

Data File : VW009401.D
Acq On : 23 Mar 2019 20:43
Operator : SY/VA
Sample : K2062-17
Misc : 5.63G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0H4

Quant Time: Mar 23 23:56:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	383368	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	166809	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95067	20.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.00%
7) Chloroethane-d5	2.89	69	99860	18.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.52%
10) 1,1-Dichloroethene-d2	4.02	63	154362	15.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.36%
20) 2-Butanone-d5	7.07	46	92003	48.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.12%
24) Chloroform-d	7.65	84	243372	23.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	8.43	65	98	0.02	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	435410	21.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.44%
33) 1,2-Dichloropropane-d6	9.27	67	139720	23.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.32%
37) Toluene-d8	10.32	98	380515	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.68%
38) trans-1,3-Dichloropropene-	10.58	79	61304	20.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.68%
39) 2-Hexanone-d5	10.92	63	71160	48.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142889	23.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	153848	24.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.20%

Target Compounds

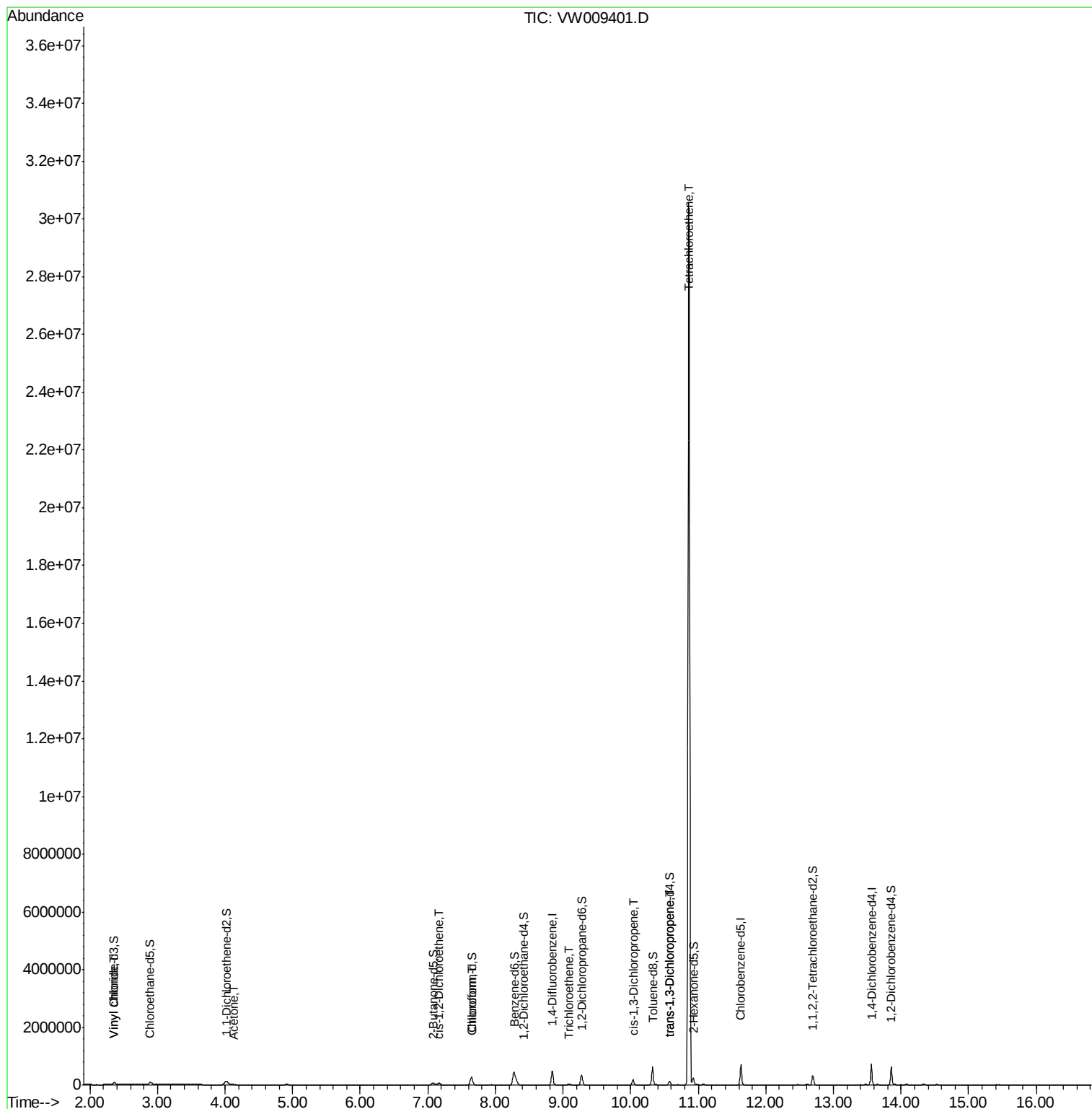
					Qvalue
5) Vinyl chloride	2.36	62	1699	0.308 ug/L #	1
13) Acetone	4.13	43	2900	1.867 ug/L	62
22) cis-1,2-Dichloroethene	7.17	96	25370	4.718 ug/L	96
25) Chloroform	7.66	83	3907	0.412 ug/L	84
35) Trichloroethene	9.09	95	9504	1.783 ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	4945	0.592 ug/L #	79
45) trans-1,3-Dichloropropene	10.57	75	3225	0.444 ug/L #	77
47) Tetrachloroethene	10.86	164	5754324	1277.928 ug/L	94

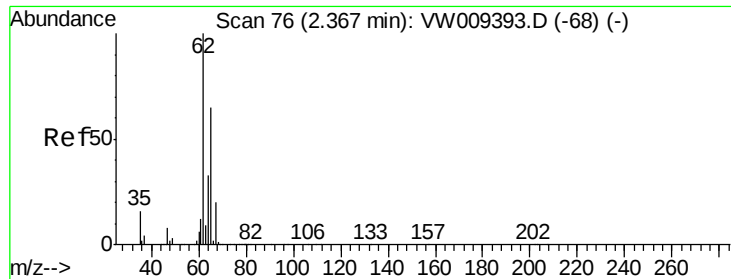
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.308 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009401.D

Acq: 23 Mar 2019 20:43

Instrument :

MSVOA_W

ClientSampleId :

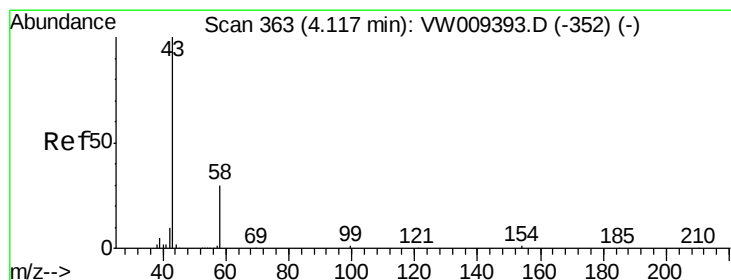
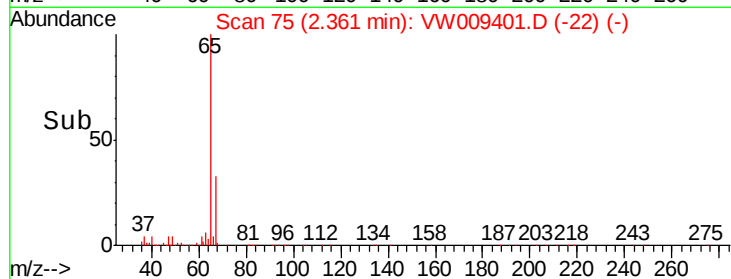
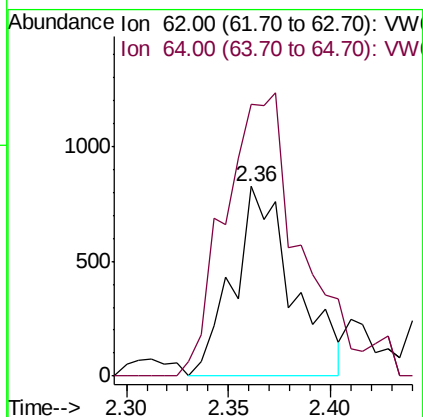
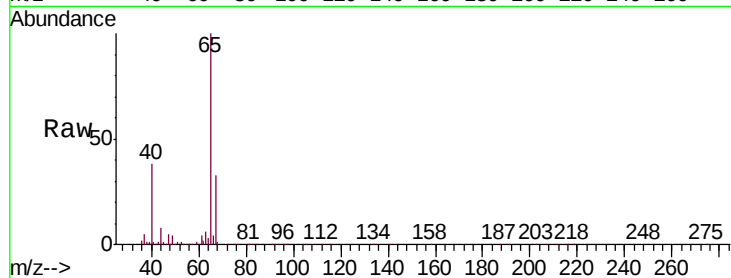
BF0H4

Tgt Ion: 62 Resp: 1699

Ion Ratio Lower Upper

62 100

64 143.3 23.0 42.6#



#13

Acetone

Concen: 1.867 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009401.D

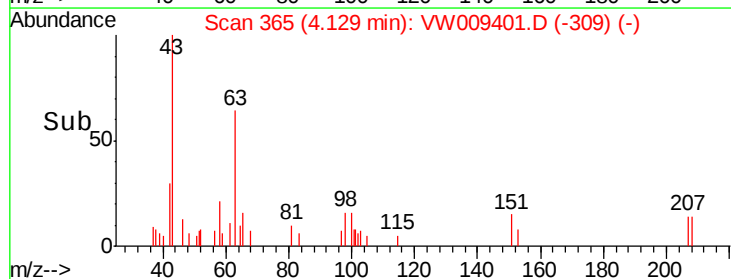
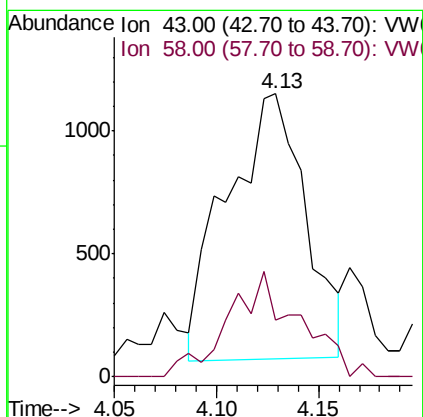
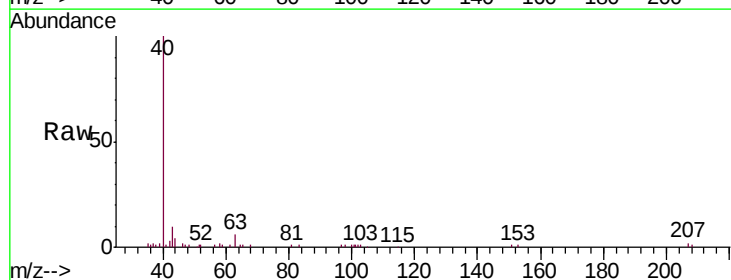
Acq: 23 Mar 2019 20:43

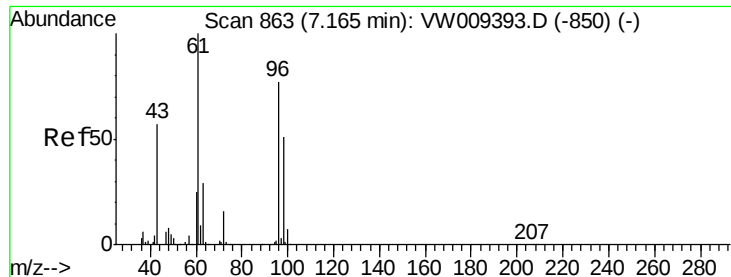
Tgt Ion: 43 Resp: 2900

Ion Ratio Lower Upper

43 100

58 8.3 0.0 56.2



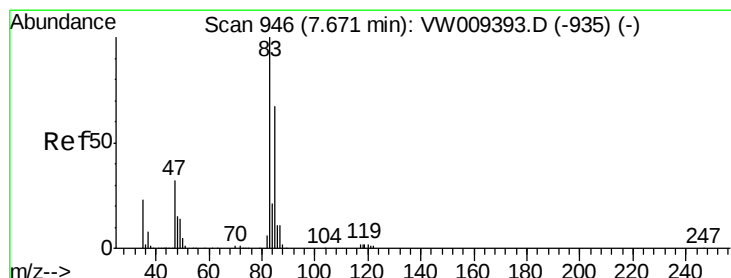
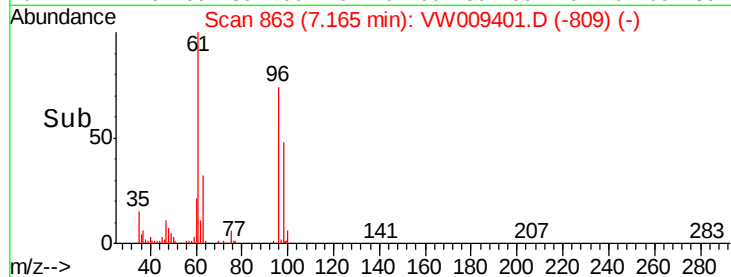
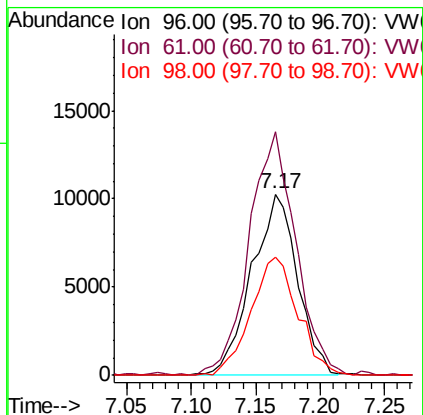
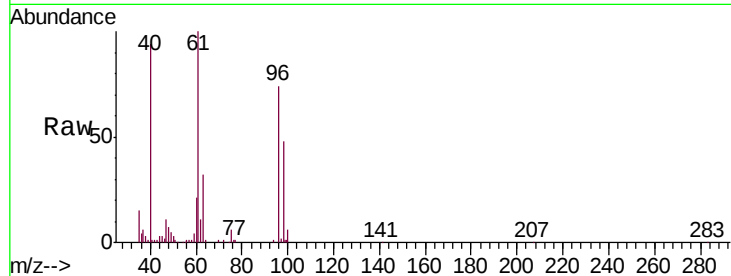


#22

cis-1,2-Dichloroethene
 Concen: 4.718 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009401.D
 Acq: 23 Mar 2019 20:43

Instrument :
 MSVOA_W
 ClientSampled :
 BF0H4

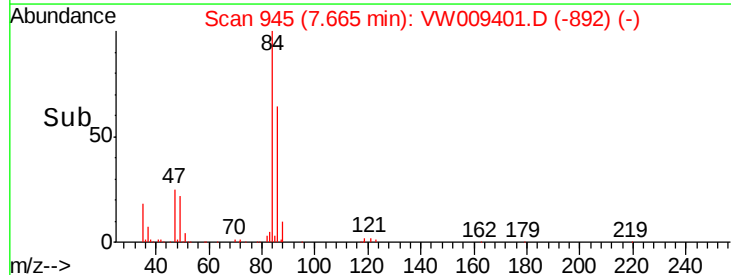
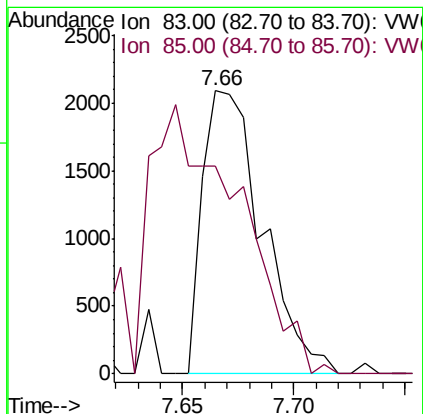
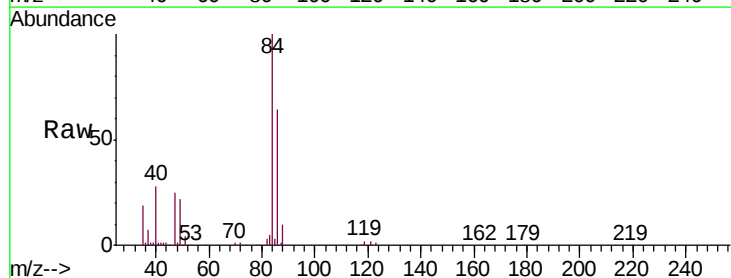
Tgt Ion: 96 Resp: 25370
 Ion Ratio Lower Upper
 96 100
 61 134.5 90.6 168.3
 98 65.1 44.0 81.8

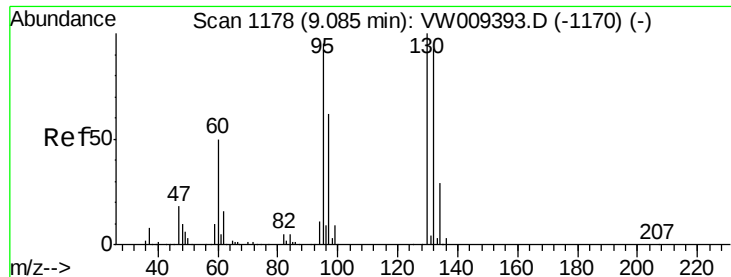


#25

Chloroform
 Concen: 0.412 ug/L
 RT: 7.66 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VW009401.D
 Acq: 23 Mar 2019 20:43

Tgt Ion: 83 Resp: 3907
 Ion Ratio Lower Upper
 83 100
 85 78.2 46.0 85.4





#35

Trichloroethene

Concen: 1.783 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009401.D

Acq: 23 Mar 2019 20:43

Instrument :

MSVOA_W

ClientSampled :

BFOH4

Tgt Ion: 95 Resp: 9504

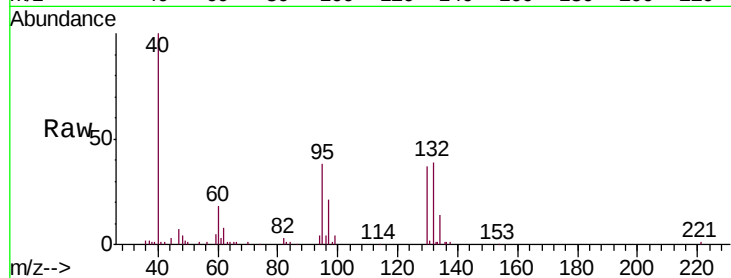
Ion Ratio Lower Upper

95 100

97 62.9 44.7 82.9

132 99.0 69.0 128.2

130 94.4 72.7 134.9

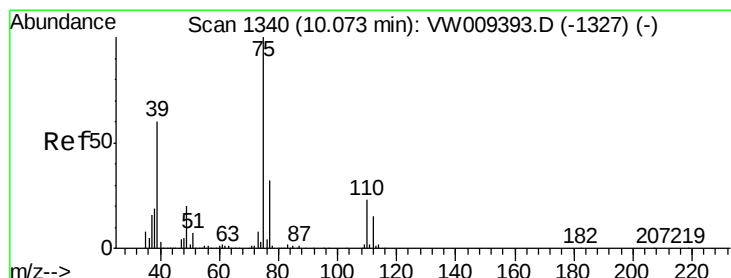
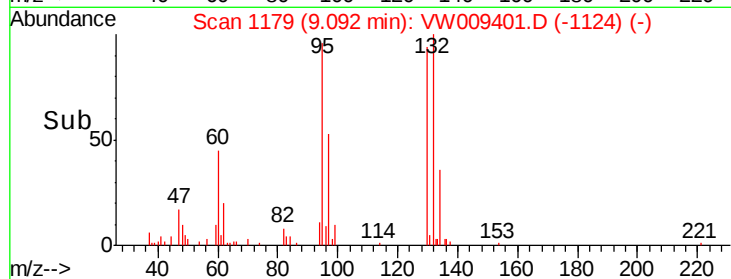
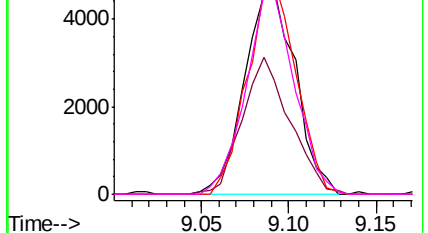


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.592 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009401.D

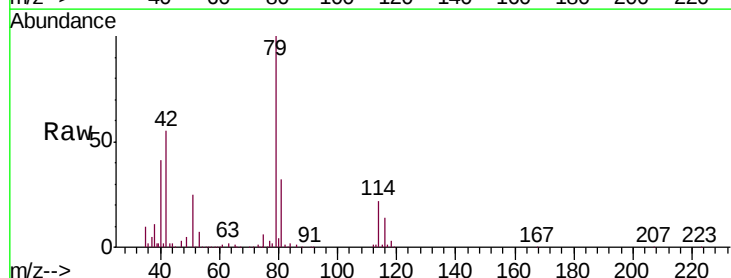
Acq: 23 Mar 2019 20:43

Tgt Ion: 75 Resp: 4945

Ion Ratio Lower Upper

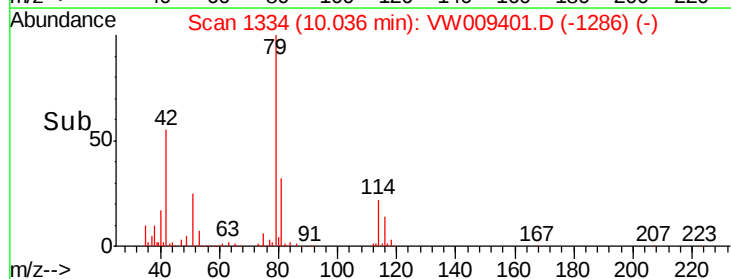
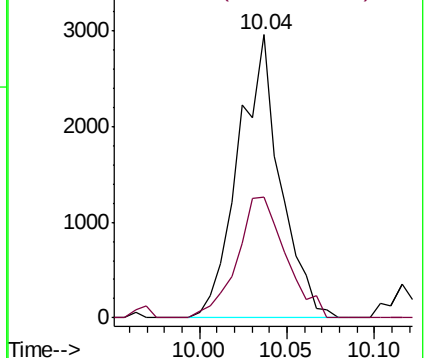
75 100

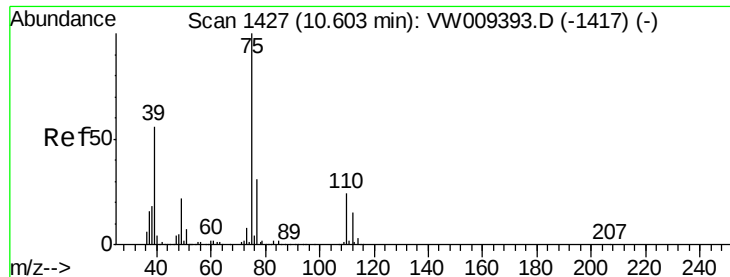
77 42.6 21.6 40.2#



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: 0.444 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009401.D

Acq: 23 Mar 2019 20:43

Instrument :

MSVOA_W

ClientSampleId :

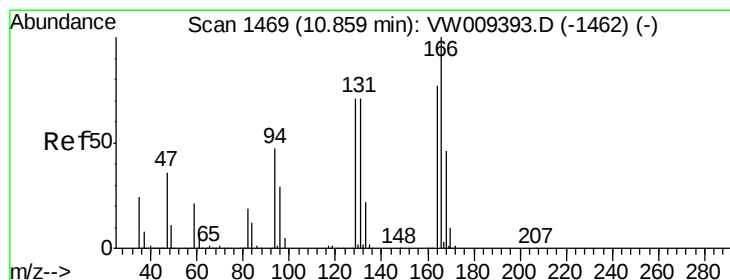
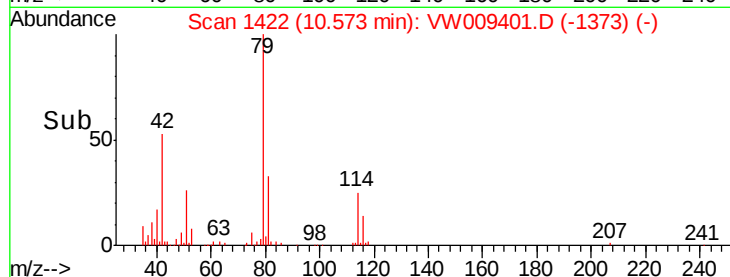
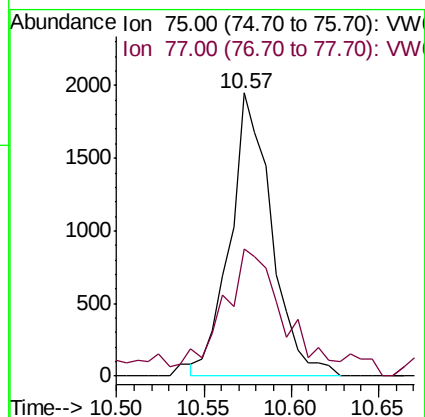
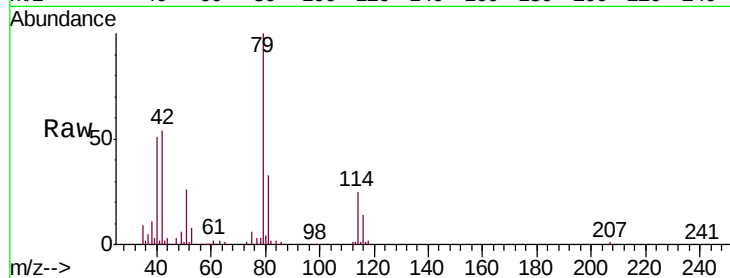
BF0H4

Tgt Ion: 75 Resp: 3225

Ion Ratio Lower Upper

75 100

77 44.8 22.5 41.7#



#47

Tetrachloroethene

Concen: 1277.928 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009401.D

Acq: 23 Mar 2019 20:43

Tgt Ion: 164 Resp: 5754324

Ion Ratio Lower Upper

164 100

129 99.9 66.5 123.5

131 96.1 62.6 116.3

166 124.6 91.6 170.0

