

Data File : VW009191.D
Acq On : 15 Mar 2019 00:55
Operator : SY/VA
Sample : K1838-20
Misc : 5.82G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF182

Quant Time: Mar 15 06:58:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 06:53:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	355450	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	343535	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163213	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	121817	28.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.72%
7) Chloroethane-d5	2.89	69	107099	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
10) 1,1-Dichloroethene-d2	4.02	63	184610	20.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.44%
20) 2-Butanone-d5	7.07	46	80704	45.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.88%
24) Chloroform-d	7.65	84	219941	22.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.68%
26) 1,2-Dichloroethane-d4	8.31	65	133254	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.20%
29) Benzene-d6	8.27	84	433536	22.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.52%
33) 1,2-Dichloropropane-d6	9.27	67	128079	22.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.04%
37) Toluene-d8	10.32	98	392056	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.52%
38) trans-1,3-Dichloropropene-	10.57	79	57872	20.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.00%
39) 2-Hexanone-d5	10.92	63	65026	47.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122481	21.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	146433	23.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.60%

Target Compounds

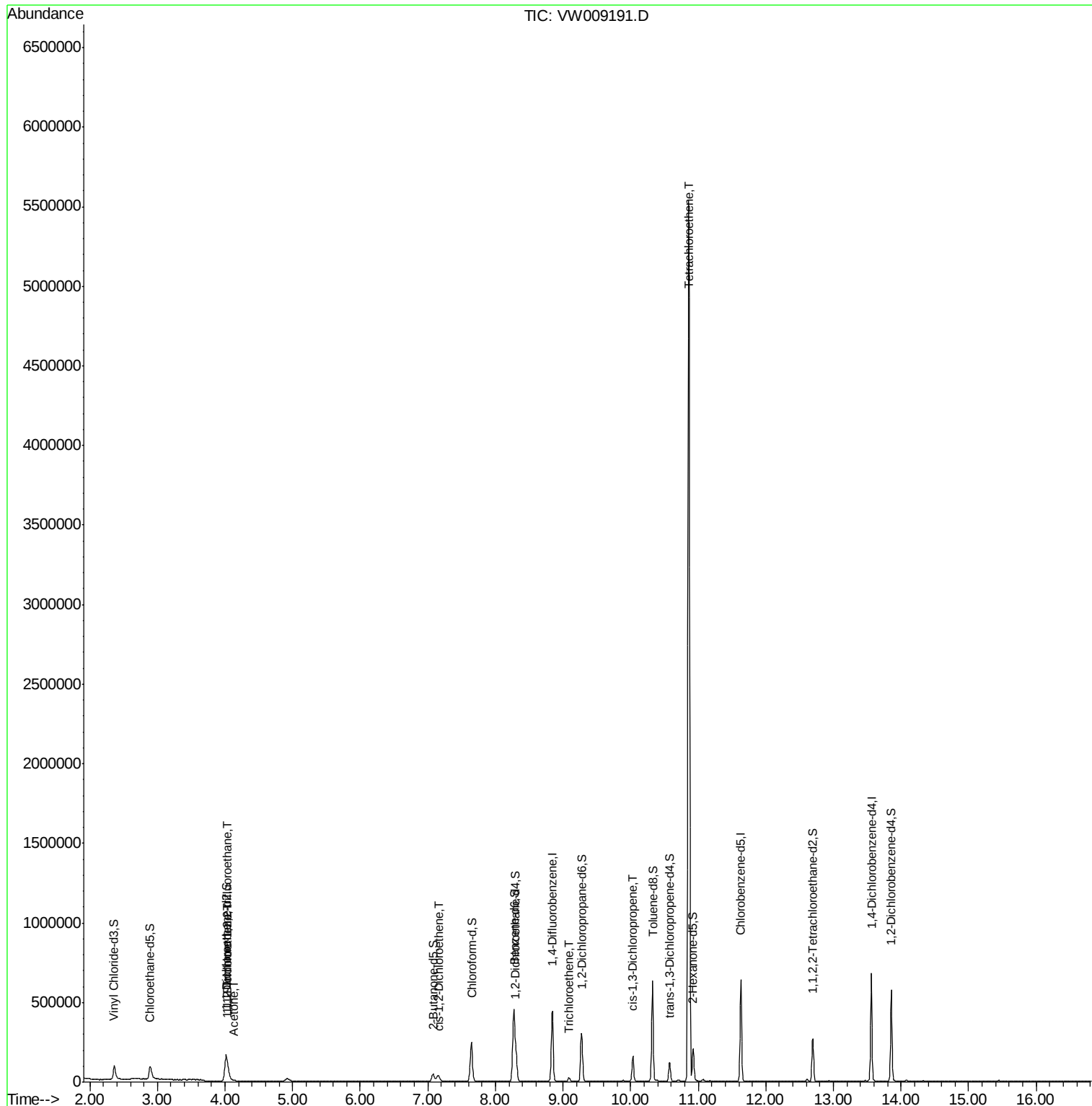
						Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	5632	1.207	ug/L #	77
12) 1,1-Dichloroethene	4.04	96	8541	1.951	ug/L #	1
13) Acetone	4.13	43	4203	2.918	ug/L	81
22) cis-1,2-Dichloroethene	7.17	96	10331	2.072	ug/L	98
35) Trichloroethene	9.09	95	6930	1.383	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	4808	0.612	ug/L	87
47) Tetrachloroethene	10.86	164	1128020	266.453	ug/L	97

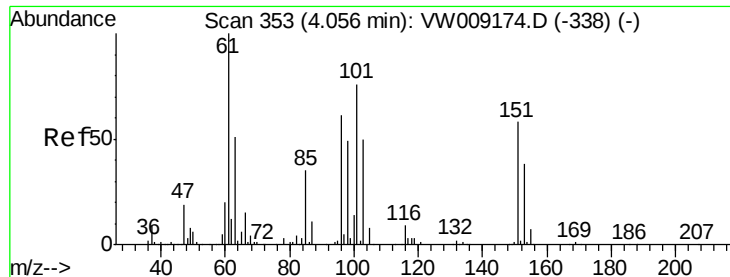
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.207 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW009191.D

Acq: 15 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampled :

BF182

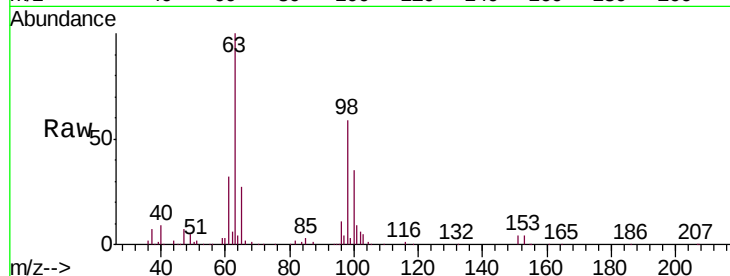
Tgt Ion:101 Resp: 5632

Ion Ratio Lower Upper

101 100

85 30.6 32.6 48.8#

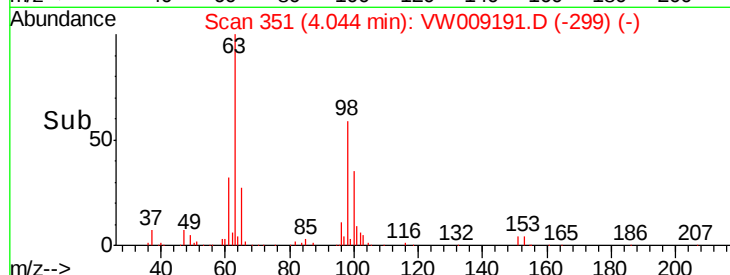
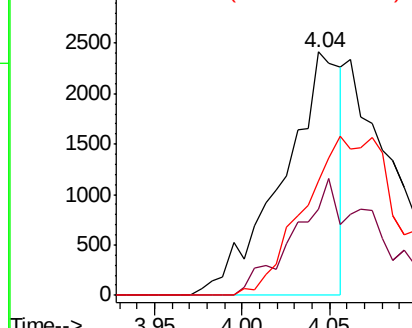
151 55.5 63.3 94.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.951 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009191.D

Acq: 15 Mar 2019 00:55

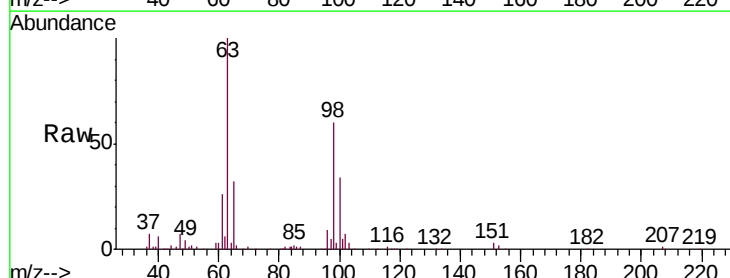
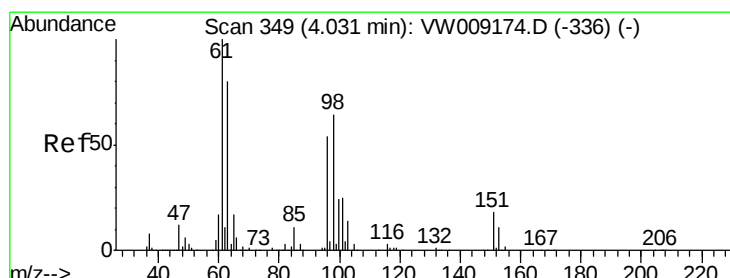
Tgt Ion: 96 Resp: 8541

Ion Ratio Lower Upper

96 100

61 296.6 129.4 240.2#

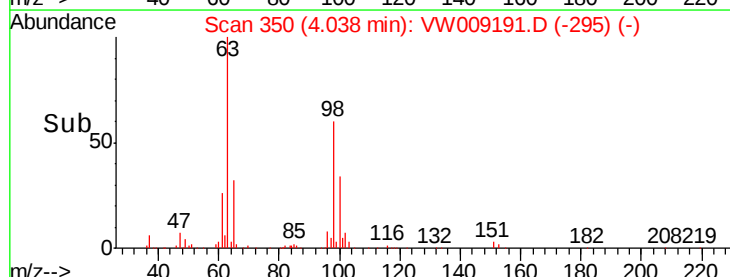
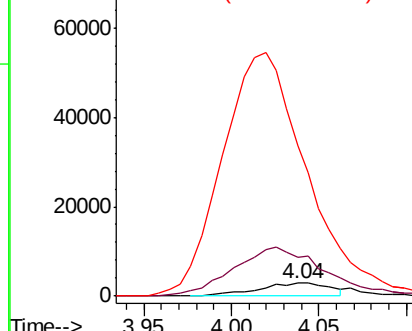
63 1144.3 116.8 217.0#

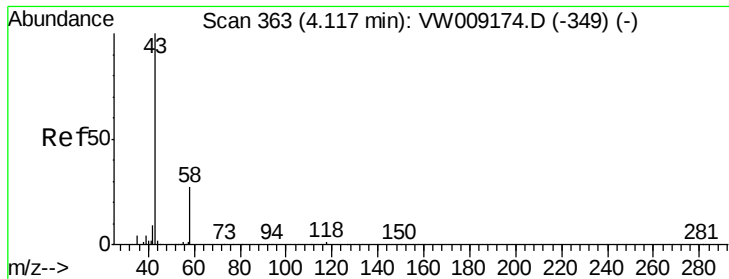


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.918 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 15 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampled :

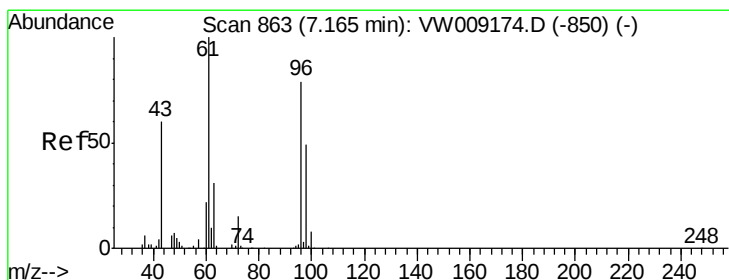
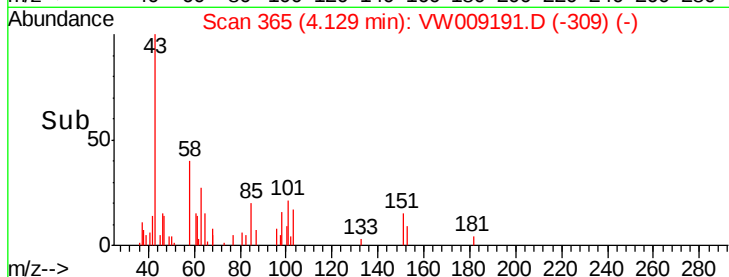
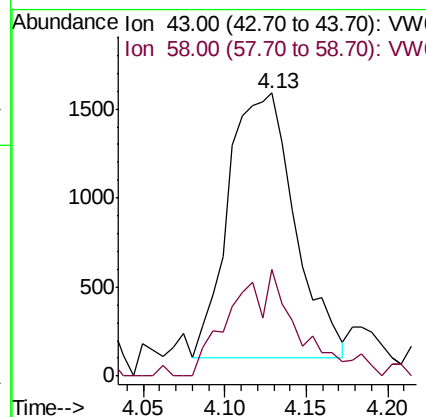
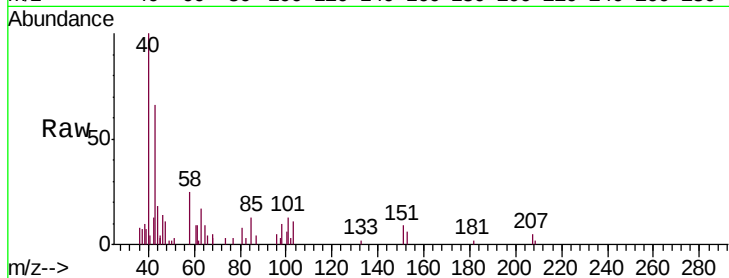
BF182

Tgt Ion: 43 Resp: 4203

Ion Ratio Lower Upper

43 100 0.0 56.2

58 17.9 0.0 56.2



#22

cis-1,2-Dichloroethene

Concen: 2.072 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009191.D

Acq: 15 Mar 2019 00:55

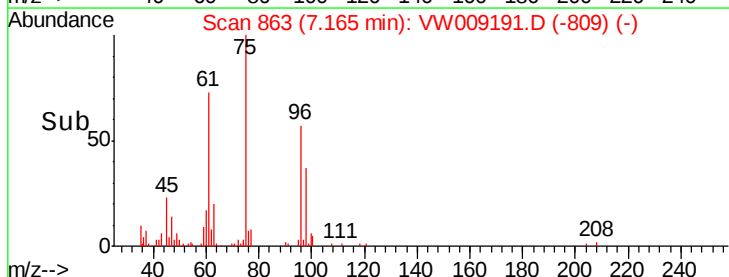
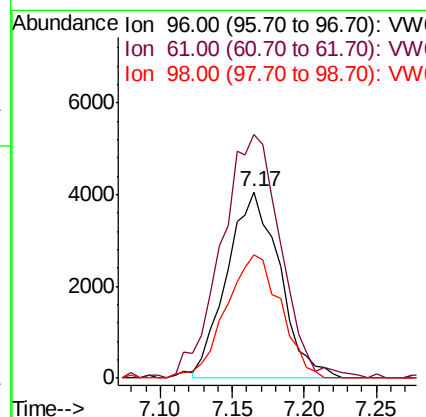
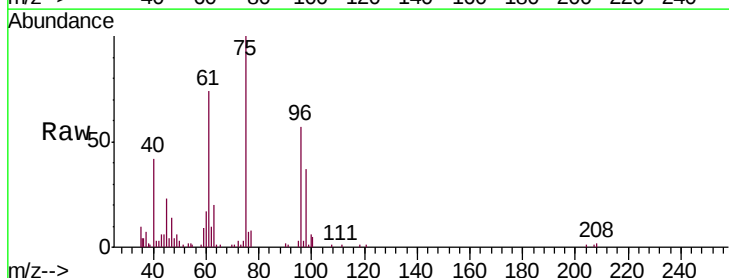
Tgt Ion: 96 Resp: 10331

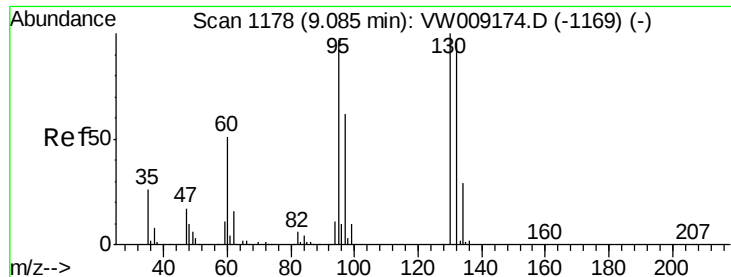
Ion Ratio Lower Upper

96 100 90.6 168.3

61 130.9 44.0 81.8

98 66.2 44.0 81.8





#35

Trichloroethene

Concen: 1.383 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009191.D

Acq: 15 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

BF182

Tgt Ion: 95 Resp: 6930

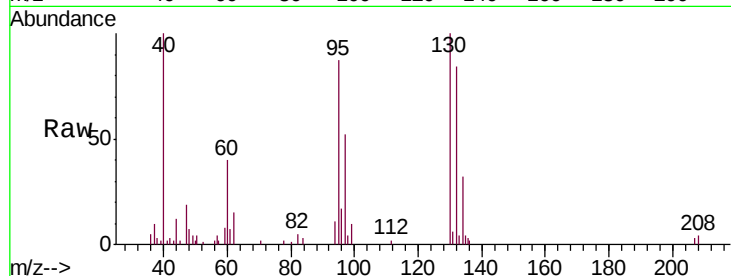
Ion Ratio Lower Upper

95 100

97 62.0 44.7 82.9

132 97.3 69.0 128.2

130 104.2 72.7 134.9

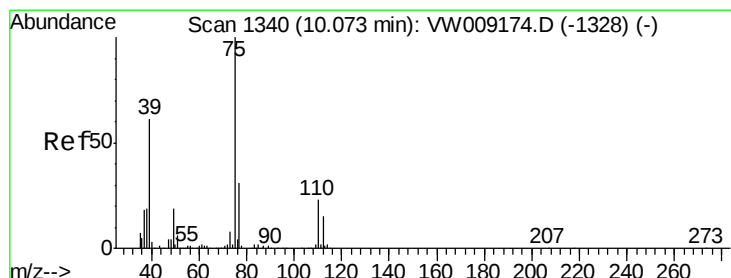
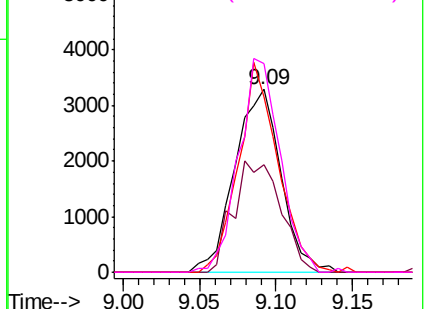
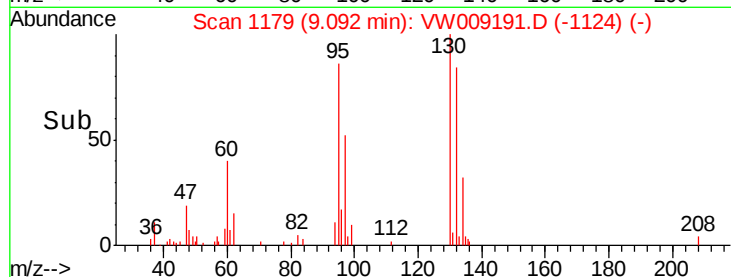


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.612 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009191.D

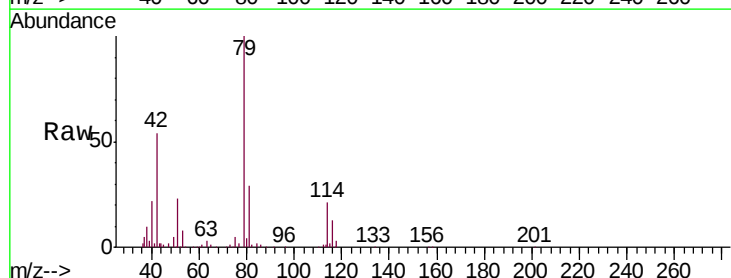
Acq: 15 Mar 2019 00:55

Tgt Ion: 75 Resp: 4808

Ion Ratio Lower Upper

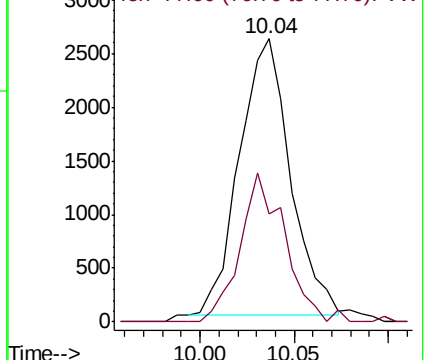
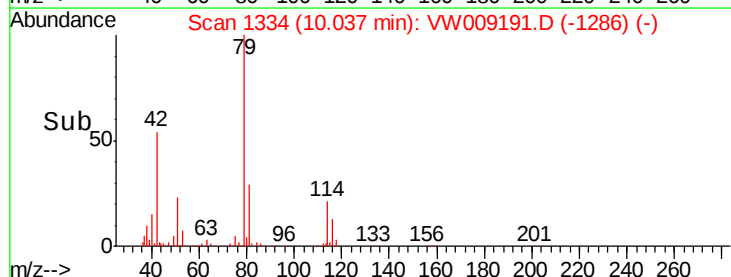
75 100

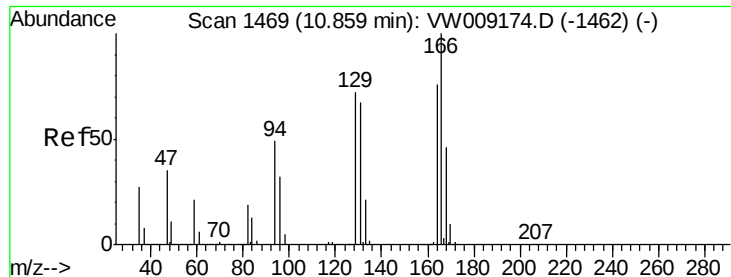
77 38.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 266.453 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009191.D

Acq: 15 Mar 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

BF182

Tgt Ion:164 Resp: 1128020

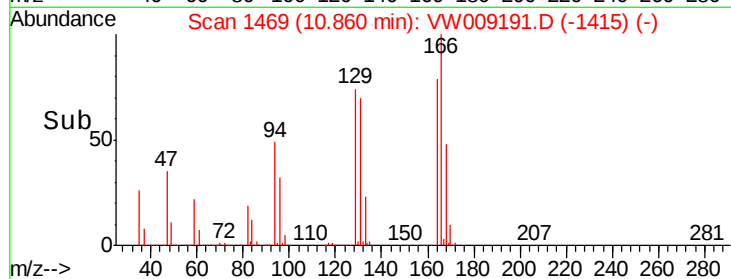
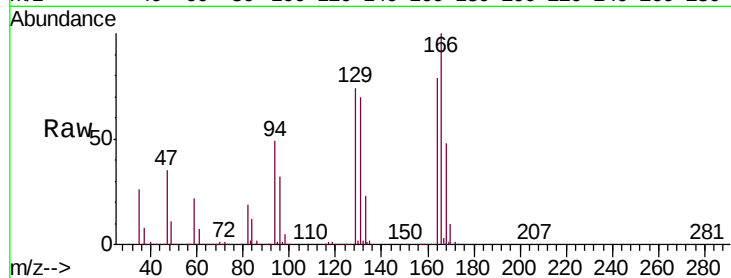
Ion Ratio Lower Upper

164 100

129 93.3 66.5 123.5

131 88.4 62.6 116.3

166 125.8 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

