

Data File : VW011129.D
Acq On : 03 Jul 2019 01:43
Operator : SY/VA
Sample : K3599-16
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAM25

Quant Time: Jul 03 05:56:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 05:51:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	271940	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	248586	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	111479	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	62797	15.12	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.48%
7) Chloroethane-d5	2.88	69	47037	16.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.60%
10) 1,1-Dichloroethene-d2	4.01	63	110363	12.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.20%
20) 2-Butanone-d5	7.07	46	82326	50.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.66%
24) Chloroform-d	7.65	84	144224	19.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.40%
26) 1,2-Dichloroethane-d4	8.30	65	97742	21.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.16%
29) Benzene-d6	8.27	84	286719	18.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.88%
33) 1,2-Dichloropropane-d6	9.27	67	101279	20.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.24%
37) Toluene-d8	10.32	98	254120	18.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.48%
38) trans-1,3-Dichloropropene-	10.58	79	36073	17.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.04%
39) 2-Hexanone-d5	10.92	63	49659	43.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93792	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	87172	20.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.48%

Target Compounds

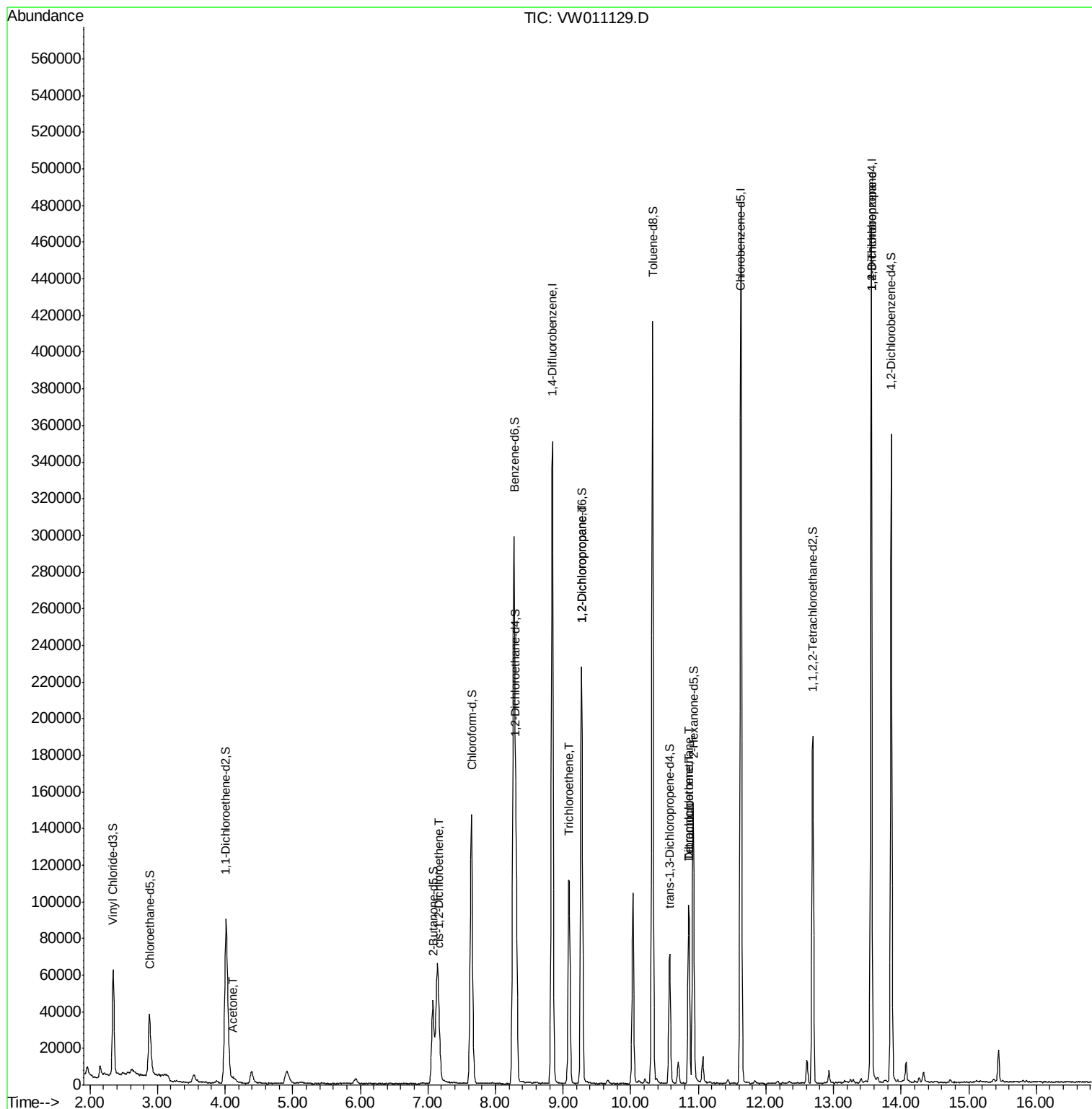
					Qvalue
13) Acetone	4.12	43	4105	2.569 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	10188	2.606 ug/L	84
35) Trichloroethene	9.09	95	39664	10.117 ug/L	98
40) 1,2-Dichloropropane	9.27	63	11831	2.779 ug/L #	88
47) Tetrachloroethene	10.86	164	20782	7.014 ug/L	95
50) Dibromochloromethane	10.86	129	19696	6.274 ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	15412	5.117 ug/L	89

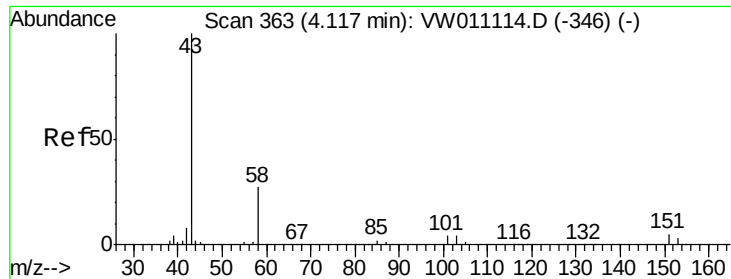
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.569 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

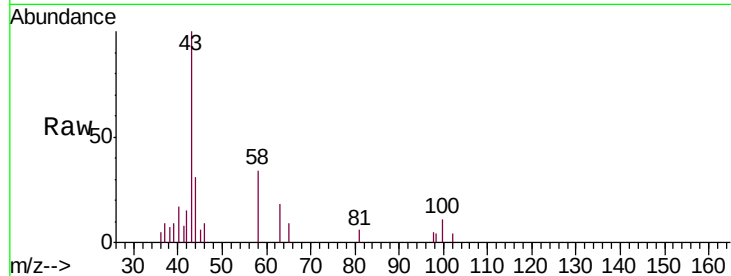
GAM25

Tgt Ion: 43 Resp: 4105

Ion Ratio Lower Upper

43 100

58 26.3 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1500

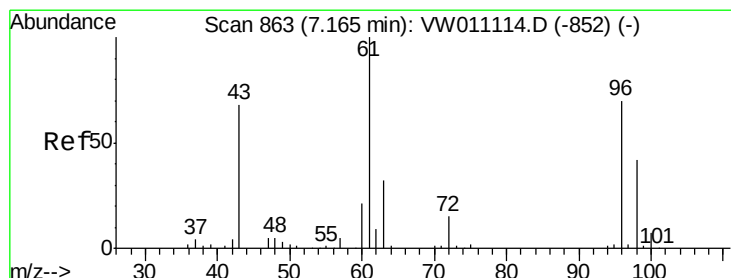
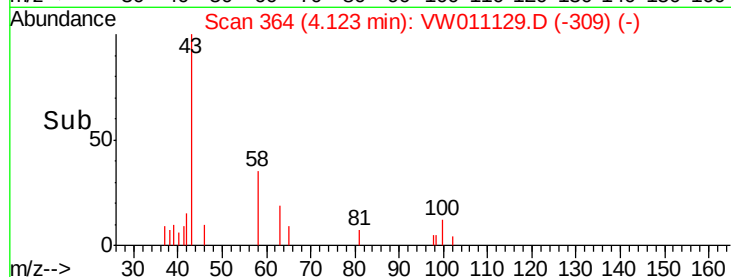
1000

500

0

Time-->

4.05 4.10 4.15 4.20



#22

cis-1,2-Dichloroethene

Concen: 2.606 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

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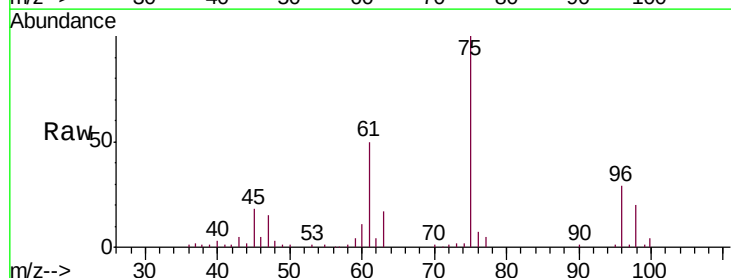
Tgt Ion: 96 Resp: 10188

Ion Ratio Lower Upper

96 100

61 172.0 103.2 191.6

98 70.1 44.8 83.2



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

8000

6000

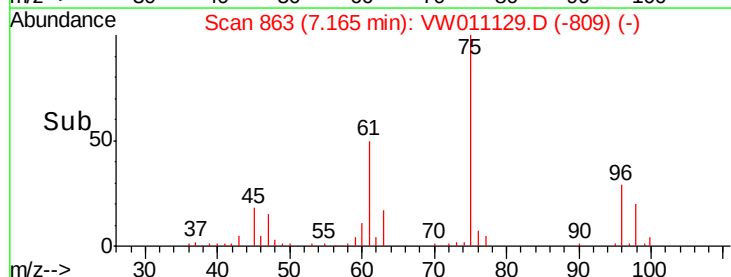
4000

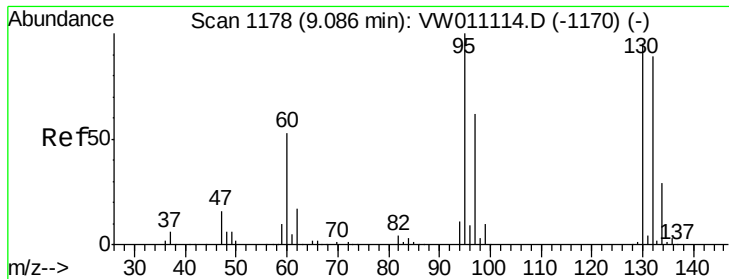
2000

0

Time-->

7.05 7.10 7.15 7.20 7.25





#35

Trichloroethene

Concen: 10.117 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW011129.D

Acq: 03 Jul 2019 01:43

Instrument :

MSVOA_W

ClientSampleId :

GAM25

Tgt Ion: 95 Resp: 39664

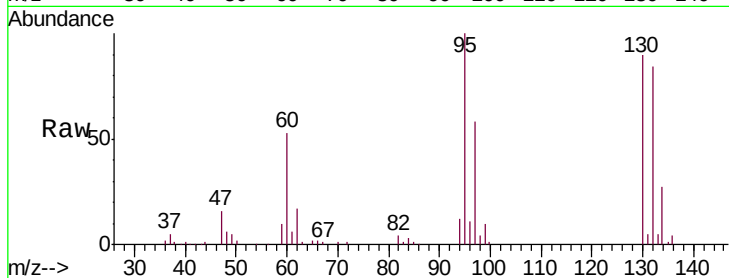
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.2

132 90.1 65.0 120.8

130 94.5 67.8 126.0



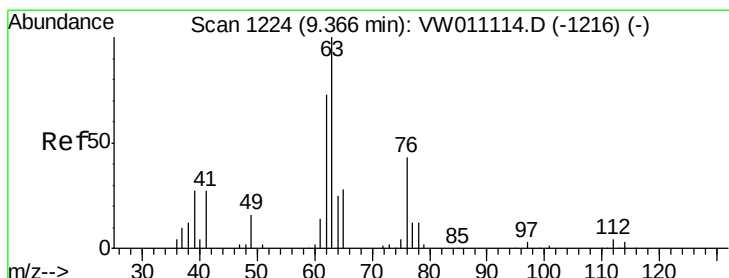
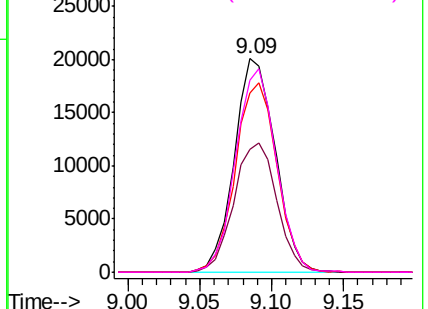
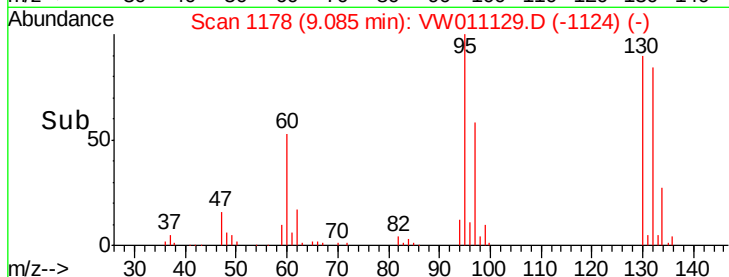
Abundance

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



#40

1,2-Dichloropropane

Concen: 2.779 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW011129.D

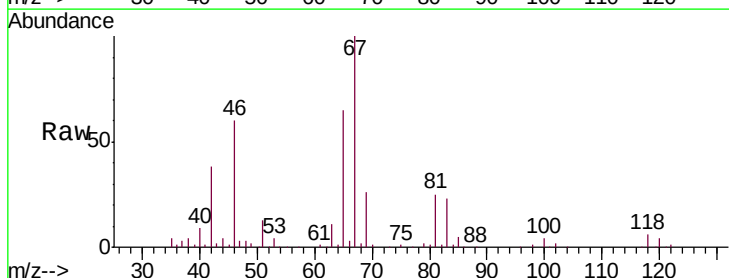
Acq: 03 Jul 2019 01:43

Tgt Ion: 63 Resp: 11831

Ion Ratio Lower Upper

63 100

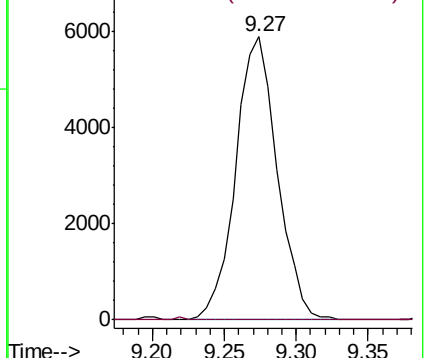
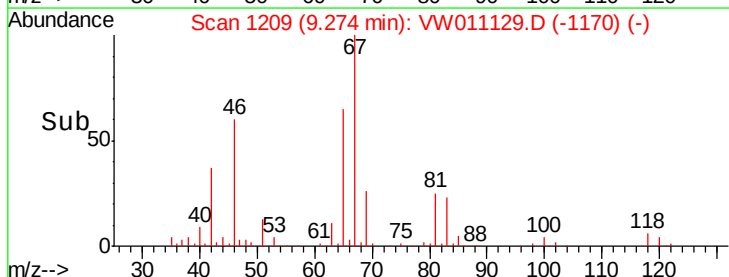
112 0.0 3.0 4.6#

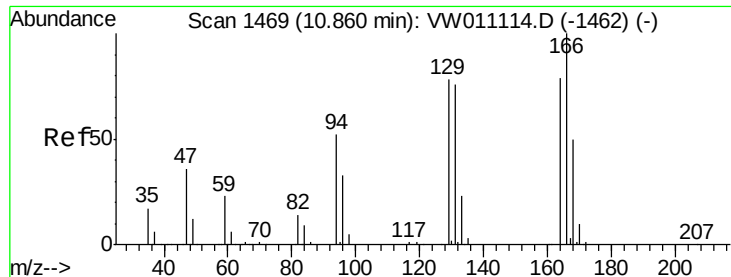


Abundance

Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#47

Tetrachloroethene

Concen: 7.014 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011129.D

Acq: 03 Jul 2019 01:43

Instrument :

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ClientSampleId :

GAM25

Tgt Ion:164 Resp: 20782

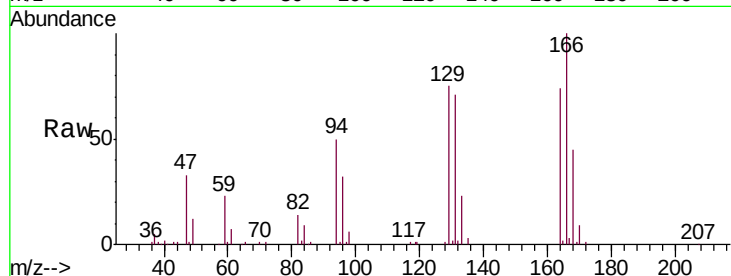
Ion Ratio Lower Upper

164 100

129 101.0 68.5 127.1

131 95.9 64.8 120.4

166 134.3 87.9 163.3

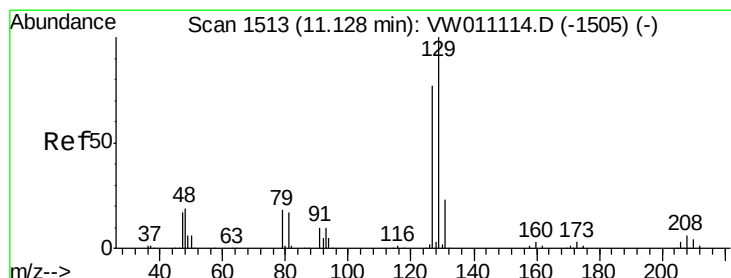
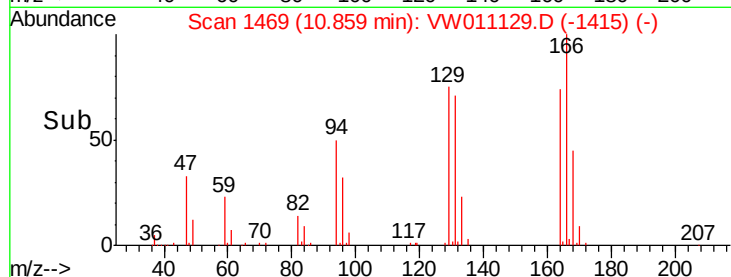
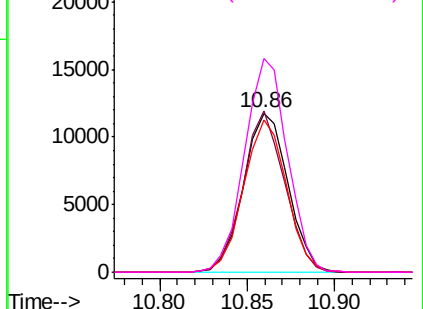


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.274 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW011129.D

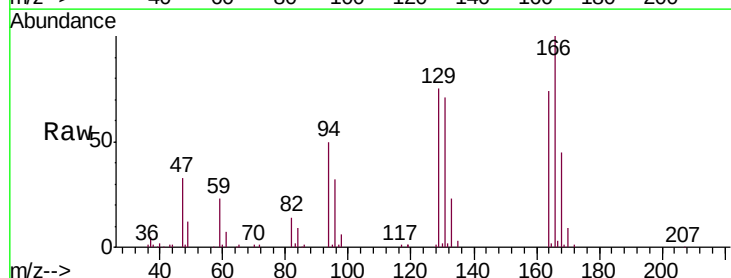
Acq: 03 Jul 2019 01:43

Tgt Ion:129 Resp: 19696

Ion Ratio Lower Upper

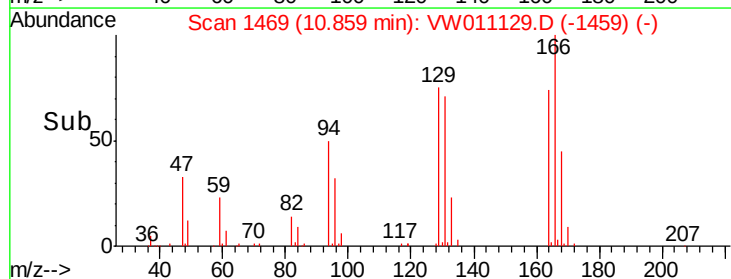
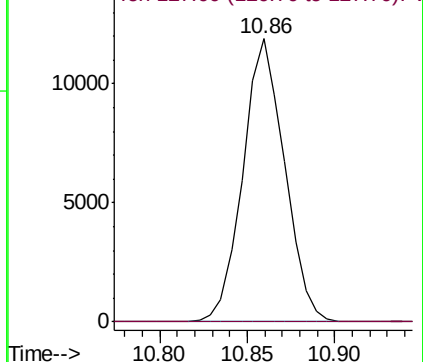
129 100

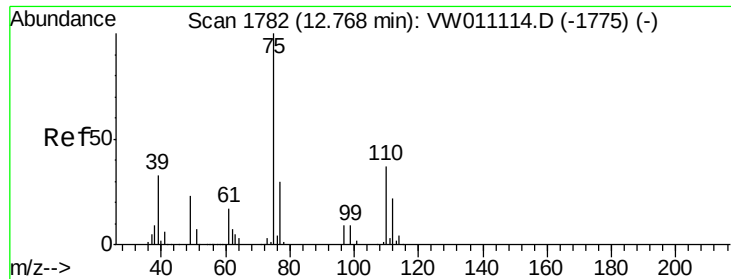
127 0.0 53.3 99.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.117 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011129.D

Acq: 03 Jul 2019 01:43

Instrument :

MSVOA_W

ClientSampleId :

GAM25

Tgt Ion: 75 Resp: 15412

Ion Ratio Lower Upper

75 100

77 37.6 25.4 38.0

