

Data File : VW011118.D
Acq On : 02 Jul 2019 20:46
Operator : SY/VA
Sample : K3599-20MSD
Misc : 4.99G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAM27MSD

Quant Time: Jul 03 05:54:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 05:51:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	283705	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	253344	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	114188	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	81489	18.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.24%
7) Chloroethane-d5	2.88	69	60467	19.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.56%
10) 1,1-Dichloroethene-d2	4.02	63	199446	21.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.96%
20) 2-Butanone-d5	7.07	46	78734	46.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.28%
24) Chloroform-d	7.65	84	170574	21.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.76%
26) 1,2-Dichloroethane-d4	8.30	65	109147	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.16%
29) Benzene-d6	8.27	84	359344	23.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.08%
33) 1,2-Dichloropropane-d6	9.27	67	120108	23.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.52%
37) Toluene-d8	10.32	98	318349	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.56%
38) trans-1,3-Dichloropropene-	10.58	79	43133	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.84%
39) 2-Hexanone-d5	10.93	63	48069	41.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89785	21.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	105809	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%

Target Compounds

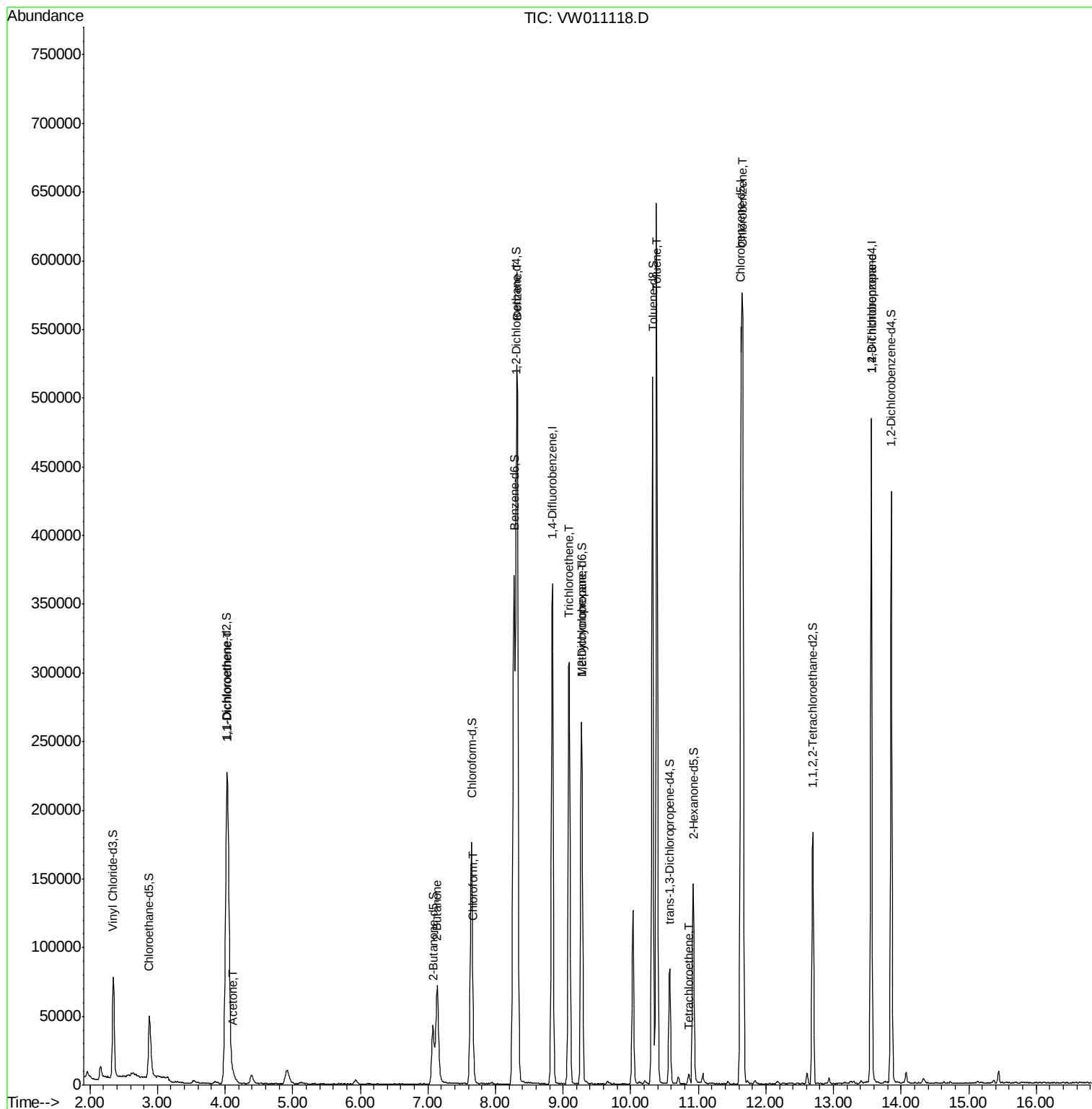
					Qvalue
12) 1,1-Dichloroethene	4.04	96	90583	24.296 ug/L #	73
13) Acetone	4.12	43	7995	4.797 ug/L	96
21) 2-Butanone	7.13	43	5859	2.723 ug/L #	61
25) Chloroform	7.67	83	6220	0.859 ug/L	77
34) Benzene	8.32	78	425544	26.876 ug/L	100
35) Trichloroethene	9.09	95	106572	26.672 ug/L	99
36) Methylcyclohexane	9.27	83	26301	3.658 ug/L #	14
44) Toluene	10.38	91	442444	26.997 ug/L	100
47) Tetrachloroethene	10.87	164	1473	0.488 ug/L	94
52) Chlorobenzene	11.66	112	262440	26.211 ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	16203	5.279 ug/L	90

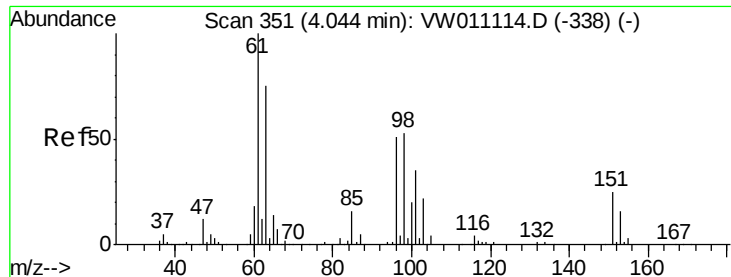
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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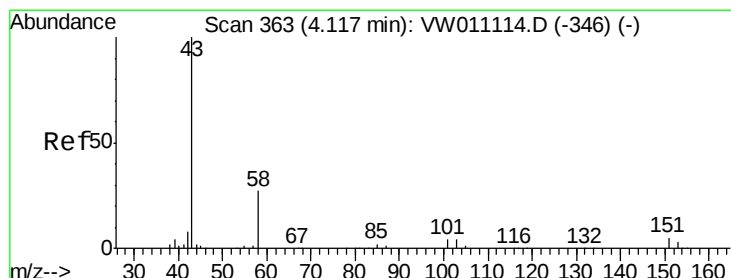
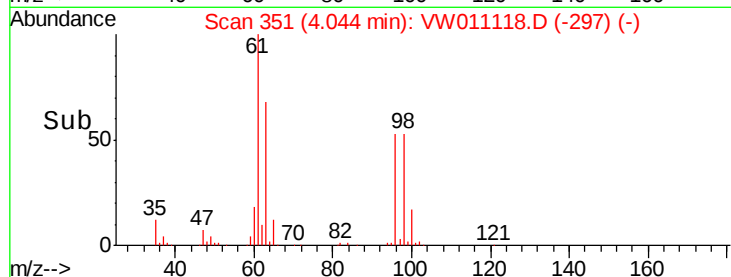
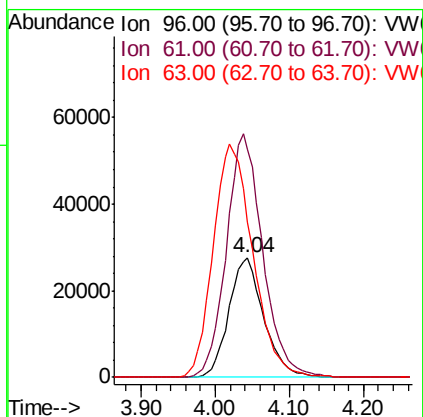
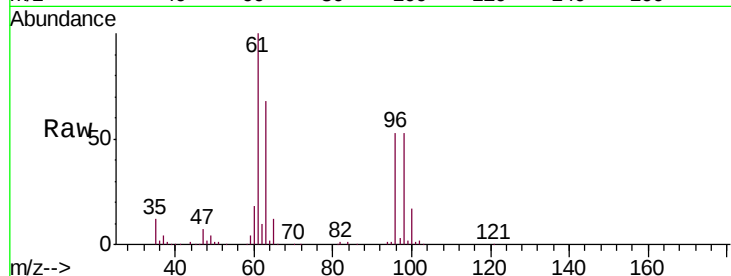




#12
 1,1-Dichloroethene
 Concen: 24.296 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW011118.D
 Acq: 02 Jul 2019 20:46

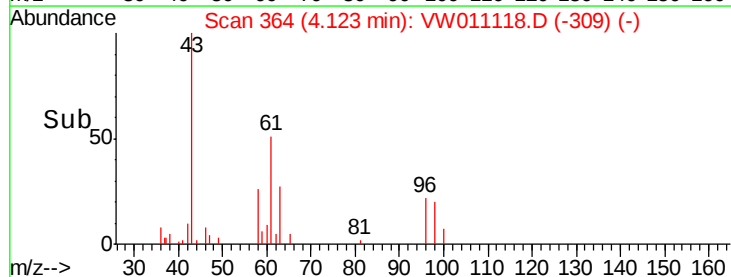
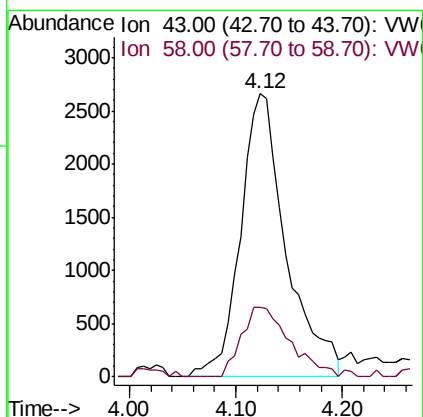
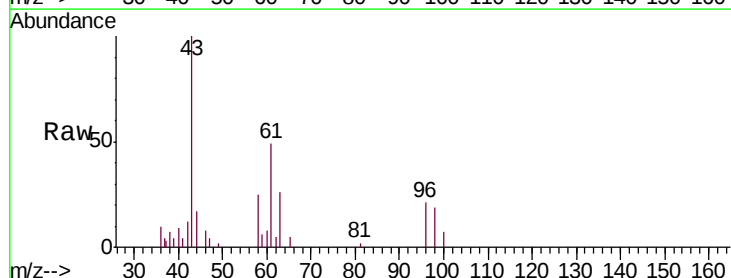
Instrument :
 MSVOA_W
 ClientSampleId :
 GAM27MSD

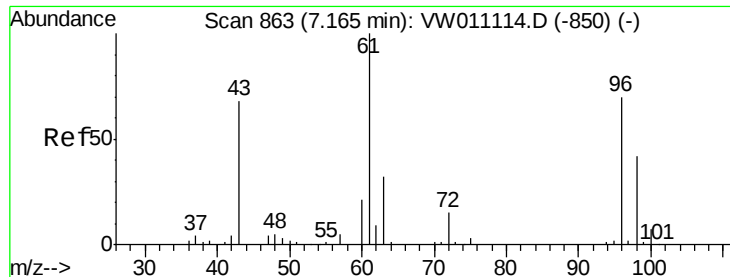
Tgt Ion: 96 Resp: 90583
 Ion Ratio Lower Upper
 96 100
 61 190.1 142.2 264.0
 63 129.6 138.9 257.9#



#13
 Acetone
 Concen: 4.797 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW011118.D
 Acq: 02 Jul 2019 20:46

Tgt Ion: 43 Resp: 7995
 Ion Ratio Lower Upper
 43 100
 58 25.3 0.0 55.0





#21

2-Butanone

Concen: 2.723 ug/L

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011118.D

Acq: 02 Jul 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

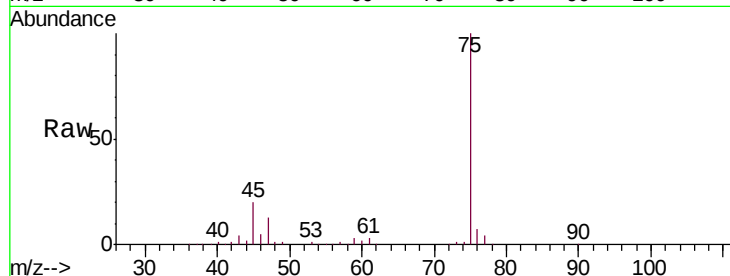
GAM27MSD

Tgt Ion: 43 Resp: 5859

Ion Ratio Lower Upper

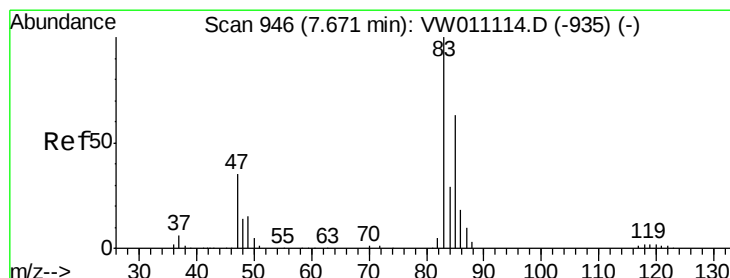
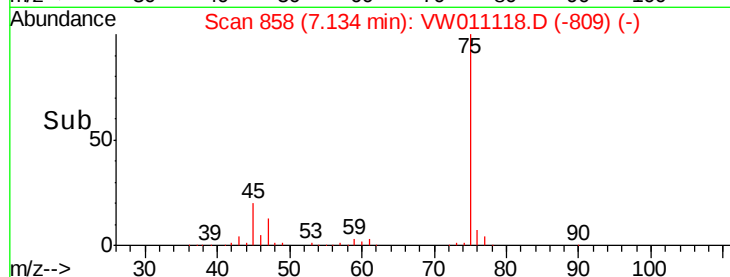
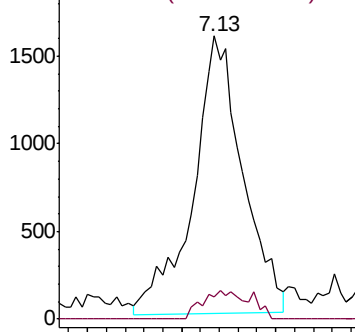
43 100

72 3.5 11.2 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#25

Chloroform

Concen: 0.859 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011118.D

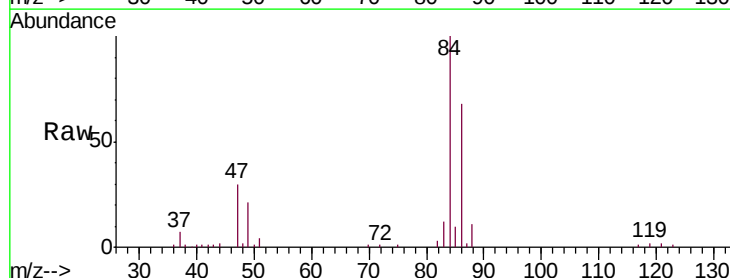
Acq: 02 Jul 2019 20:46

Tgt Ion: 83 Resp: 6220

Ion Ratio Lower Upper

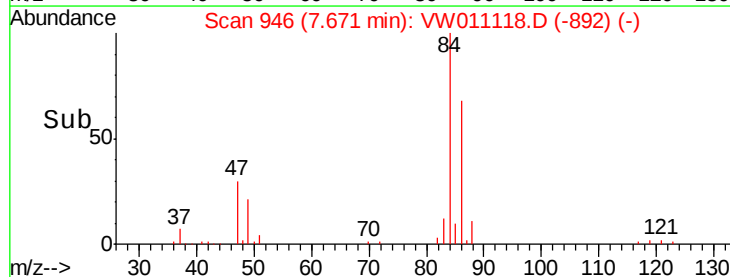
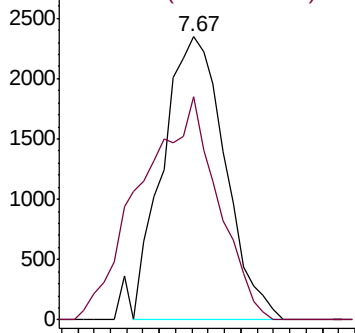
83 100

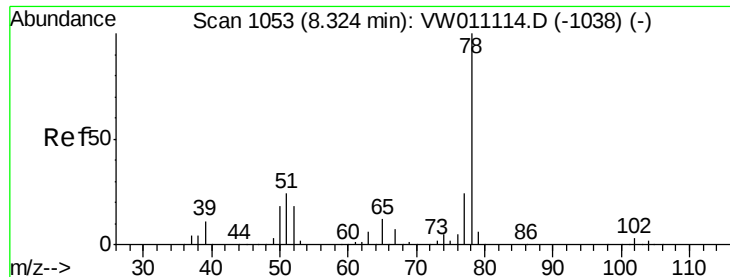
85 47.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#34

Benzene

Concen: 26.876 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011118.D

Acq: 02 Jul 2019 20:46

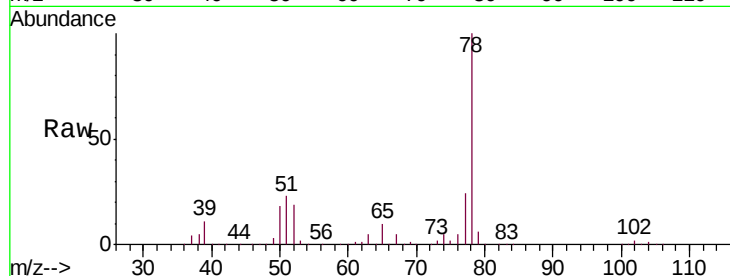
Instrument :

MSVOA_W

ClientSampleId :

GAM27MSD

Tgt Ion: 78 Resp: 425544



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

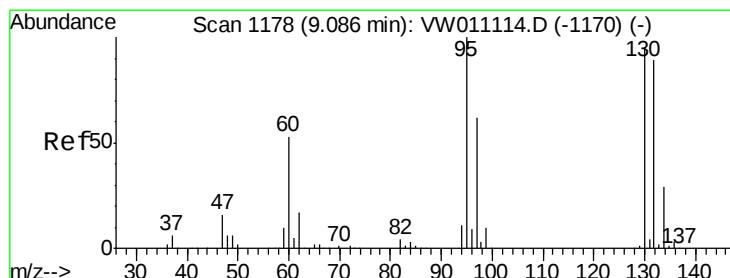
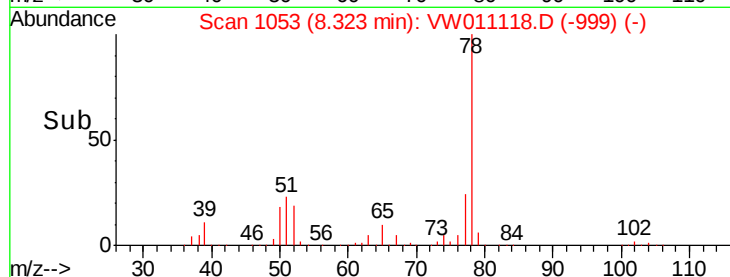
200000

150000

100000

50000

Time-->



#35

Trichloroethene

Concen: 26.672 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011118.D

Acq: 02 Jul 2019 20:46

Tgt Ion: 95 Resp: 106572

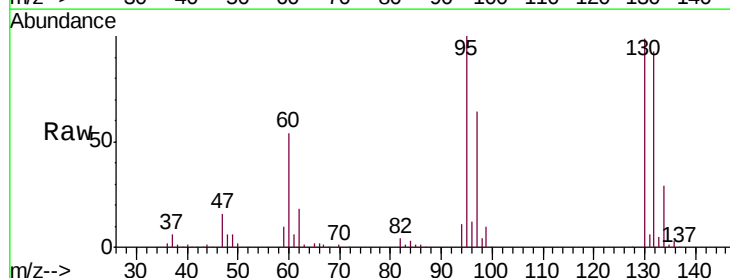
Ion Ratio Lower Upper

95 100

97 63.2 45.4 84.2

132 91.6 65.0 120.8

130 96.1 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

9.09

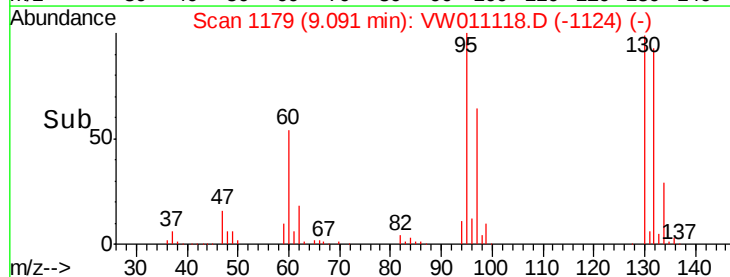
80000

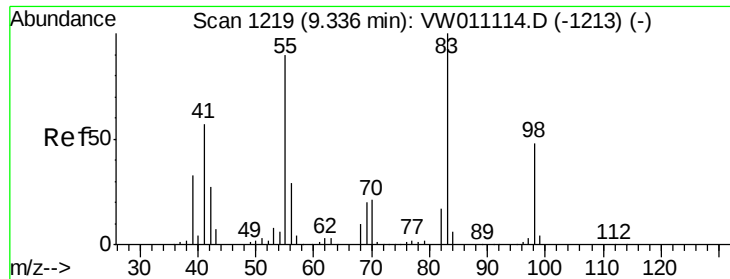
60000

40000

20000

Time-->

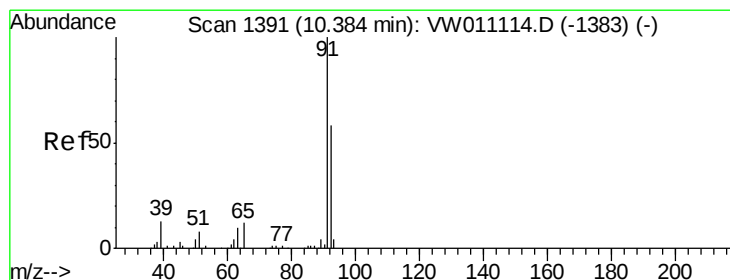
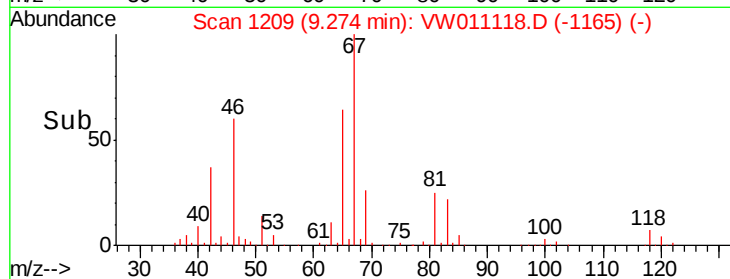
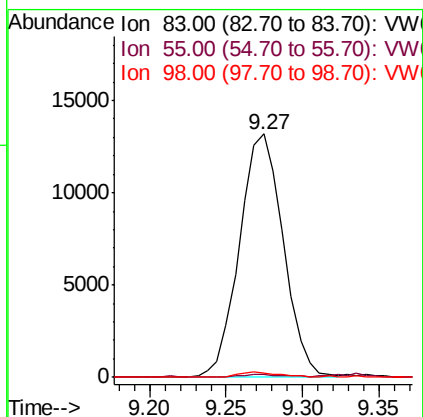
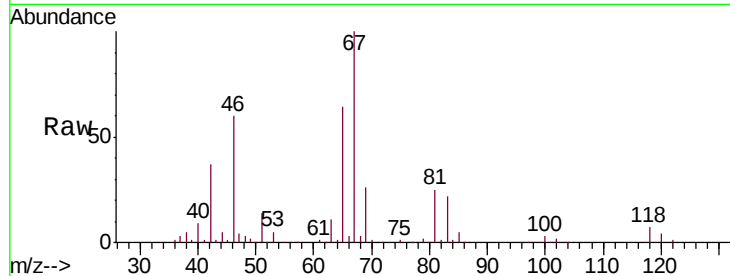




#36
Methylcyclohexane
Concen: 3.658 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW011118.D
Acq: 02 Jul 2019 20:46

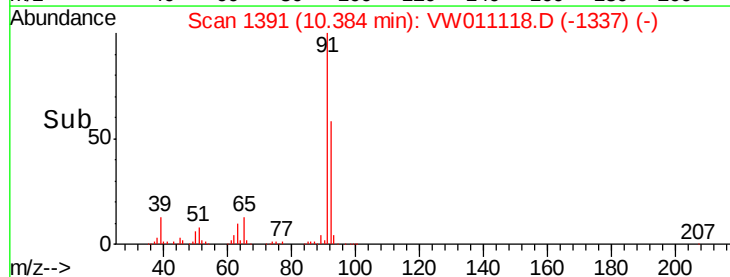
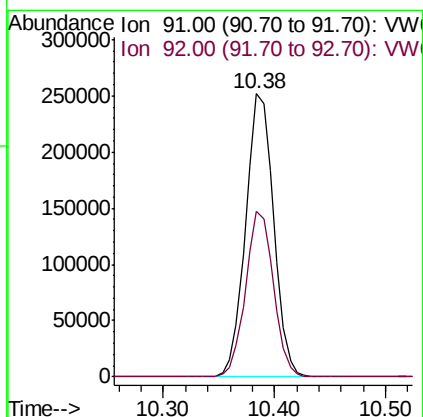
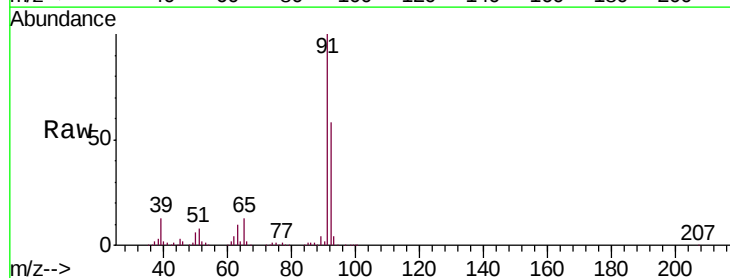
Instrument :
MSVOA_W
ClientSampleId :
GAM27MSD

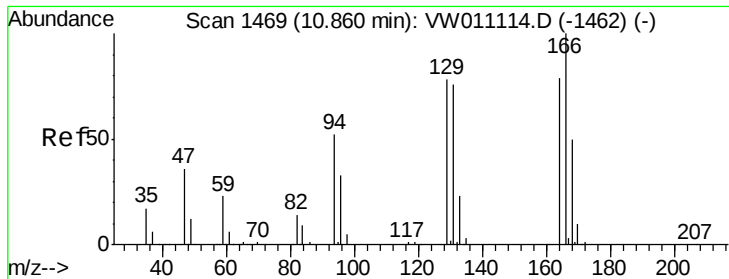
Tgt Ion: 83 Resp: 26301
Ion Ratio Lower Upper
83 100
55 0.8 72.2 108.4#
98 1.8 38.2 57.4#



#44
Toluene
Concen: 26.997 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW011118.D
Acq: 02 Jul 2019 20:46

Tgt Ion: 91 Resp: 442444
Ion Ratio Lower Upper
91 100
92 58.3 40.8 75.8





#47

Tetrachloroethene

Concen: 0.488 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW011118.D

Acq: 02 Jul 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

GAM27MSD

Tgt Ion:164 Resp: 1473

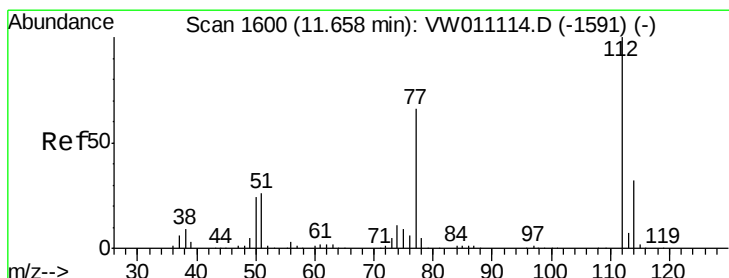
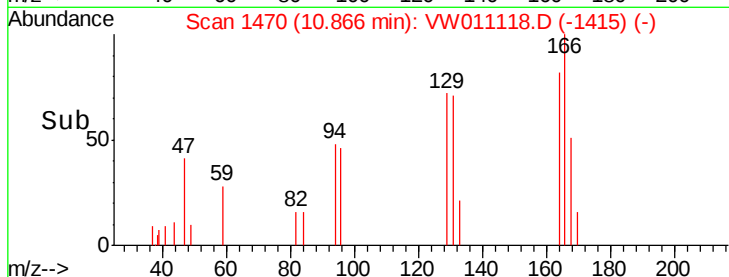
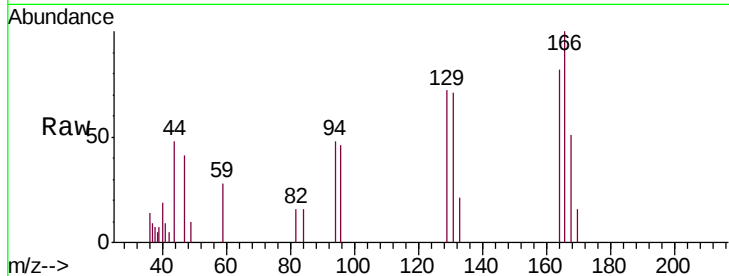
Ion Ratio Lower Upper

164 100

129 88.2 68.5 127.1

131 86.8 64.8 120.4

166 121.9 87.9 163.3



#52

Chlorobenzene

Concen: 26.211 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011118.D

Acq: 02 Jul 2019 20:46

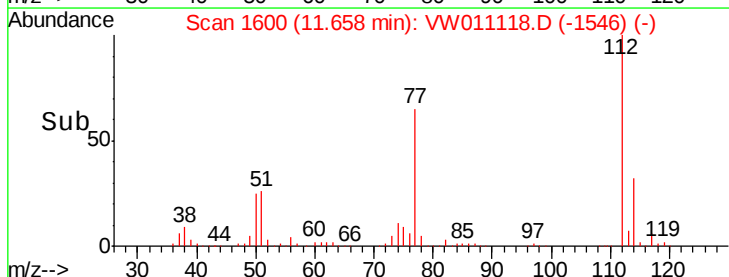
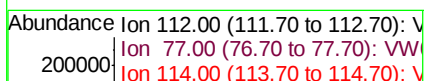
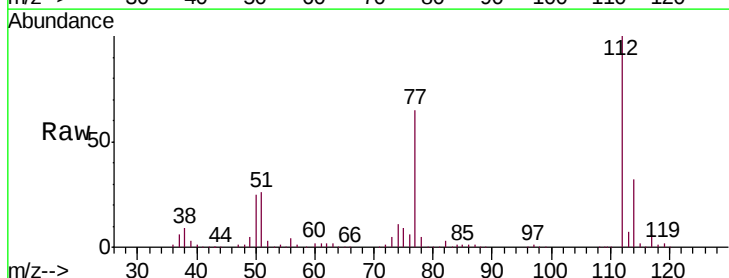
Tgt Ion:112 Resp: 262440

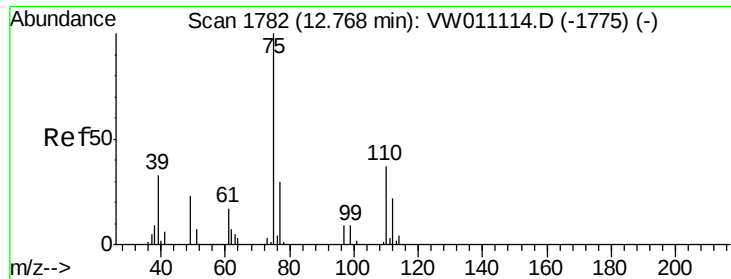
Ion Ratio Lower Upper

112 100

77 64.8 51.2 76.8

114 32.4 22.0 40.8





#59

1,2,3-Trichloropropane

Concen: 5.279 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011118.D

Acq: 02 Jul 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

GAM27MSD

Tgt Ion: 75 Resp: 16203

Ion Ratio Lower Upper

75 100

77 37.5 25.4 38.0

