

Data File : VW014057.D
Acq On : 18 Nov 2019 12:34
Operator : SY/VA
Sample : K5855-02MS
Misc : 6.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQF3MS

Quant Time: Nov 19 07:24:49 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	367599	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	104309	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112753	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.92%
7) Chloroethane-d5	2.89	69	101715	21.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.56%
10) 1,1-Dichloroethene-d2	4.02	63	245287	20.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.52%
20) 2-Butanone-d5	7.07	46	115557	67.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.64%#
24) Chloroform-d	7.65	84	271495	24.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	8.30	65	158327	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.44%
29) Benzene-d6	8.27	84	575860	26.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.68%
33) 1,2-Dichloropropane-d6	9.27	67	179090	28.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.20%
37) Toluene-d8	10.32	98	487020	23.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.28%
38) trans-1,3-Dichloropropene-	10.57	79	71926	26.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.24%
39) 2-Hexanone-d5	10.92	63	92204	76.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.34%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127445	26.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	92821	22.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.60%

Target Compounds

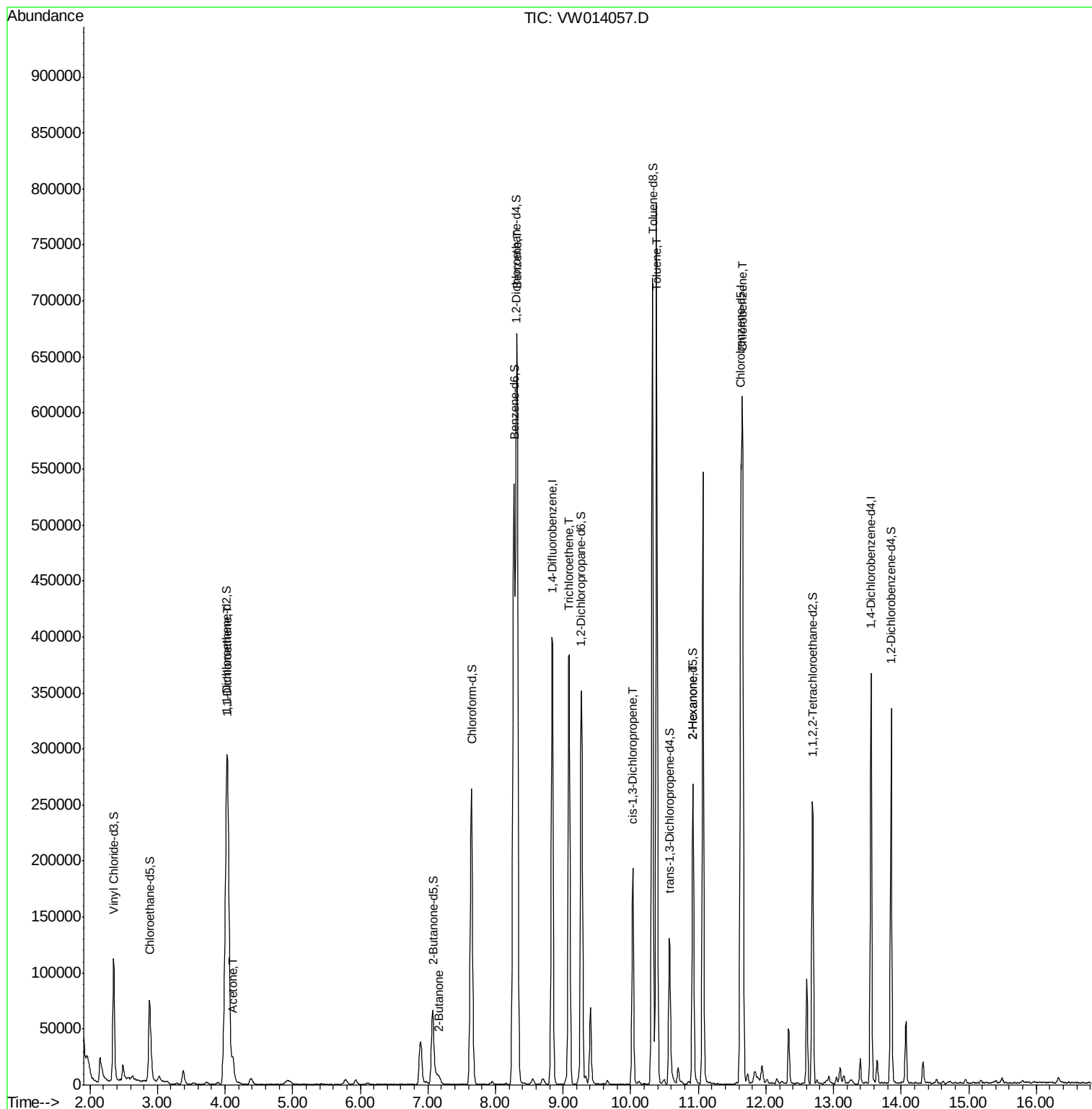
						Qvalue
12) 1,1-Dichloroethene	4.04	96	124952	20.136	ug/L	97
13) Acetone	4.12	43	31436	18.131	ug/L	85
21) 2-Butanone	7.17	43	7953	3.570	ug/L	84
34) Benzene	8.32	78	571749	25.379	ug/L	100
35) Trichloroethene	9.09	95	135406	22.532	ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	4338	0.507	ug/L #	80
44) Toluene	10.38	91	580640	23.639	ug/L	99
49) 2-Hexanone	10.92	43	9918	3.842	ug/L #	67
52) Chlorobenzene	11.65	112	317778	20.637	ug/L	96

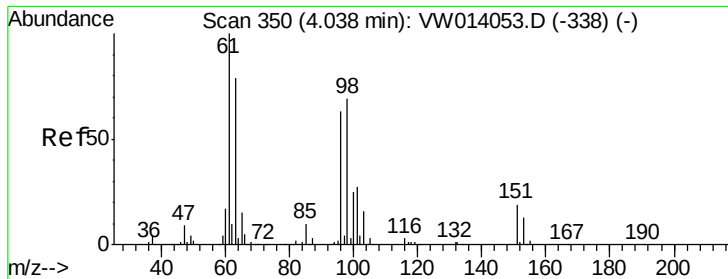
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 20.136 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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Acq: 18 Nov 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

GAQF3MS

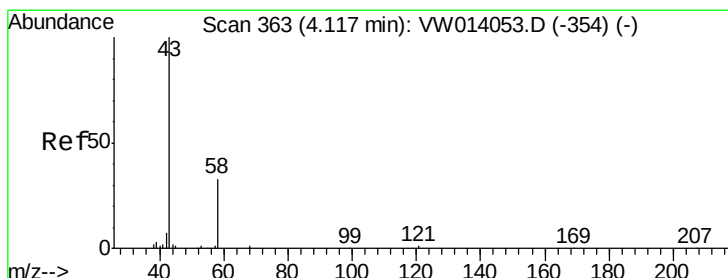
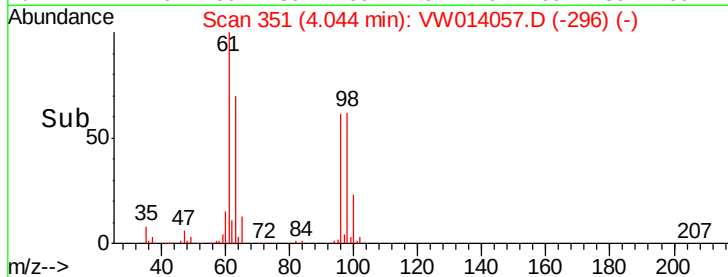
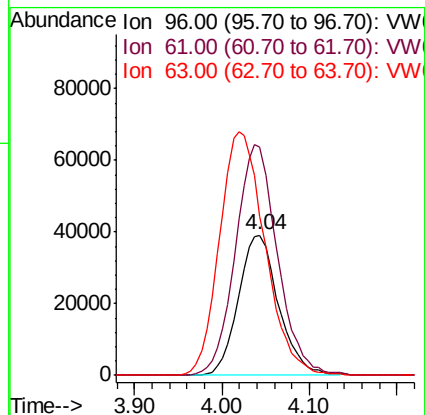
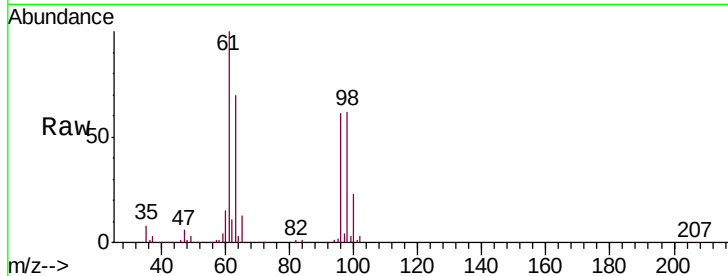
Tgt Ion: 96 Resp: 124952

Ion Ratio Lower Upper

96 100

61 162.7 109.8 204.0

63 113.3 80.7 149.9



#13

Acetone

Concen: 18.131 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014057.D

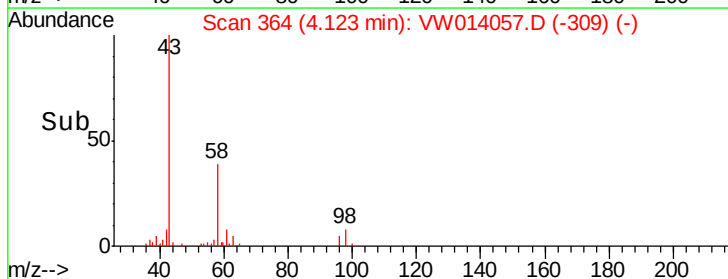
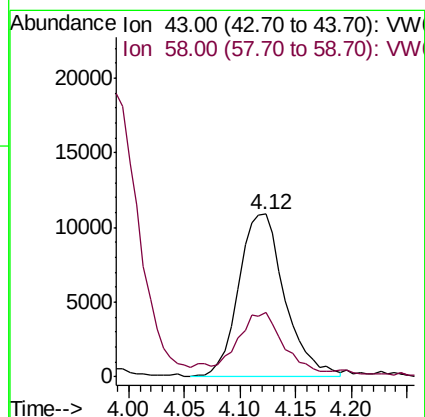
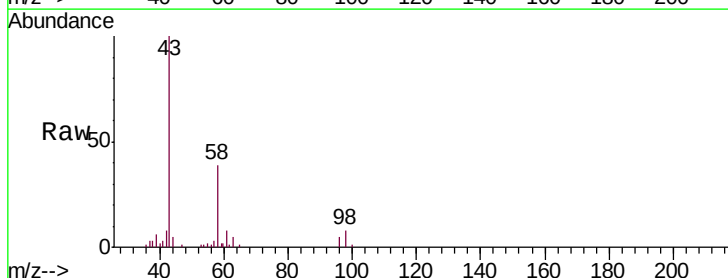
Acq: 18 Nov 2019 12:34

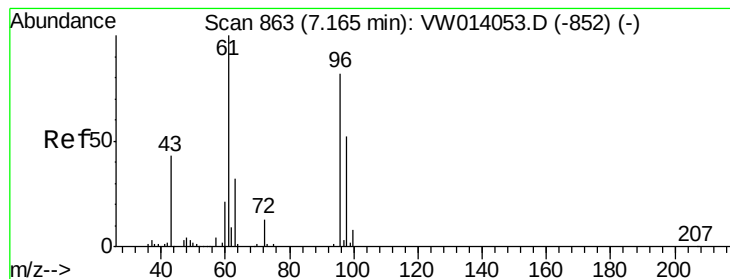
Tgt Ion: 43 Resp: 31436

Ion Ratio Lower Upper

43 100

58 41.2 0.0 65.4





#21

2-Butanone

Concen: 3.570 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

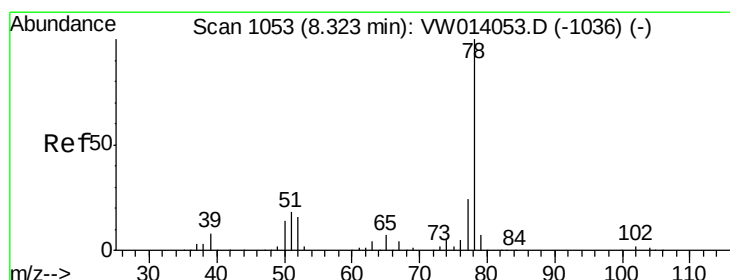
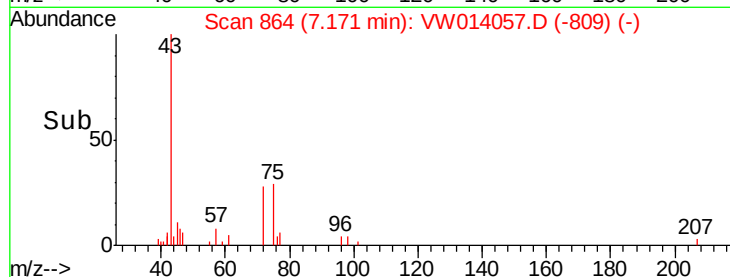
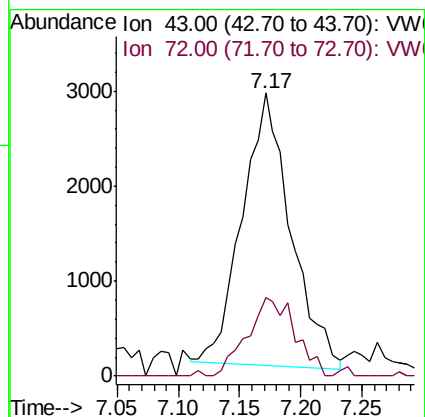
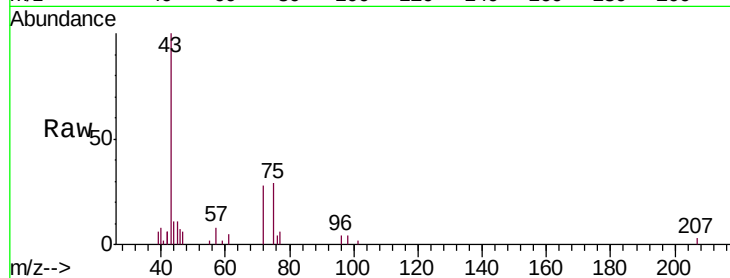
GAQF3MS

Tgt Ion: 43 Resp: 7953

Ion Ratio Lower Upper

43 100

72 19.6 14.1 42.2



#34

Benzene

Concen: 25.379 ug/L

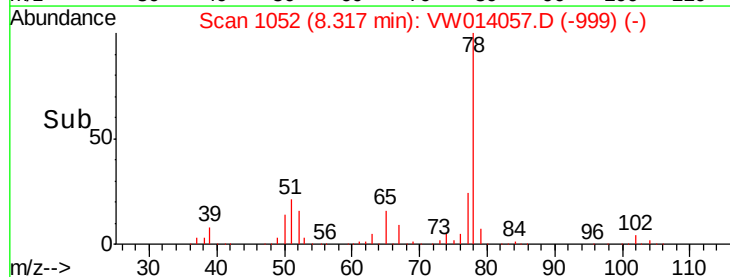
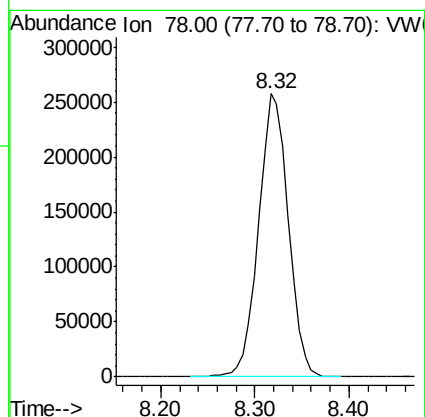
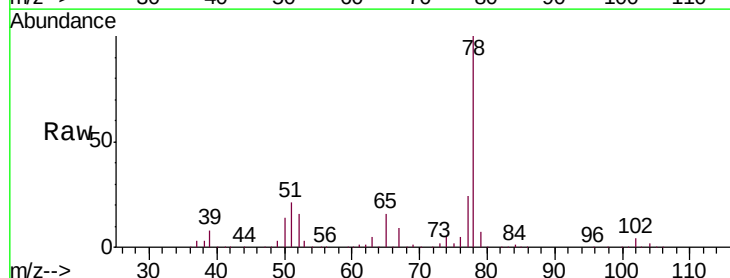
RT: 8.32 min Scan# 1052

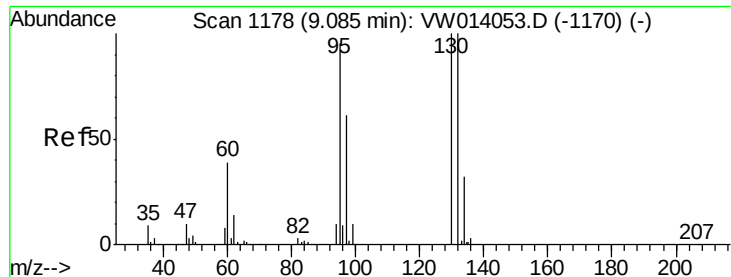
Delta R.T. -0.01 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Tgt Ion: 78 Resp: 571749





#35

Trichloroethene

Concen: 22.532 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

GAQF3MS

Tgt Ion: 95 Resp: 135406

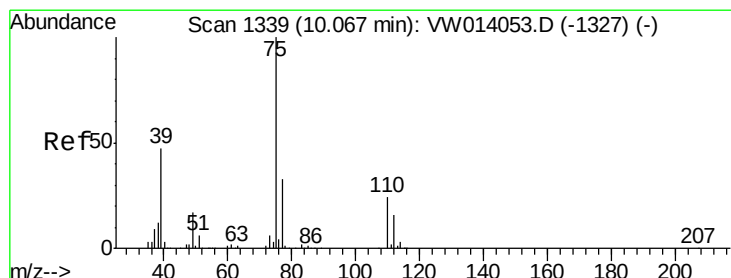
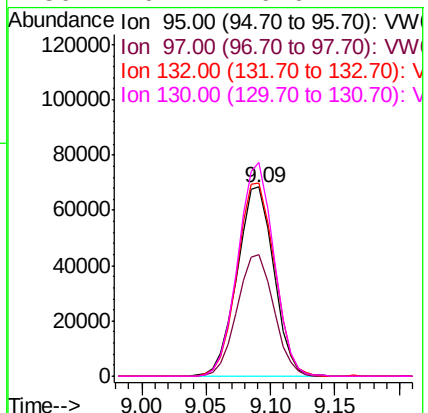
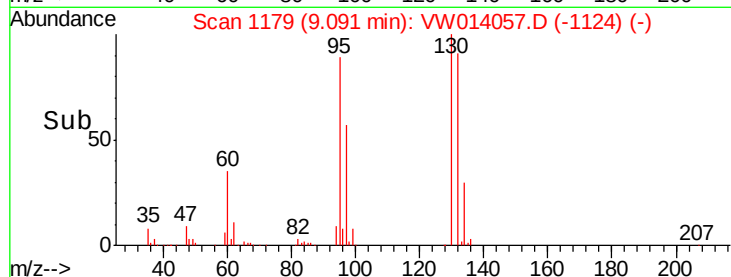
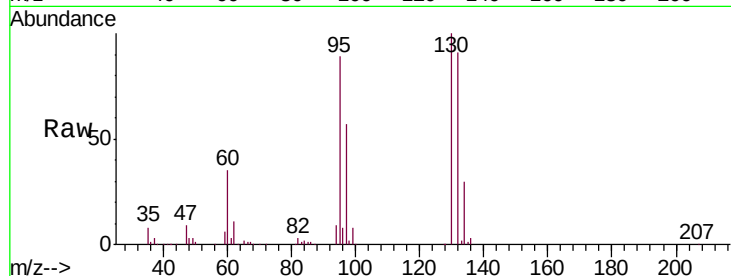
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 103.9 73.7 136.9

130 110.7 76.6 142.2



#42

cis-1,3-Dichloropropene

Concen: 0.507 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014057.D

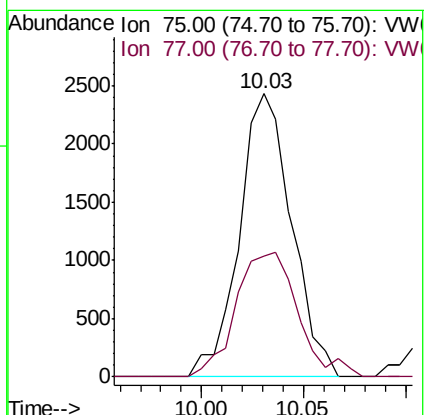
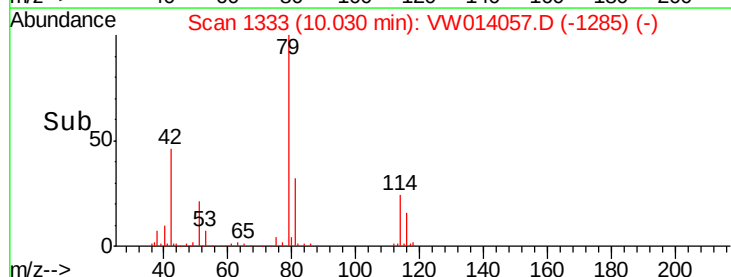
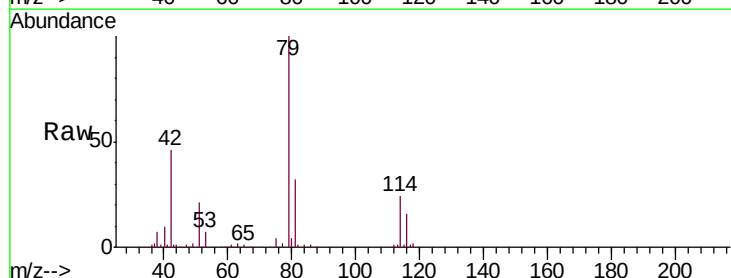
Acq: 18 Nov 2019 12:34

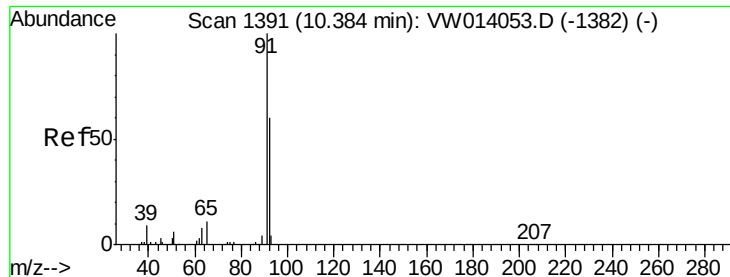
Tgt Ion: 75 Resp: 4338

Ion Ratio Lower Upper

75 100

77 42.9 22.1 41.1#





#44

Toluene

Concen: 23.639 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

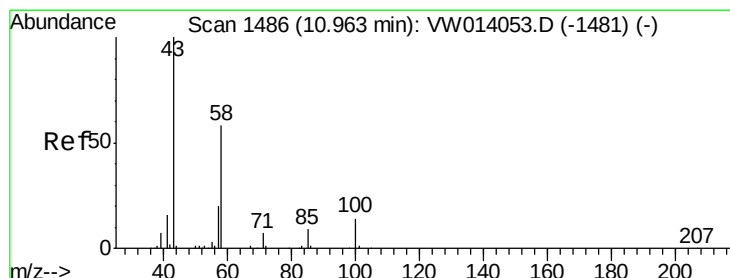
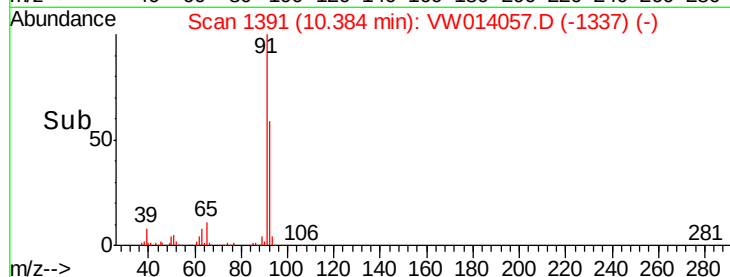
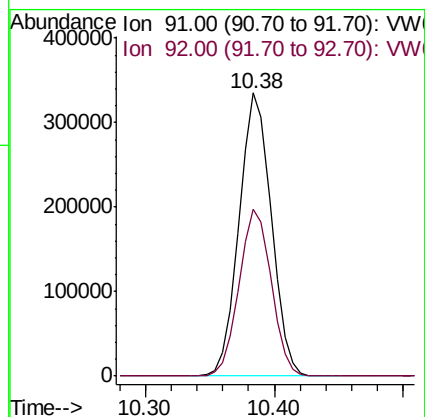
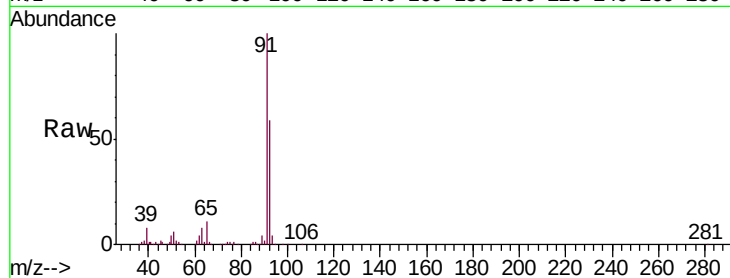
GAQF3MS

Tgt Ion: 91 Resp: 580640

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.7



#49

2-Hexanone

Concen: 3.842 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Tgt Ion: 43 Resp: 9918

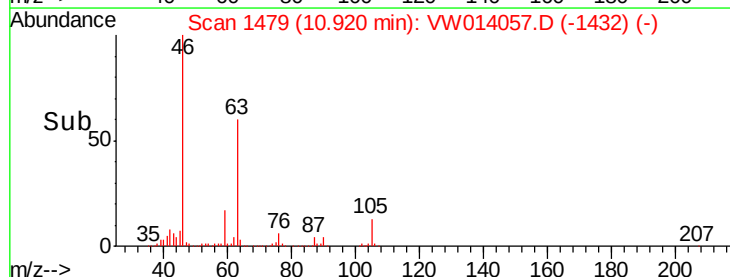
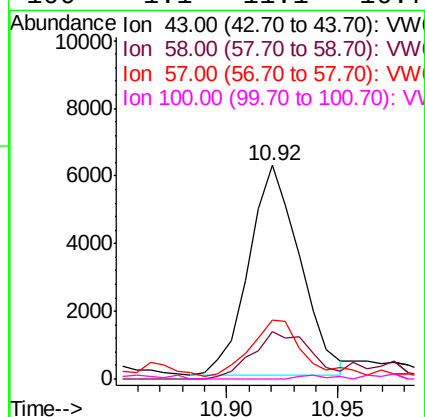
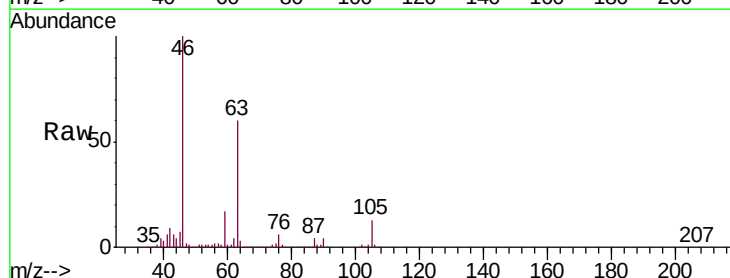
Ion Ratio Lower Upper

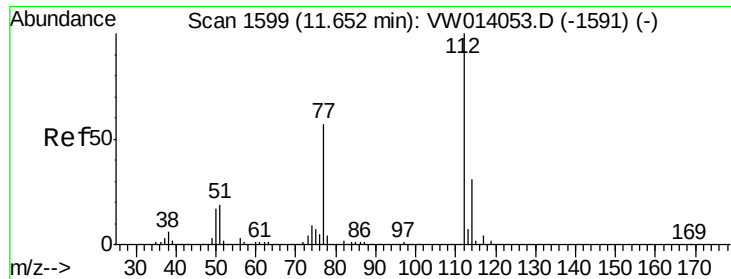
43 100

58 25.9 44.4 66.6#

57 26.7 16.5 24.7#

100 1.1 11.1 16.7#





#52

Chlorobenzene

Concen: 20.637 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

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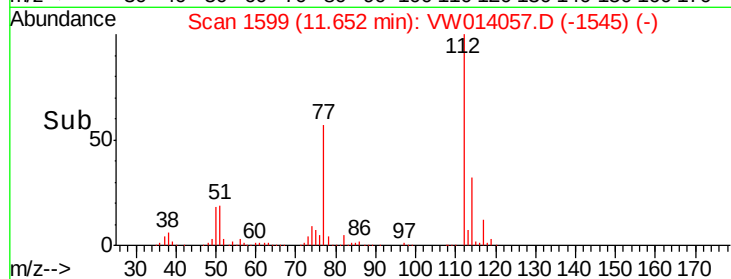
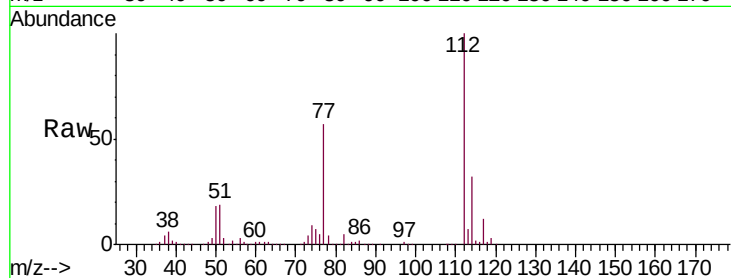
Tgt Ion:112 Resp: 317778

Ion Ratio Lower Upper

112 100

77 56.9 42.2 63.4

114 31.9 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

250000 Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V

200000

150000

100000

50000

0

11.60 11.65 11.70

Time-->