

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009423.D
 Acq On : 25 Mar 2019 12:56
 Operator : SY/VA
 Sample : K1988-09
 Misc : 5.22G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 07:50:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	197522	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	187114	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	77486	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	92043	38.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	155.96%#
7) Chloroethane-d5	2.89	69	96578	34.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	139.88%
10) 1,1-Dichloroethene-d2	4.01	63	152413	29.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	119.52%#
20) 2-Butanone-d5	7.08	46	74165	75.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.96%#
24) Chloroform-d	7.64	84	239356	44.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	177.60%#
26) 1,2-Dichloroethane-d4	8.31	65	139871	43.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	172.28%#
29) Benzene-d6	8.27	84	427120	41.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	165.56%#
33) 1,2-Dichloropropane-d6	9.27	67	134187	43.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	173.16%#
37) Toluene-d8	10.32	98	365130	38.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	153.08%#
38) trans-1,3-Dichloropropene-	10.58	79	57598	37.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	148.00%#
39) 2-Hexanone-d5	10.93	63	52837	70.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.78%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120472	39.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	157.88%#
61) 1,2-Dichlorobenzene-d4	13.86	152	130864	44.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	176.16%#

Target Compounds

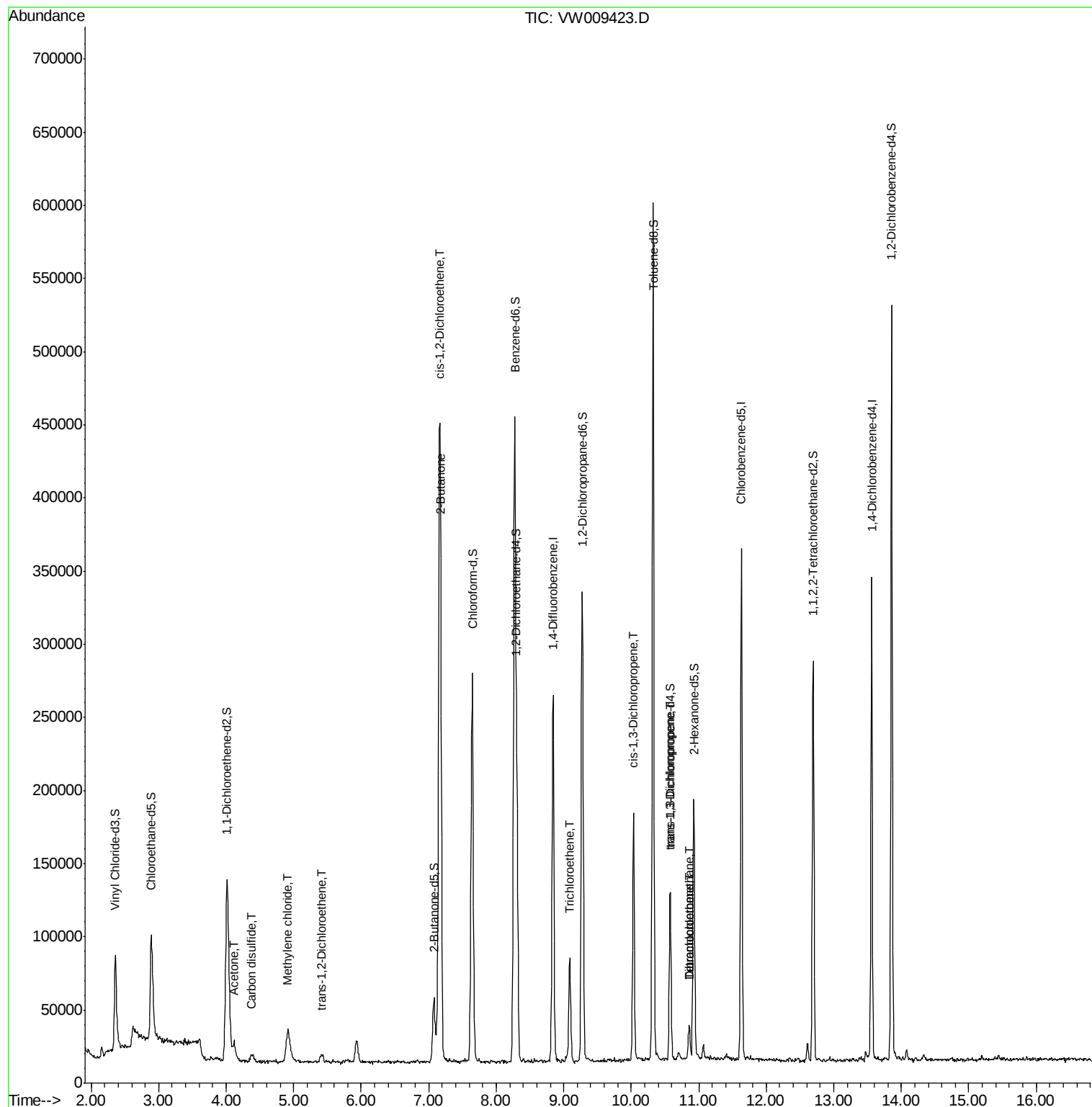
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	17569	21.947	ug/L	96
14) Carbon disulfide	4.38	76	3173	0.485	ug/L #	77
16) Methylene chloride	4.90	84	8434	2.928	ug/L	91
18) trans-1,2-Dichloroethene	5.42	96	1510	0.590	ug/L	87
21) 2-Butanone	7.18	43	1204	1.089	ug/L	76
22) cis-1,2-Dichloroethene	7.17	96	248977	89.875	ug/L	98
35) Trichloroethene	9.09	95	20820	7.629	ug/L	96
42) cis-1,3-Dichloropropene	10.04	75	4683	1.094	ug/L	88
45) trans-1,3-Dichloropropene	10.57	75	1449	0.389	ug/L	83
47) Tetrachloroethene	10.86	164	4227	1.833	ug/L	89
50) Dibromochloromethane	10.86	129	4175	1.613	ug/L #	9

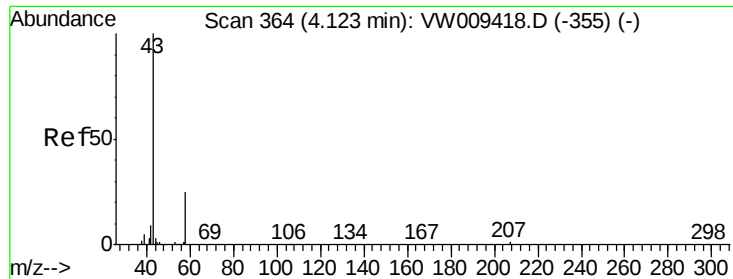
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration





#13

Acetone

Concen: 21.947 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009423.D

Acq: 25 Mar 2019 12:56

Instrument :

MSVOA_W

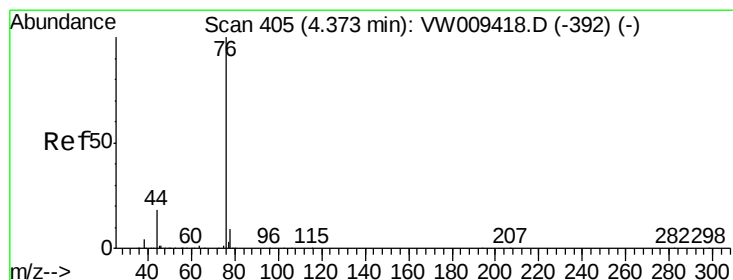
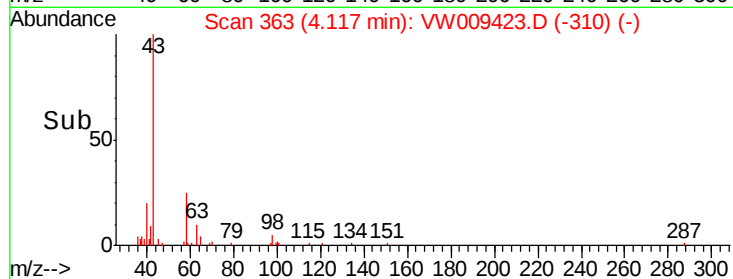
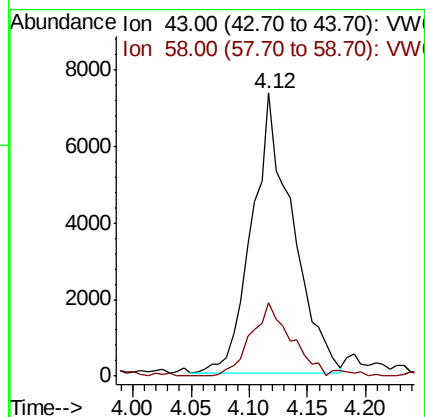
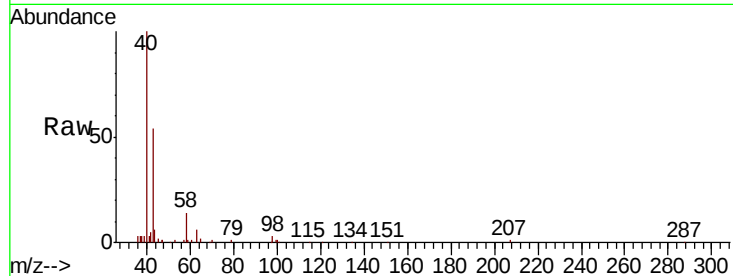
ClientSampleId :

Tot Ion: 43 Resp: 17569

Ion Ratio Lower Upper

43 100

58 25.8 0.0 56.2



#14

Carbon disulfide

Concen: 0.485 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009423.D

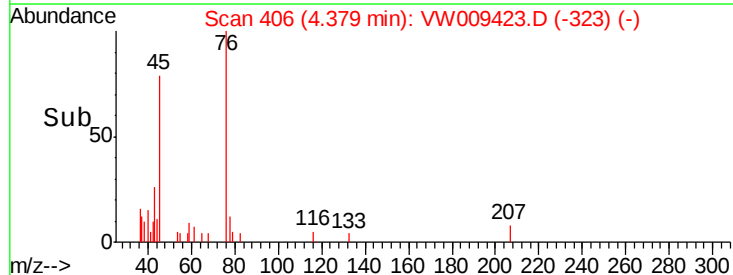
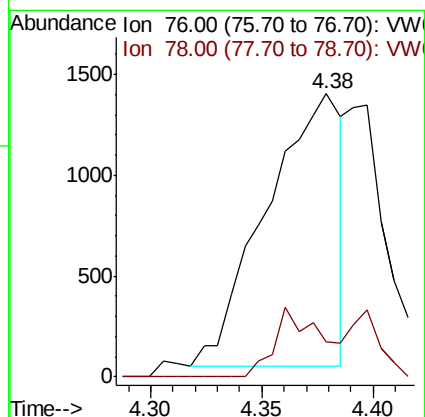
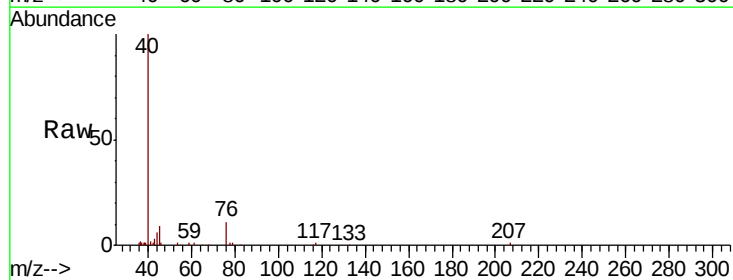
Acq: 25 Mar 2019 12:56

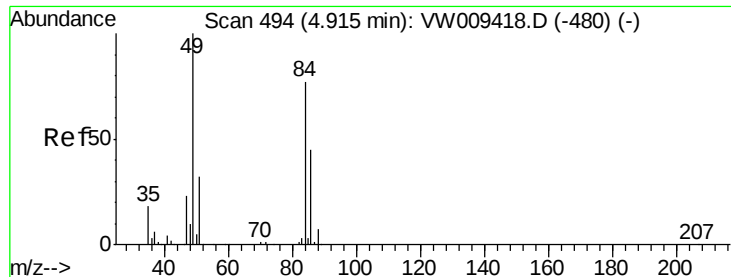
Tgt Ion: 76 Resp: 3173

Ion Ratio Lower Upper

76 100

78 17.5 7.3 10.9#

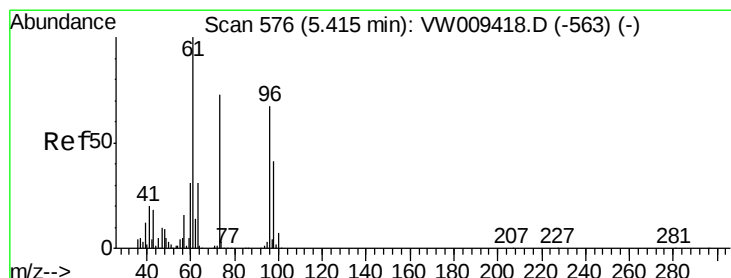
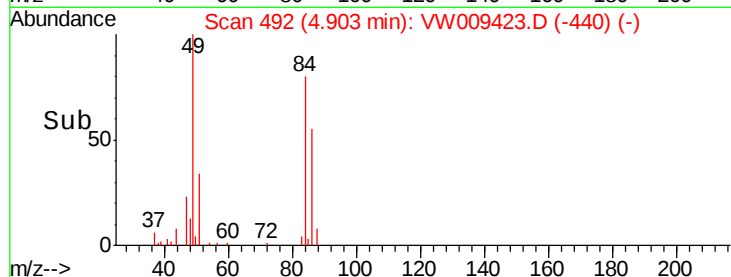
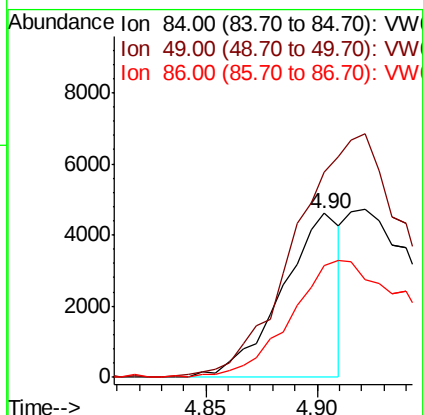
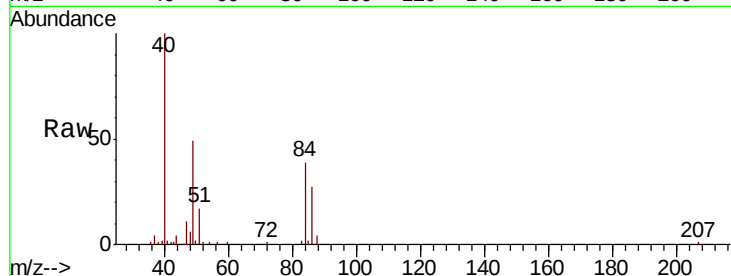




#16
Methvlene chloride
Concen: 2.928 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009423.D
Acq: 25 Mar 2019 12:56

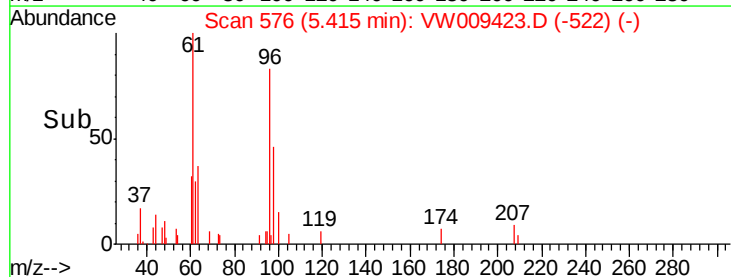
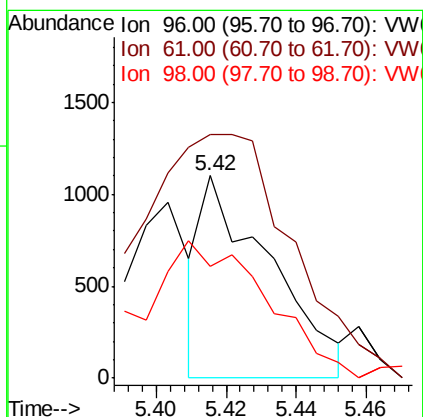
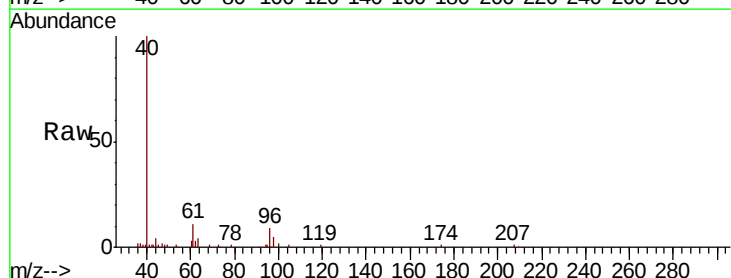
Instrument :
MSVOA_W
ClientSampled :

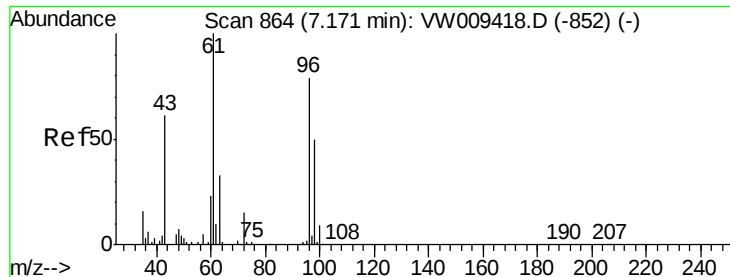
Tot Ion: 84 Resp: 8434
Ion Ratio Lower Upper
84 100
49 125.4 96.0 178.2
86 68.5 44.4 82.5



#18
trans-1,2-Dichloroethene
Concen: 0.590 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009423.D
Acq: 25 Mar 2019 12:56

Tgt Ion: 96 Resp: 1510
Ion Ratio Lower Upper
96 100
61 120.3 96.7 179.5
98 55.5 43.8 81.4

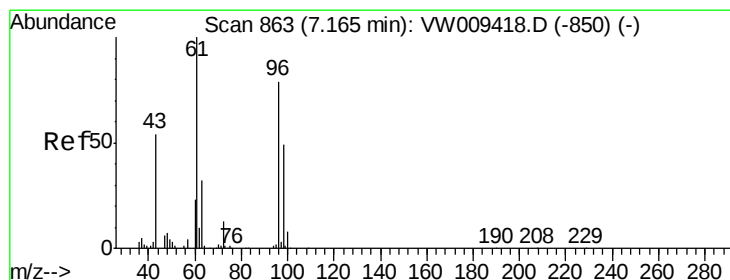
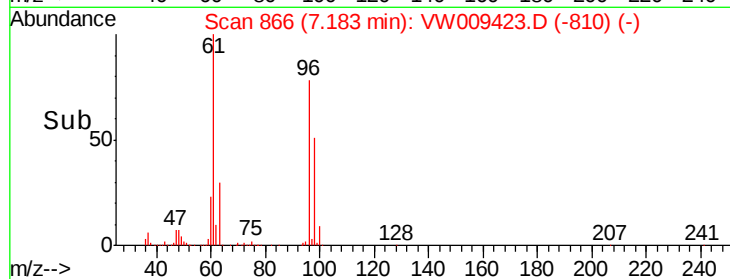
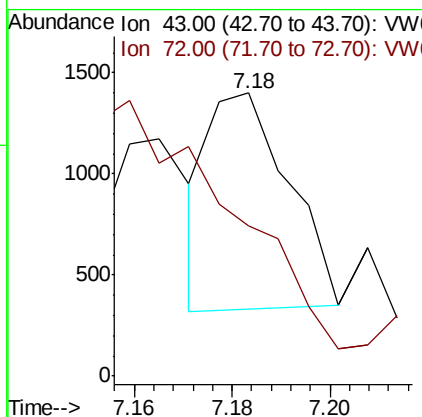
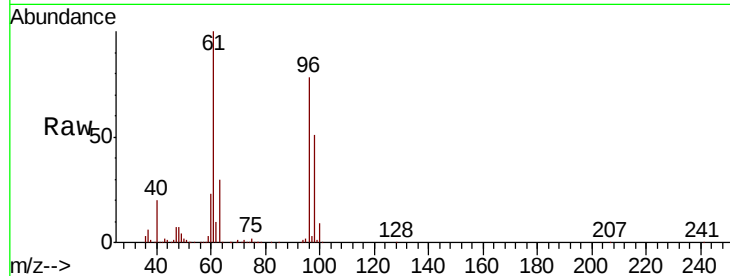




#21
 2-Butanone
 Concen: 1.089 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW009423.D
 Acq: 25 Mar 2019 12:56

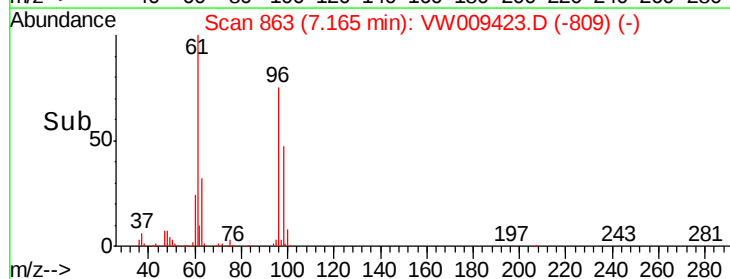
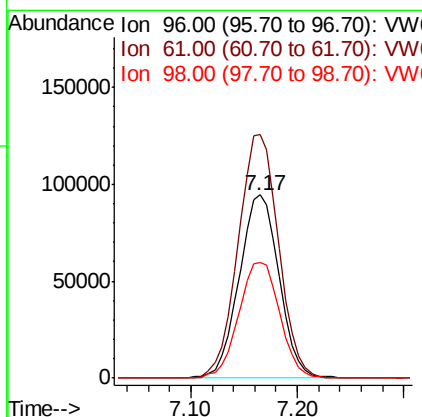
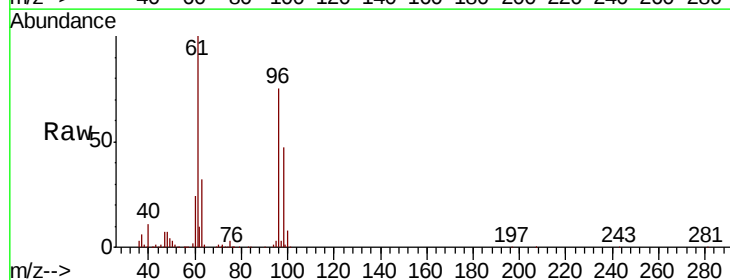
Instrument :
 MSVOA_W
 ClientSampled :

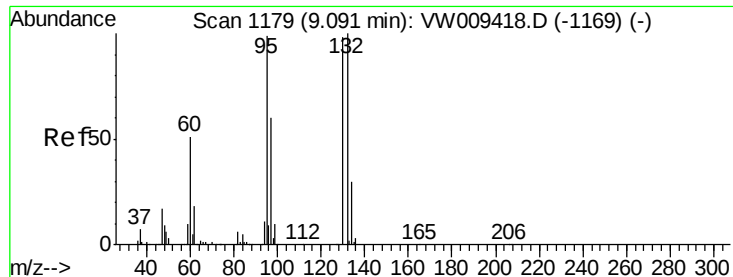
Tot Ion: 43 Resp: 1204
 Ion Ratio Lower Upper
 43 100
 72 13.7 13.1 39.1



#22
 cis-1,2-Dichloroethene
 Concen: 89.875 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009423.D
 Acq: 25 Mar 2019 12:56

Tgt Ion: 96 Resp: 248977
 Ion Ratio Lower Upper
 96 100
 61 133.0 90.6 168.3
 98 62.8 44.0 81.8





#35

Trichloroethene

Concen: 7.629 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009423.D

Acq: 25 Mar 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 20820

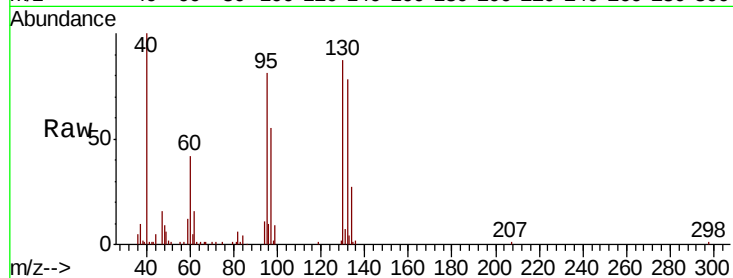
Ion Ratio Lower Upper

95 100

97 68.4 44.7 82.9

132 101.1 69.0 128.2

130 107.4 72.7 134.9

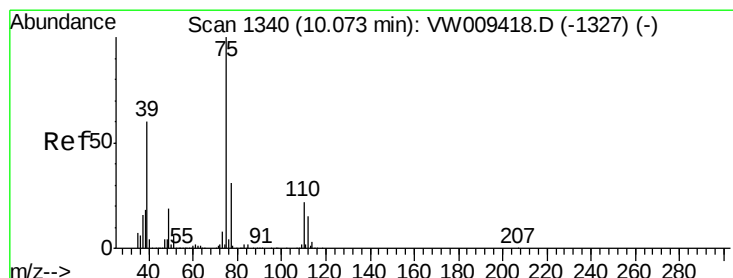
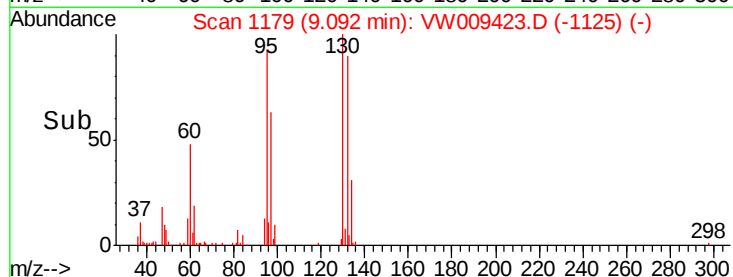
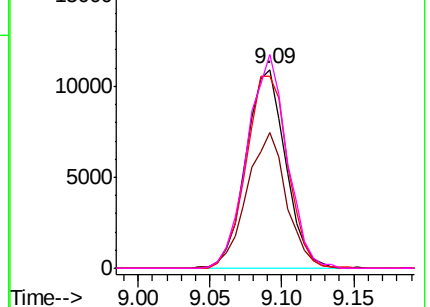


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 1.094 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009423.D

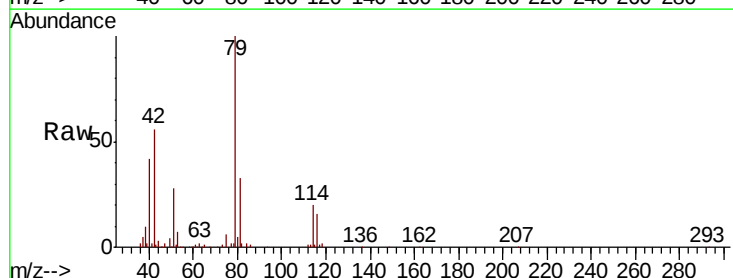
Acq: 25 Mar 2019 12:56

Tgt Ion: 75 Resp: 4683

Ion Ratio Lower Upper

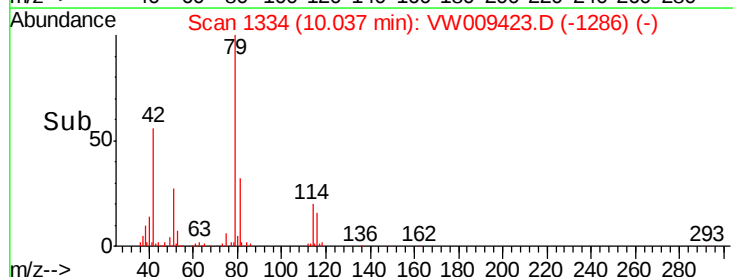
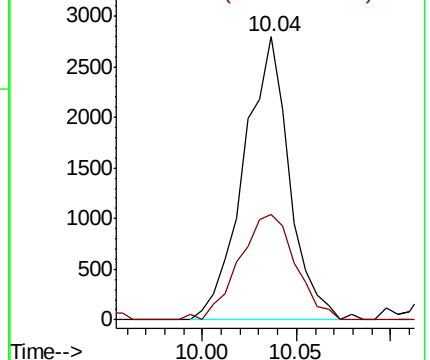
75 100

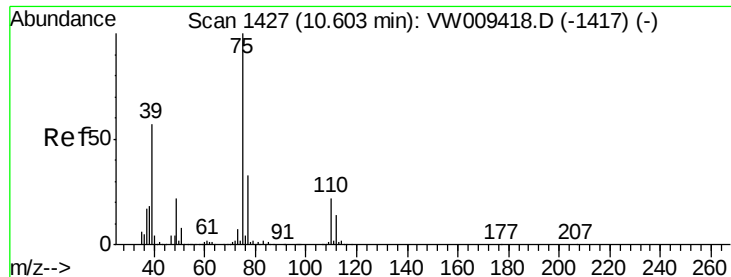
77 37.5 21.6 40.2



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: 0.389 ug/L

RT: 10.57 min Scan# 1421

Delta R.T. -0.04 min

Lab File: VW009423.D

Acq: 25 Mar 2019 12:56

Instrument :

MSVOA_W

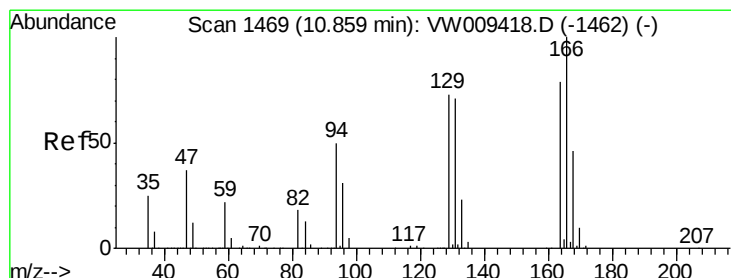
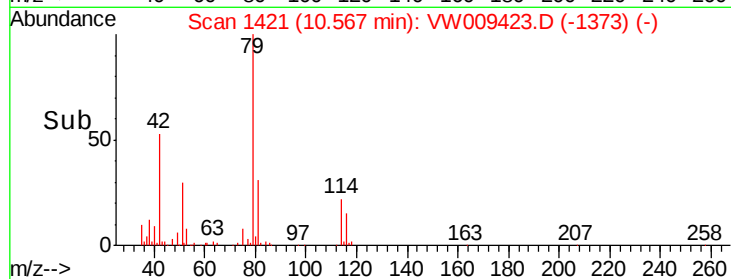
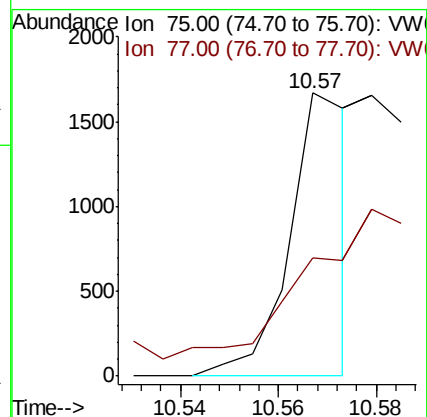
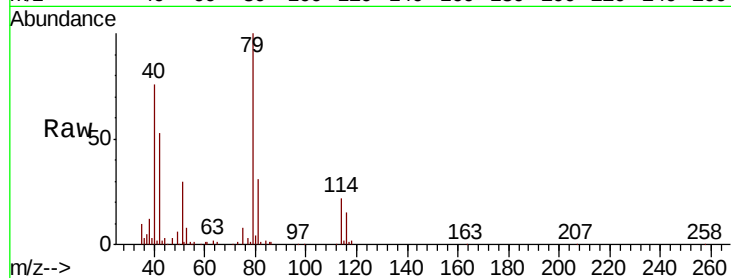
ClientSampleId :

Tot Ion: 75 Resp: 1449

Ion Ratio Lower Upper

75 100

77 41.7 22.5 41.7



#47

Tetrachloroethene

Concen: 1.833 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009423.D

Acq: 25 Mar 2019 12:56

Tgt Ion: 164 Resp: 4227

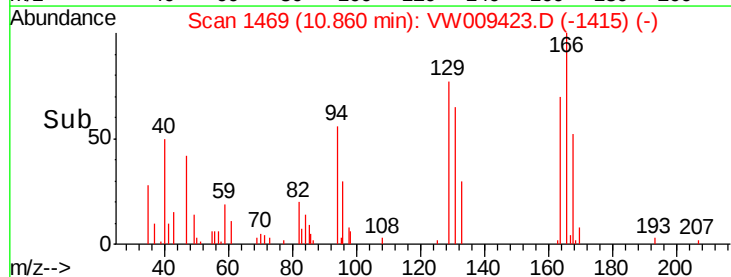
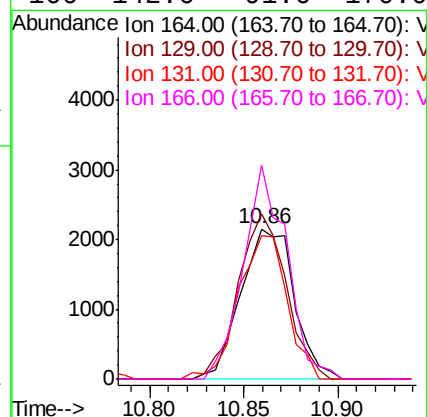
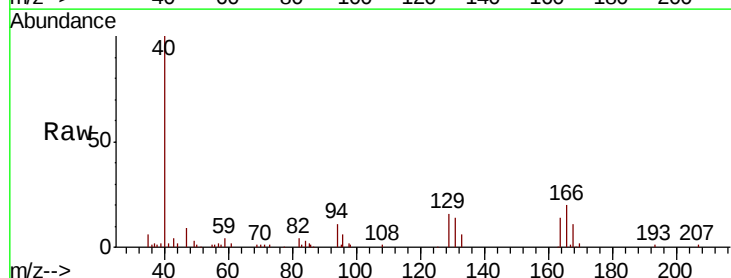
Ion Ratio Lower Upper

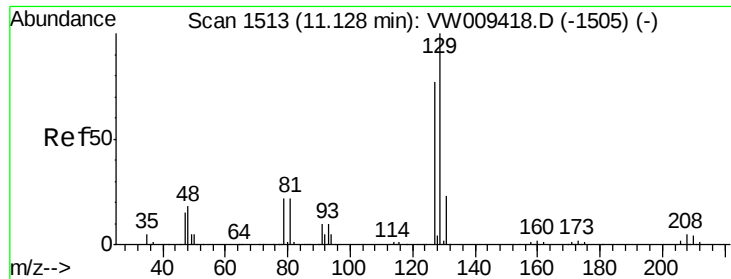
164 100

129 110.3 66.5 123.5

131 95.7 62.6 116.3

166 142.6 91.6 170.0





#50

Dibromochloromethane

Concen: 1.613 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW009423.D

Acq: 25 Mar 2019 12:56

Instrument :

MSVOA_W

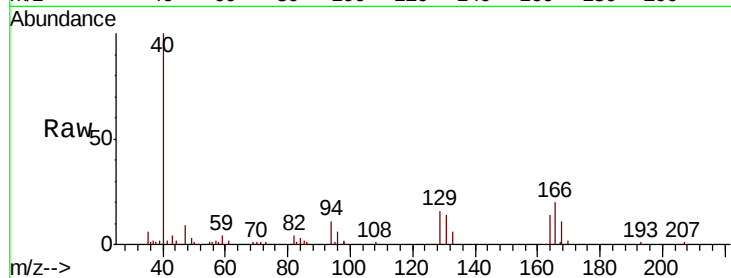
ClientSampleId :

Tot Ion:129 Resp: 4175

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

