

Data File : VW011238.D
Acq On : 12 Jul 2019 14:25
Operator : SY/VA
Sample : K3760-15MS
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DB8Z4

Quant Time: Jul 13 05:35:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 05:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	275793	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	188191	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	52655	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	82334	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.20%
7) Chloroethane-d5	2.88	69	66123	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.01	63	197312	22.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.48%
20) 2-Butanone-d5	7.07	46	60667	36.57	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.14%
24) Chloroform-d	7.65	84	187799	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.30	65	115126	24.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.92%
29) Benzene-d6	8.27	84	372570	32.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	128.52%
33) 1,2-Dichloropropane-d6	9.27	67	128289	33.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	135.92%#
37) Toluene-d8	10.32	98	283015	27.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.56%
38) trans-1,3-Dichloropropene-	10.58	79	29966	18.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.68%
39) 2-Hexanone-d5	10.92	63	28131	32.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	70463	22.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	46101	22.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.24%

Target Compounds

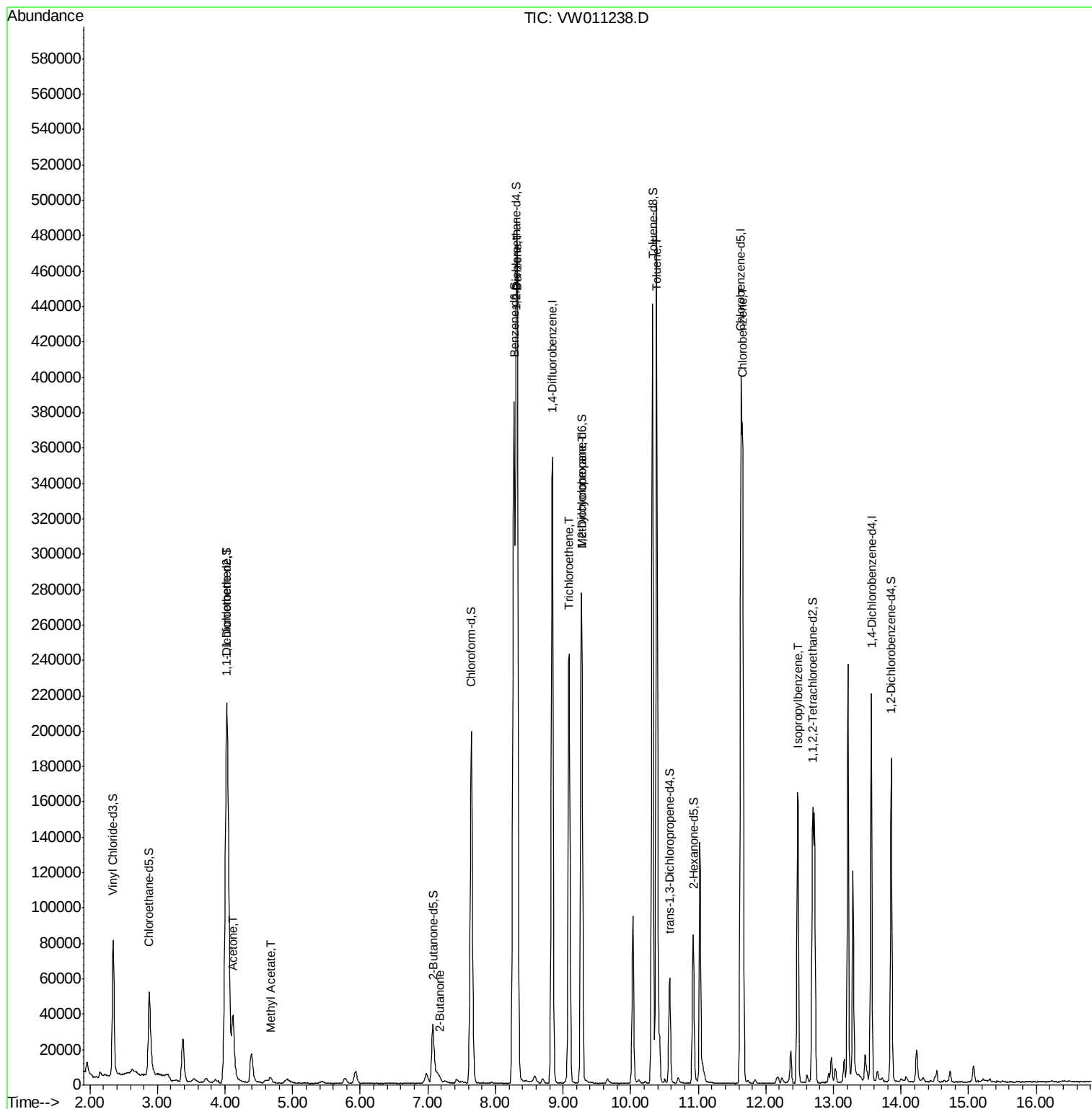
						Qvalue
12) 1,1-Dichloroethene	4.03	96	84902	23.426	ug/L	91
13) Acetone	4.12	43	60253	37.186	ug/L	100
15) Methyl Acetate	4.67	43	6213	2.356	ug/L #	74
21) 2-Butanone	7.18	43	4987	2.384	ug/L	91
34) Benzene	8.32	78	387072	32.910	ug/L	100
35) Trichloroethene	9.09	95	85574	28.832	ug/L	99
36) Methylcyclohexane	9.27	83	28917	5.414	ug/L #	15
44) Toluene	10.38	91	345783	28.403	ug/L	100
52) Chlorobenzene	11.66	112	168966	22.718	ug/L	99
57) Isopropylbenzene	12.47	105	6550	0.503	ug/L #	1

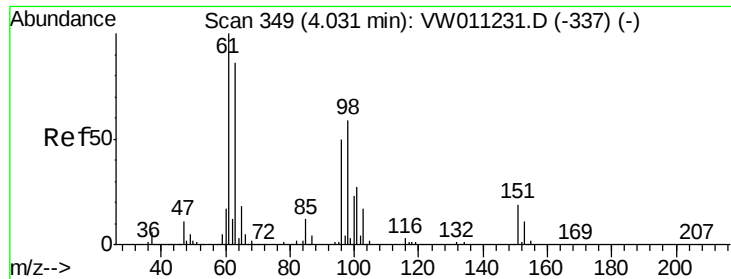
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 23.426 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW011238.D

Acq: 12 Jul 2019 14:25

Instrument :

MSVOA_W

ClientSampleId :

DB8Z4

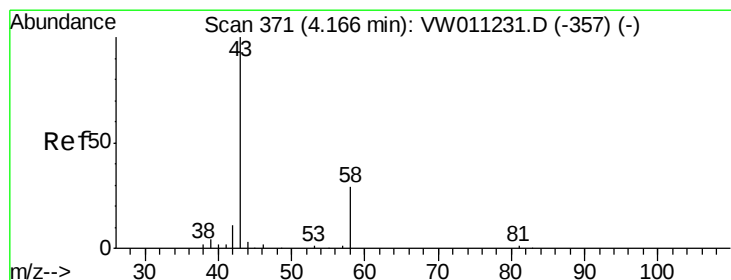
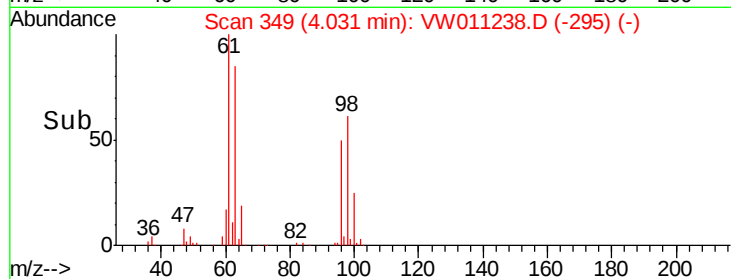
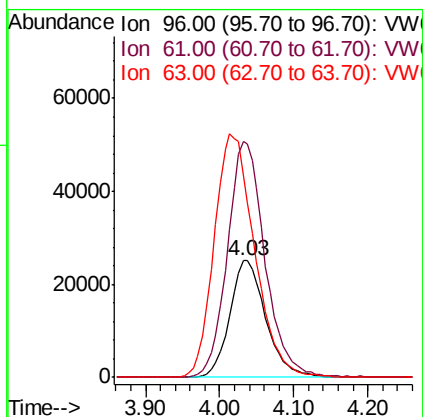
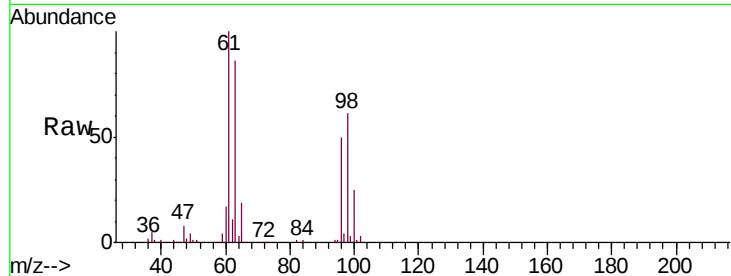
Tgt Ion: 96 Resp: 84902

Ion Ratio Lower Upper

96 100

61 201.8 142.2 264.0

63 172.7 138.9 257.9



#13

Acetone

Concen: 37.186 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.05 min

Lab File: VW011238.D

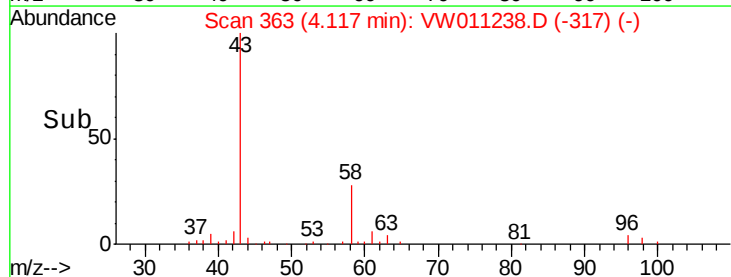
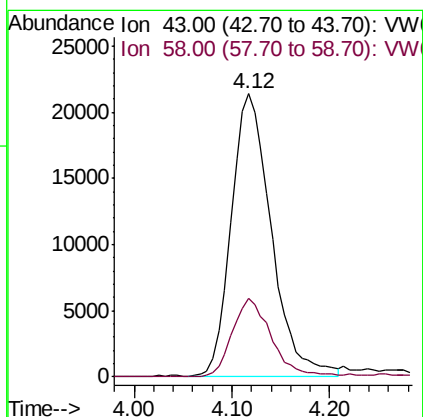
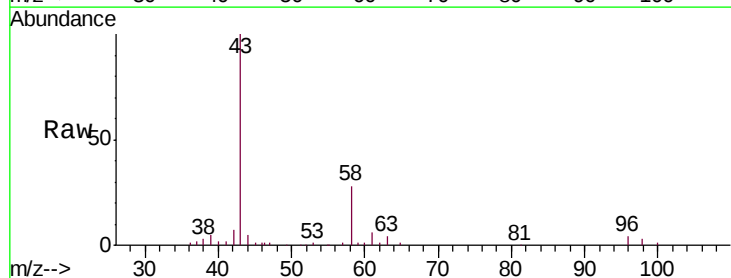
Acq: 12 Jul 2019 14:25

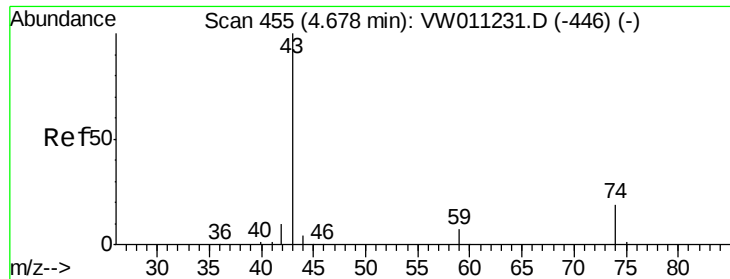
Tgt Ion: 43 Resp: 60253

Ion Ratio Lower Upper

43 100

58 27.3 0.0 55.0

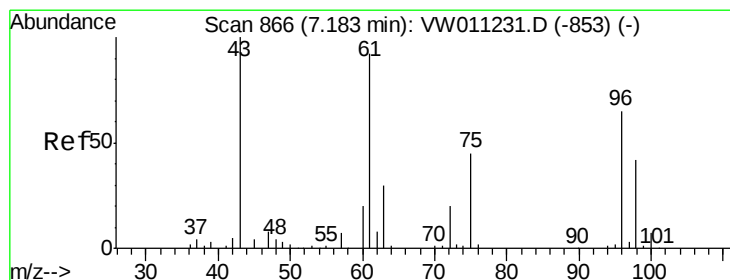
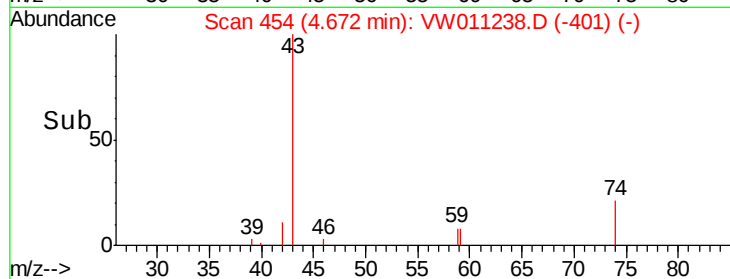
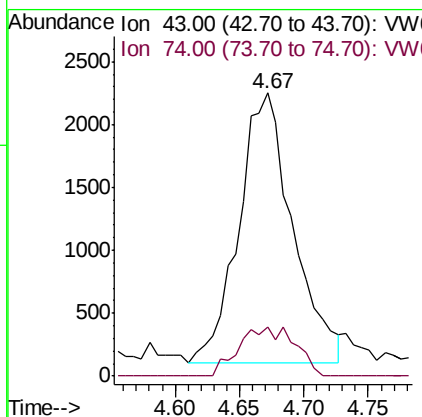
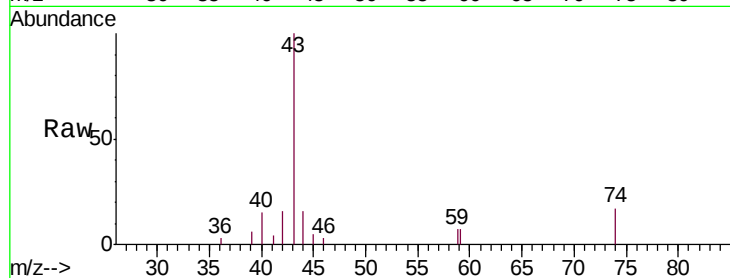




#15
Methyl Acetate
Concen: 2.356 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW011238.D
Acq: 12 Jul 2019 14:25

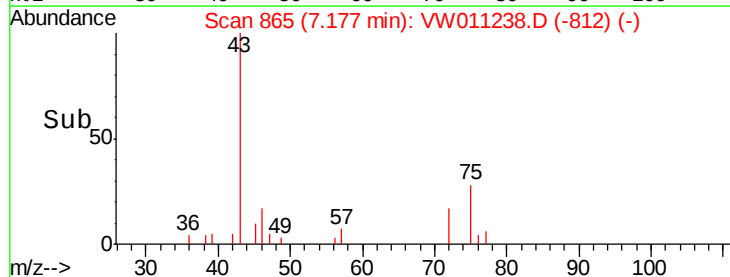
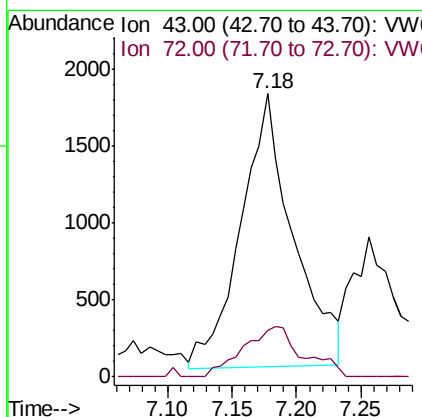
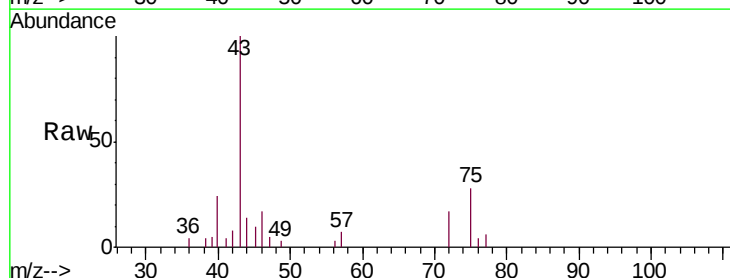
Instrument :
MSVOA_W
ClientSampled :
DB8Z4

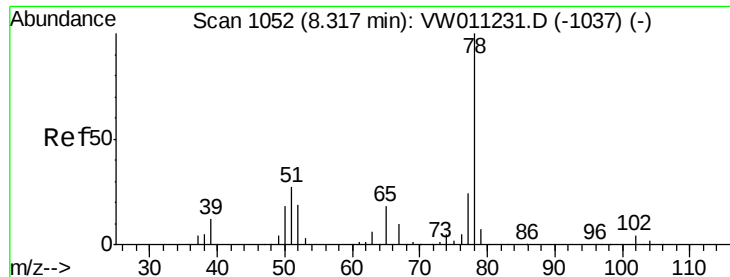
Tgt Ion: 43 Resp: 6213
Ion Ratio Lower Upper
43 100
74 7.4 15.1 22.7#



#21
2-Butanone
Concen: 2.384 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW011238.D
Acq: 12 Jul 2019 14:25

Tgt Ion: 43 Resp: 4987
Ion Ratio Lower Upper
43 100
72 18.1 11.2 33.6





#34

Benzene

Concen: 32.910 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW011238.D

Acq: 12 Jul 2019 14:25

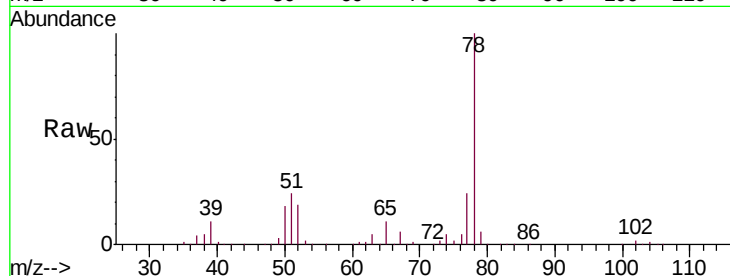
Instrument :

MSVOA_W

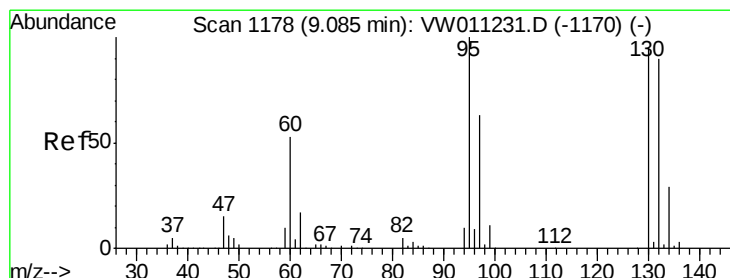
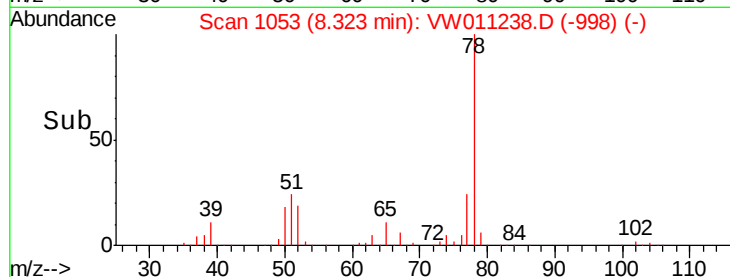
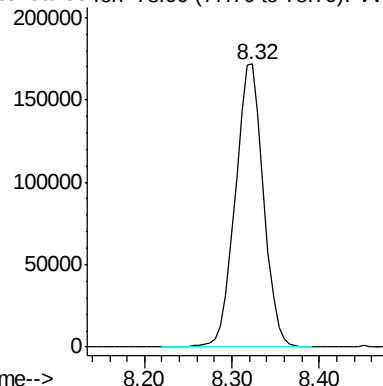
ClientSampled :

DB8Z4

Tgt Ion: 78 Resp: 387072



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 28.832 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011238.D

Acq: 12 Jul 2019 14:25

Tgt Ion: 95 Resp: 85574

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.4	84.2
132	91.7	65.0	120.8
130	95.7	67.8	126.0

95 100

97 64.0 45.4 84.2

132 91.7 65.0 120.8

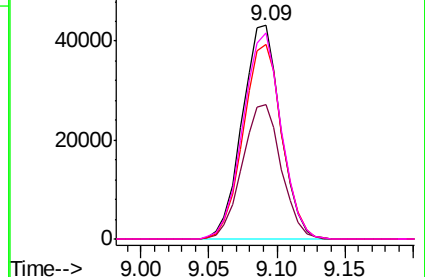
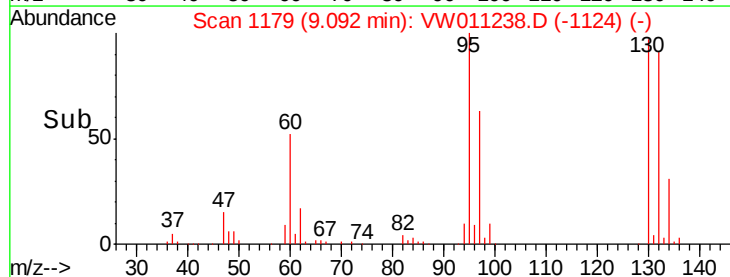
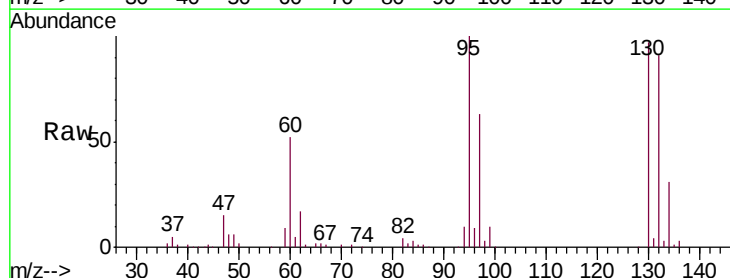
130 95.7 67.8 126.0

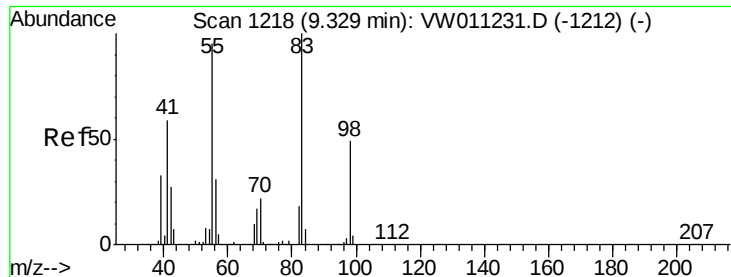
Abundance Ion 95.00 (94.70 to 95.70): VW

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

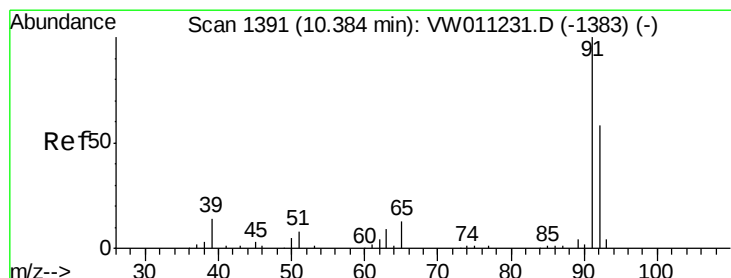
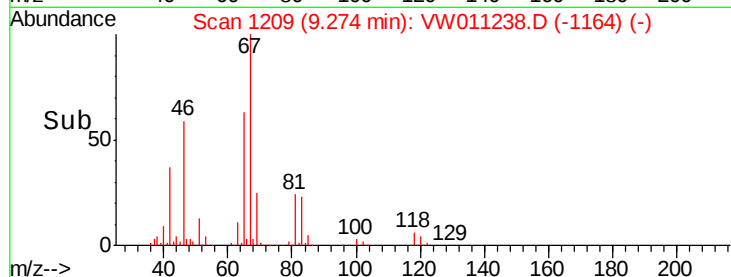
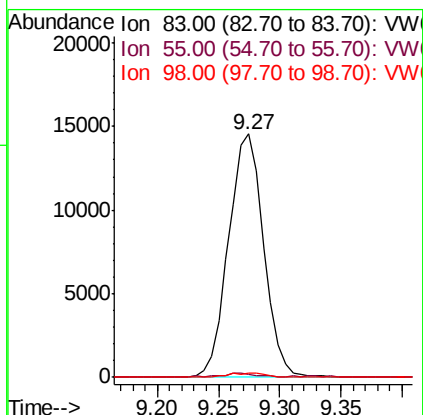
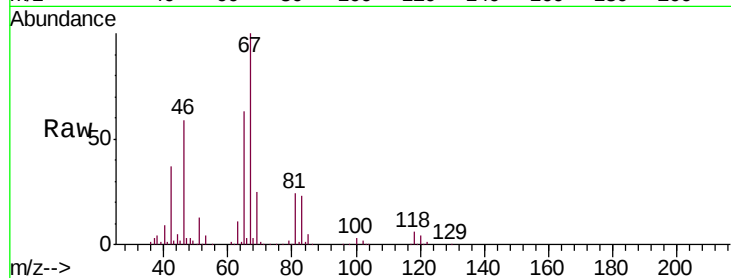




#36
Methylcyclohexane
Concen: 5.414 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.05 min
Lab File: VW011238.D
Acq: 12 Jul 2019 14:25

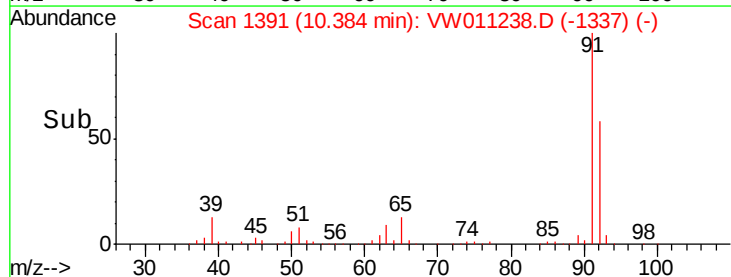
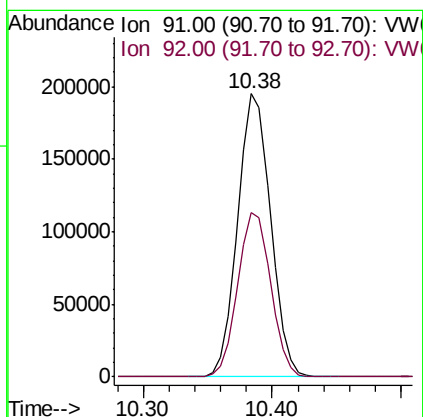
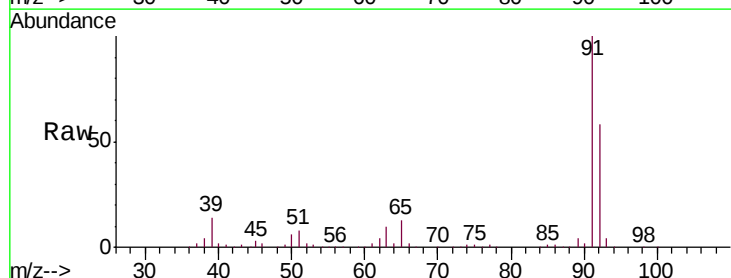
Instrument :
MSVOA_W
ClientSampleId :
DB8Z4

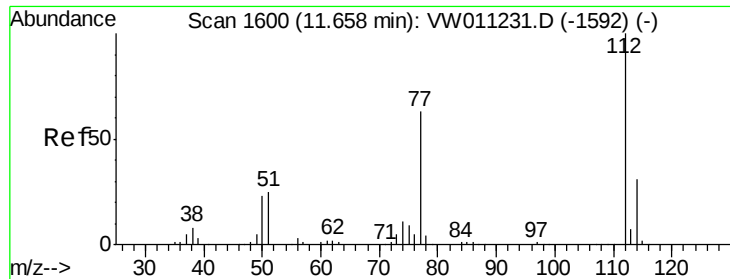
Tgt Ion: 83 Resp: 28917
Ion Ratio Lower Upper
83 100
55 1.6 72.2 108.4#
98 1.9 38.2 57.4#



#44
Toluene
Concen: 28.403 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW011238.D
Acq: 12 Jul 2019 14:25

Tgt Ion: 91 Resp: 345783
Ion Ratio Lower Upper
91 100
92 58.0 40.8 75.8





#52

Chlorobenzene

Concen: 22.718 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011238.D

Acq: 12 Jul 2019 14:25

Instrument :

MSVOA_W

ClientSampleId :

DB8Z4

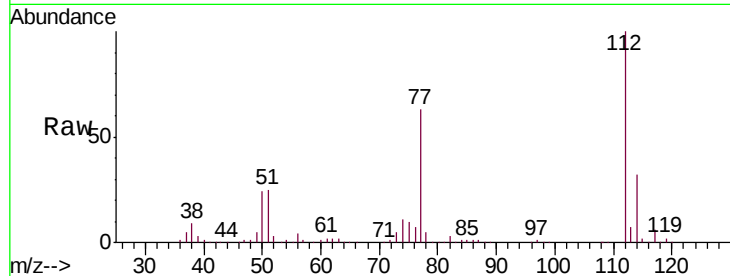
Tgt Ion:112 Resp: 168966

Ion Ratio Lower Upper

112 100

77 63.3 51.2 76.8

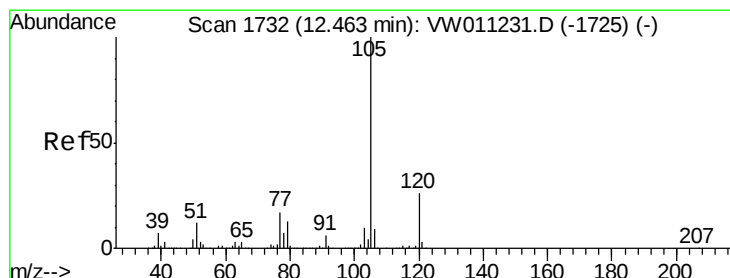
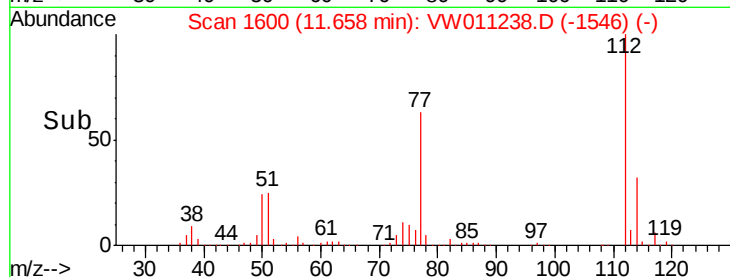
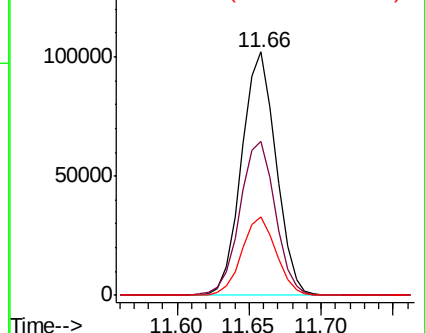
114 32.1 22.0 40.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#57

Isopropylbenzene

Concen: 0.503 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW011238.D

Acq: 12 Jul 2019 14:25

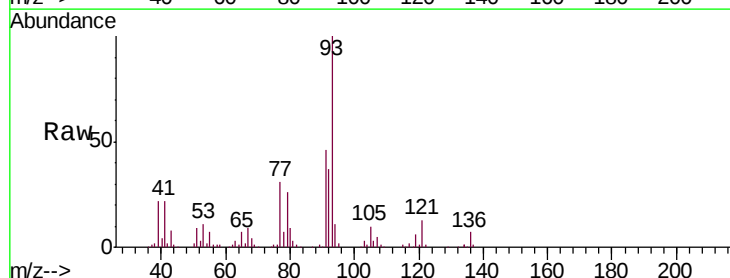
Tgt Ion:105 Resp: 6550

Ion Ratio Lower Upper

105 100

120 8.7 20.7 31.1#

77 297.6 13.5 20.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

