

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\
 Data File : VW009718.D
 Acq On : 05 Apr 2019 07:58
 Operator : SY/VA
 Sample : K2276-16
 Misc : 5.55G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF143

Quant Time: Apr 05 08:58:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:15:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	344921	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339391	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141056	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	127694	28.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.16%
7) Chloroethane-d5	2.89	69	116035	28.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.24%
10) 1,1-Dichloroethene-d2	4.01	63	218249	22.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.92%
20) 2-Butanone-d5	7.08	46	101111	69.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.00%#
24) Chloroform-d	7.91	84	154	0.02	ug/L	0.27
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.08%#
26) 1,2-Dichloroethane-d4	8.30	65	177551	30.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.92%
29) Benzene-d6	8.27	84	511838	28.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.92%
33) 1,2-Dichloropropane-d6	9.27	67	156806	28.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.00%
37) Toluene-d8	10.32	98	453959	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.24%
38) trans-1,3-Dichloropropene-	10.57	79	70332	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.20%
39) 2-Hexanone-d5	10.92	63	69049	66.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	156778	30.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.56%#
61) 1,2-Dichlorobenzene-d4	13.85	152	165384	33.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	133.64%#

Target Compounds

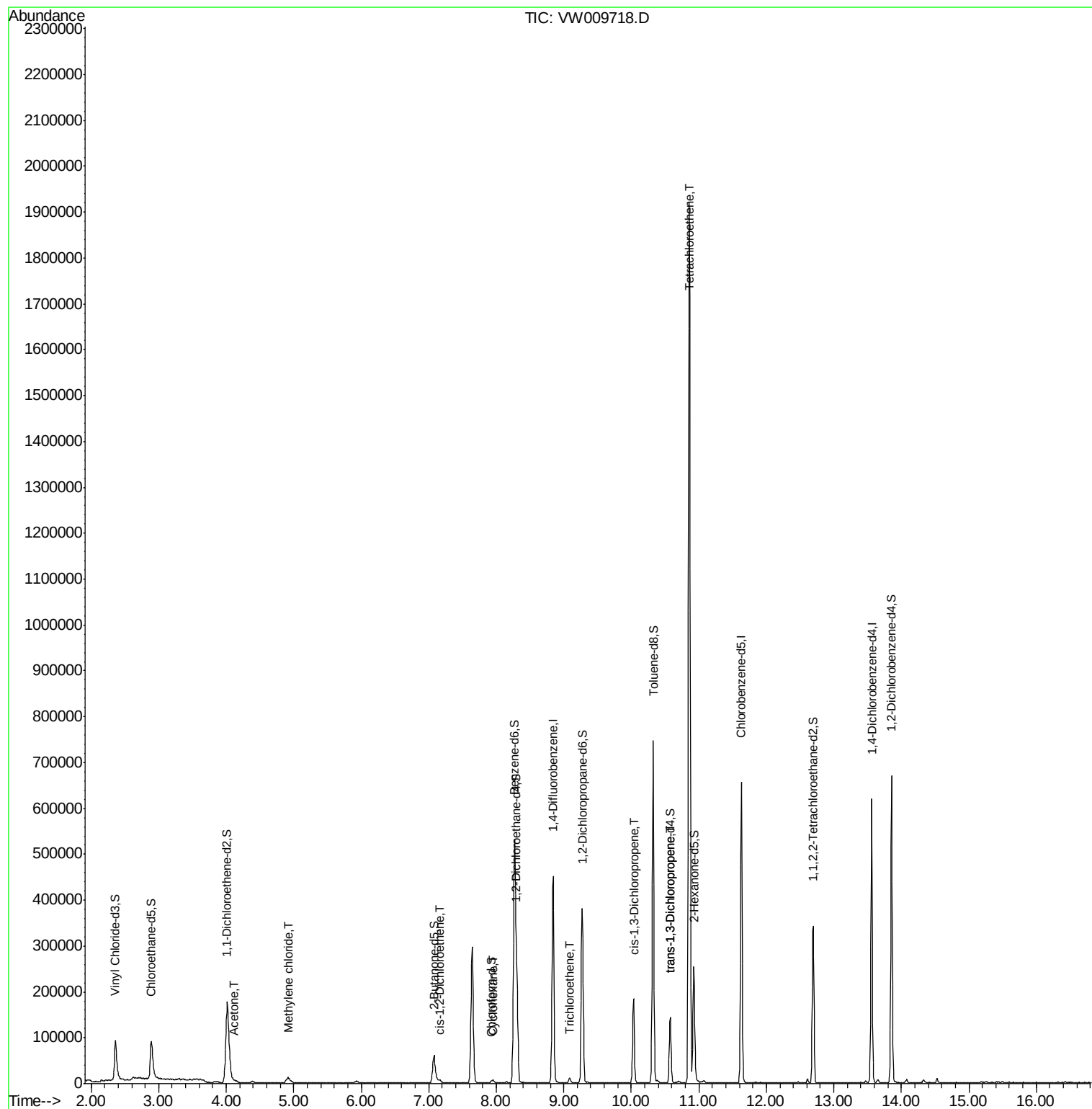
					Ovalue
13) Acetone	4.12	43	2609	1.662 ug/L	84
16) Methylene chloride	4.91	84	5795	0.953 ug/L	73
22) cis-1,2-Dichloroethene	7.17	96	2315	0.454 ug/L	86
30) Cyclohexane	7.95	56	3199	0.399 ug/L #	46
35) Trichloroethene	9.09	95	2602	0.487 ug/L #	75
42) cis-1,3-Dichloropropene	10.04	75	5532	0.683 ug/L #	43
45) trans-1,3-Dichloropropene	10.58	75	3720	0.533 ug/L #	75
47) Tetrachloroethene	10.86	164	386250	91.772 ug/L	99

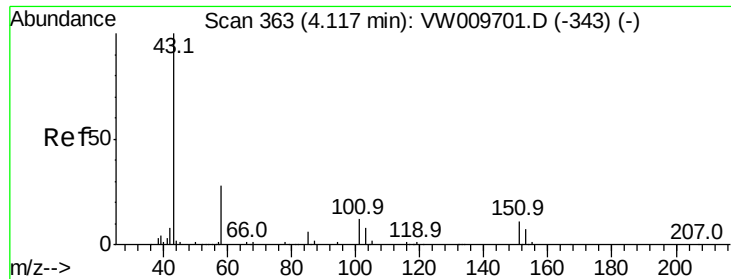
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.662 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

Instrument :

MSVOA_W

ClientSampled :

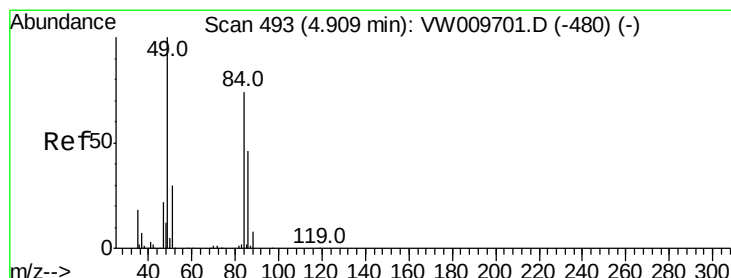
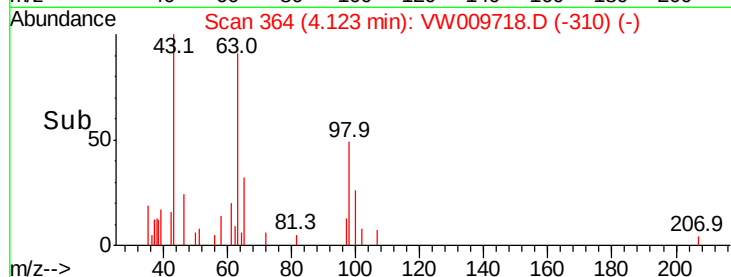
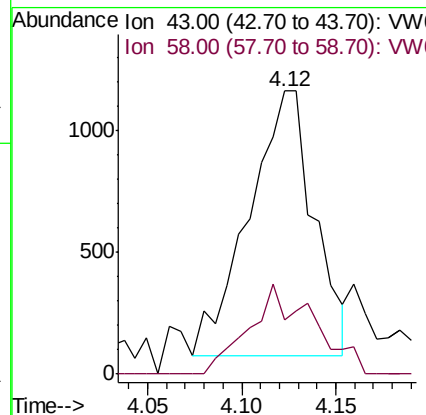
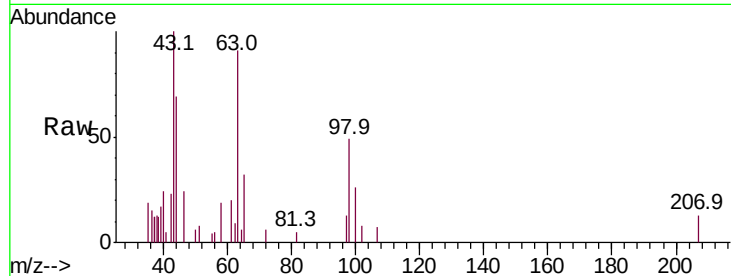
BF143

Tot Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

58 18.5 0.0 53.0



#16

Methylene chloride

Concen: 0.953 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

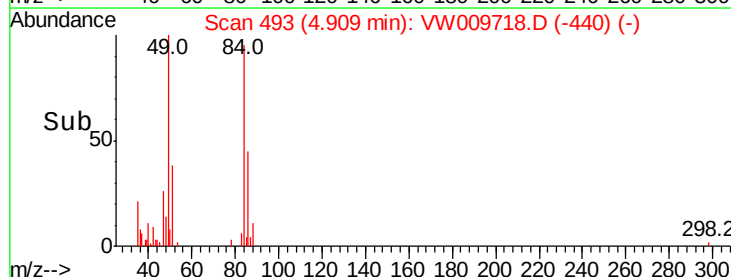
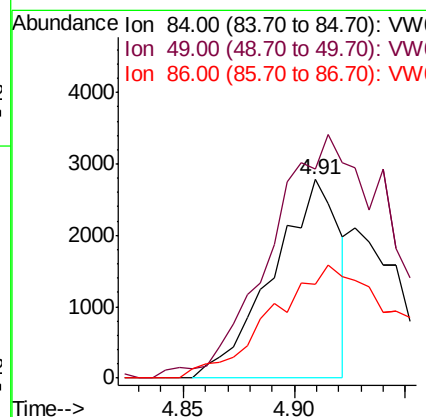
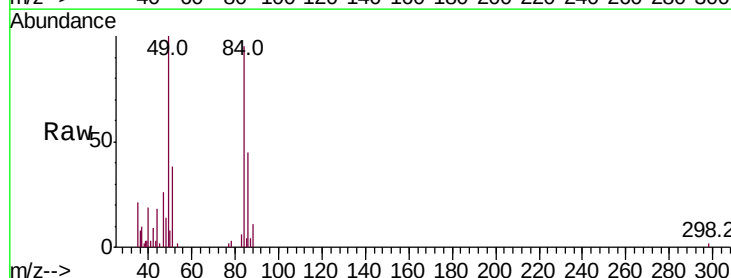
Tgt Ion: 84 Resp: 5795

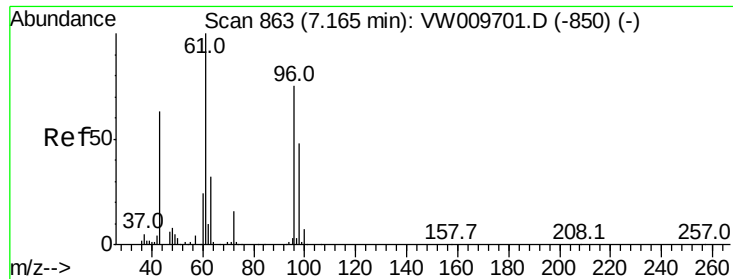
Ion Ratio Lower Upper

84 100

49 105.5 98.3 182.5

86 47.2 46.4 86.2





#22

cis-1,2-Dichloroethene

Concen: 0.454 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

Instrument :

MSVOA_W

ClientSampled :

BF143

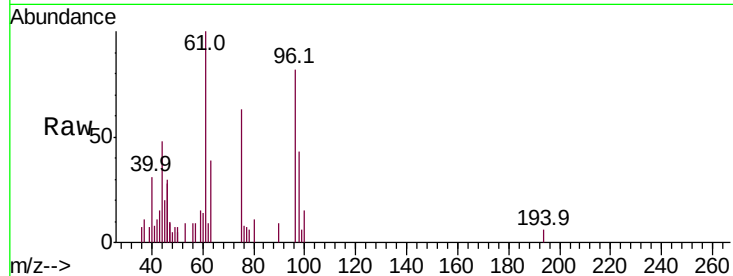
Tot Ion: 96 Resp: 2315

Ion Ratio Lower Upper

96 100

61 121.5 96.8 179.8

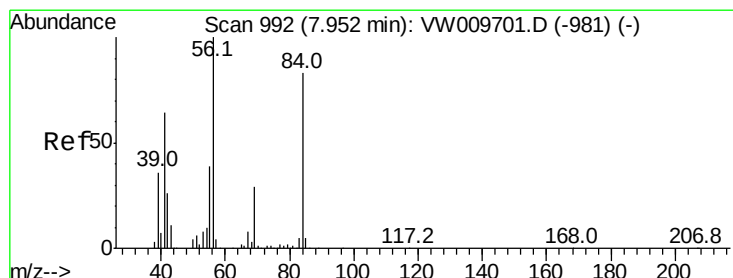
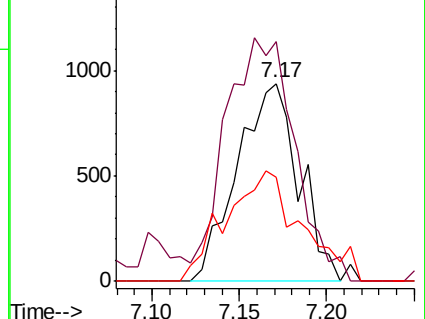
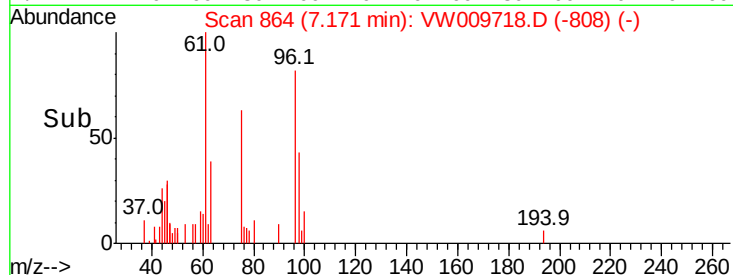
98 52.5 43.5 80.9



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



#30

Cyclohexane

Concen: 0.399 ug/L

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

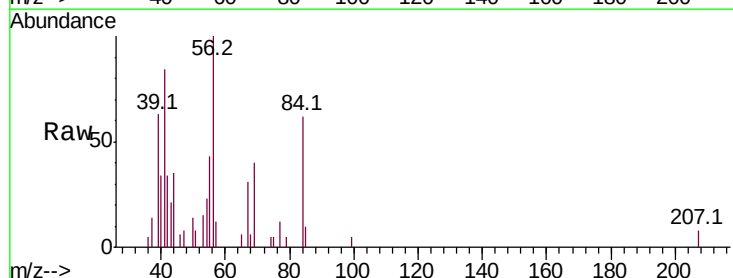
Tgt Ion: 56 Resp: 3199

Ion Ratio Lower Upper

56 100

69 32.4 23.4 35.2

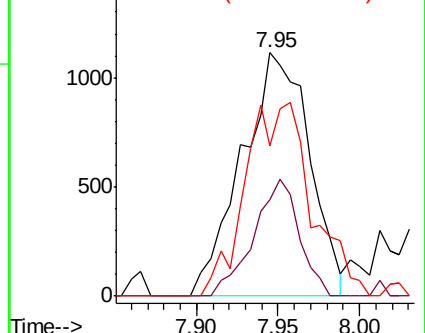
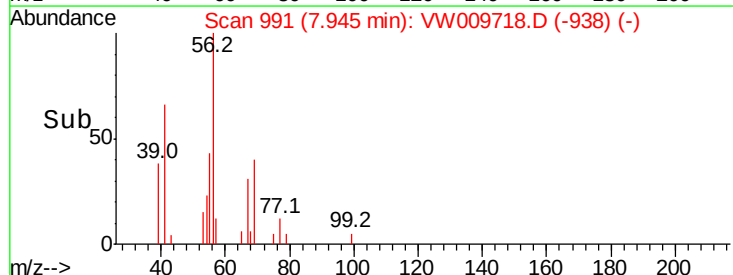
84 19.8 67.7 101.5#

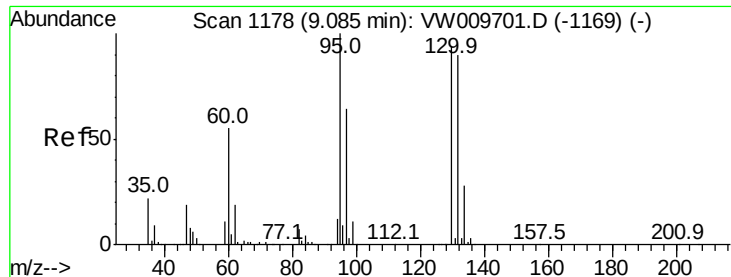


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#35

Trichloroethene

Concen: 0.487 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

Instrument :

MSVOA_W

ClientSampleId :

BF143

Tot Ion: 95 Resp: 2602

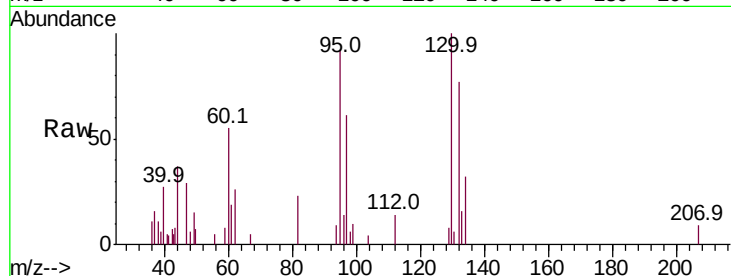
Ion Ratio Lower Upper

95 100

97 72.8 44.9 83.5

132 46.0 67.1 124.7#

130 109.0 69.2 128.6

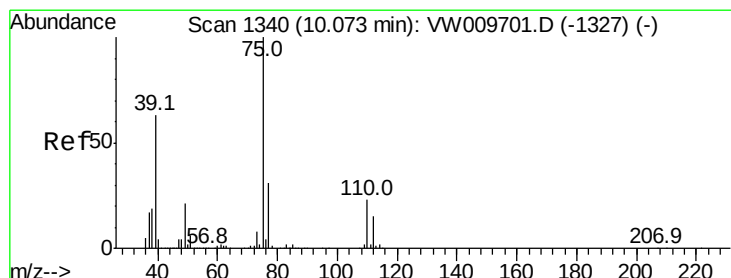
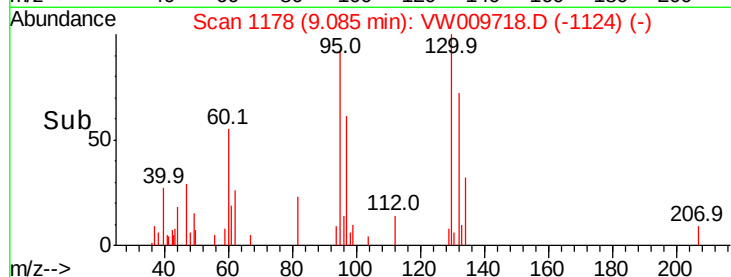
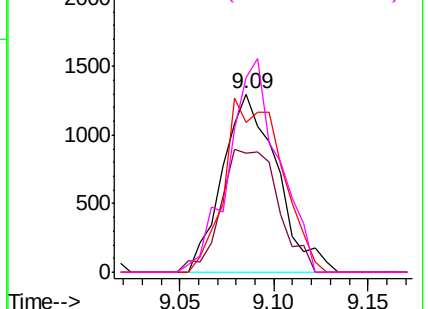


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.683 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009718.D

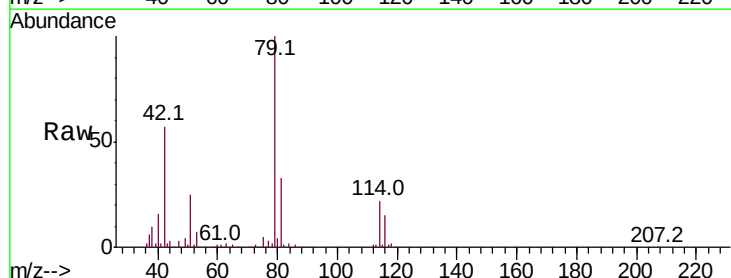
Acq: 05 Apr 2019 07:58

Tgt Ion: 75 Resp: 5532

Ion Ratio Lower Upper

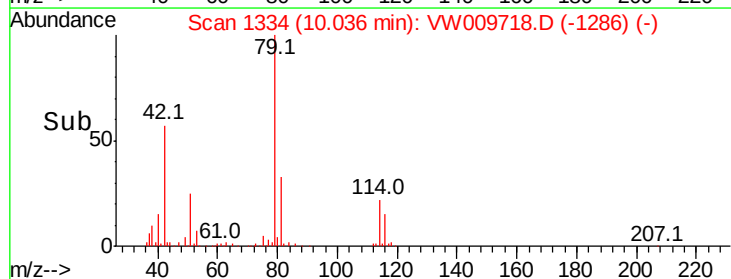
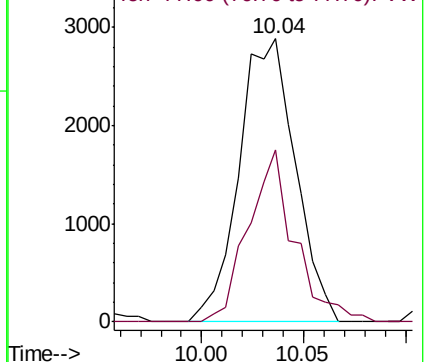
75 100

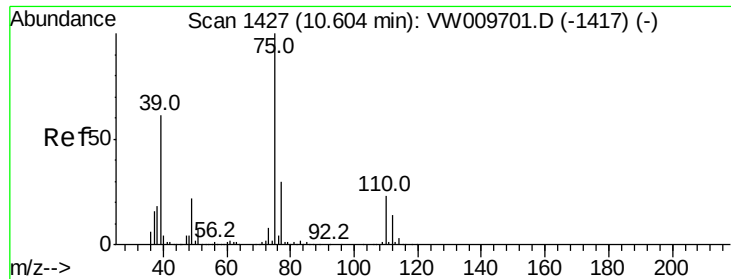
77 61.0 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.533 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

Instrument :

MSVOA_W

ClientSampled :

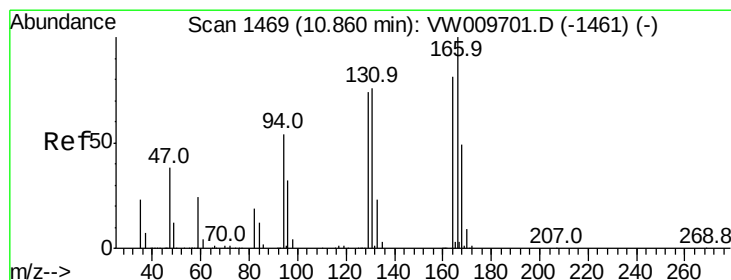
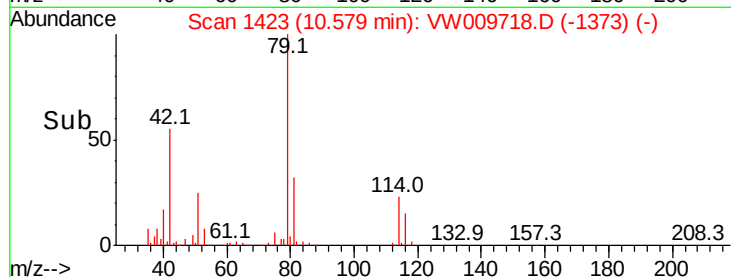
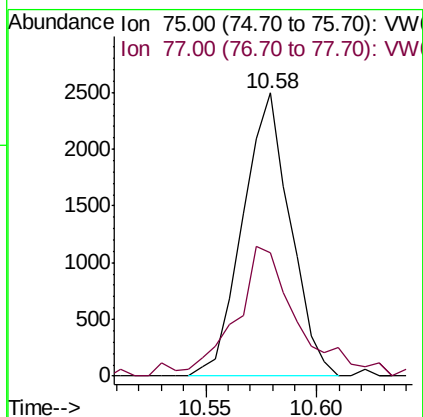
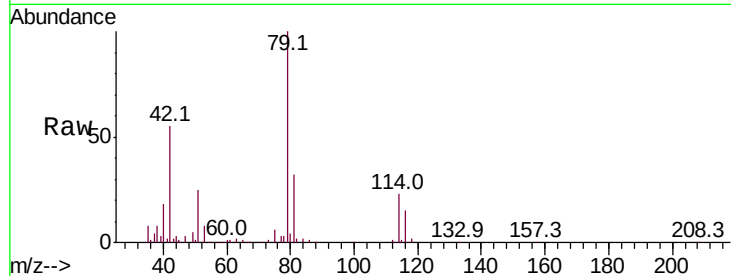
BF143

Tot Ion: 75 Resp: 3720

Ion Ratio Lower Upper

75 100

77 43.8 21.1 39.3#



#47

Tetrachloroethene

Concen: 91.772 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009718.D

Acq: 05 Apr 2019 07:58

Tgt Ion:164 Resp: 386250

Ion Ratio Lower Upper

164 100

129 96.5 68.9 127.9

131 90.6 63.1 117.1

166 125.4 88.5 164.4

