

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040519\
 Data File : VW009716.D
 Acq On : 05 Apr 2019 07:04
 Operator : SY/VA
 Sample : K2276-14
 Misc : 5.42G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF141

Quant Time: Apr 05 07:44:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 05:32:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311337	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321561	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	138305	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90148	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.52%
7) Chloroethane-d5	2.89	69	85951	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
10) 1,1-Dichloroethene-d2	4.01	63	155883	17.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.16%
20) 2-Butanone-d5	7.07	46	75428	57.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.04%
24) Chloroform-d	7.64	84	219497	25.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.36%
26) 1,2-Dichloroethane-d4	8.31	65	146777	28.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.56%
29) Benzene-d6	8.27	84	405415	24.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.08%
33) 1,2-Dichloropropane-d6	9.27	67	130987	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.48%
37) Toluene-d8	10.32	98	356079	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.24%
38) trans-1,3-Dichloropropene-	10.58	79	54968	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.44%
39) 2-Hexanone-d5	10.93	63	49728	50.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124005	25.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	131245	27.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.16%

Target Compounds

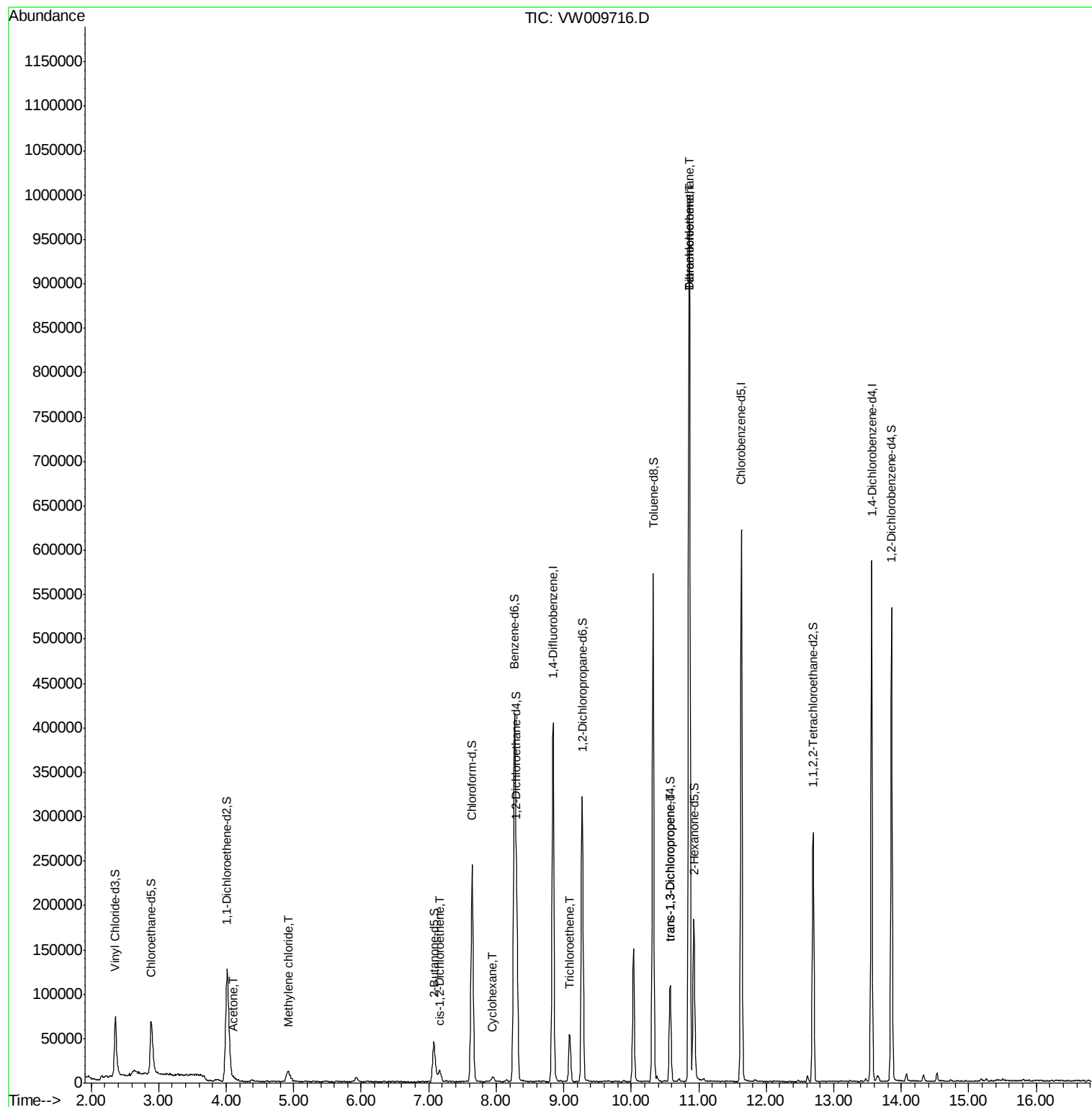
					Qvalue
13) Acetone	4.11	43	1267	0.894 ug/L	60
16) Methylene chloride	4.92	84	5908	1.076 ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	5473	1.190 ug/L	95
30) Cyclohexane	7.95	56	2286	0.301 ug/L	93
35) Trichloroethene	9.09	95	18542	3.662 ug/L	97
45) trans-1,3-Dichloropropene	10.58	75	3115	0.471 ug/L	95
47) Tetrachloroethene	10.86	164	200426	50.261 ug/L	98
50) Dibromochloromethane	10.86	129	189265	41.442 ug/L #	12

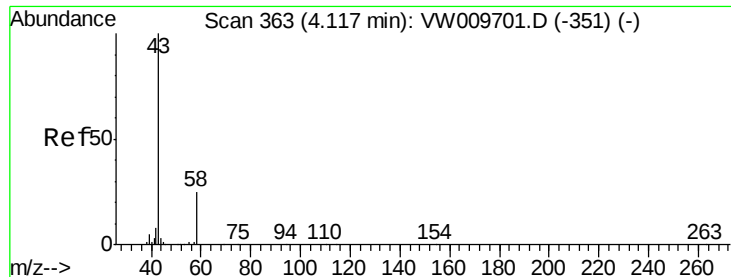
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 05 05:32:00 2019
Response via : Initial Calibration





#13

Acetone

Concen: 0.894 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

Instrument :

MSVOA_W

ClientSampled :

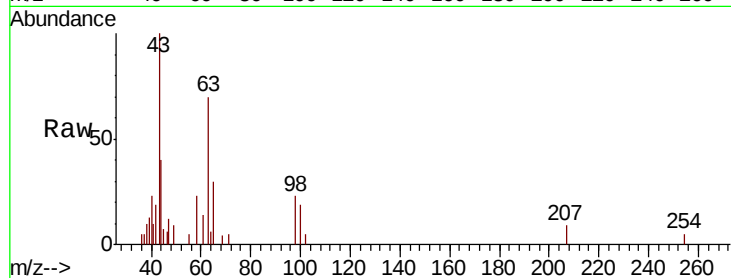
BF141

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

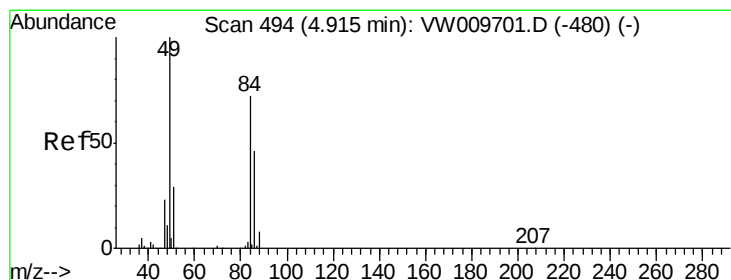
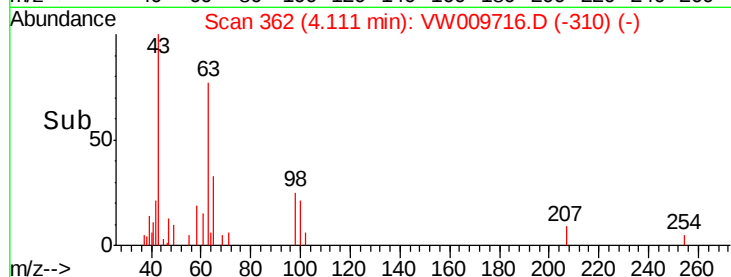
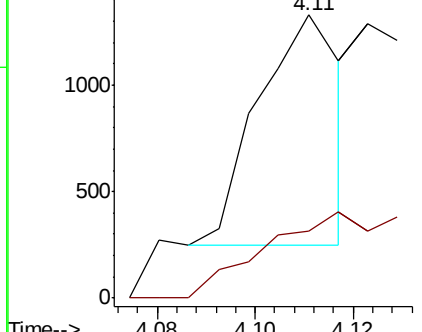
43 100

58 47.2 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.076 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

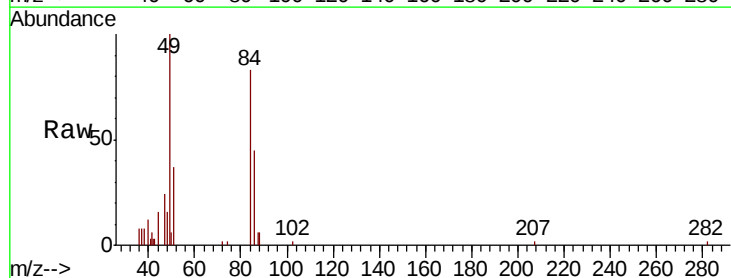
Tgt Ion: 84 Resp: 5908

Ion Ratio Lower Upper

84 100

49 120.4 98.3 182.5

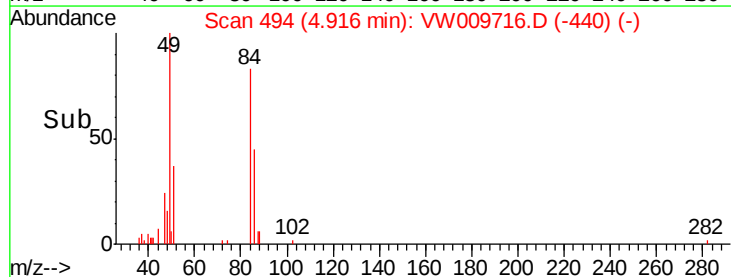
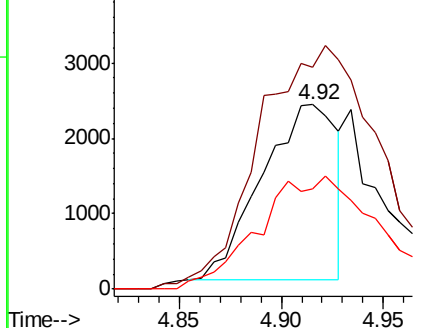
86 54.7 46.4 86.2

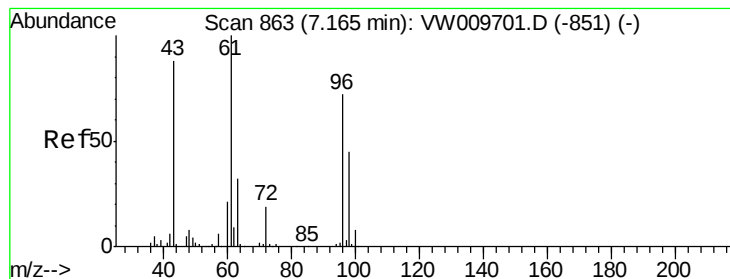


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



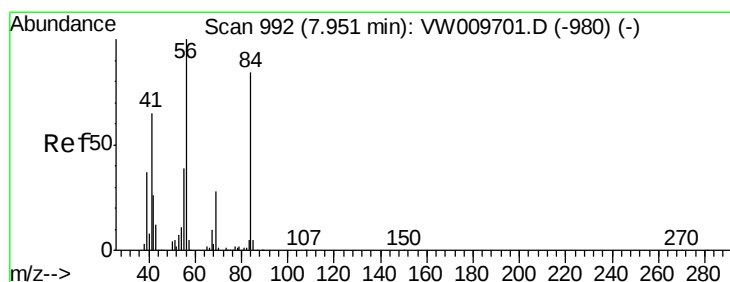
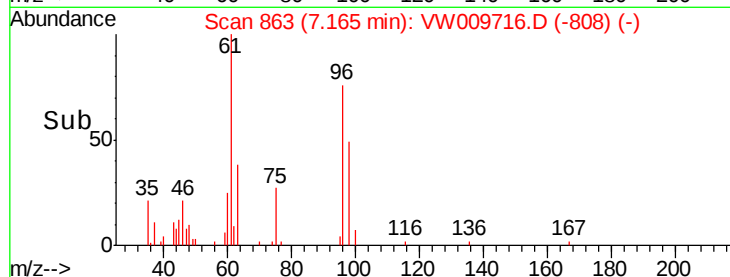
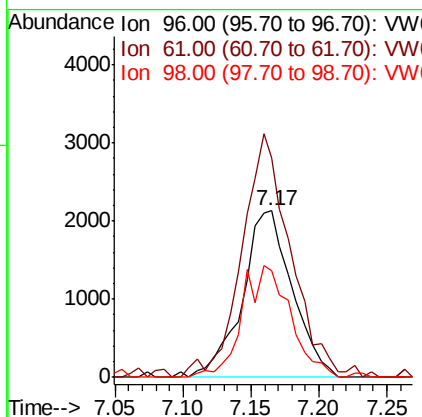
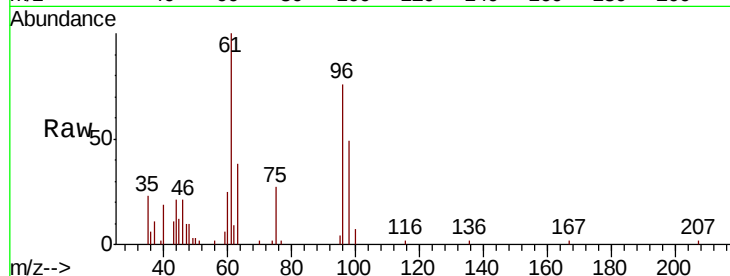


#22

cis-1,2-Dichloroethene
 Concen: 1.190 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009716.D
 Acq: 05 Apr 2019 07:04

Instrument :
 MSVOA_W
 ClientSampled :
 BF141

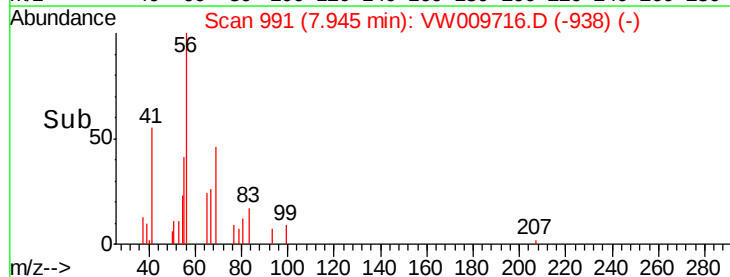
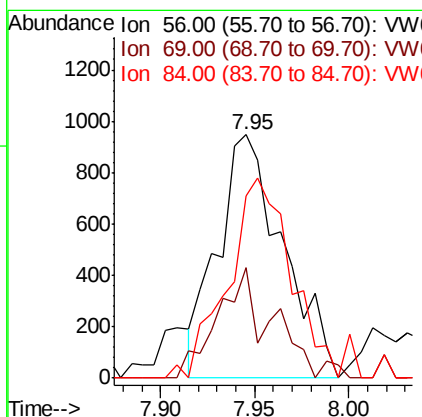
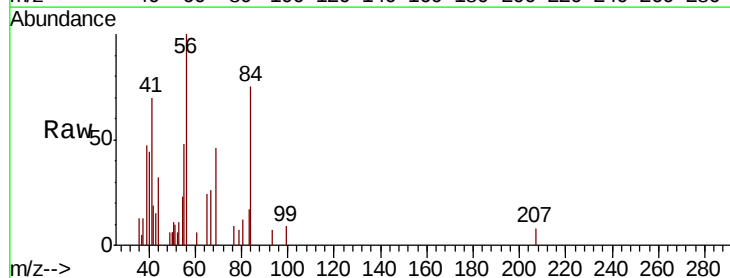
Tgt Ion: 96 Resp: 5473
 Ion Ratio Lower Upper
 96 100
 61 131.6 96.8 179.8
 98 64.1 43.5 80.9

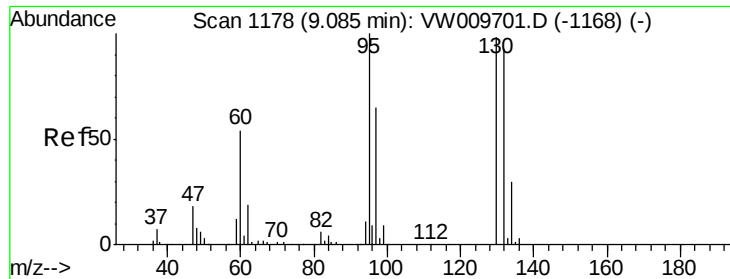


#30

Cyclohexane
 Concen: 0.301 ug/L
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW009716.D
 Acq: 05 Apr 2019 07:04

Tgt Ion: 56 Resp: 2286
 Ion Ratio Lower Upper
 56 100
 69 25.0 23.4 35.2
 84 78.1 67.7 101.5





#35

Trichloroethene

Concen: 3.662 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

BF141

Tgt Ion: 95 Resp: 18542

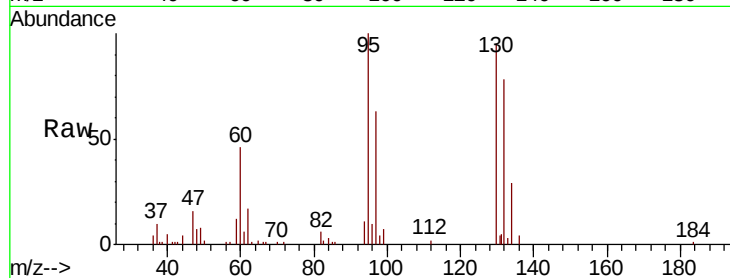
Ion Ratio Lower Upper

95 100

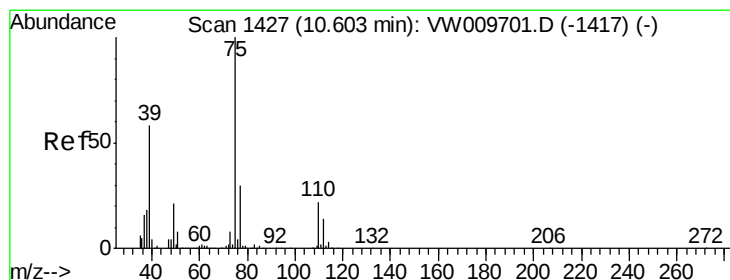
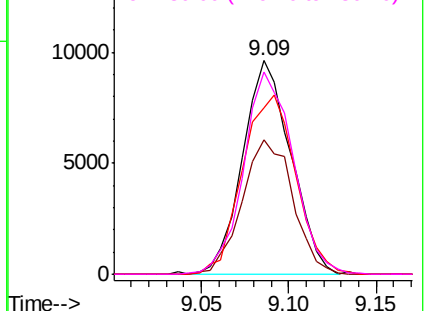
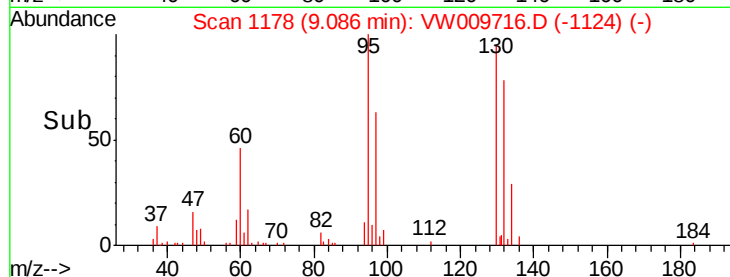
97 65.8 44.9 83.5

132 92.3 67.1 124.7

130 97.2 69.2 128.6



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: 0.471 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009716.D

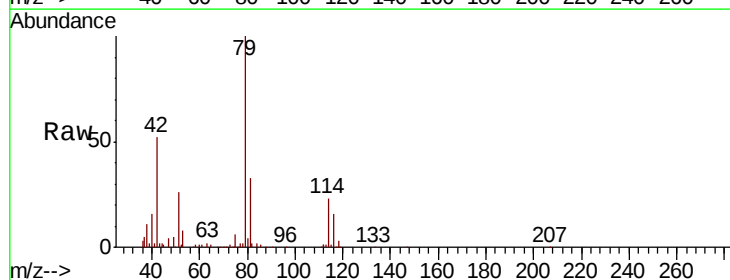
Acq: 05 Apr 2019 07:04

Tgt Ion: 75 Resp: 3115

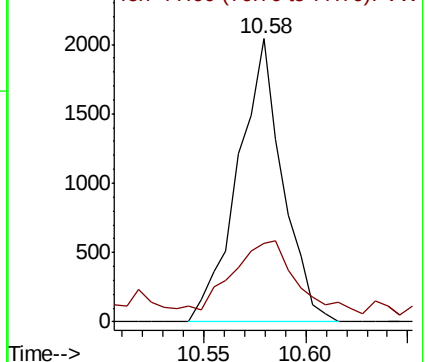
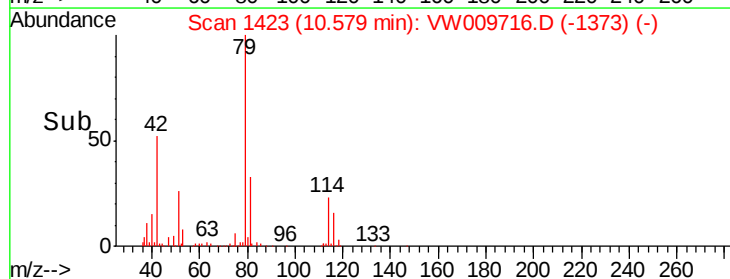
Ion Ratio Lower Upper

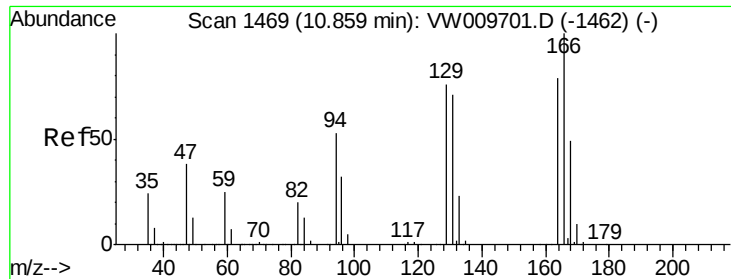
75 100

77 27.7 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 50.261 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009716.D

Acq: 05 Apr 2019 07:04

Instrument :

MSVOA_W

ClientSampled :

BF141

Tgt Ion:164 Resp: 200426

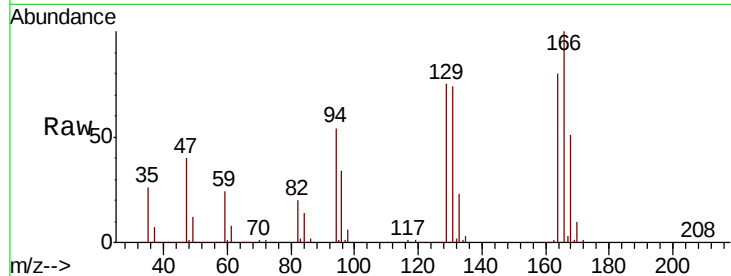
Ion Ratio Lower Upper

164 100

129 94.0 68.9 127.9

131 92.5 63.1 117.1

166 125.5 88.5 164.4

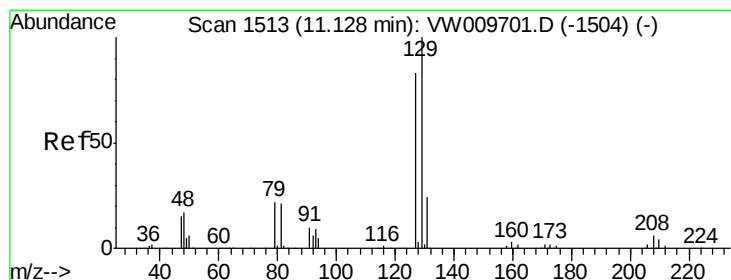
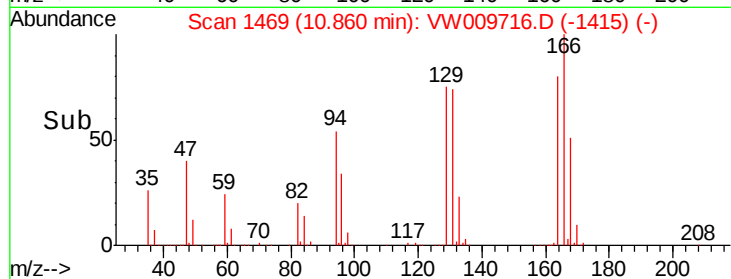
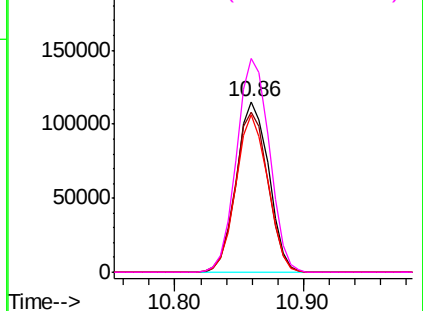


Abundance Ion 164.00 (163.70 to 164.70): V

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: 41.442 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW009716.D

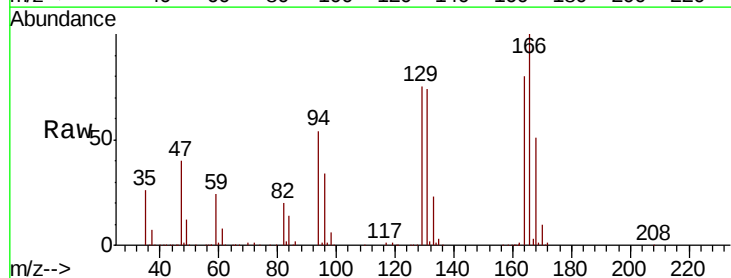
Acq: 05 Apr 2019 07:04

Tgt Ion:129 Resp: 189265

Ion Ratio Lower Upper

129 100

127 0.5 53.0 98.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

