

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW033019\
 Data File : VW009597.D
 Acq On : 30 Mar 2019 18:27
 Operator : SY/VA
 Sample : K2167-12
 Misc : 5.68G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF113

Quant Time: Mar 30 21:21:07 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	439957	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	423603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184594	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	156786	29.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.28%
7) Chloroethane-d5	2.89	69	146642	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.36%
10) 1,1-Dichloroethene-d2	4.01	63	251876	22.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.68%
20) 2-Butanone-d5	7.07	46	96323	44.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.60%
24) Chloroform-d	7.64	84	309741	25.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	8.45	65	95	0.01	ug/L	0.15
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	584318	25.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.04%
33) 1,2-Dichloropropane-d6	9.27	67	176470	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.60%
37) Toluene-d8	10.32	98	524317	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.08%
38) trans-1,3-Dichloropropene-	10.58	79	76600	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.96%
39) 2-Hexanone-d5	10.92	63	75793	44.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	158262	22.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	179990	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

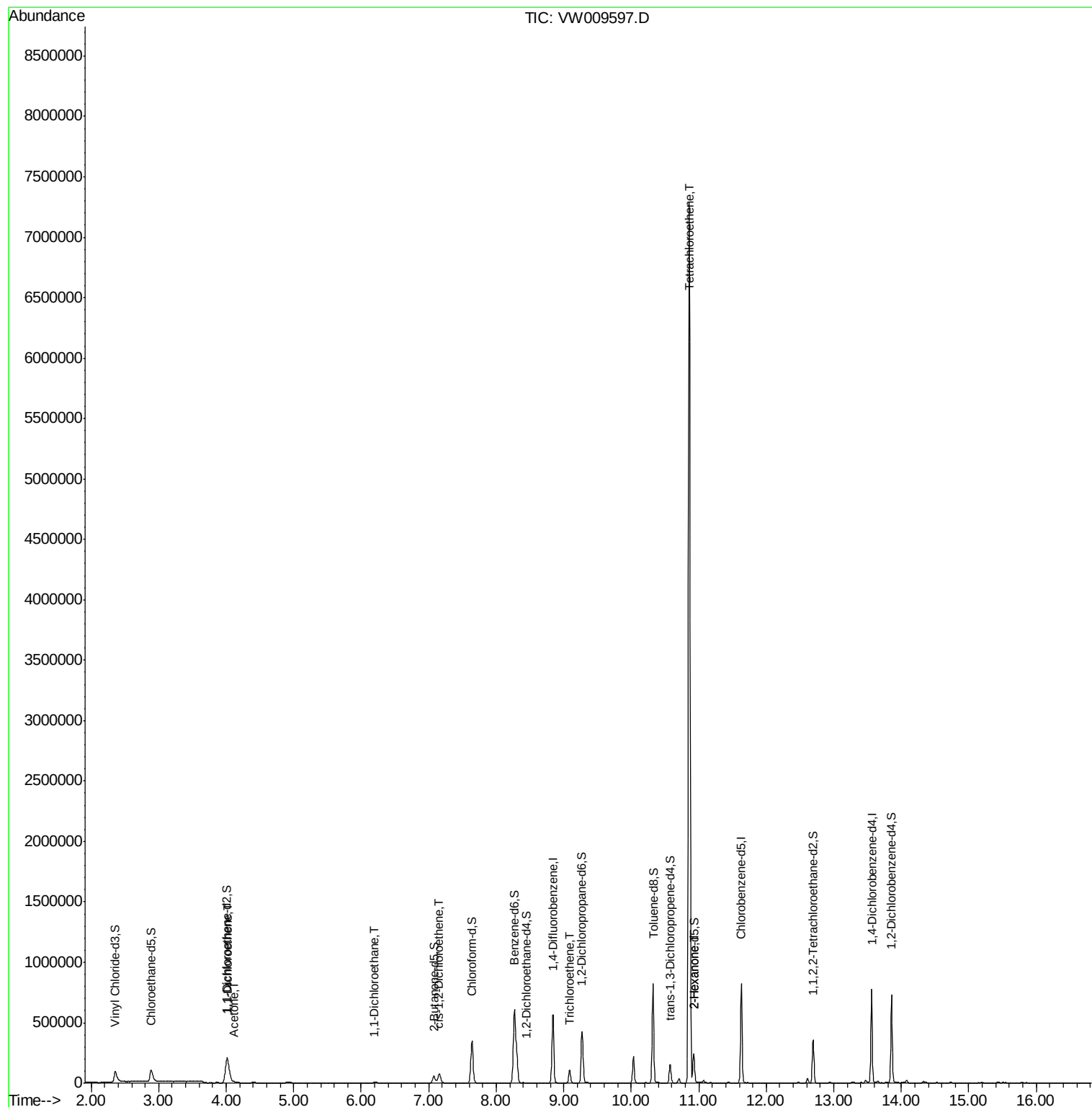
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	16211	2.992	ug/L #	1
13) Acetone	4.12	43	6431	3.607	ug/L	83
19) 1,1-Dichloroethane	6.20	63	13341	1.285	ug/L	89
22) cis-1,2-Dichloroethene	7.16	96	28765	4.662	ug/L	96
35) Trichloroethene	9.09	95	33645	5.446	ug/L	97
47) Tetrachloroethene	10.86	164	1441822	276.202	ug/L	98
49) 2-Hexanone	10.93	43	9914	2.611	ug/L #	70

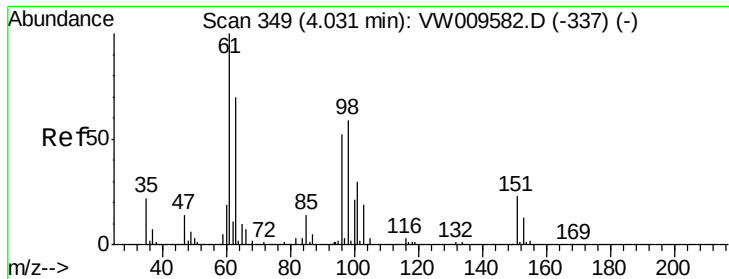
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 2.992 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW009597.D

Acq: 30 Mar 2019 18:27

Instrument :

MSVOA_W

ClientSampleId :

BF113

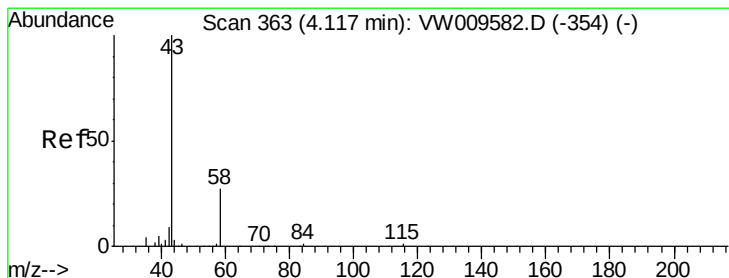
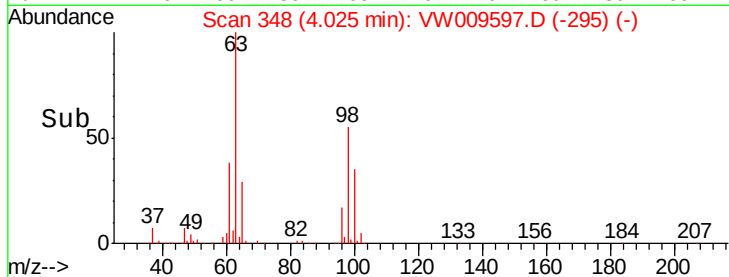
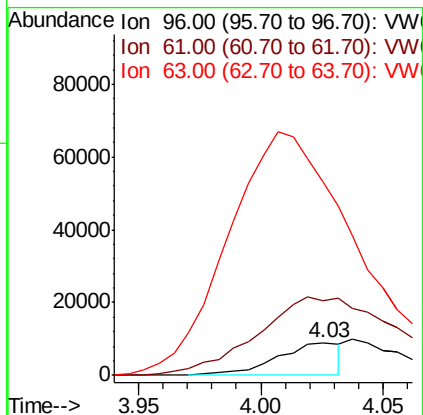
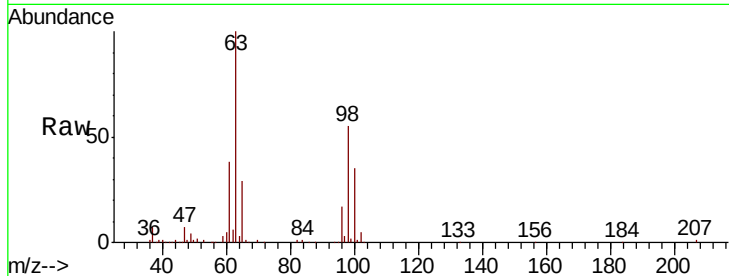
Tgt Ion: 96 Resp: 16211

Ion Ratio Lower Upper

96 100

61 228.5 129.4 240.2

63 594.0 116.8 217.0#



#13

Acetone

Concen: 3.607 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009597.D

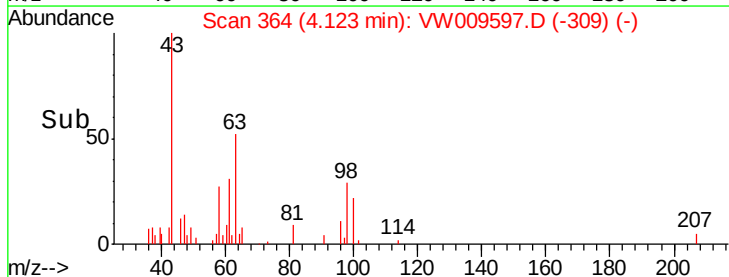
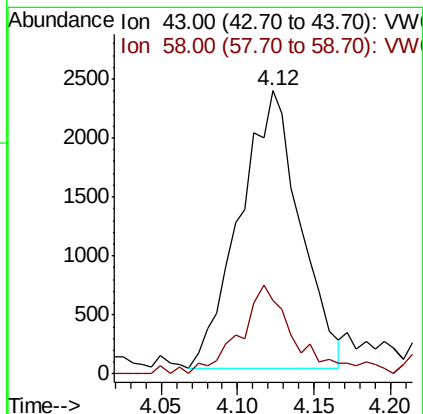
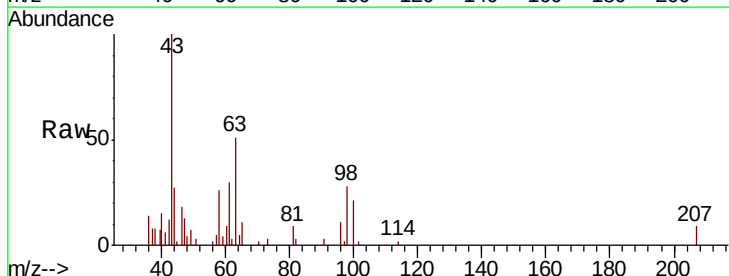
Acq: 30 Mar 2019 18:27

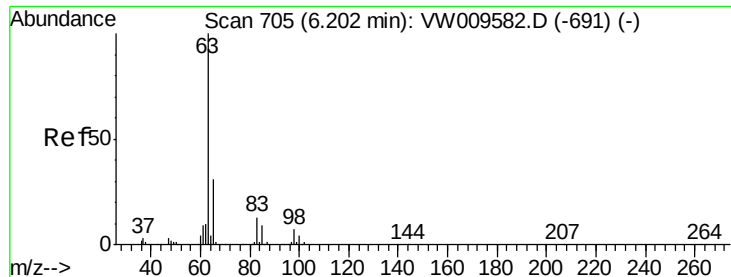
Tgt Ion: 43 Resp: 6431

Ion Ratio Lower Upper

43 100

58 19.3 0.0 56.2





#19

1,1-Dichloroethane

Concen: 1.285 ug/L

RT: 6.20 min Scan# 704

Delta R.T. -0.01 min

Lab File: VW009597.D

Acq: 30 Mar 2019 18:27

Instrument :

MSVOA_W

ClientSampled :

BF113

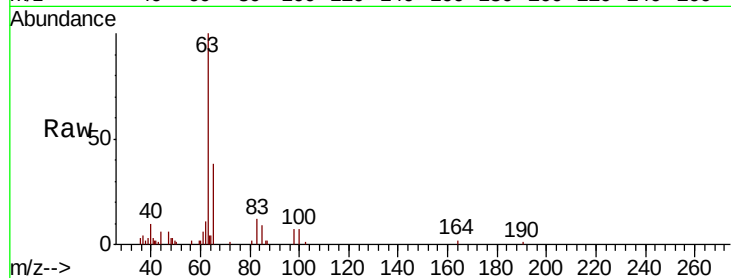
Tgt Ion: 63 Resp: 13341

Ion Ratio Lower Upper

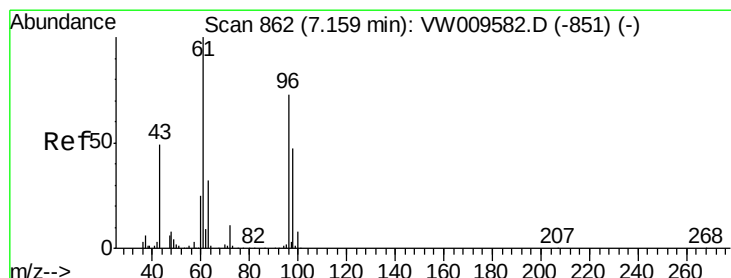
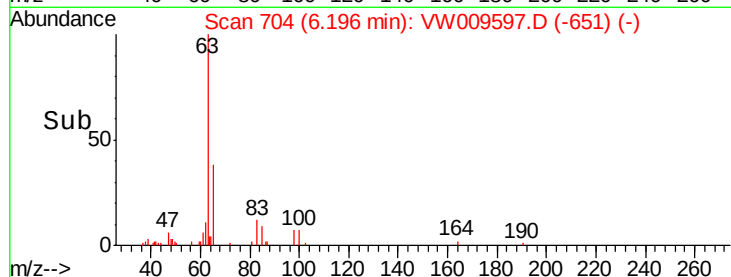
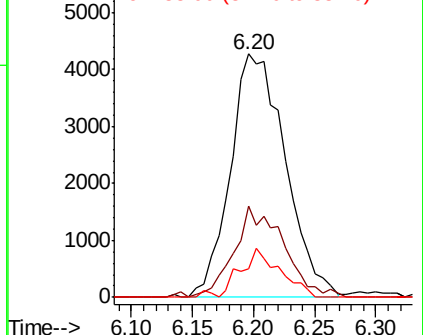
63 100

65 37.8 21.6 40.0

83 11.8 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#22

cis-1,2-Dichloroethene

Concen: 4.662 ug/L

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009597.D

Acq: 30 Mar 2019 18:27

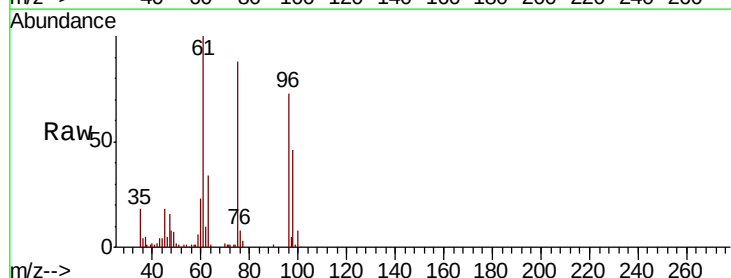
Tgt Ion: 96 Resp: 28765

Ion Ratio Lower Upper

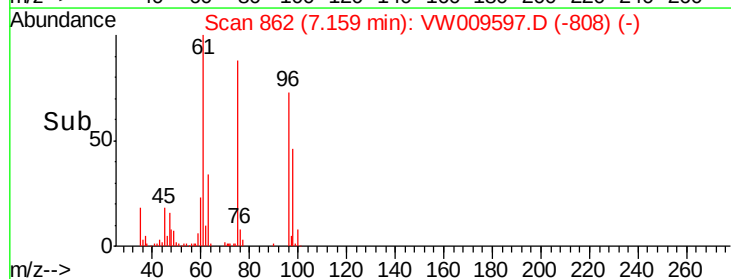
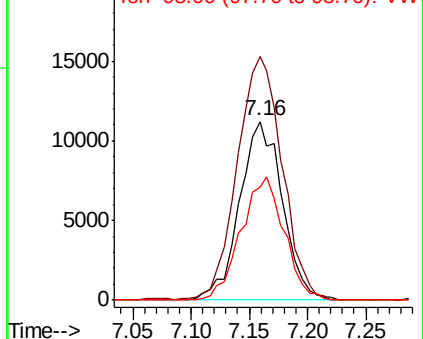
96 100

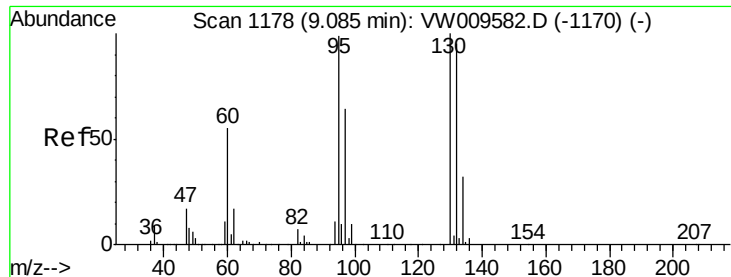
61 136.5 90.6 168.3

98 63.1 44.0 81.8



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





#35

Trichloroethene

Concen: 5.446 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009597.D

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Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 33645

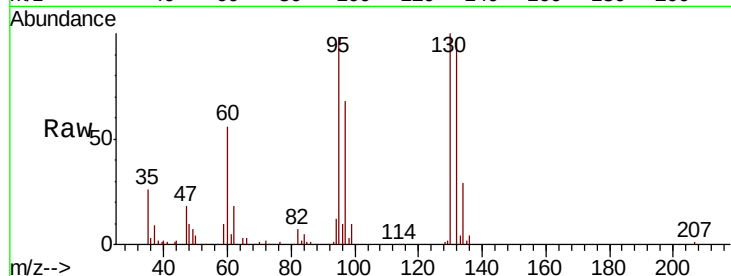
Ion Ratio Lower Upper

95 100

97 66.0 44.7 82.9

132 96.0 69.0 128.2

130 101.0 72.7 134.9



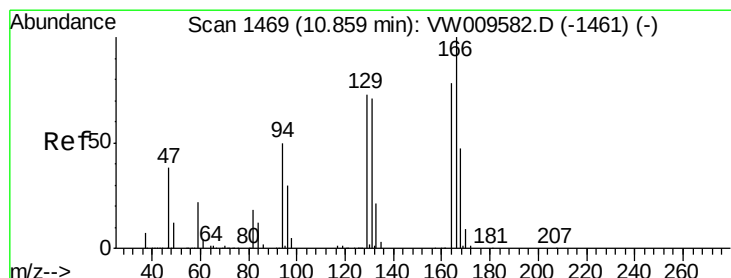
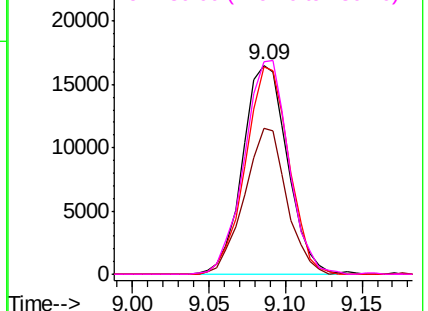
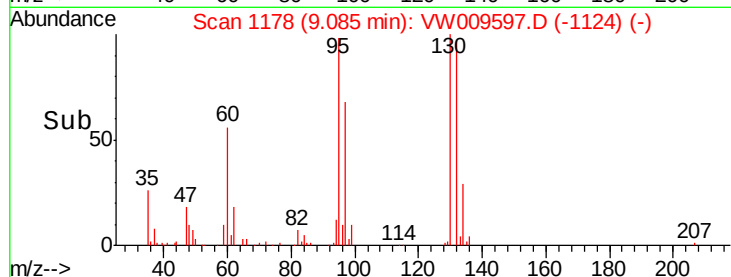
Abundance

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: 276.202 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009597.D

Acq: 30 Mar 2019 18:27

Tgt Ion: 164 Resp: 1441822

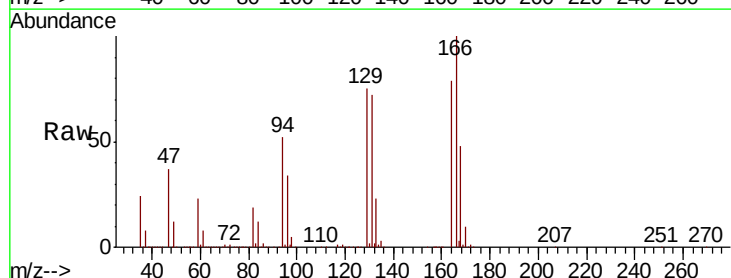
Ion Ratio Lower Upper

164 100

129 94.7 66.5 123.5

131 91.2 62.6 116.3

166 126.8 91.6 170.0



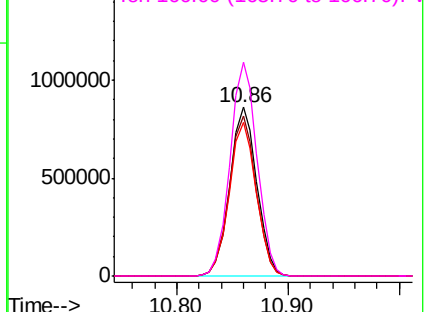
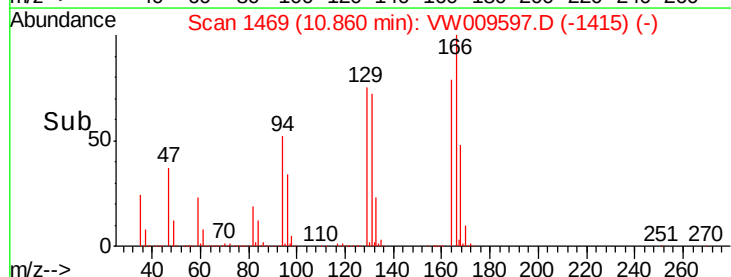
Abundance

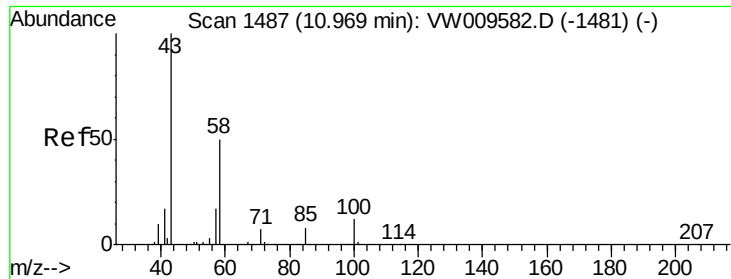
Ion 164.00 (163.70 to 164.70): V

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: 2.611 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009597.D

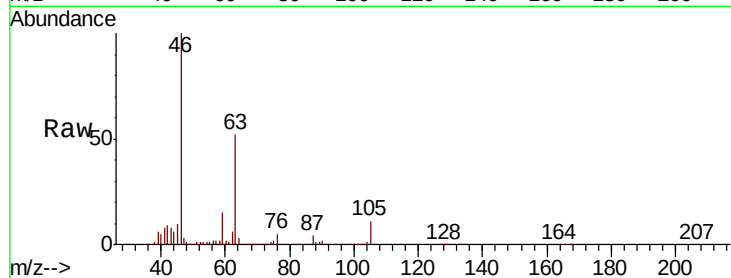
Acq: 30 Mar 2019 18:27

Instrument :

MSVOA_W

ClientSampleId :

BF113



Tgt Ion:	43	Resp:	9914
Ion	Ratio	Lower	Upper
43	100		
58	27.1	39.2	58.8#
57	28.8	14.2	21.2#
100	0.7	8.9	13.3#

