

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032219\
 Data File : VW009351.D
 Acq On : 22 Mar 2019 16:26
 Operator : SY/VA
 Sample : K2017-13
 Misc : 5.11G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0D9

Quant Time: Mar 23 00:18:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	357161	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324878	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127415	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108726	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
7) Chloroethane-d5	2.90	69	107683	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.24%
10) 1,1-Dichloroethene-d2	4.01	63	166874	18.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.36%
20) 2-Butanone-d5	7.08	46	82239	46.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.18%
24) Chloroform-d	7.65	84	245593	25.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	8.31	65	145076	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.84%
29) Benzene-d6	8.27	84	443995	24.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.12%
33) 1,2-Dichloropropane-d6	9.27	67	137935	25.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.52%
37) Toluene-d8	10.32	98	378047	22.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.28%
38) trans-1,3-Dichloropropene-	10.58	79	56843	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.12%
39) 2-Hexanone-d5	10.93	63	58009	44.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123700	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	122271	25.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.12%

Target Compounds

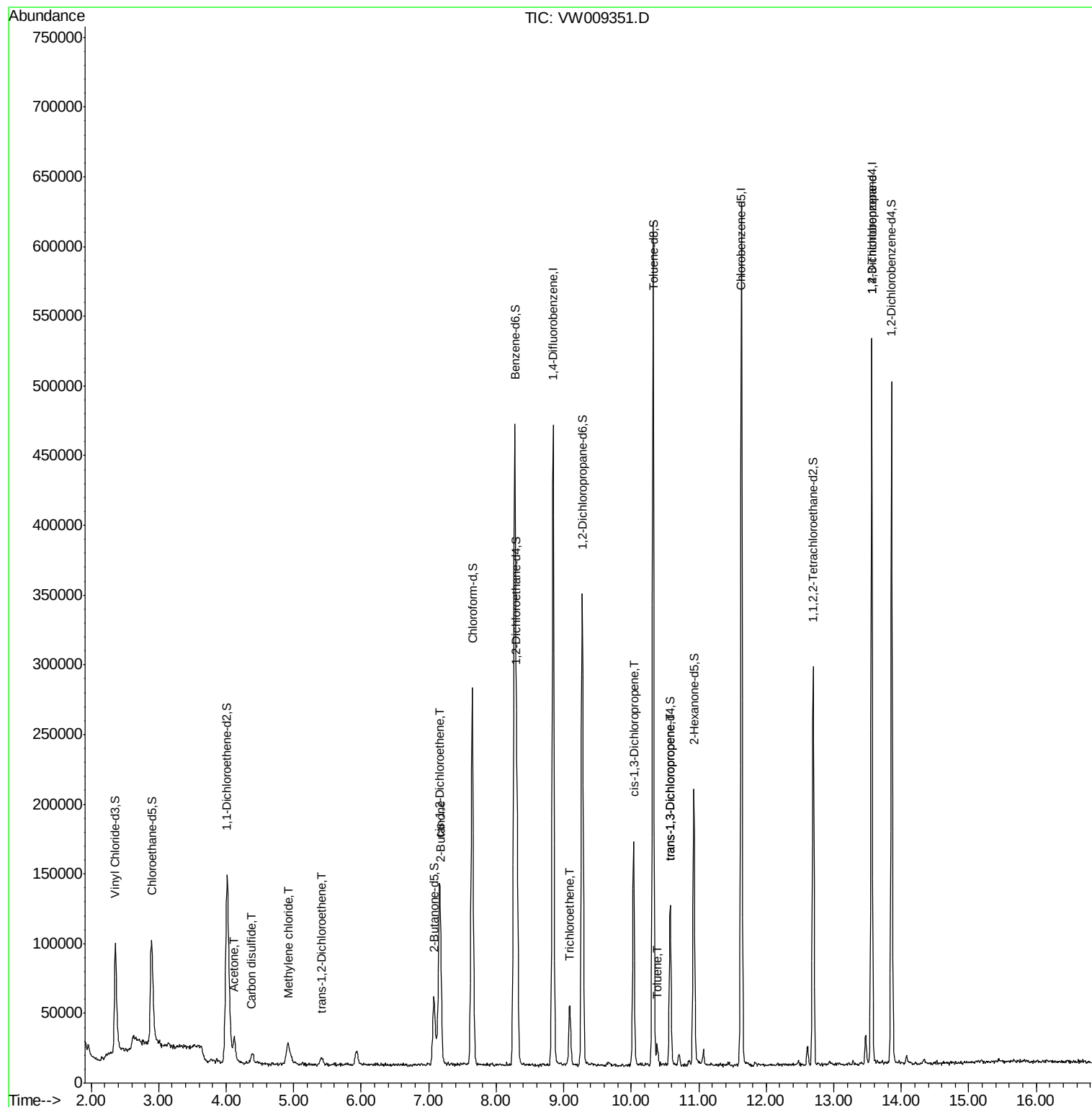
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	25657	17.725	ug/L	94
14) Carbon disulfide	4.37	76	7703	0.651	ug/L	98
16) Methylene chloride	4.92	84	14293	2.744	ug/L	82
18) trans-1,2-Dichloroethene	5.42	96	2316	0.501	ug/L	95
21) 2-Butanone	7.18	43	4380	2.192	ug/L #	29
22) cis-1,2-Dichloroethene	7.17	96	65467	13.069	ug/L	96
35) Trichloroethene	9.09	95	14220	3.001	ug/L	95
42) cis-1,3-Dichloropropene	10.04	75	4718	0.635	ug/L	97
44) Toluene	10.39	91	9093	0.468	ug/L	99
45) trans-1,3-Dichloropropene	10.59	75	3160	0.489	ug/L	94
59) 1,2,3-Trichloropropane	13.56	75	17091	4.689	ug/L	96

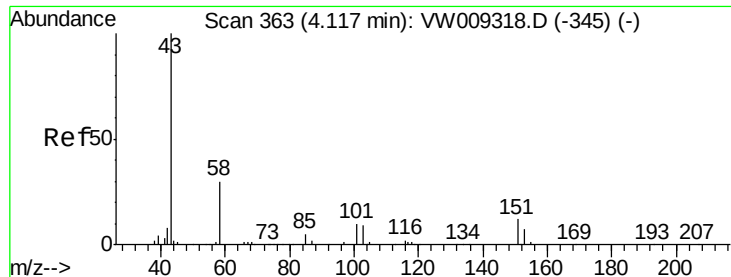
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 00:14:14 2019
Response via : Initial Calibration





#13

Acetone

Concen: 17.725 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009351.D

Acq: 22 Mar 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

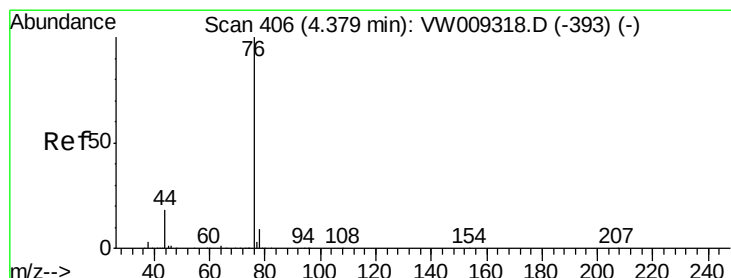
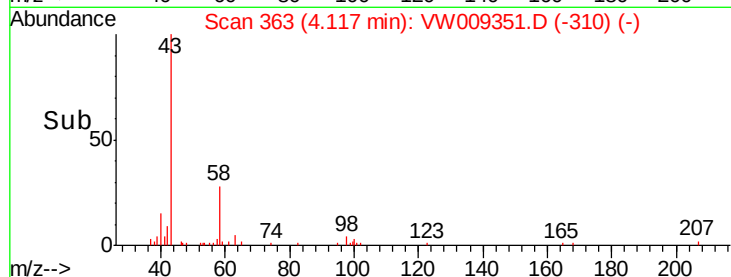
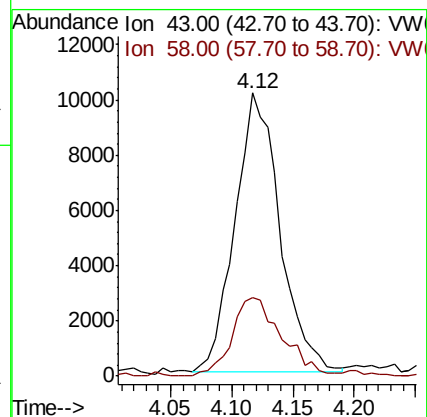
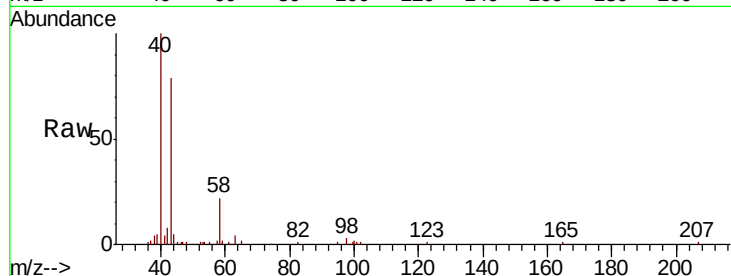
BF0D9

Tgt Ion: 43 Resp: 25657

Ion Ratio Lower Upper

43 100

58 31.0 0.0 56.2



#14

Carbon disulfide

Concen: 0.651 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009351.D

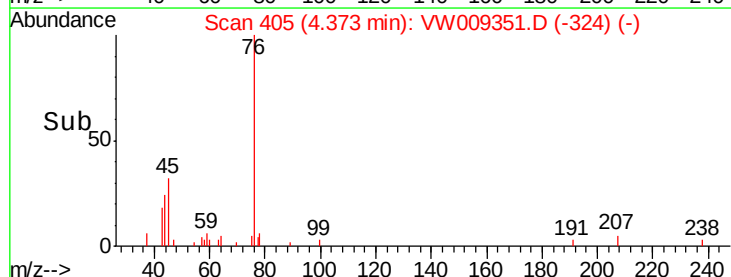
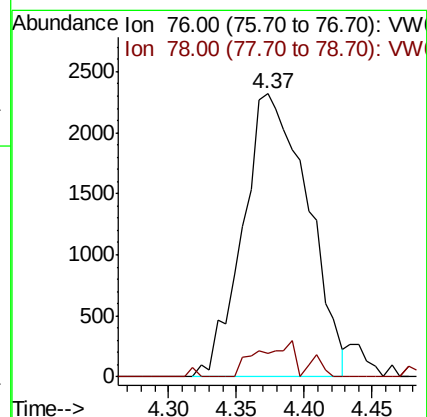
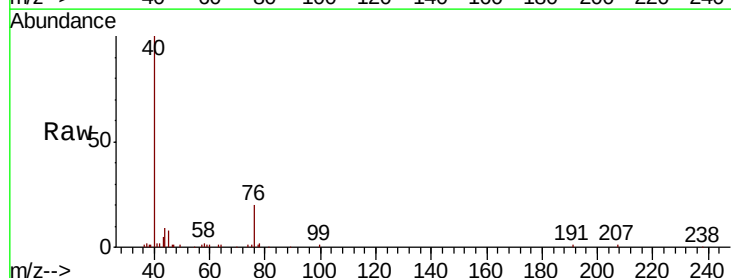
Acq: 22 Mar 2019 16:26

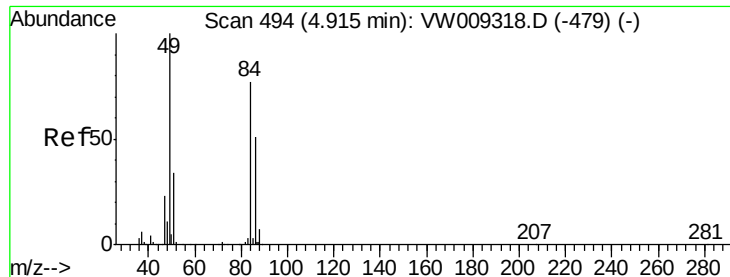
Tgt Ion: 76 Resp: 7703

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9

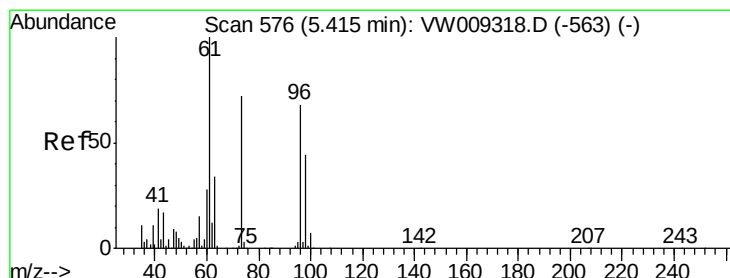
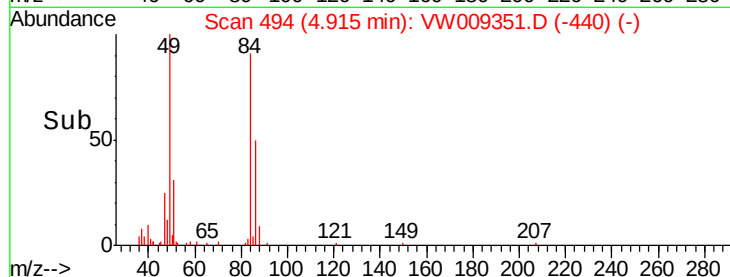
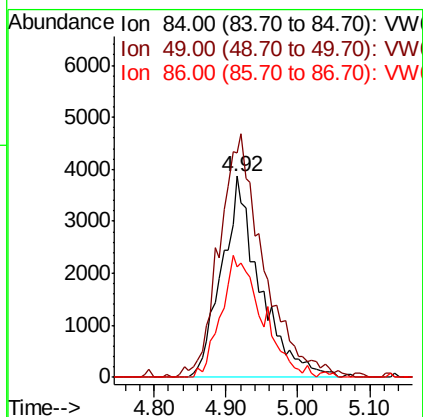
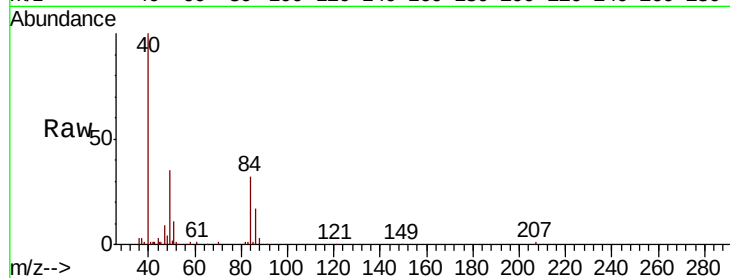




#16
Methylene chloride
Concen: 2.744 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009351.D
Acq: 22 Mar 2019 16:26

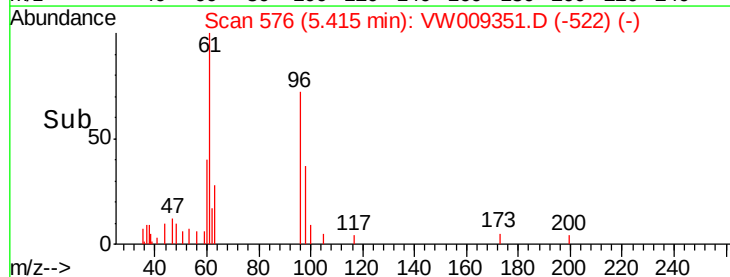
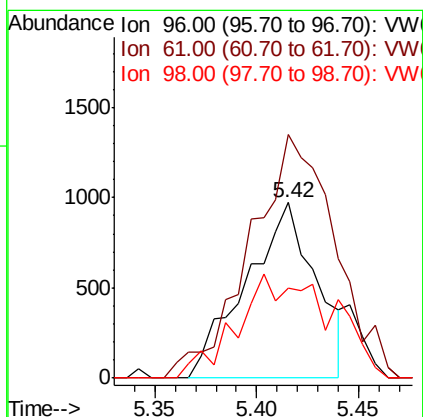
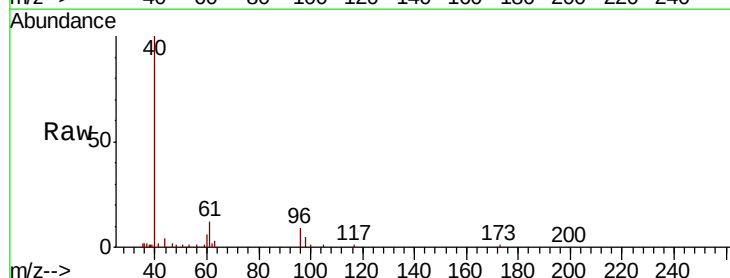
Instrument :
MSVOA_W
ClientSampled :
BF0D9

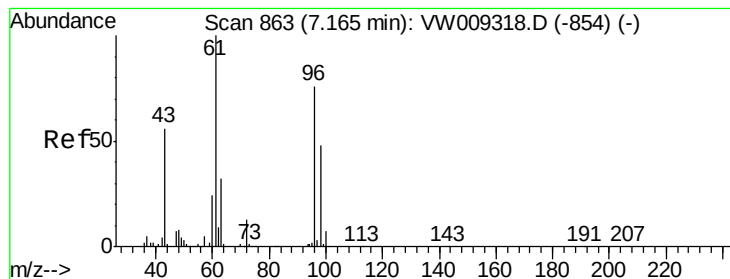
Tgt Ion: 84 Resp: 14293
Ion Ratio Lower Upper
84 100
49 111.7 96.0 178.2
86 54.8 44.4 82.5



#18
trans-1,2-Dichloroethene
Concen: 0.501 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009351.D
Acq: 22 Mar 2019 16:26

Tgt Ion: 96 Resp: 2316
Ion Ratio Lower Upper
96 100
61 138.7 96.7 179.5
98 51.6 43.8 81.4





#21

2-Butanone

Concen: 2.192 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009351.D

Acq: 22 Mar 2019 16:26

Instrument :

MSVOA_W

ClientSampleID :

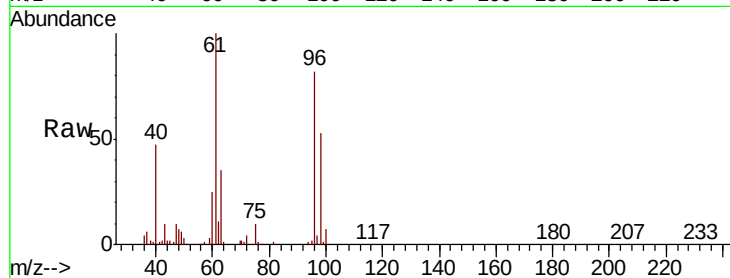
BF0D9

Tgt Ion: 43 Resp: 4380

Ion Ratio Lower Upper

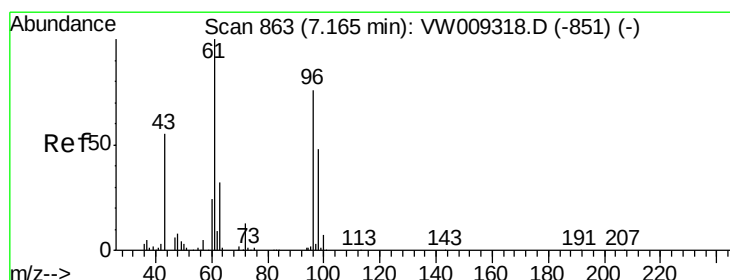
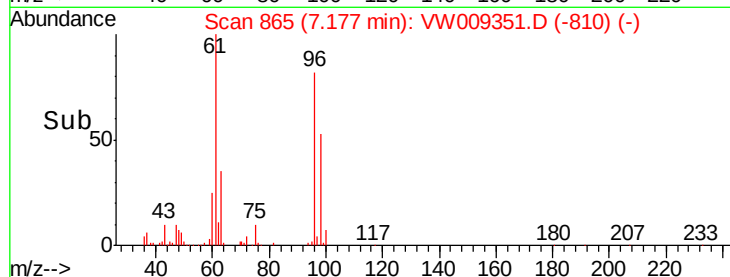
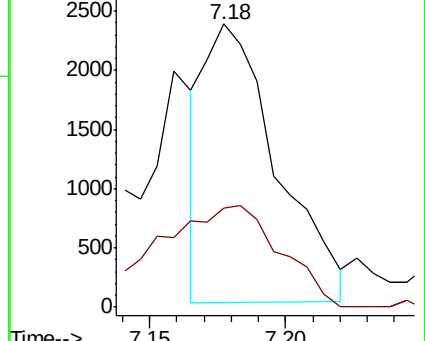
43 100

72 62.5 13.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 13.069 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009351.D

Acq: 22 Mar 2019 16:26

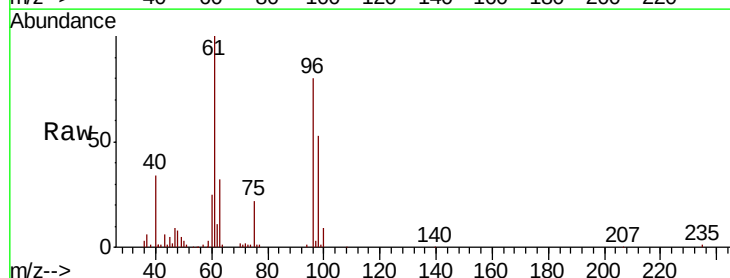
Tgt Ion: 96 Resp: 65467

Ion Ratio Lower Upper

96 100

61 125.0 90.6 168.3

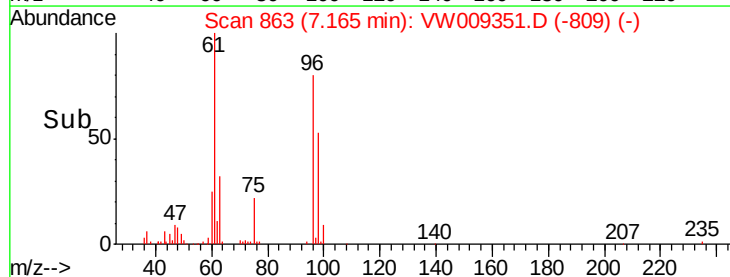
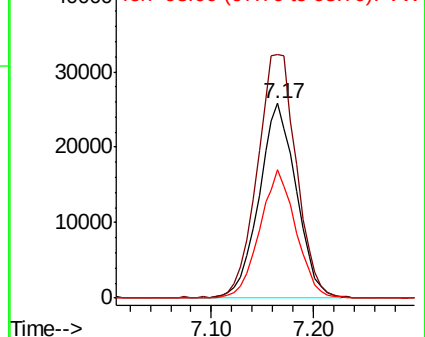
98 65.8 44.0 81.8

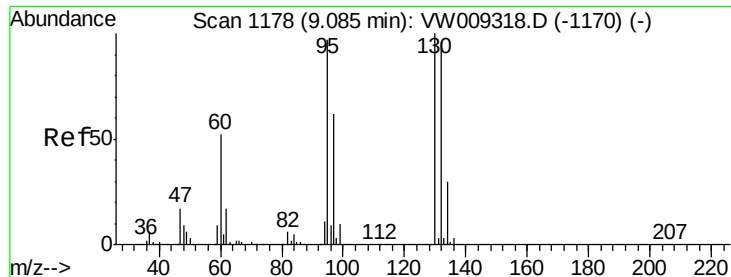


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 3.001 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009351.D

Acq: 22 Mar 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

BF0D9

Tgt Ion: 95 Resp: 14220

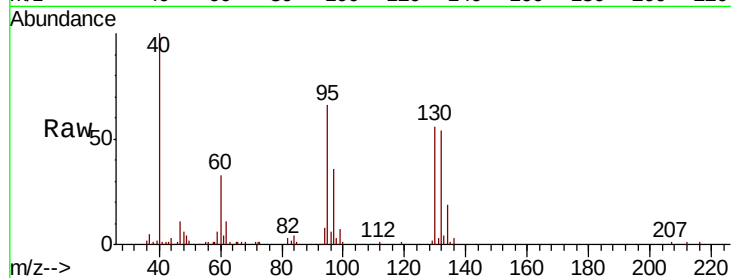
Ion Ratio Lower Upper

95 100

97 61.6 44.7 82.9

132 92.6 69.0 128.2

130 98.9 72.7 134.9

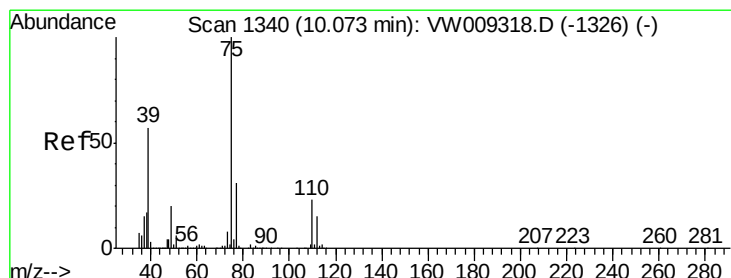
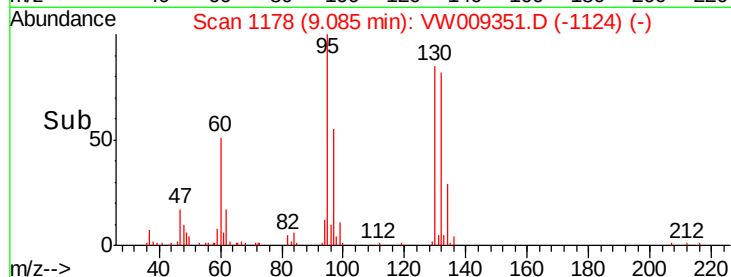
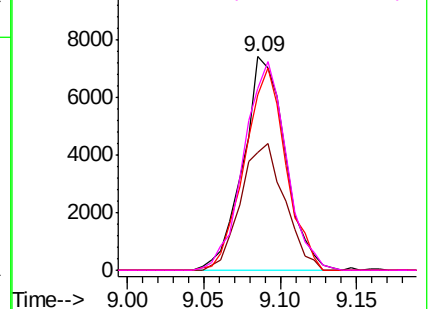


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.635 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009351.D

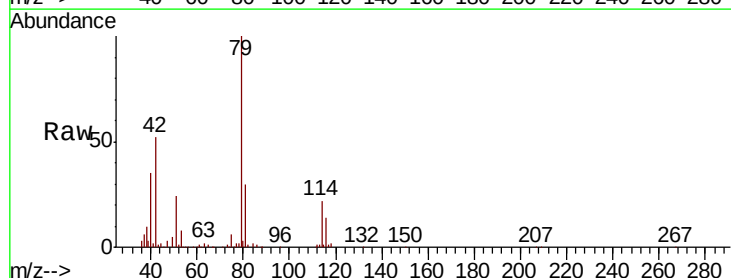
Acq: 22 Mar 2019 16:26

Tgt Ion: 75 Resp: 4718

Ion Ratio Lower Upper

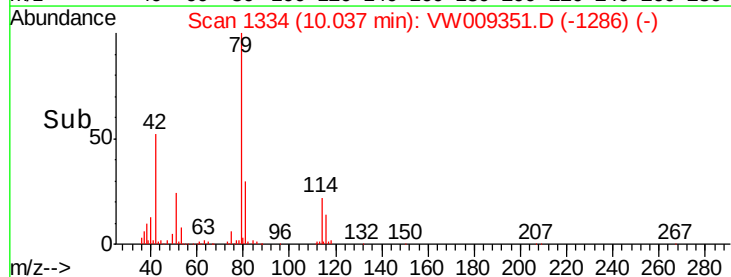
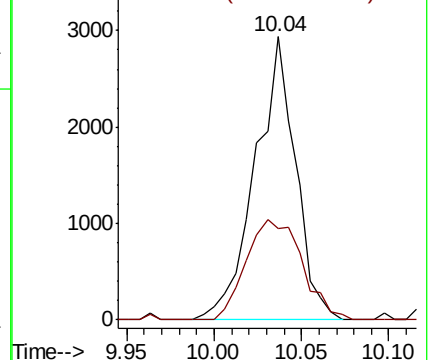
75 100

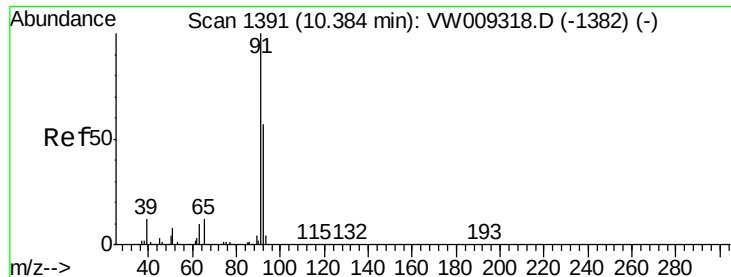
77 32.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.468 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009351.D

Acq: 22 Mar 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

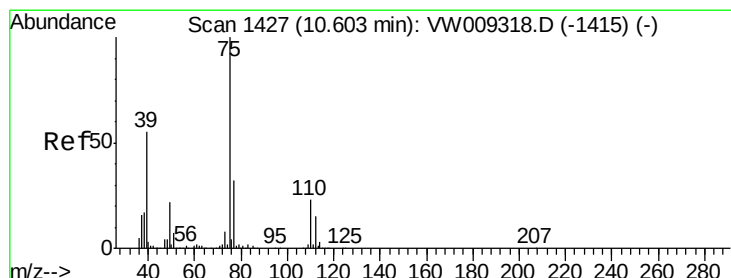
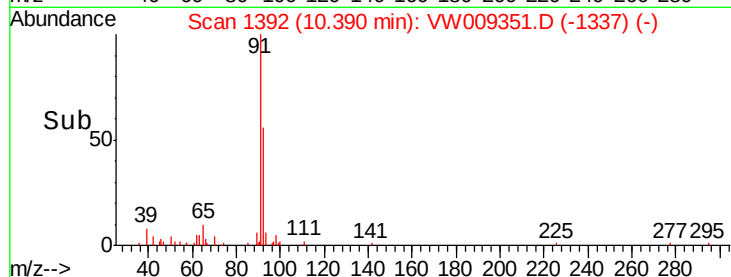
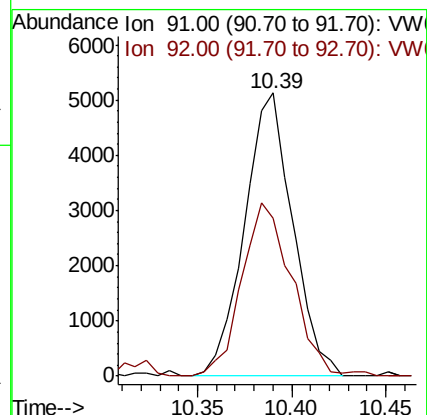
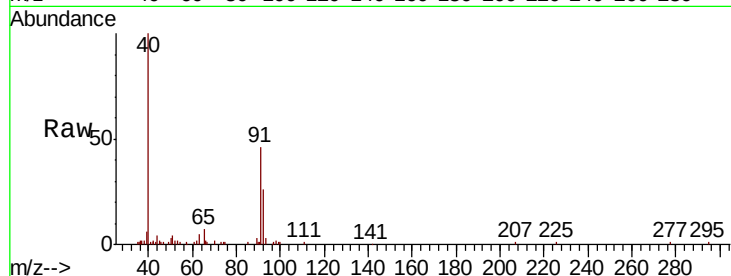
BF0D9

Tgt Ion: 91 Resp: 9093

Ion Ratio Lower Upper

91 100

92 55.9 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 0.489 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW009351.D

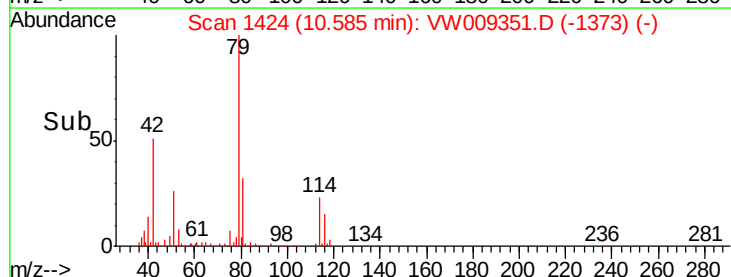
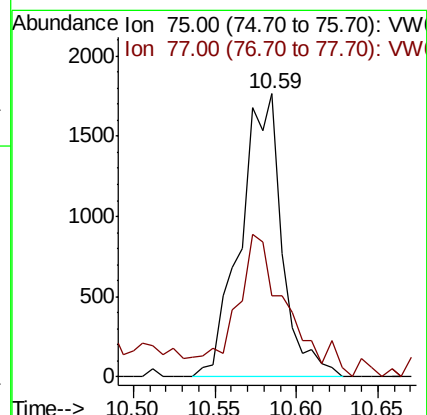
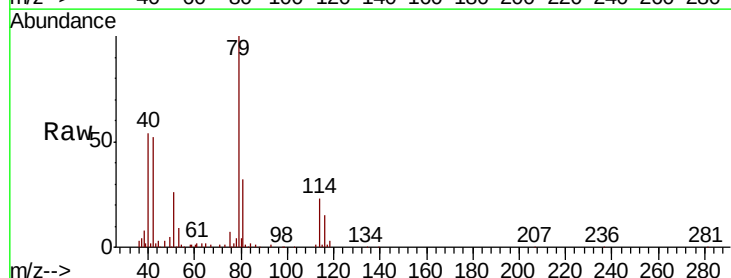
Acq: 22 Mar 2019 16:26

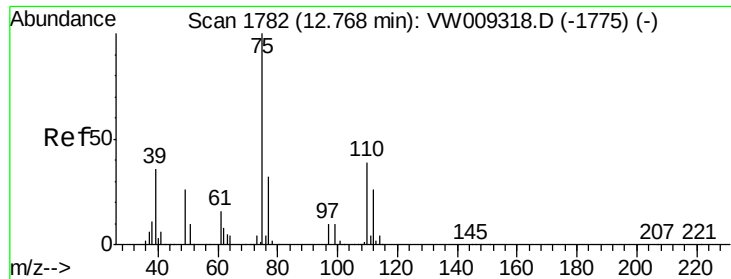
Tgt Ion: 75 Resp: 3160

Ion Ratio Lower Upper

75 100

77 28.7 22.5 41.7





#59

1,2,3-Trichloropropane

Concen: 4.689 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009351.D

Acq: 22 Mar 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

BF0D9

Tgt Ion: 75 Resp: 17091

Ion Ratio Lower Upper

75 100

77 34.8 26.2 39.2

