

Data File : VW011267.D
Acq On : 15 Jul 2019 17:57
Operator : SY/VA
Sample : K3798-04
Misc : 2.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G8

Quant Time: Jul 16 05:06:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	292854	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	238201	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	85411	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	73300	16.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.56%
7) Chloroethane-d5	2.88	69	59395	18.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.72%
10) 1,1-Dichloroethene-d2	4.01	63	134371	14.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.76%
20) 2-Butanone-d5	7.07	46	91032	51.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.36%
24) Chloroform-d	7.65	84	183889	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.31	65	117297	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.92%
29) Benzene-d6	8.27	84	365610	24.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.64%
33) 1,2-Dichloropropane-d6	9.27	67	126592	26.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.96%
37) Toluene-d8	10.32	98	299804	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.72%
38) trans-1,3-Dichloropropene-	10.58	79	46292	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.12%
39) 2-Hexanone-d5	10.93	63	60265	54.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100648	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	73947	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

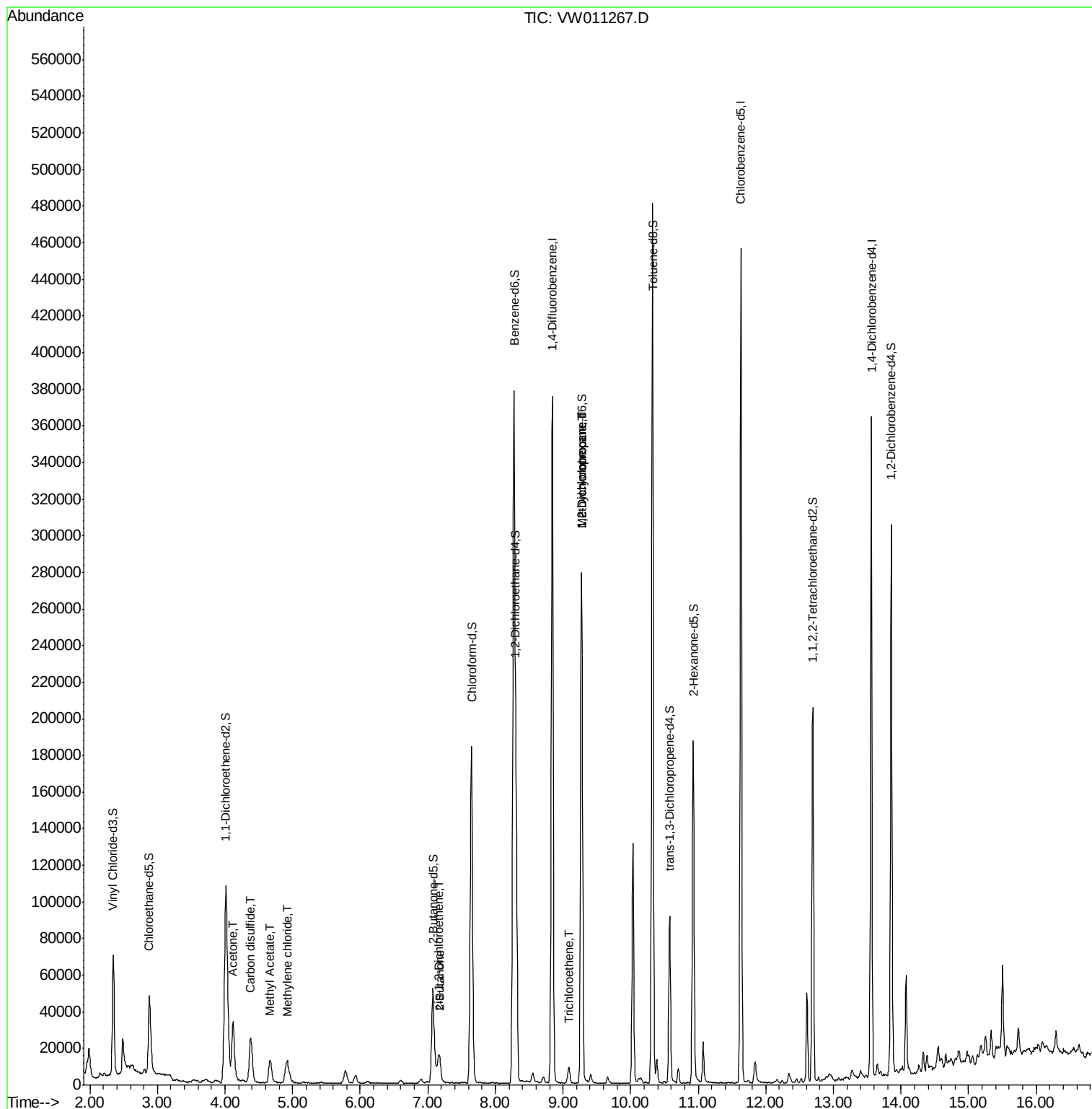
					Qvalue
13) Acetone	4.12	43	57383	33.352 ug/L	97
14) Carbon disulfide	4.38	76	48052	4.365 ug/L	98
15) Methyl Acetate	4.67	43	26063	9.309 ug/L #	78
16) Methylene chloride	4.91	84	10266	2.386 ug/L	98
21) 2-Butanone	7.18	43	14115	6.355 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	3473	0.825 ug/L	95
35) Trichloroethene	9.09	95	2356	0.627 ug/L	97
36) Methylcyclohexane	9.27	83	29049	4.297 ug/L #	15
40) 1,2-Dichloropropane	9.27	63	14613	3.582 ug/L #	90

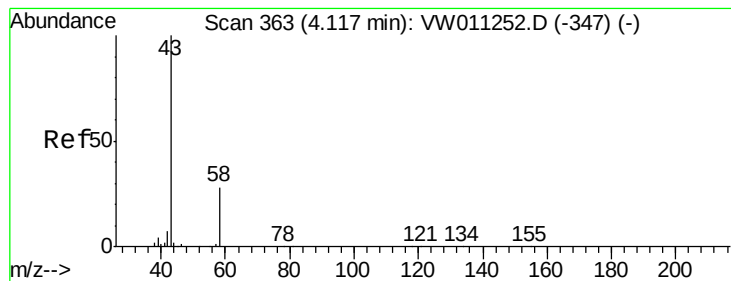
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 33.352 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011267.D

Acq: 15 Jul 2019 17:57

Instrument :

MSVOA_W

ClientSampleId :

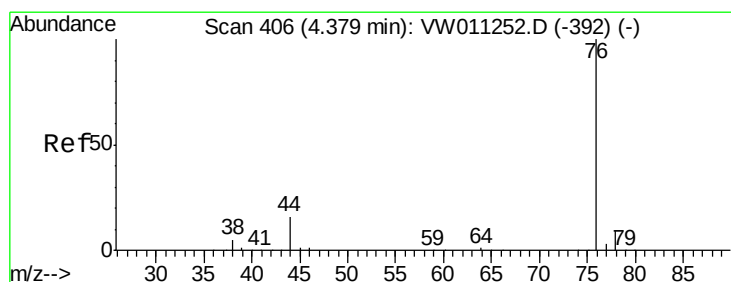
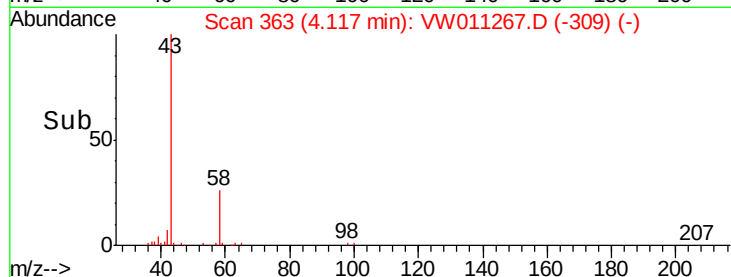
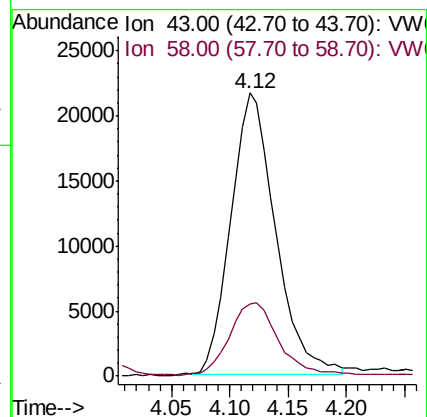
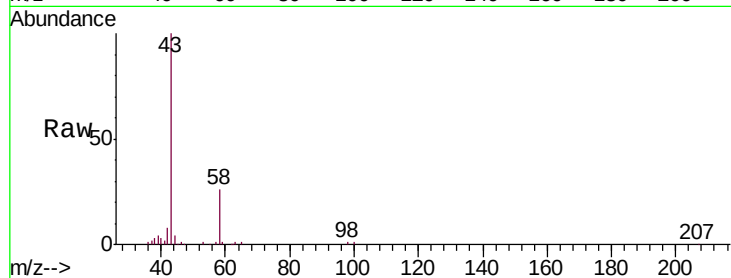
A52G8

Tgt Ion: 43 Resp: 57383

Ion Ratio Lower Upper

43 100

58 29.0 0.0 55.0



#14

Carbon disulfide

Concen: 4.365 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011267.D

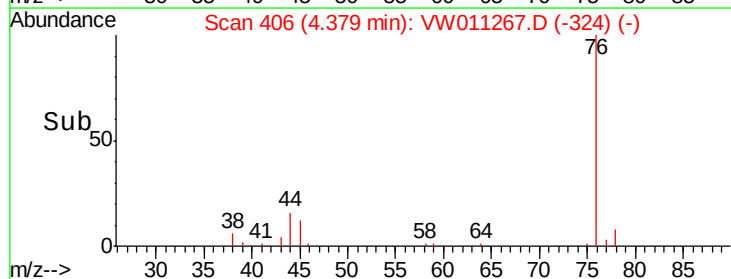
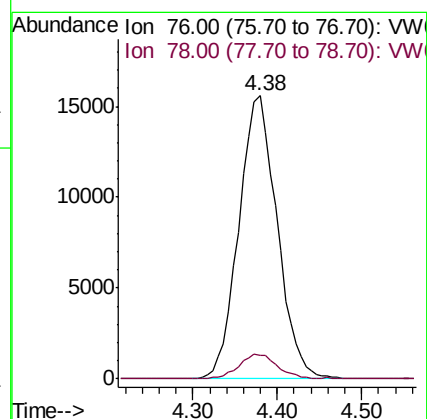
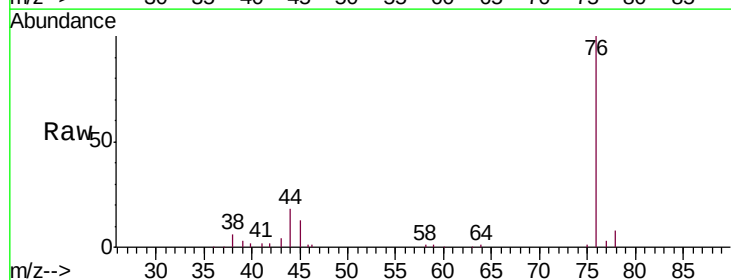
Acq: 15 Jul 2019 17:57

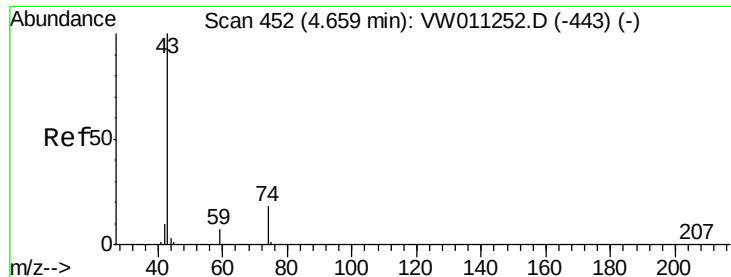
Tgt Ion: 76 Resp: 48052

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9

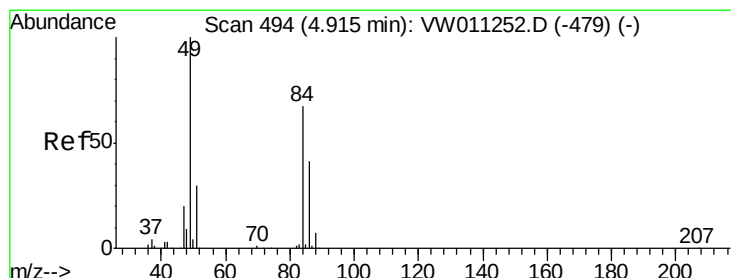
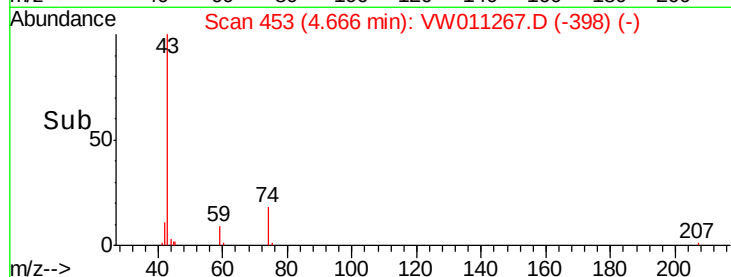
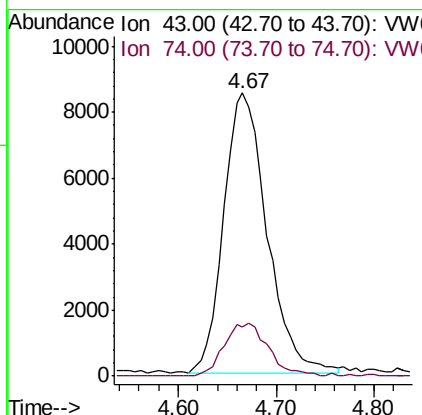
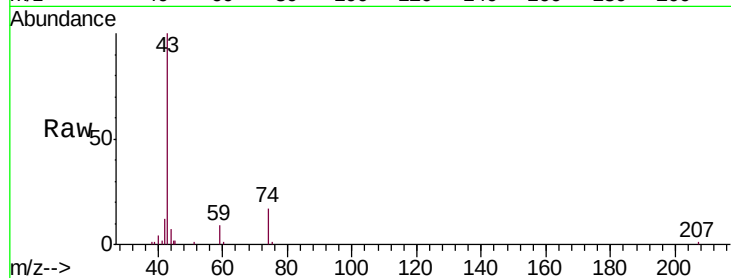




#15
Methyl Acetate
Concen: 9.309 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW011267.D
Acq: 15 Jul 2019 17:57

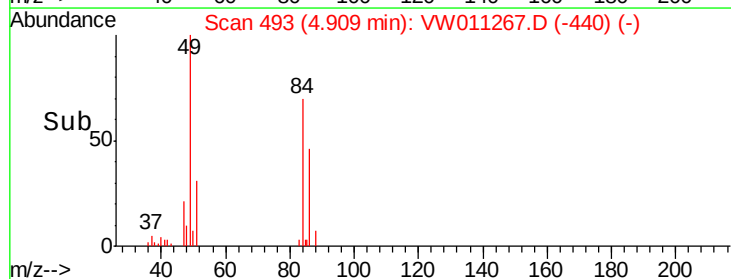
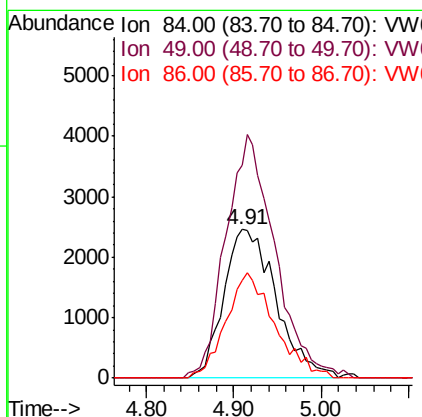
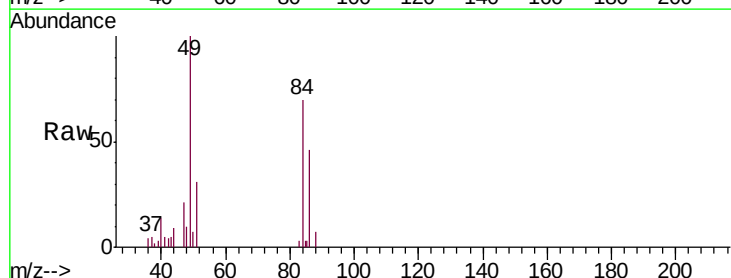
Instrument :
MSVOA_W
ClientSampleId :
A52G8

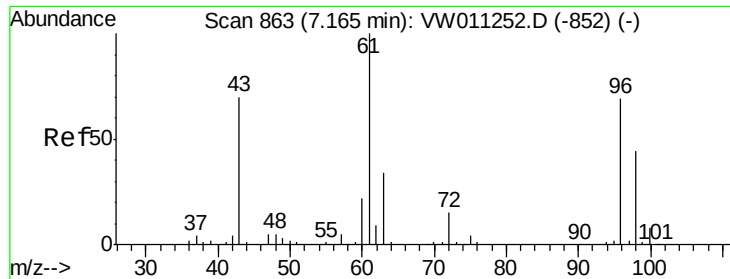
Tgt Ion: 43 Resp: 26063
Ion Ratio Lower Upper
43 100
74 9.2 15.1 22.7#



#16
Methylene chloride
Concen: 2.386 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011267.D
Acq: 15 Jul 2019 17:57

Tgt Ion: 84 Resp: 10266
Ion Ratio Lower Upper
84 100
49 143.5 102.5 190.3
86 65.6 46.4 86.2

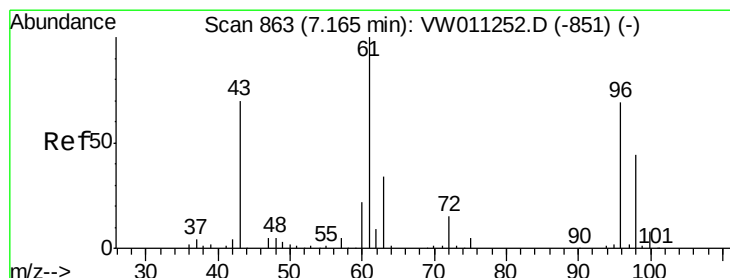
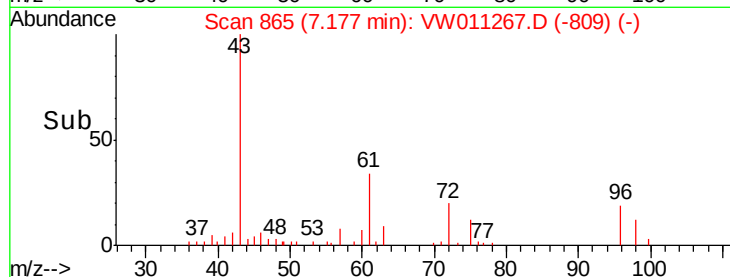
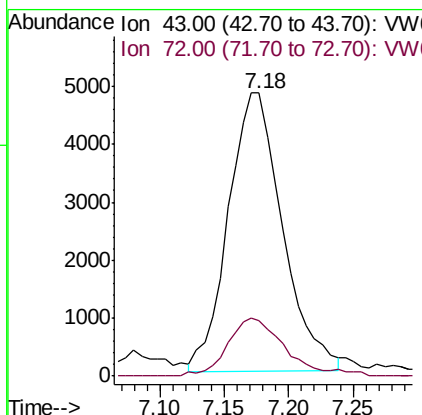
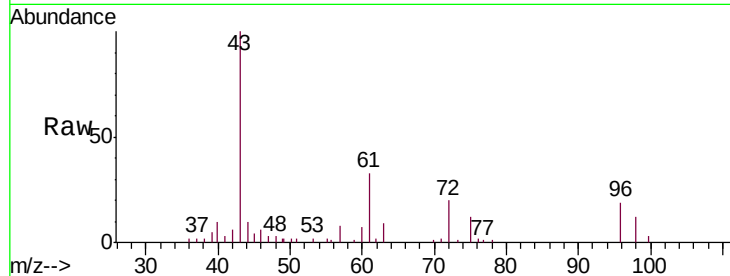




#21
 2-Butanone
 Concen: 6.355 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW011267.D
 Acq: 15 Jul 2019 17:57

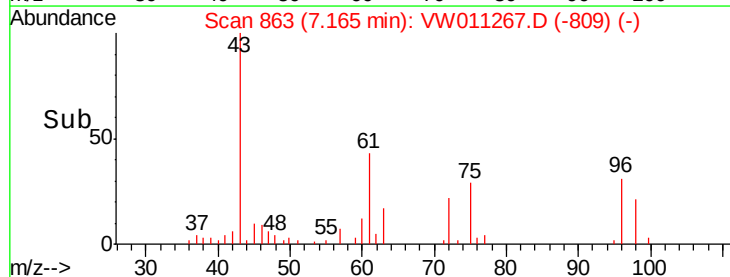
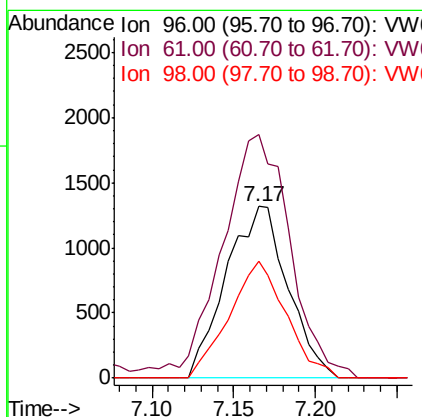
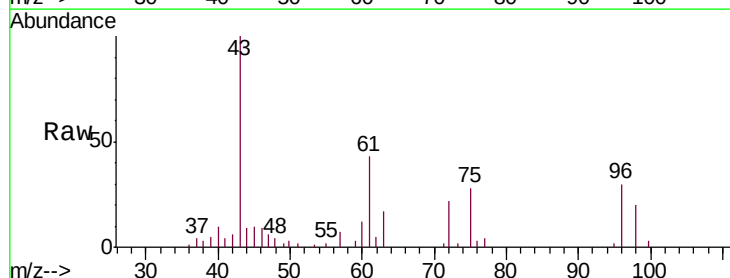
Instrument :
 MSVOA_W
 ClientSampled :
 A52G8

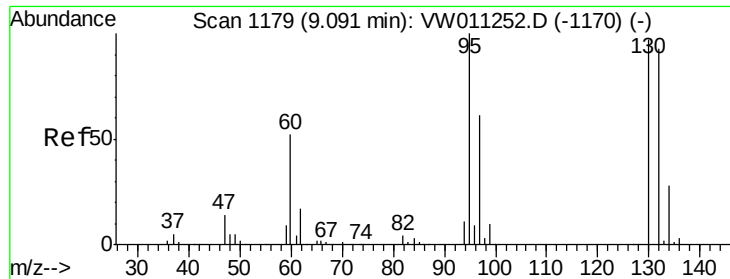
Tgt Ion: 43 Resp: 14115
 Ion Ratio Lower Upper
 43 100
 72 21.0 11.2 33.6



#22
 cis-1,2-Dichloroethene
 Concen: 0.825 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011267.D
 Acq: 15 Jul 2019 17:57

Tgt Ion: 96 Resp: 3473
 Ion Ratio Lower Upper
 96 100
 61 141.8 103.2 191.6
 98 67.8 44.8 83.2





#35

Trichloroethene

Concen: 0.627 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011267.D

Acq: 15 Jul 2019 17:57

Instrument :

MSVOA_W

ClientSampled :

A52G8

Tgt Ion: 95 Resp: 2356

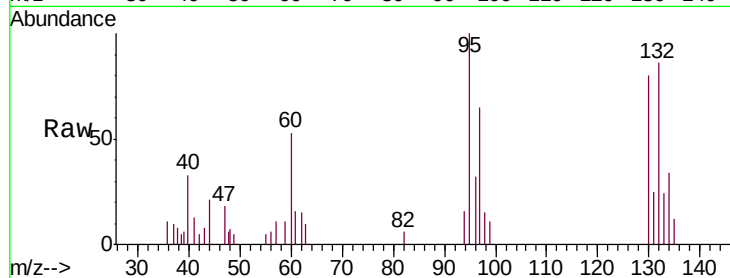
Ion Ratio Lower Upper

95 100

97 70.9 45.4 84.2

132 94.7 65.0 120.8

130 96.3 67.8 126.0



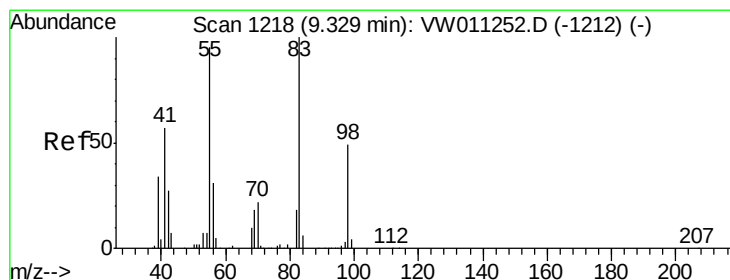
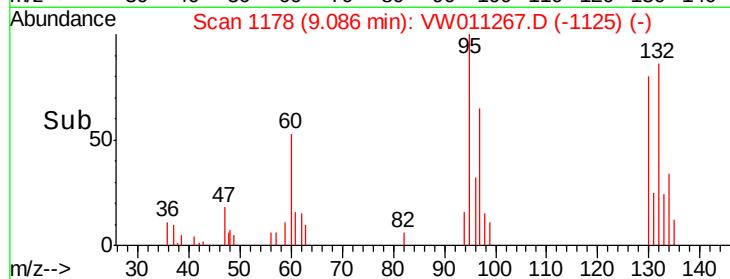
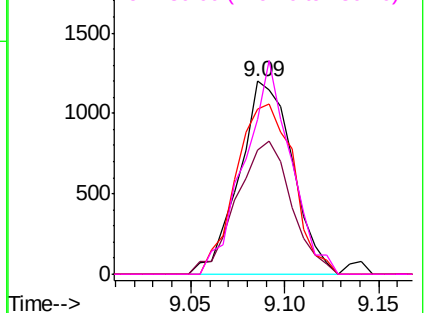
Abundance

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



#36

Methylcyclohexane

Concen: 4.297 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.05 min

Lab File: VW011267.D

Acq: 15 Jul 2019 17:57

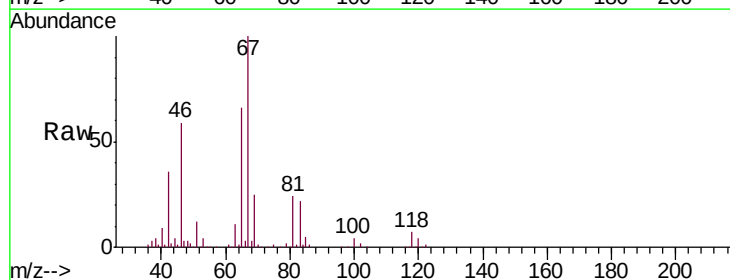
Tgt Ion: 83 Resp: 29049

Ion Ratio Lower Upper

83 100

55 1.6 72.2 108.4#

98 1.3 38.2 57.4#

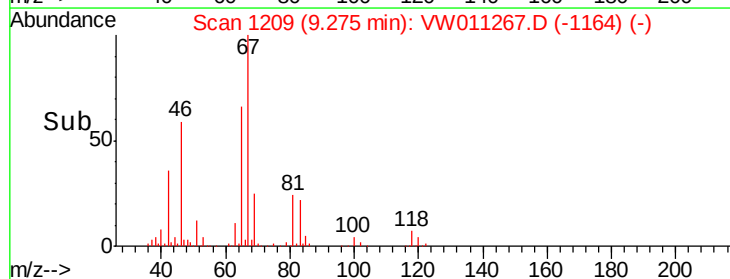
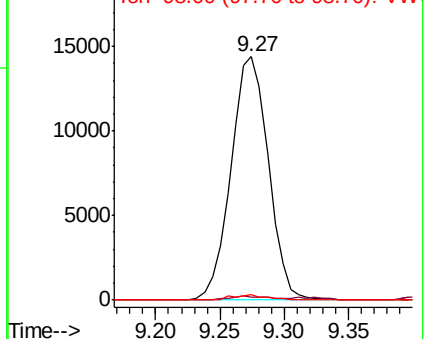


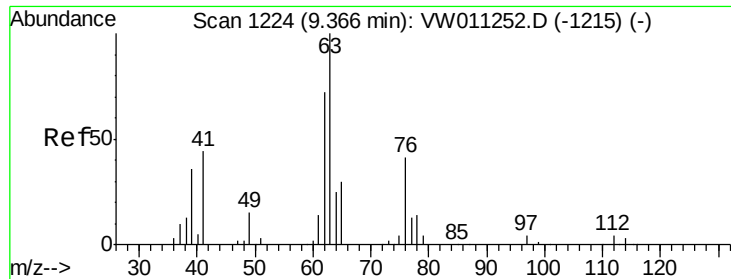
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.582 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW011267.D

Acq: 15 Jul 2019 17:57

Instrument :

MSVOA_W

ClientSampleId :

A52G8

Tgt Ion: 63 Resp: 14613

Ion Ratio Lower Upper

63 100

112 0.4 3.0 4.6#

