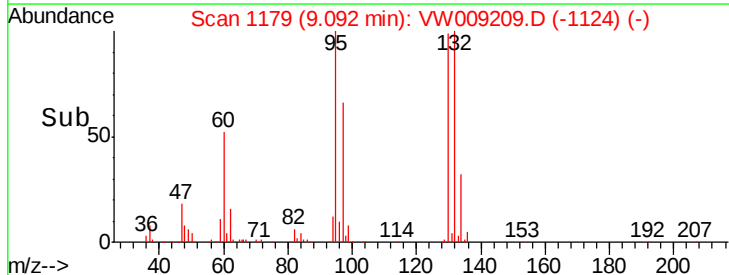
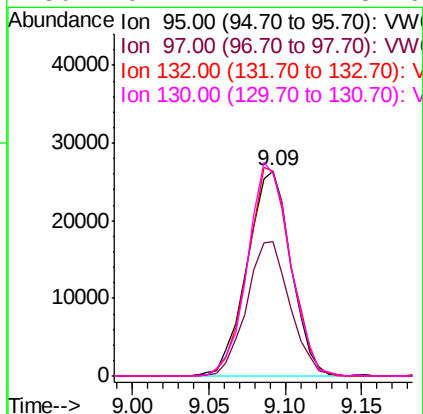
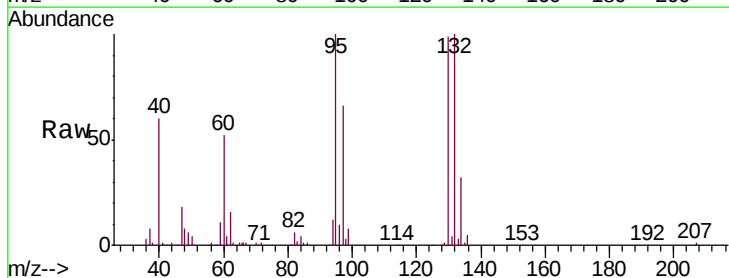
Tgt Ion: 96 Resp: 331323
Ion Ratio Lower Upper
96 100
61 133.3 90.6 168.3
98 65.0 44.0 81.8

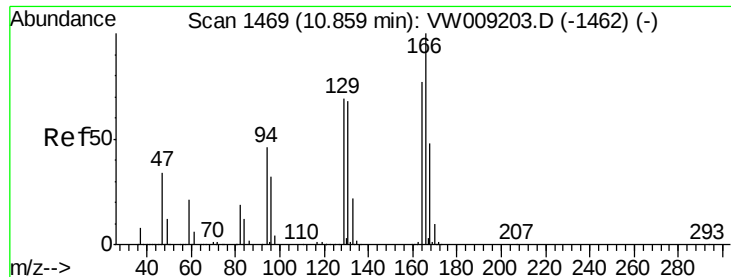


#35

Trichloroethene
Concen: 8.845 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW009209.D
Acq: 16 Mar 2019 14:49

Tgt Ion: 95 Resp: 52770
Ion Ratio Lower Upper
95 100
97 64.9 44.7 82.9
132 100.0 69.0 128.2
130 101.2 72.7 134.9





#47

Tetrachloroethene

Concen: 23.172 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009209.D

Acq: 16 Mar 2019 14:49

Instrument :

MSVOA_W

ClientSampleId :

BF0Y4

Tgt Ion:164 Resp: 116806

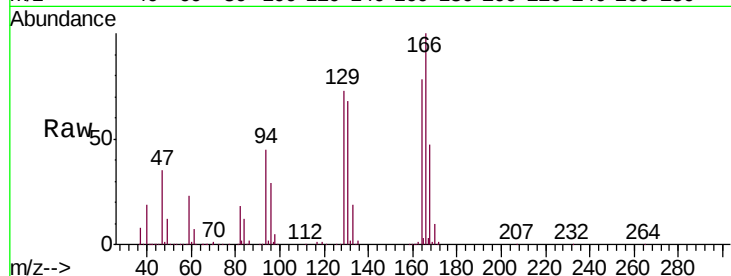
Ion Ratio Lower Upper

164 100

129 93.3 66.5 123.5

131 87.0 62.6 116.3

166 128.6 91.6 170.0

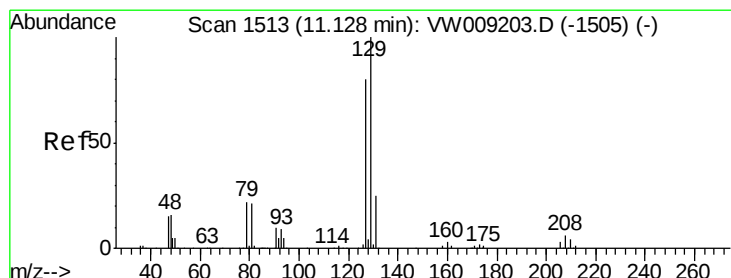
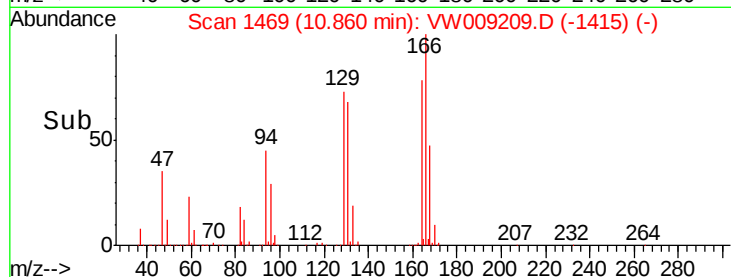
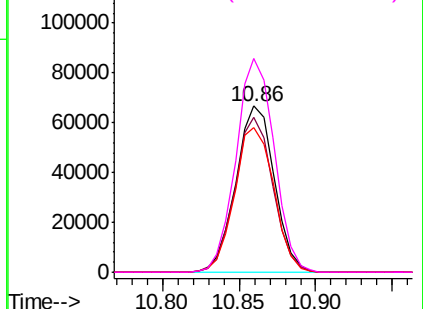


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 18.877 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW009209.D

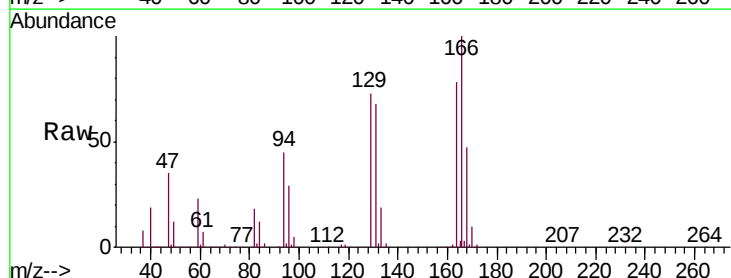
Acq: 16 Mar 2019 14:49

Tgt Ion:129 Resp: 106809

Ion Ratio Lower Upper

129 100

127 0.3 56.8 105.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

