

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW033019\
 Data File : VW009595.D
 Acq On : 30 Mar 2019 17:28
 Operator : SY/VA
 Sample : K2167-10
 Misc : 5.73G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF111

Quant Time: Mar 30 21:20:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 21:16:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	352453	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	338199	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153601	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126881	30.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.52%
7) Chloroethane-d5	2.89	69	111381	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
10) 1,1-Dichloroethene-d2	4.01	63	230571	25.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.32%
20) 2-Butanone-d5	7.07	46	94950	54.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.02%
24) Chloroform-d	7.64	84	246136	25.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.36%
26) 1,2-Dichloroethane-d4	8.43	65	89	0.02	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	462663	24.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.24%
33) 1,2-Dichloropropane-d6	9.27	67	141840	25.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.28%
37) Toluene-d8	10.32	98	408567	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.76%
38) trans-1,3-Dichloropropene-	10.58	79	61122	21.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.92%
39) 2-Hexanone-d5	10.93	63	70756	52.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141400	25.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	150140	25.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.96%

Target Compounds

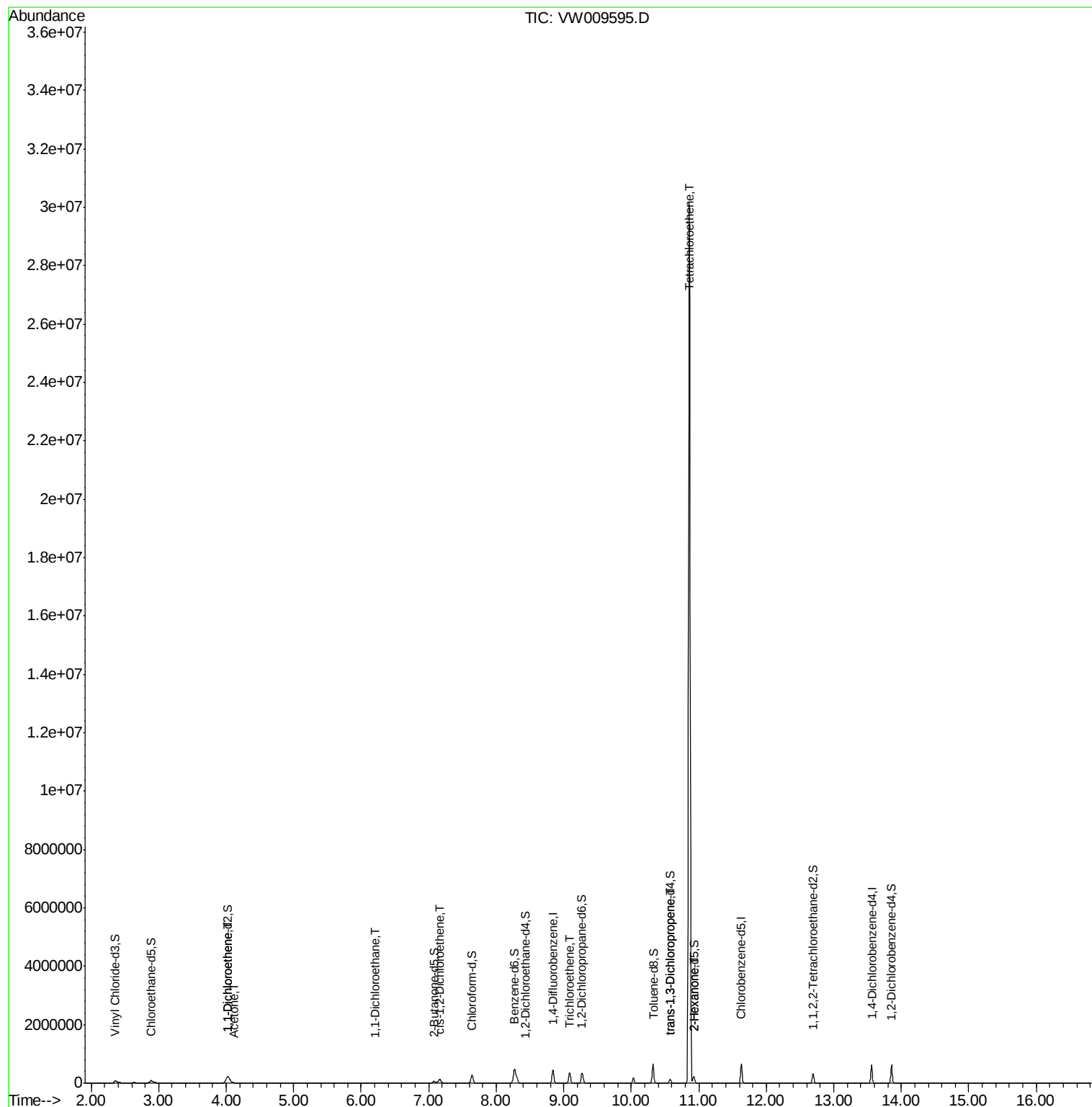
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	81251	18.721	ug/L	85
13) Acetone	4.12	43	2534	1.774	ug/L	88
19) 1,1-Dichloroethane	6.20	63	20904	2.512	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	64459	13.040	ug/L	96
35) Trichloroethene	9.09	95	118631	24.051	ug/L	97
45) trans-1,3-Dichloropropene	10.57	75	3663	0.544	ug/L #	63
47) Tetrachloroethene	10.86	164	5531664	1327.266	ug/L	94
49) 2-Hexanone	10.92	43	11561	3.814	ug/L #	73

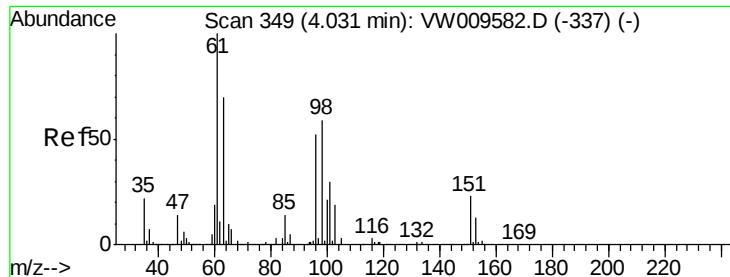
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 30 21:16:55 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 18.721 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW009595.D

Acq: 30 Mar 2019 17:28

Instrument :

MSVOA_W

ClientSampled :

BF111

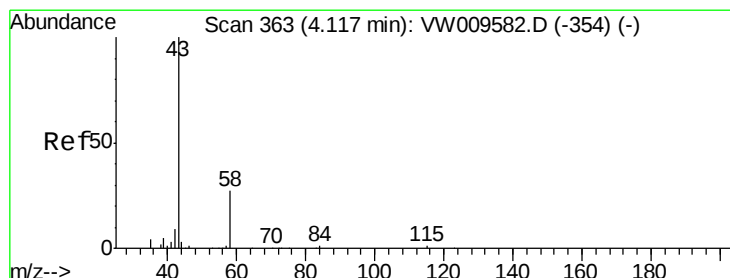
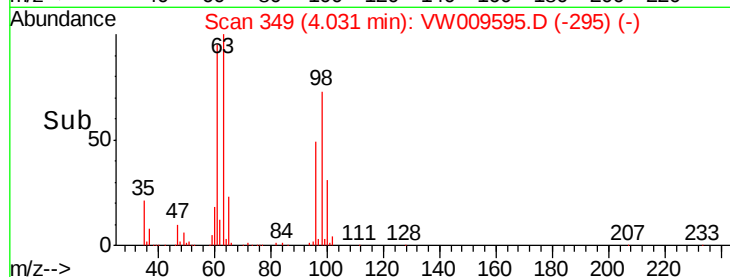
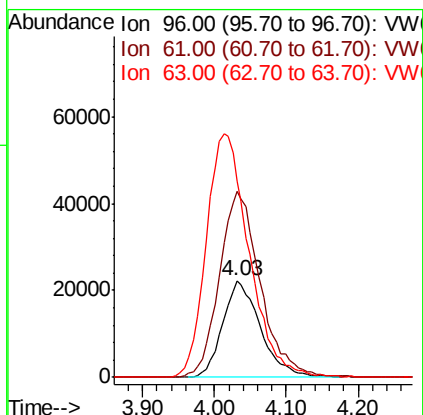
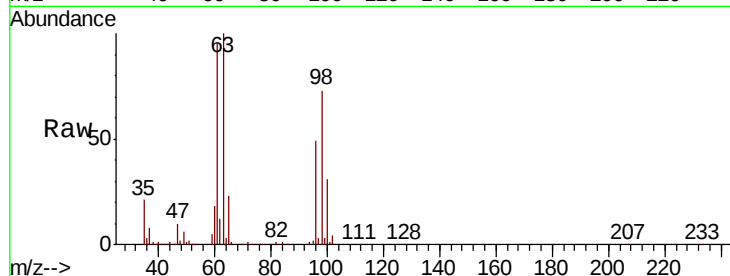
Tgt Ion: 96 Resp: 81251

Ion Ratio Lower Upper

96 100

61 191.8 129.4 240.2

63 202.4 116.8 217.0



#13

Acetone

Concen: 1.774 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009595.D

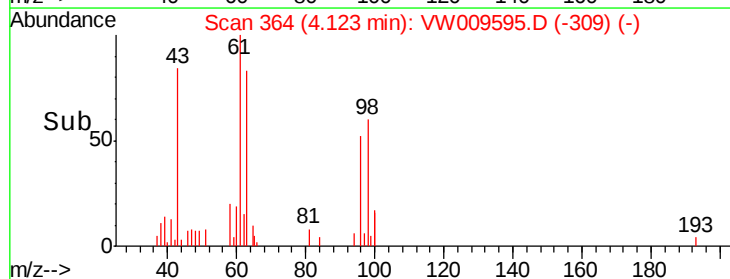
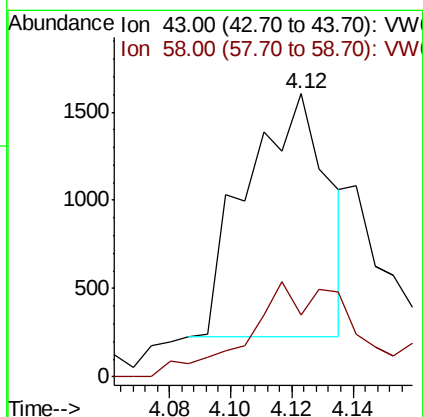
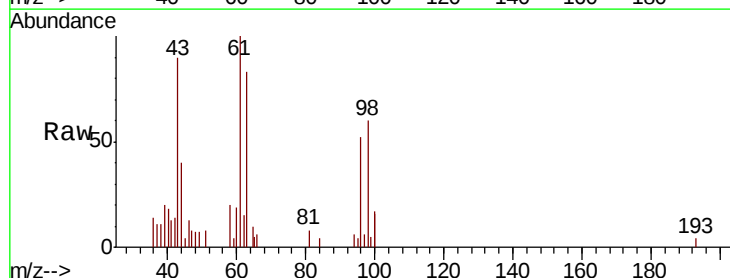
Acq: 30 Mar 2019 17:28

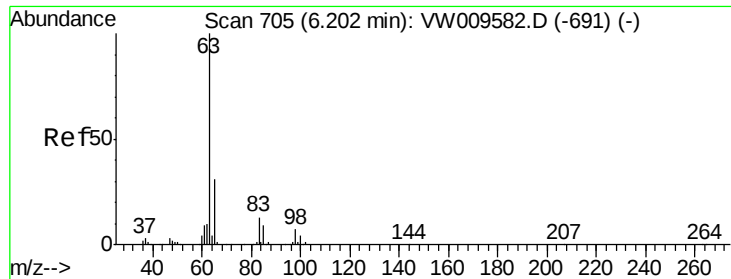
Tgt Ion: 43 Resp: 2534

Ion Ratio Lower Upper

43 100

58 21.8 0.0 56.2

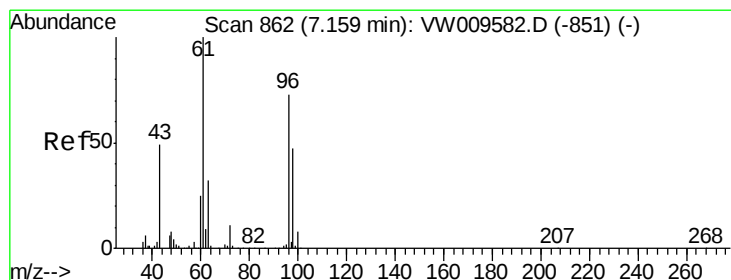
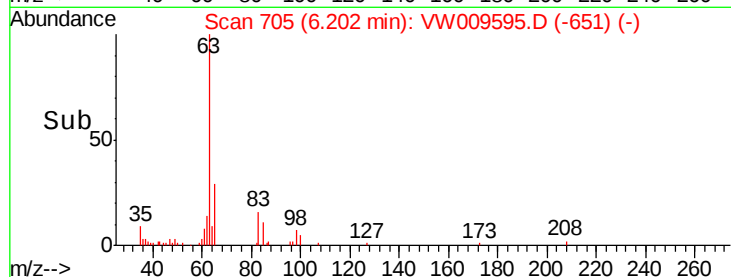
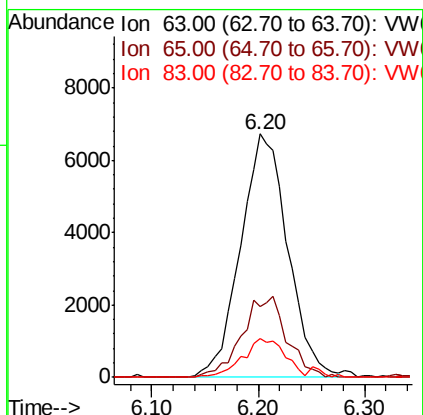
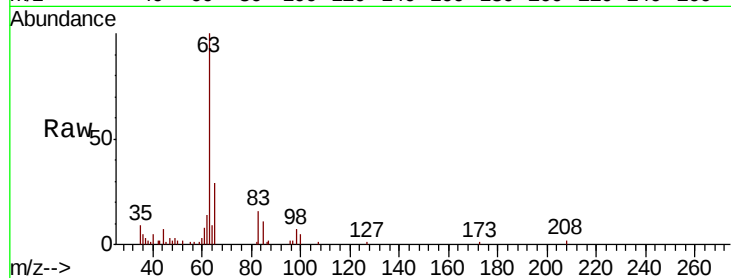




#19
 1,1-Dichloroethane
 Concen: 2.512 ug/L
 RT: 6.20 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VW009595.D
 Acq: 30 Mar 2019 17:28

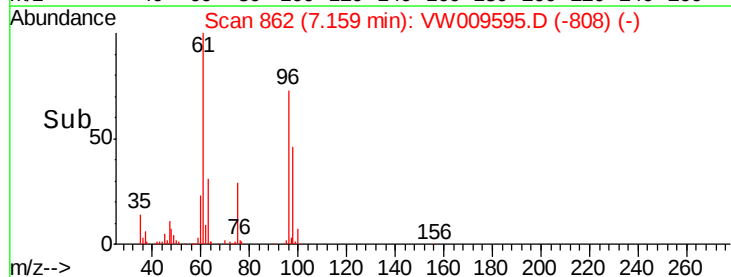
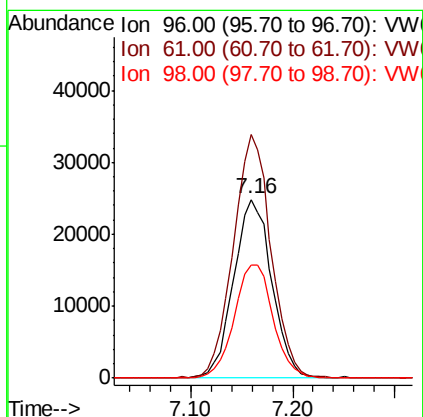
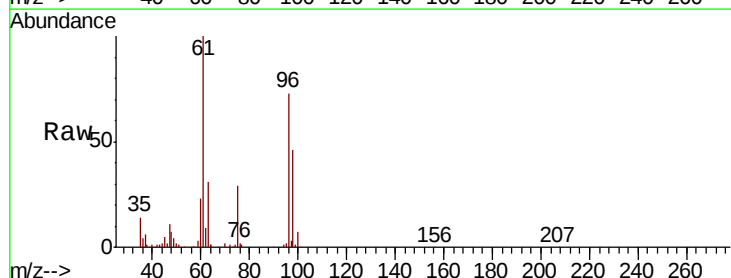
Instrument :
 MSVOA_W
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 BF111

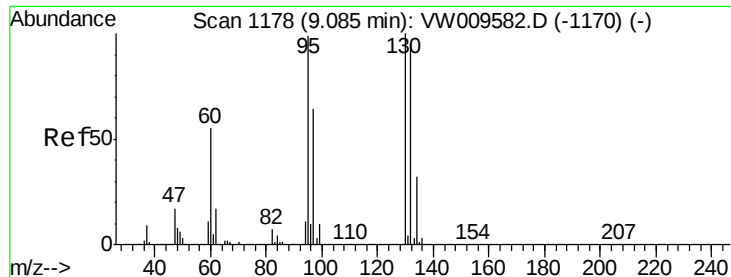
Tgt Ion:	63	Resp:	20904
Ion	Ratio	Lower	Upper
63	100		
65	29.1	21.6	40.0
83	15.9	10.1	18.7



#22
 cis-1,2-Dichloroethene
 Concen: 13.040 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW009595.D
 Acq: 30 Mar 2019 17:28

Tgt Ion:	96	Resp:	64459
Ion	Ratio	Lower	Upper
96	100		
61	136.5	90.6	168.3
98	63.1	44.0	81.8





#35

Trichloroethene

Concen: 24.051 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009595.D

Acq: 30 Mar 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

BF111

Tgt Ion: 95 Resp: 118631

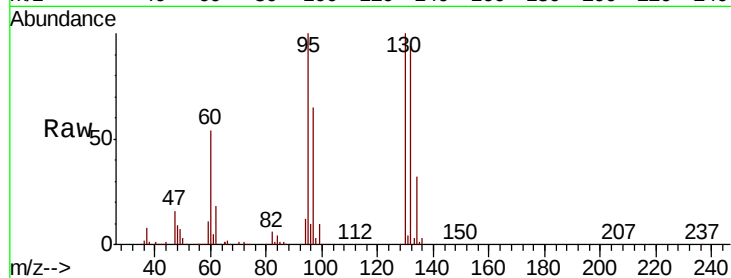
Ion Ratio Lower Upper

95 100

97 64.0 44.7 82.9

132 95.0 69.0 128.2

130 99.7 72.7 134.9

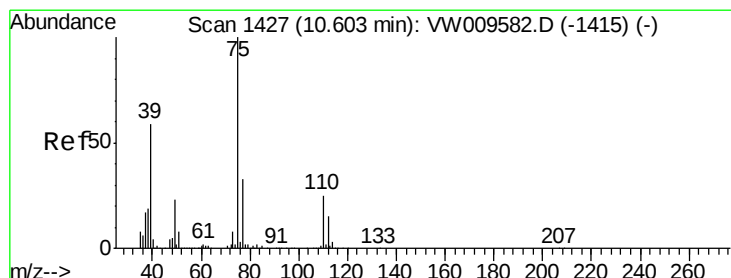
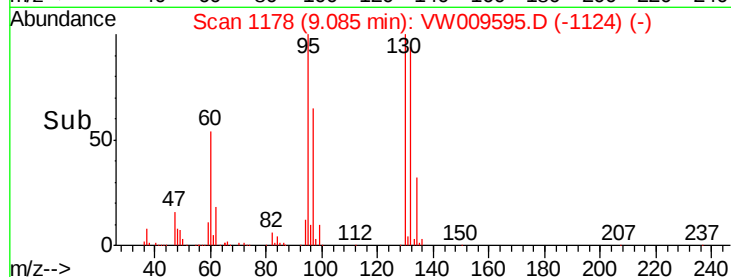
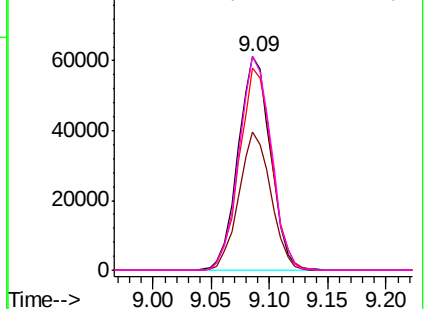


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#45

trans-1,3-Dichloropropene

Concen: 0.544 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009595.D

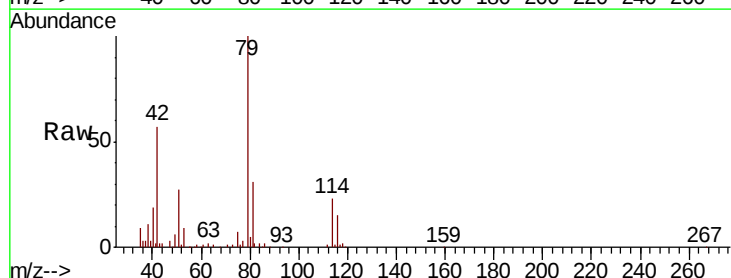
Acq: 30 Mar 2019 17:28

Tgt Ion: 75 Resp: 3663

Ion Ratio Lower Upper

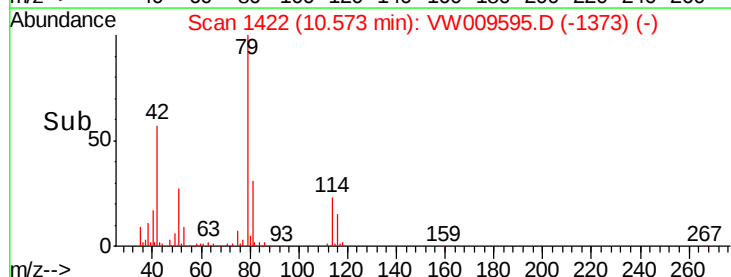
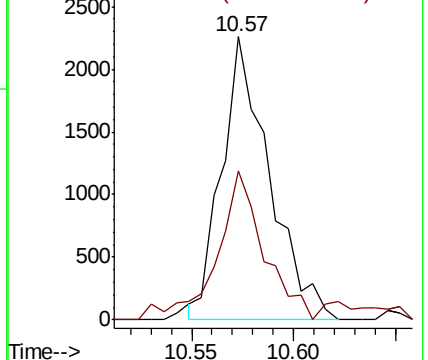
75 100

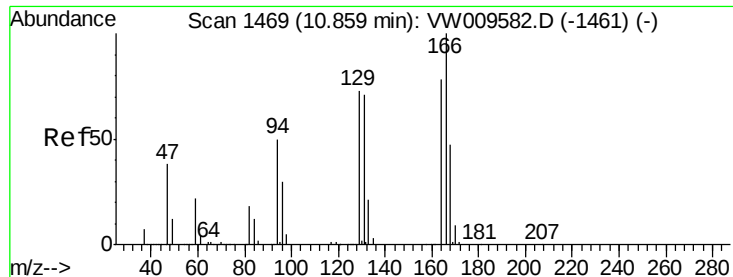
77 52.6 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 1327.266 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009595.D

Acq: 30 Mar 2019 17:28

Instrument :

MSVOA_W

ClientSampleId :

BF111

Tgt Ion:164 Resp: 5531664

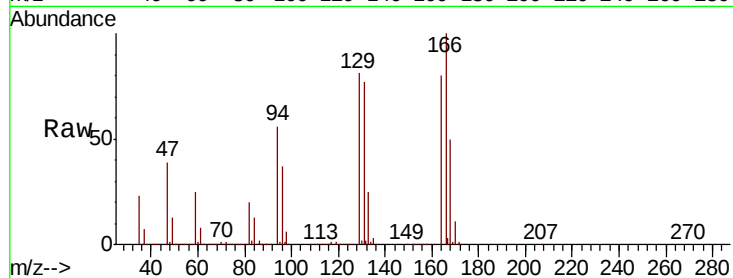
Ion Ratio Lower Upper

164 100

129 100.8 66.5 123.5

131 96.4 62.6 116.3

166 124.8 91.6 170.0



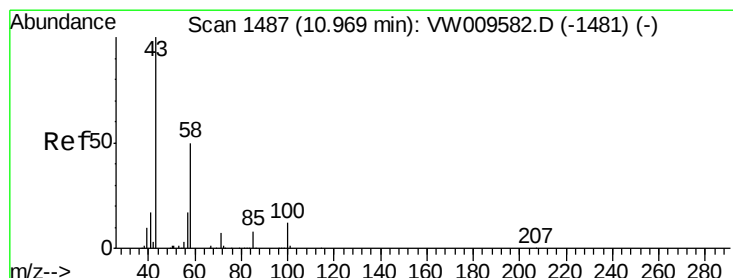
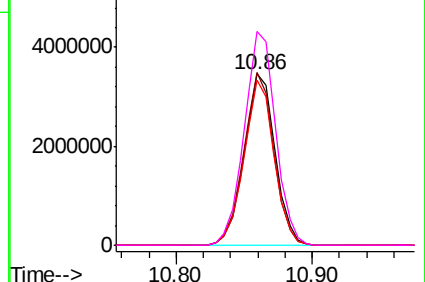
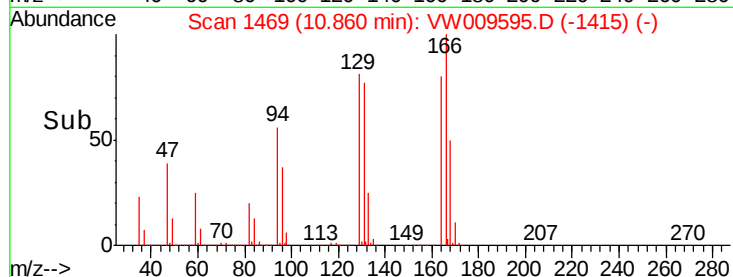
Abundance

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



#49

2-Hexanone

Concen: 3.814 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW009595.D

Acq: 30 Mar 2019 17:28

Tgt Ion: 43 Resp: 11561

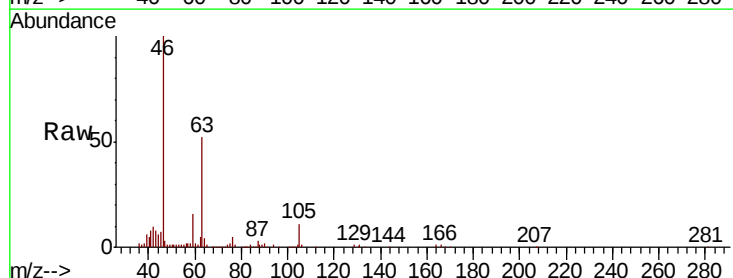
Ion Ratio Lower Upper

43 100

58 27.6 39.2 58.8#

57 24.4 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

