

Data File : VW009282.D
Acq On : 20 Mar 2019 12:54
Operator : SY/VA
Sample : K1986-04
Misc : 5.78G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0B1

Quant Time: Mar 21 10:33:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 21 10:17:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	371671	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321661	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127971	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	112237	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
7) Chloroethane-d5	2.89	69	107296	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.60%
10) 1,1-Dichloroethene-d2	4.01	63	177571	18.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.00%
20) 2-Butanone-d5	7.08	46	105422	57.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.78%
24) Chloroform-d	7.64	84	236565	23.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.28%
26) 1,2-Dichloroethane-d4	8.31	65	151707	24.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.32%
29) Benzene-d6	8.27	84	445672	25.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.48%
33) 1,2-Dichloropropane-d6	9.27	67	140996	26.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.84%
37) Toluene-d8	10.32	98	382181	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.20%
38) trans-1,3-Dichloropropene-	10.58	79	63974	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.64%
39) 2-Hexanone-d5	10.93	63	77168	59.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138307	26.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	119574	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

					Qvalue
13) Acetone	4.12	43	12473	8.281 ug/L	74
18) trans-1,2-Dichloroethene	5.42	96	5673	1.179 ug/L	89
21) 2-Butanone	7.18	43	1024	0.492 ug/L #	1
22) cis-1,2-Dichloroethene	7.17	96	200054	38.378 ug/L	99
35) Trichloroethene	9.09	95	166432	35.477 ug/L	99
47) Tetrachloroethene	10.86	164	38811	9.791 ug/L	94
50) Dibromochloromethane	10.86	129	37174	8.355 ug/L #	9
59) 1,2,3-Trichloropropane	13.55	75	17492	4.847 ug/L	92

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
BF0B1

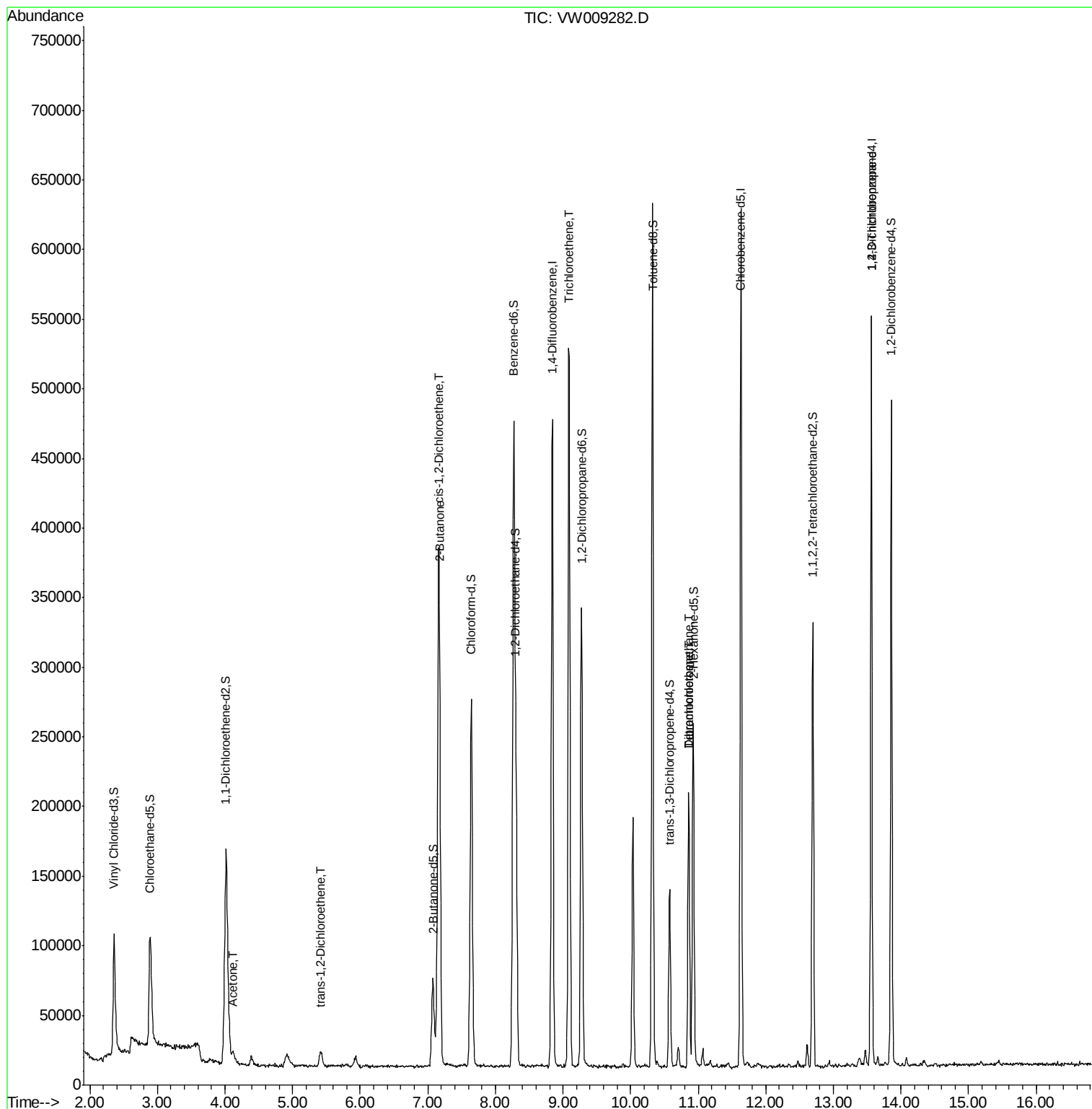
Quant Time: Mar 21 10:33:00 2019

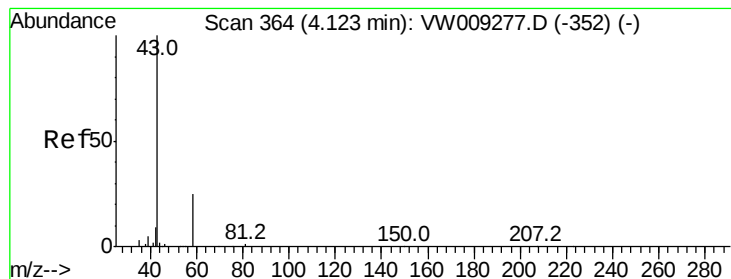
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 21 10:17:44 2019

Response via : Initial Calibration





#13

Acetone

Concen: 8.281 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009282.D

Acq: 20 Mar 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

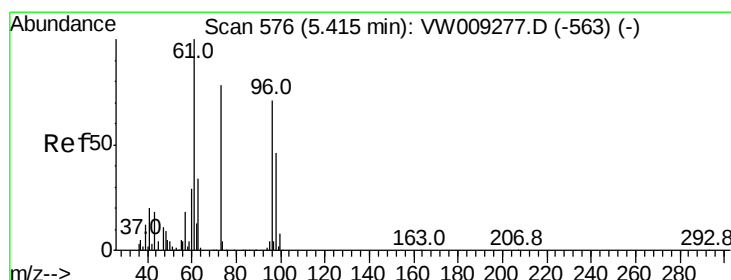
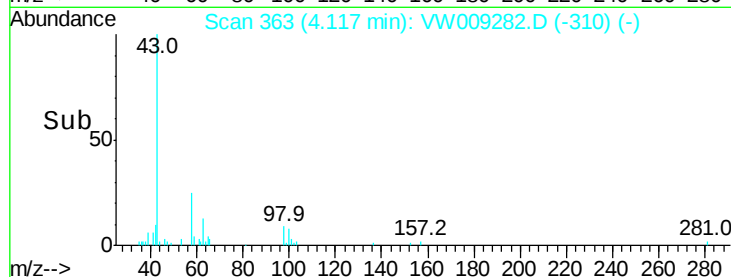
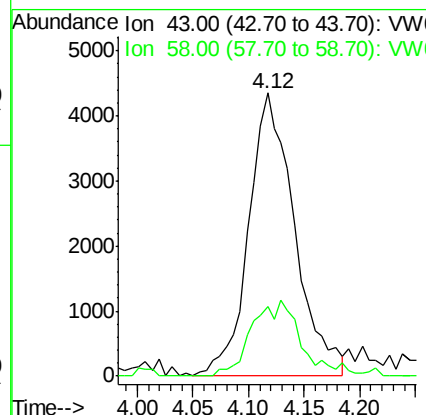
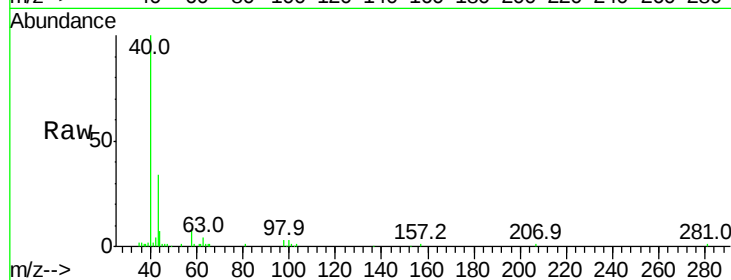
BF0B1

Tgt Ion: 43 Resp: 12473

Ion Ratio Lower Upper

43 100

58 14.6 0.0 56.2



#18

trans-1,2-Dichloroethene

Concen: 1.179 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009282.D

Acq: 20 Mar 2019 12:54

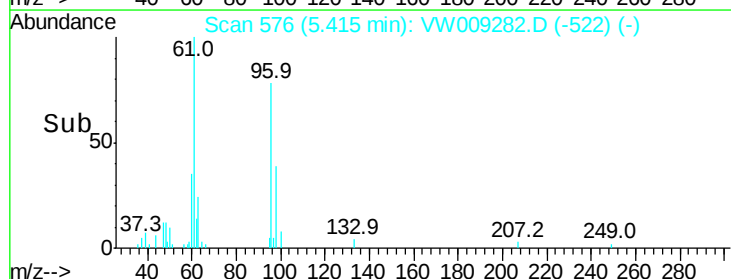
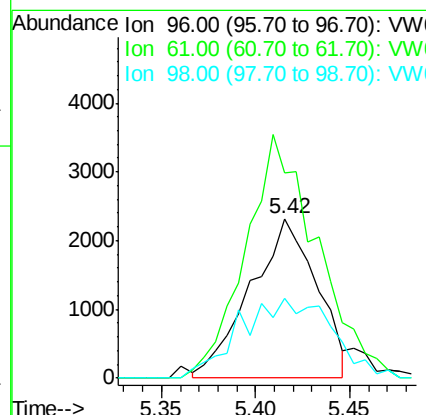
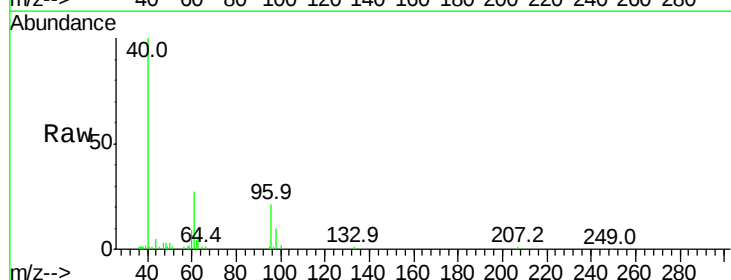
Tgt Ion: 96 Resp: 5673

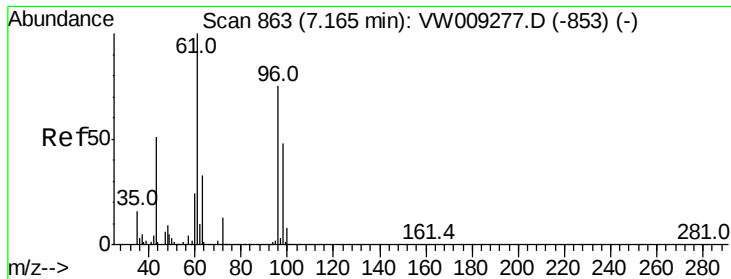
Ion Ratio Lower Upper

96 100

61 128.7 96.7 179.5

98 49.9 43.8 81.4





#21

2-Butanone

Concen: 0.492 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009282.D

Acq: 20 Mar 2019 12:54

Instrument :

MSVOA_W

ClientSampled :

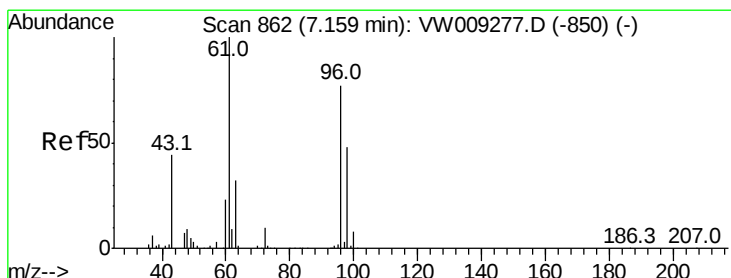
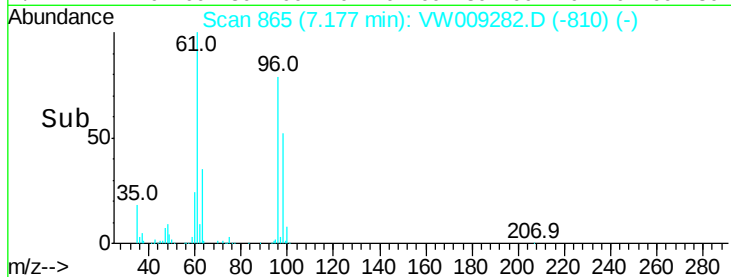
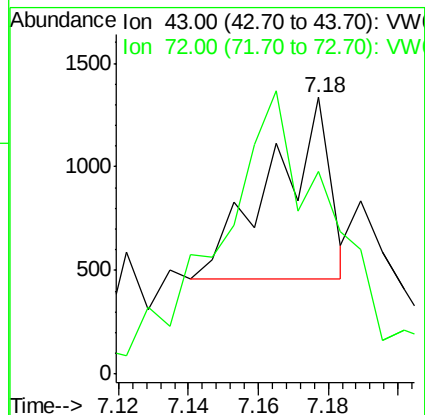
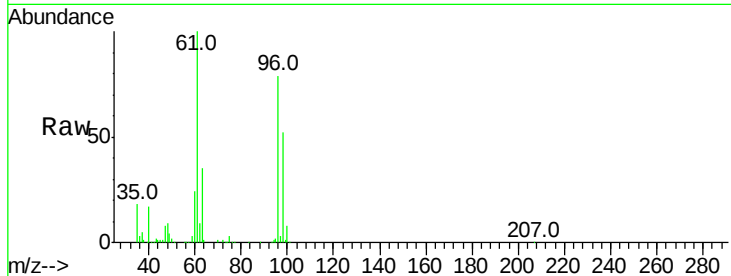
BF0B1

Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

72 289.5 13.1 39.1#



#22

cis-1,2-Dichloroethene

Concen: 38.378 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009282.D

Acq: 20 Mar 2019 12:54

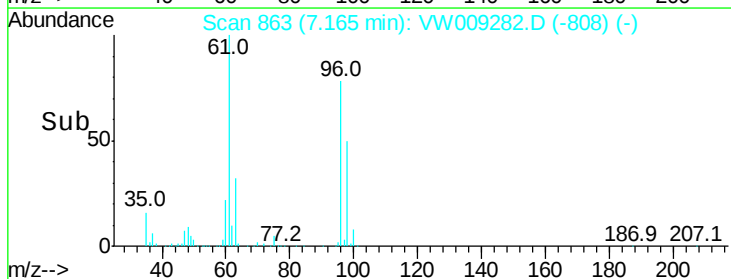
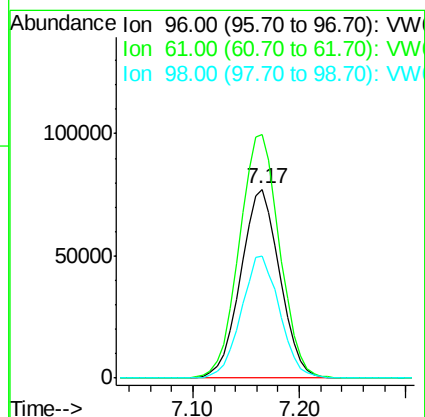
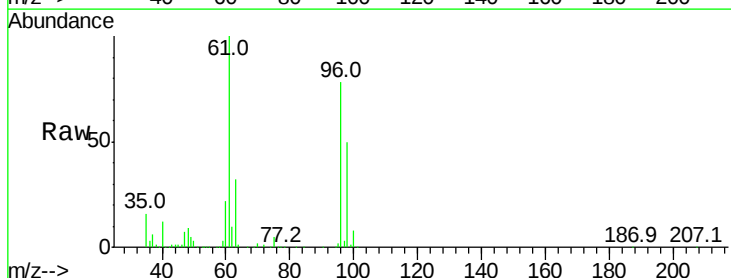
Tgt Ion: 96 Resp: 200054

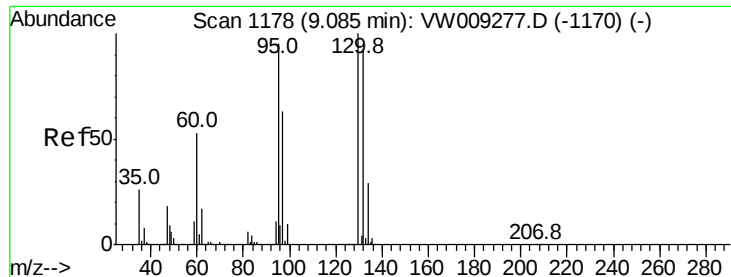
Ion Ratio Lower Upper

96 100

61 128.7 90.6 168.3

98 64.2 44.0 81.8





#35

Trichloroethene

Concen: 35.477 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009282.D

Acq: 20 Mar 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

BF0B1

Tgt Ion: 95 Resp: 166432

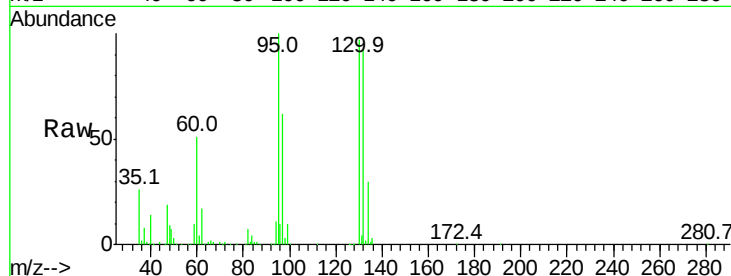
Ion Ratio Lower Upper

95 100

97 64.7 44.7 82.9

132 97.7 69.0 128.2

130 101.9 72.7 134.9

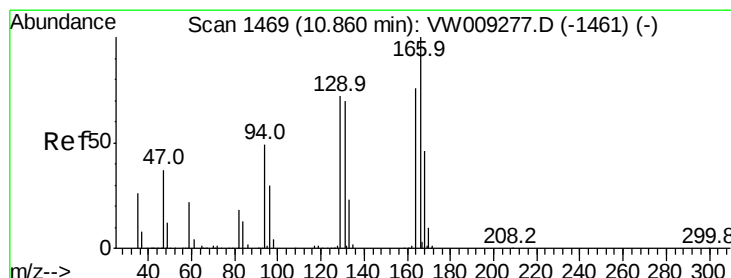
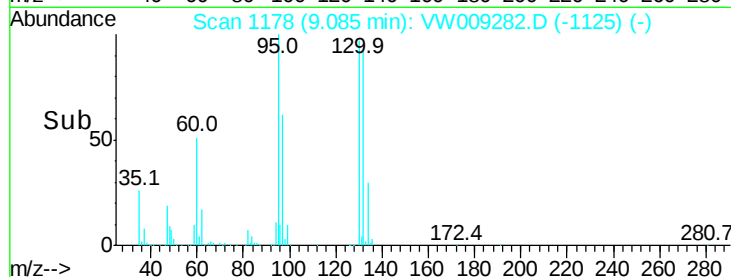
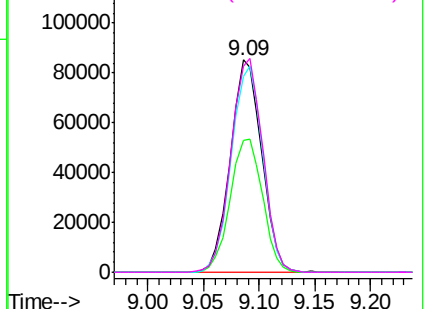


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#47

Tetrachloroethene

Concen: 9.791 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009282.D

Acq: 20 Mar 2019 12:54

Tgt Ion: 164 Resp: 38811

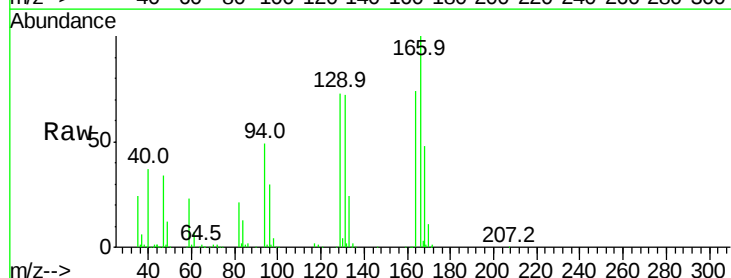
Ion Ratio Lower Upper

164 100

129 99.2 66.5 123.5

131 97.8 62.6 116.3

166 135.8 91.6 170.0

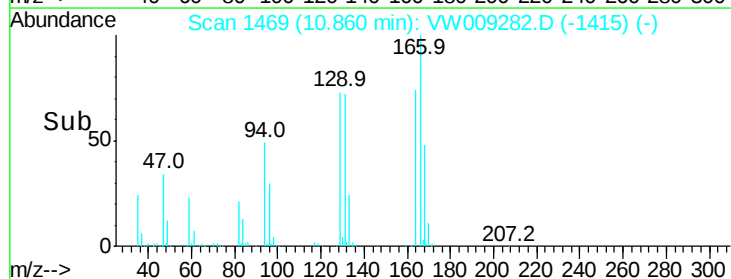
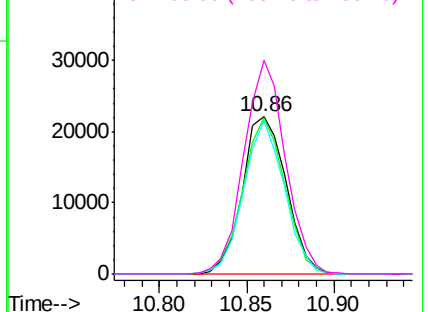


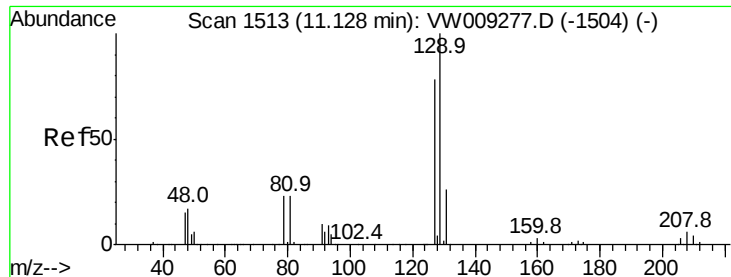
Abundance Ion 164.00 (163.70 to 164.70): V

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

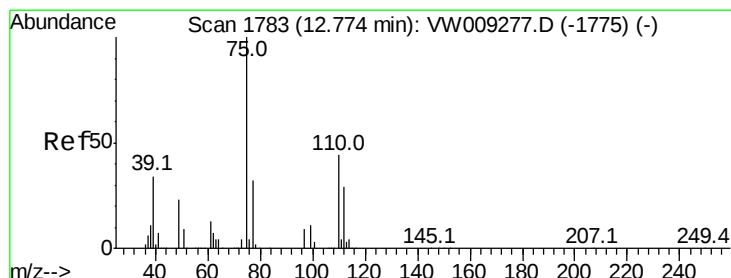
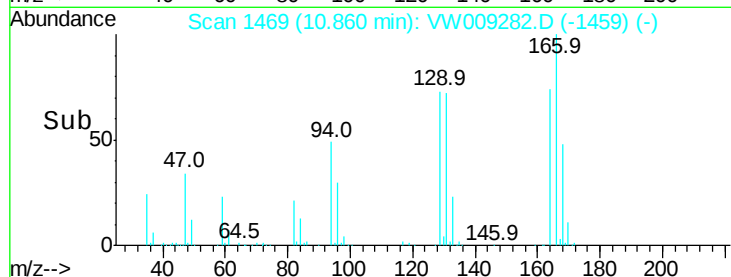
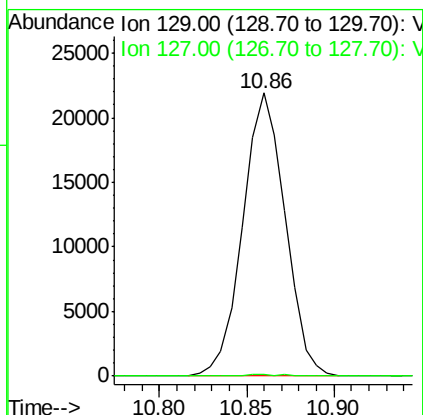
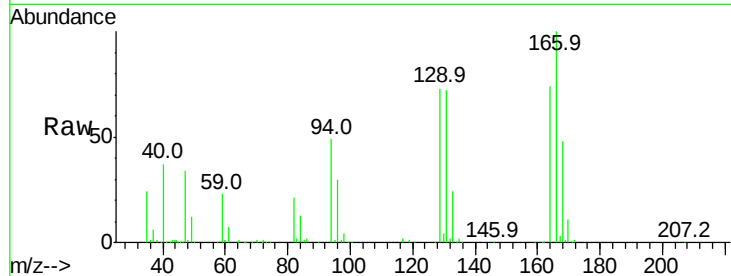




#50
 Dibromochloromethane
 Concen: 8.355 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW009282.D
 Acq: 20 Mar 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0B1

Tgt Ion: 129 Resp: 37174
 Ion Ratio Lower Upper
 129 100
 127 0.5 56.8 105.6#



#59
 1,2,3-Trichloropropane
 Concen: 4.847 ug/L
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.79 min
 Lab File: VW009282.D
 Acq: 20 Mar 2019 12:54

Tgt Ion: 75 Resp: 17492
 Ion Ratio Lower Upper
 75 100
 77 37.2 26.2 39.2

