

Data File : VW014058.D
Acq On : 18 Nov 2019 13:01
Operator : SY/VA
Sample : K5855-03MSD
Misc : 4.93G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQF3MSD

Quant Time: Nov 19 07:24:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 19 07:22:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	345487	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292951	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	114105	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103641	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.20%
7) Chloroethane-d5	2.89	69	94479	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.56%
10) 1,1-Dichloroethene-d2	4.03	63	227295	20.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.36%
20) 2-Butanone-d5	7.07	46	78654	49.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.24%
24) Chloroform-d	7.64	84	249909	23.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.12%
26) 1,2-Dichloroethane-d4	8.30	65	135805	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.72%
29) Benzene-d6	8.27	84	517372	24.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.56%
33) 1,2-Dichloropropane-d6	9.27	67	161535	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.12%
37) Toluene-d8	10.32	98	447264	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.76%
38) trans-1,3-Dichloropropene-	10.57	79	62931	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.52%
39) 2-Hexanone-d5	10.92	63	61842	53.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108892	23.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	101748	22.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.76%

Target Compounds

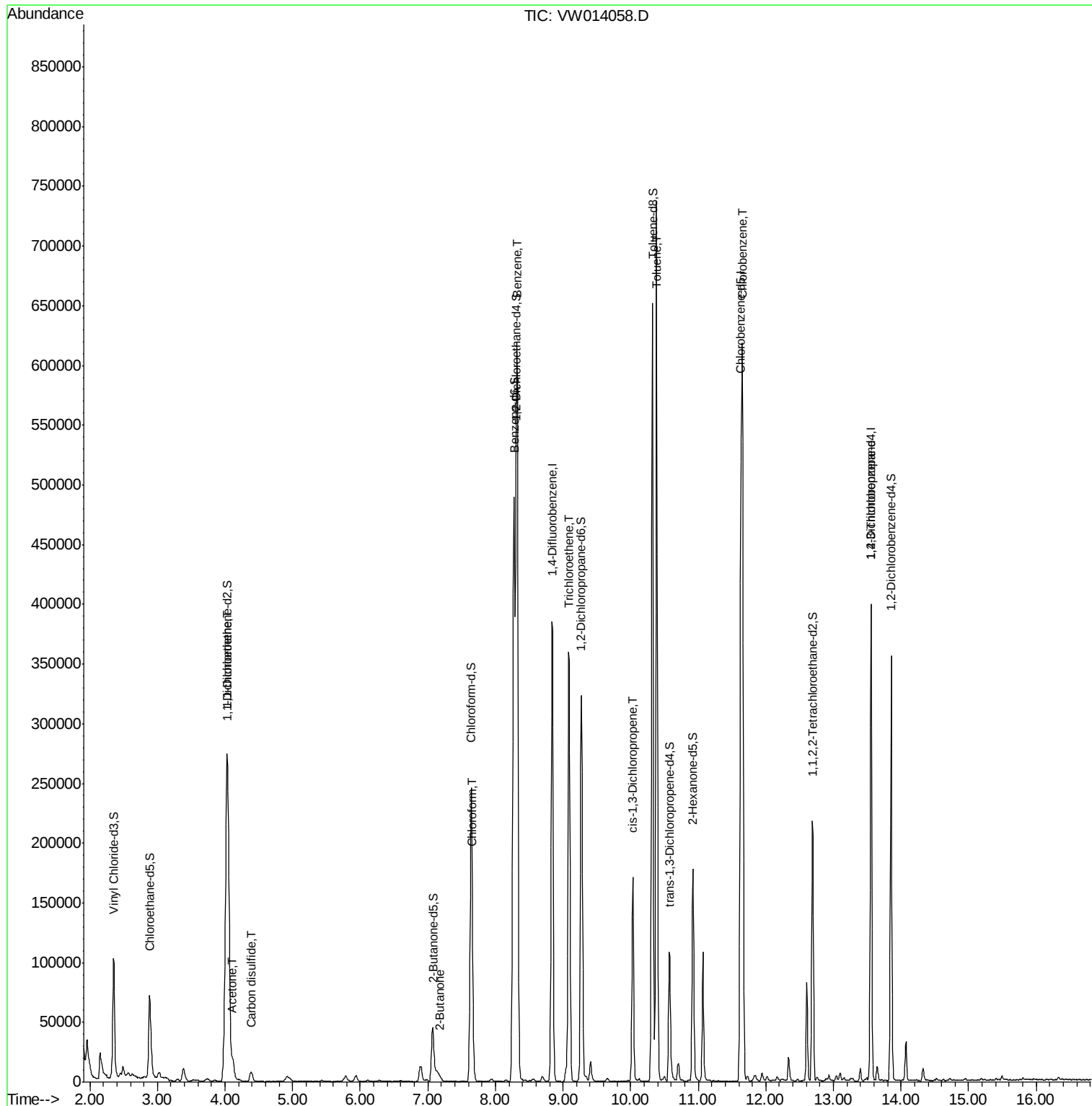
						Qvalue
12) 1,1-Dichloroethene	4.04	96	118694	20.351	ug/L	98
13) Acetone	4.11	43	22570	13.851	ug/L	94
14) Carbon disulfide	4.39	76	15135	0.912	ug/L #	93
21) 2-Butanone	7.18	43	8288	3.959	ug/L	81
25) Chloroform	7.67	83	5928	0.589	ug/L	80
34) Benzene	8.32	78	536665	24.975	ug/L	100
35) Trichloroethene	9.09	95	129097	22.522	ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	3666	0.449	ug/L #	69
44) Toluene	10.38	91	546546	23.329	ug/L	99
52) Chlorobenzene	11.65	112	315288	21.467	ug/L	98
59) 1,2,3-Trichloropropane	13.55	75	11570	3.467	ug/L	91

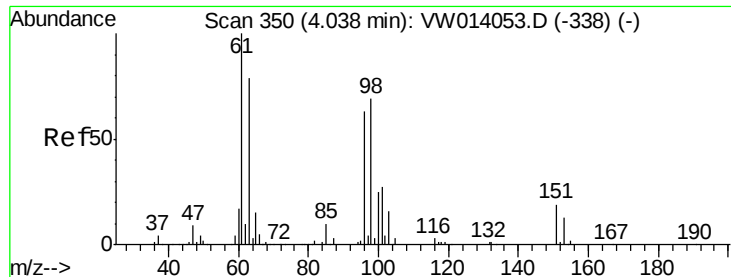
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 20.351 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014058.D

Acq: 18 Nov 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

GAQF3MSD

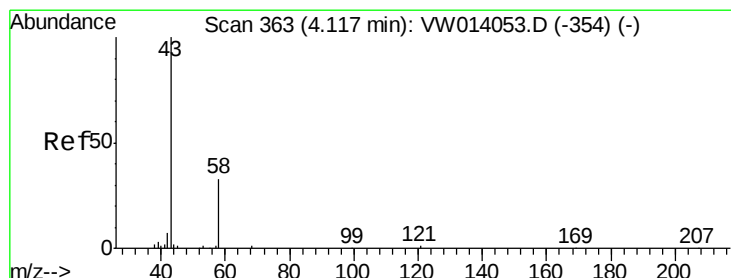
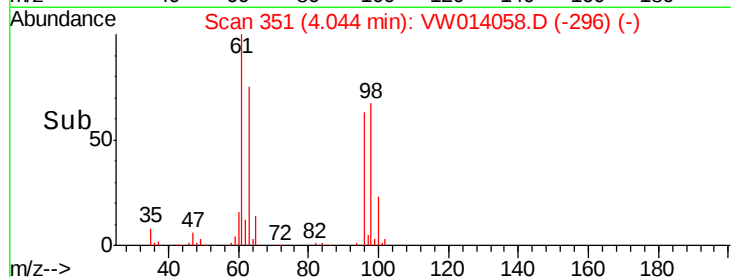
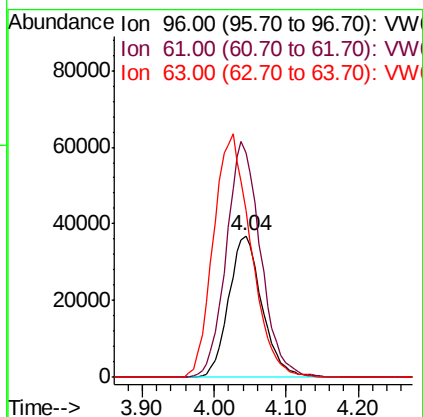
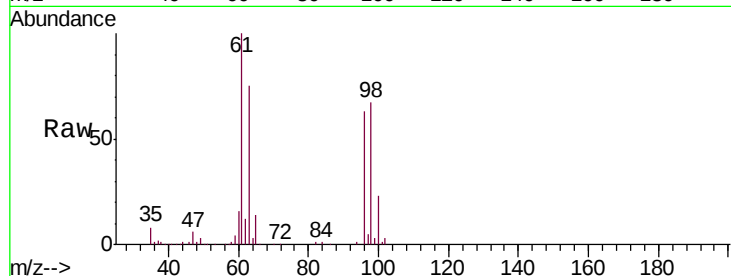
Tgt Ion: 96 Resp: 118694

Ion Ratio Lower Upper

96 100

61 158.5 109.8 204.0

63 118.3 80.7 149.9



#13

Acetone

Concen: 13.851 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014058.D

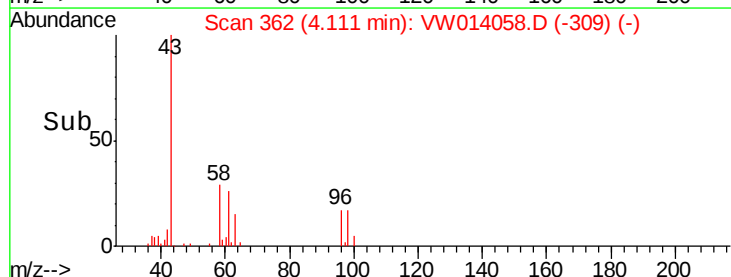
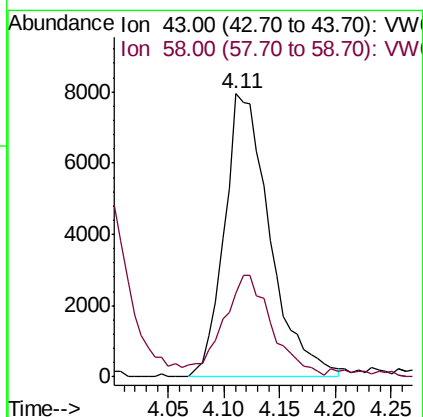
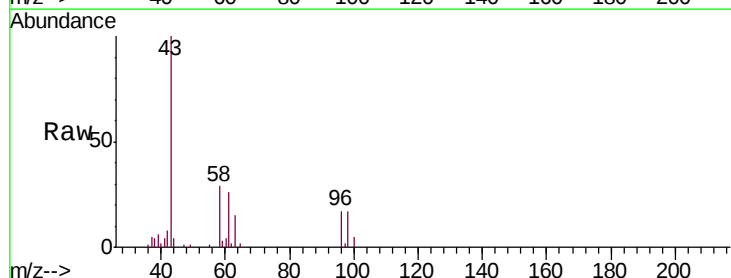
Acq: 18 Nov 2019 13:01

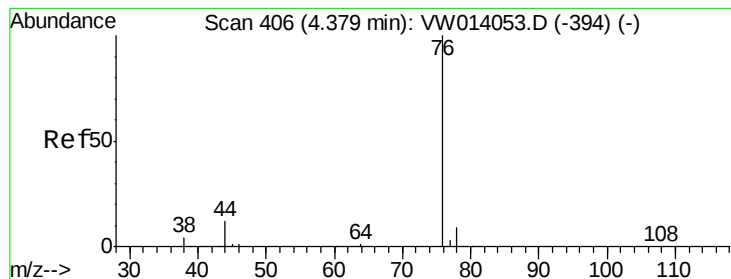
Tgt Ion: 43 Resp: 22570

Ion Ratio Lower Upper

43 100

58 36.1 0.0 65.4





#14

Carbon disulfide

Concen: 0.912 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014058.D

Acq: 18 Nov 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

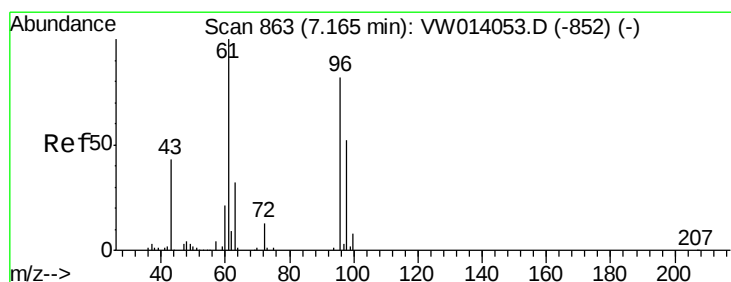
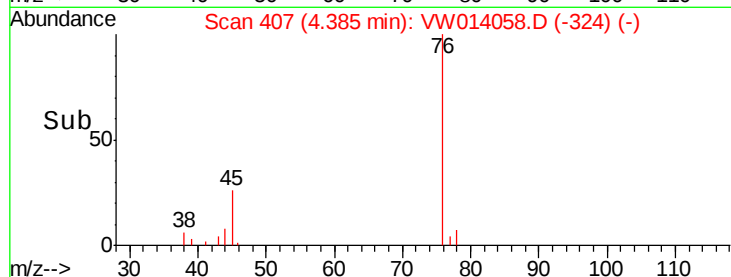
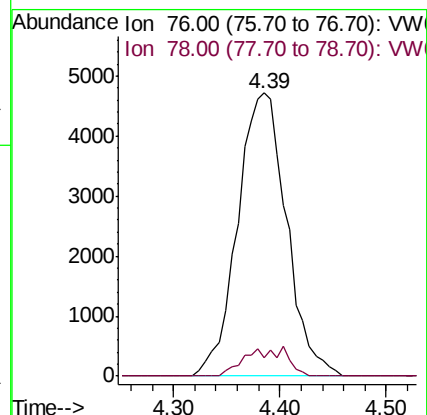
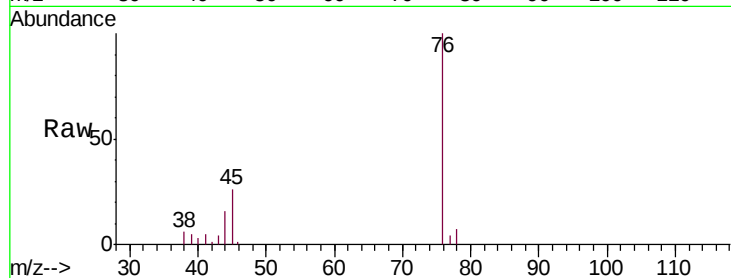
GAQF3MSD

Tgt Ion: 76 Resp: 15135

Ion Ratio Lower Upper

76 100

78 6.6 7.2 10.8#



#21

2-Butanone

Concen: 3.959 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014058.D

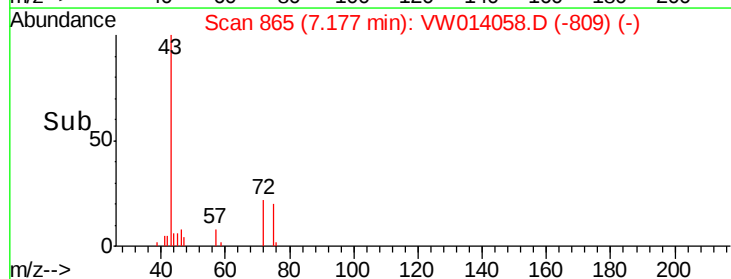
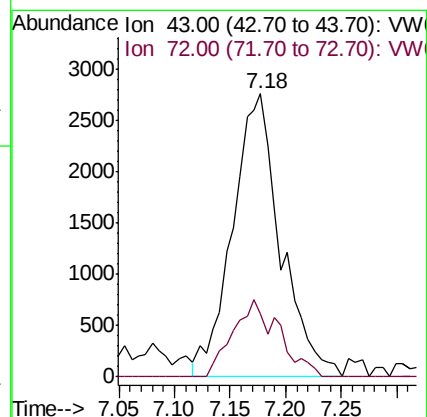
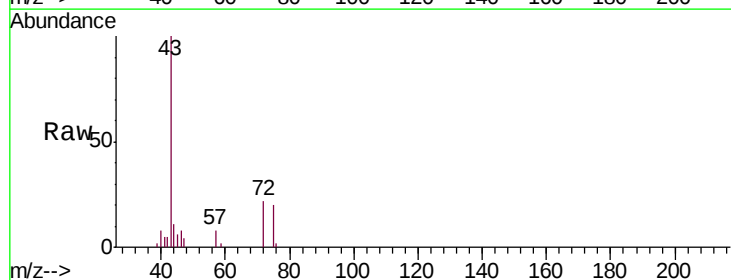
Acq: 18 Nov 2019 13:01

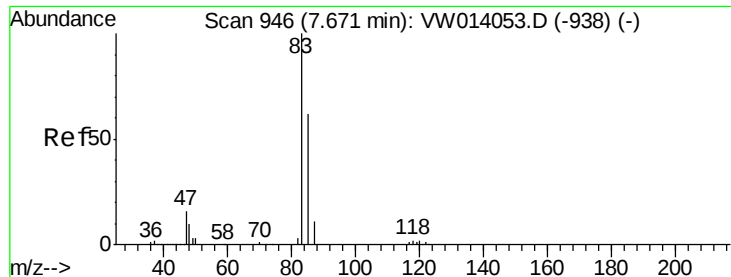
Tgt Ion: 43 Resp: 8288

Ion Ratio Lower Upper

43 100

72 18.0 14.1 42.2

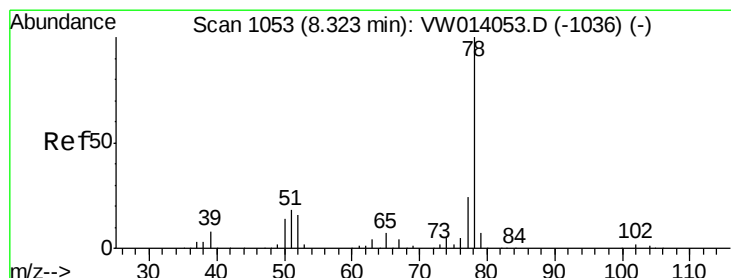
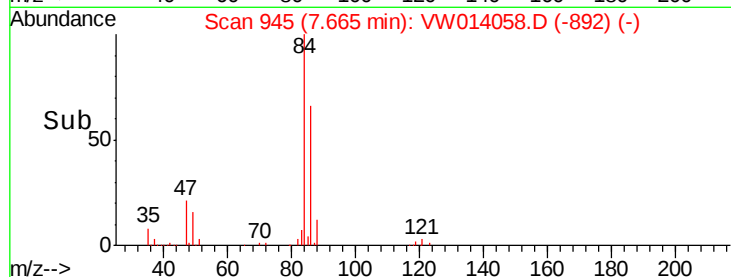
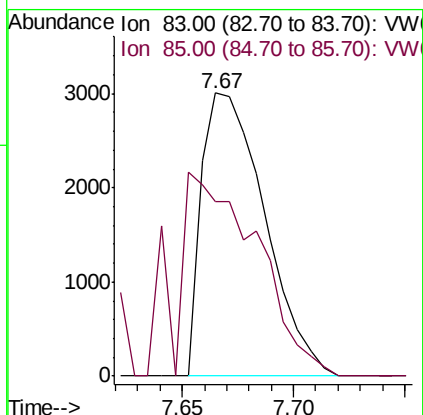
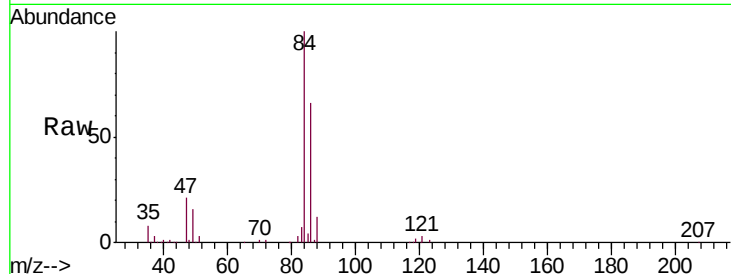




#25
Chloroform
Concen: 0.589 ug/L
RT: 7.67 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW014058.D
Acq: 18 Nov 2019 13:01

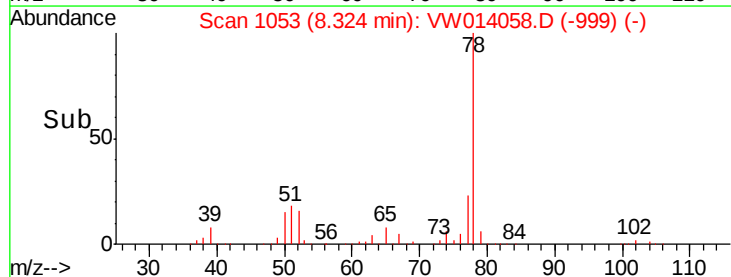
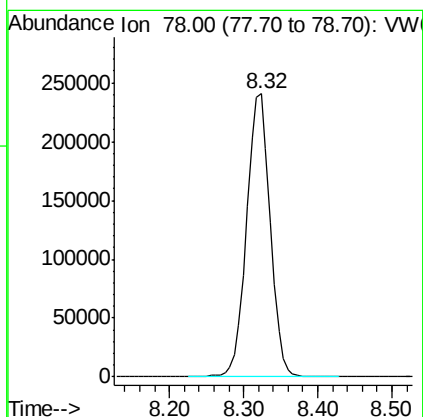
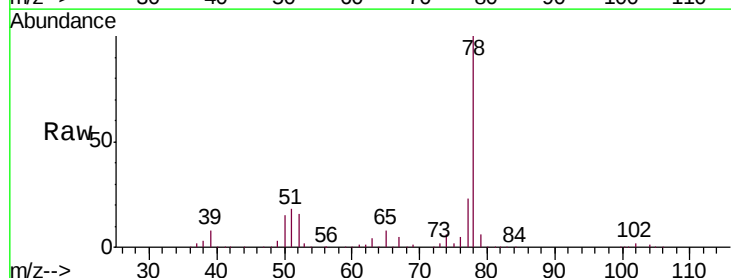
Instrument :
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ClientSampleId :
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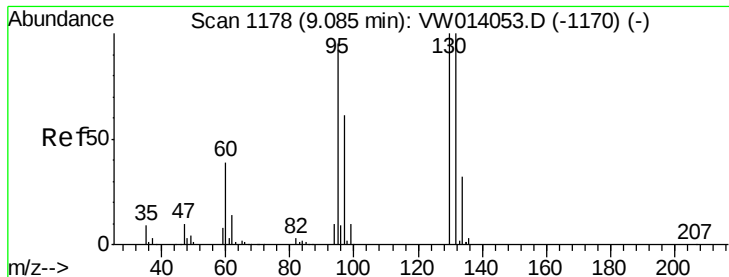
Tgt Ion: 83 Resp: 5928
Ion Ratio Lower Upper
83 100
85 82.1 46.1 85.7



#34
Benzene
Concen: 24.975 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW014058.D
Acq: 18 Nov 2019 13:01

Tgt Ion: 78 Resp: 536665





#35

Trichloroethene

Concen: 22.522 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014058.D

Acq: 18 Nov 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

GAQF3MSD

Tgt Ion: 95 Resp: 129097

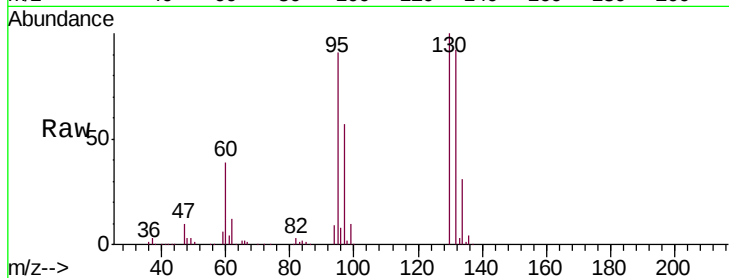
Ion Ratio Lower Upper

95 100

97 63.2 45.1 83.9

132 104.3 73.7 136.9

130 108.4 76.6 142.2

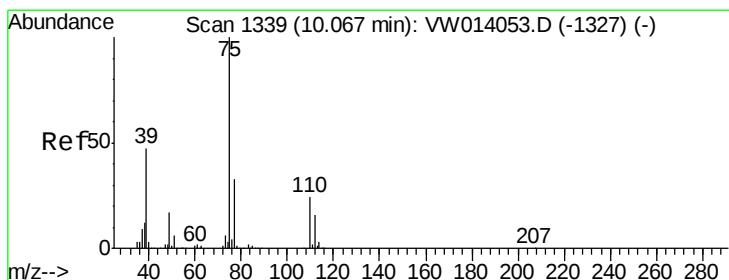
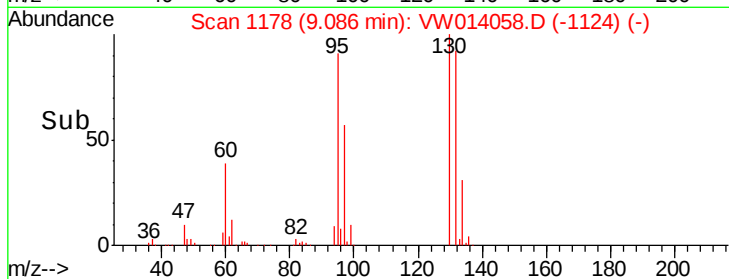
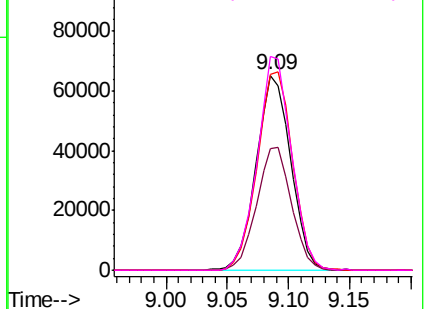


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.449 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014058.D

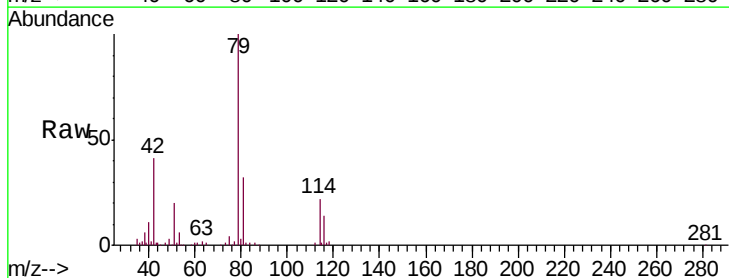
Acq: 18 Nov 2019 13:01

Tgt Ion: 75 Resp: 3666

Ion Ratio Lower Upper

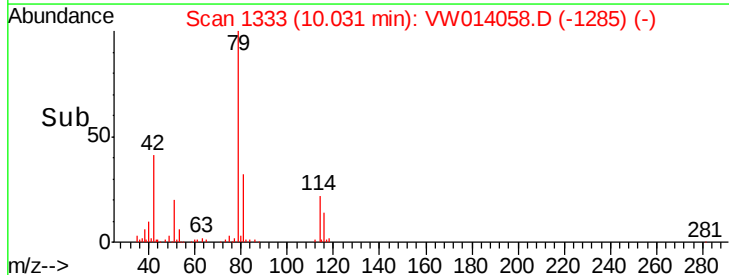
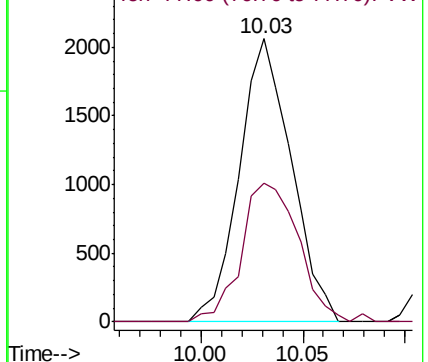
75 100

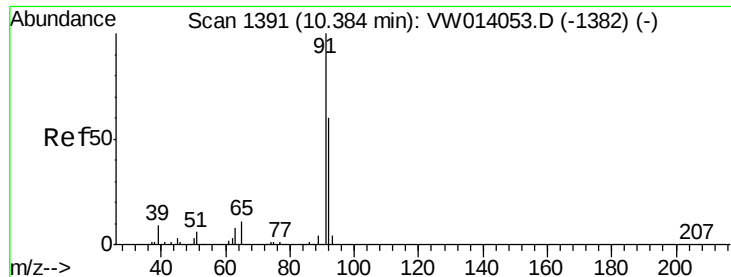
77 48.9 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 23.329 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014058.D

Acq: 18 Nov 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

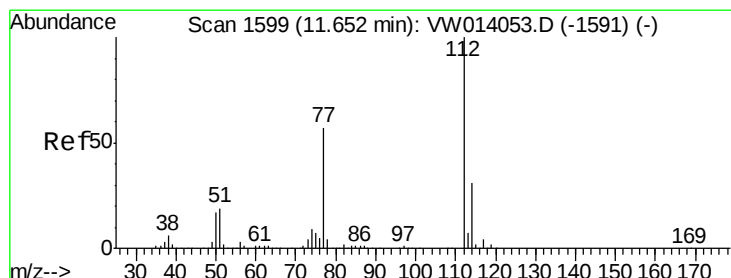
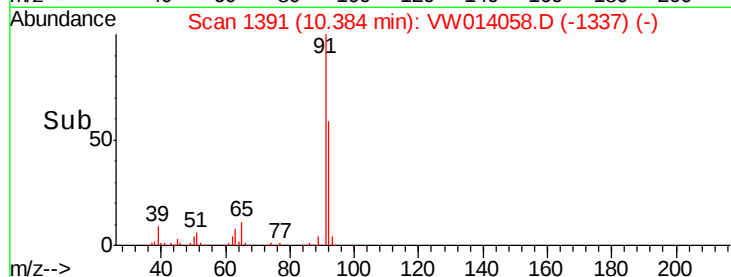
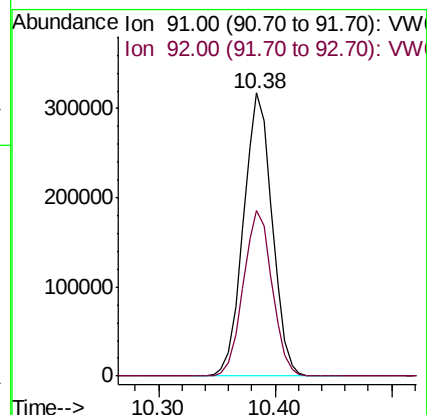
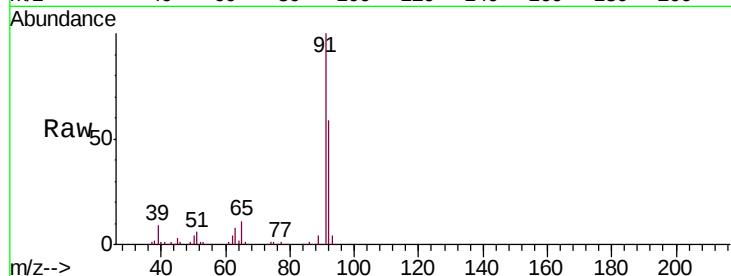
GAQF3MSD

Tgt Ion: 91 Resp: 546546

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#52

Chlorobenzene

Concen: 21.467 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014058.D

Acq: 18 Nov 2019 13:01

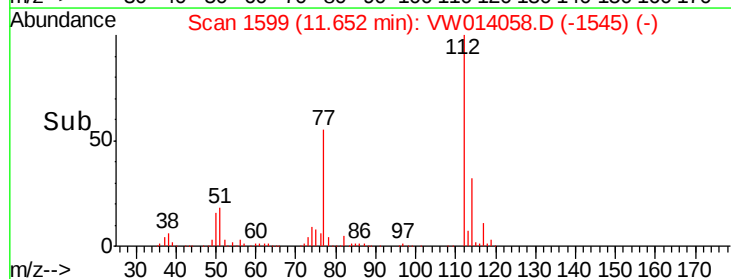
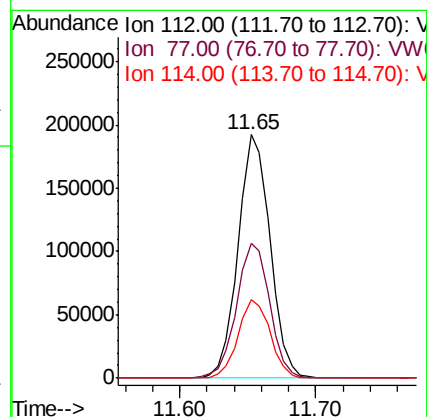
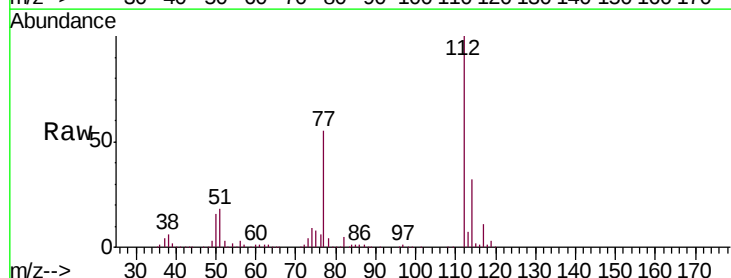
Tgt Ion: 112 Resp: 315288

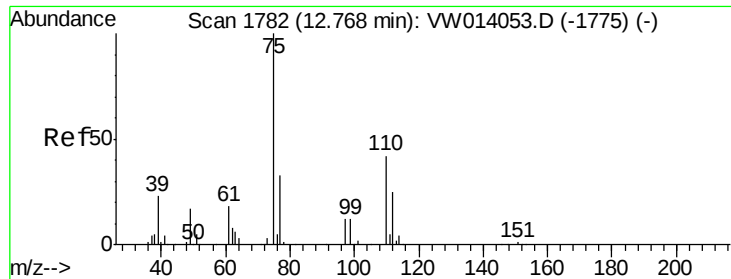
Ion Ratio Lower Upper

112 100

77 55.3 42.2 63.4

114 32.2 22.5 41.9





#59

1,2,3-Trichloropropane

Concen: 3.467 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014058.D

Acq: 18 Nov 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

GAQF3MSD

Tgt Ion: 75 Resp: 11570

Ion Ratio Lower Upper

75 100

77 37.4 25.9 38.9

