

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111819\
 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

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 3:02:30 AM

Quant Time: Nov 19 07:47:17 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

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	124952	20.136	ug/L	97
13) Acetone	4.12	43	31436	18.131	ug/L	85
14) Carbon disulfide	4.38	76	9262m	0.524	ug/L	
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
44) Toluene	10.38	91	580640	23.639	ug/L	99
52) Chlorobenzene	11.65	112	317778	20.637	ug/L	96

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

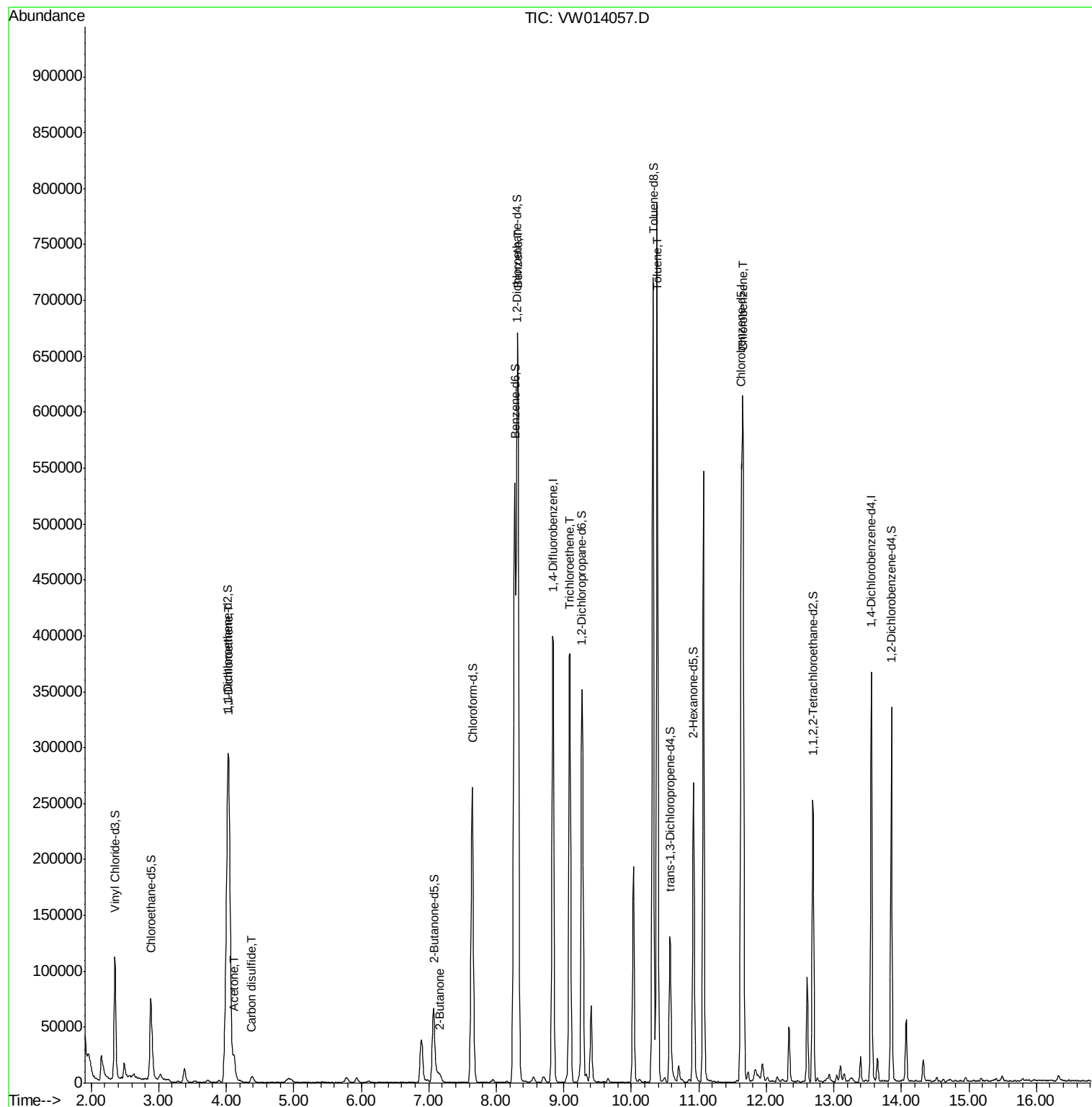
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111819\
Data File : VW014057.D
Acq On : 18 Nov 2019 12:34
Operator : SY/VA
Sample : K5855-02MS
Misc : 6.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

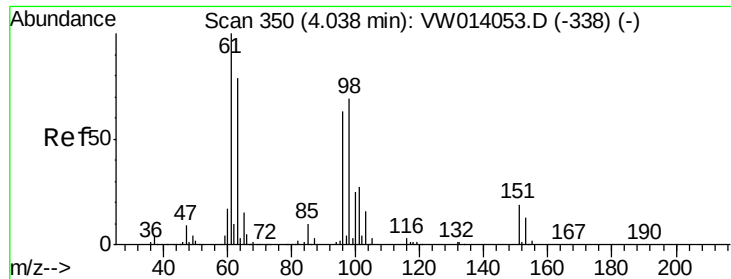
Instrument :
MSVOA_W
ClientSampleId :
GAQF3MS

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11/20/2019 3:02:30 AM

Quant Time: Nov 19 07:47:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 19 07:22:02 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.136 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014057.D

Acq: 18 Nov 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

GAQF3MS

Tot Ion: 96 Resp: 124952

Ion Ratio Lower Upper

96 100

61 162.7 109.8 204.0

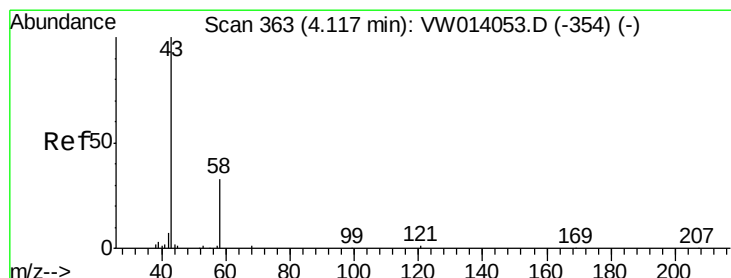
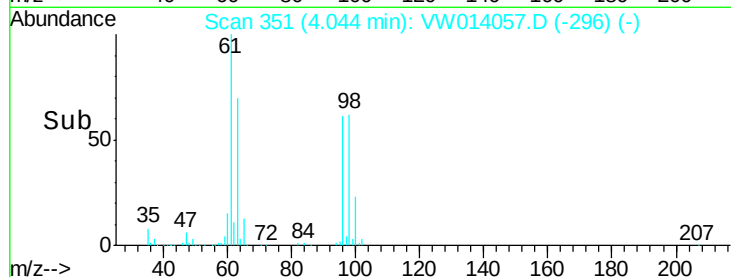
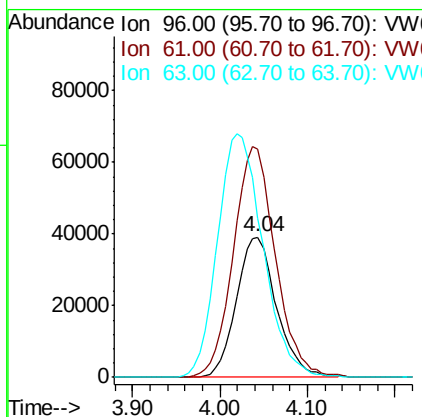
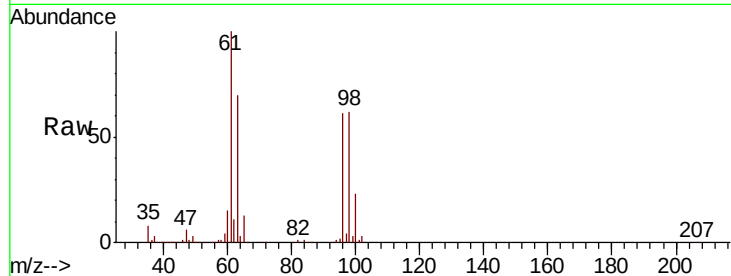
63 113.3 80.7 149.9

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#13

Acetone

Concen: 18.131 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014057.D

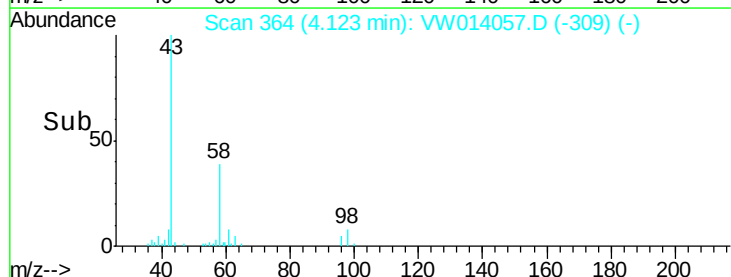
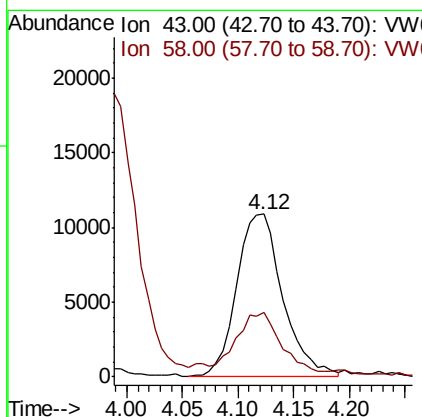
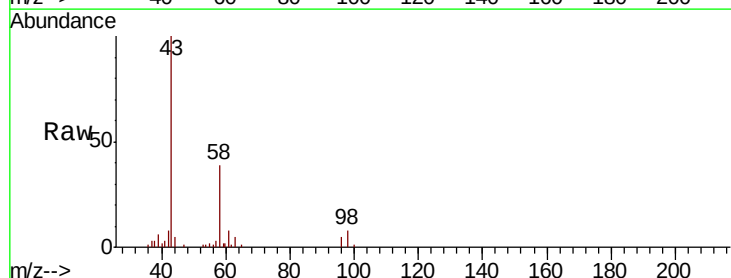
Acq: 18 Nov 2019 12:34

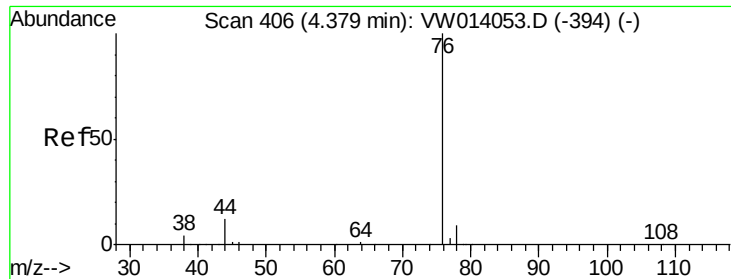
Tgt Ion: 43 Resp: 31436

Ion Ratio Lower Upper

43 100

58 41.2 0.0 65.4





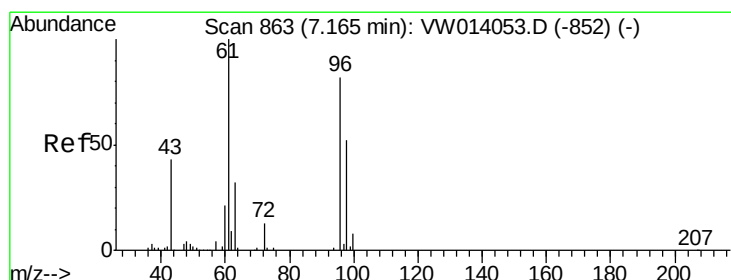
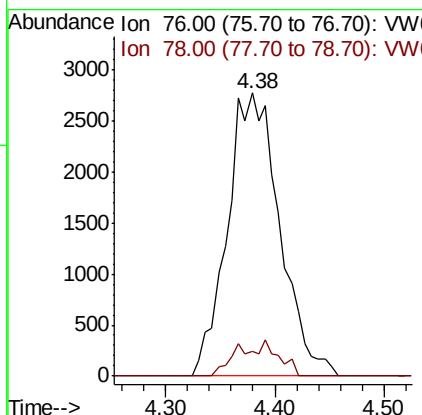
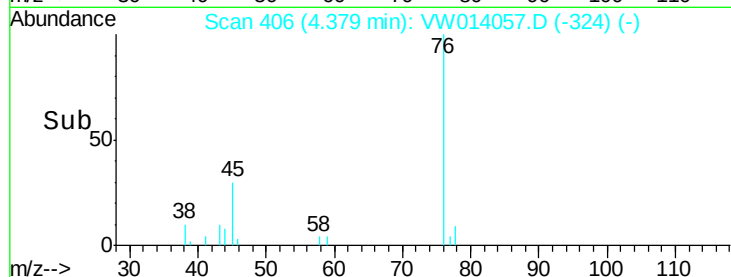
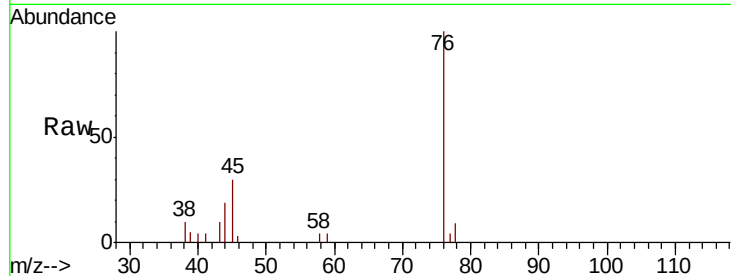
#14
Carbon disulfide
Concen: 0.524 ug/L m
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW014057.D
Acq: 18 Nov 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
GAQF3MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

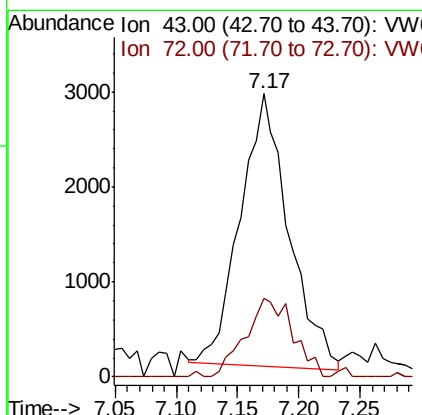
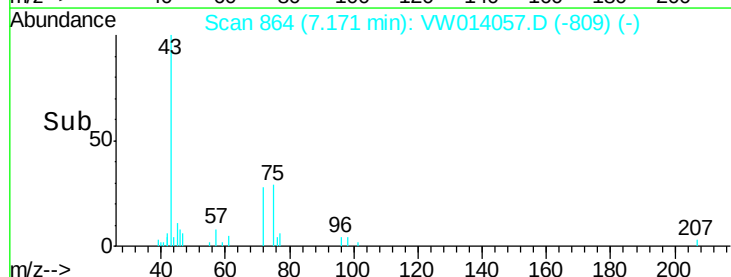
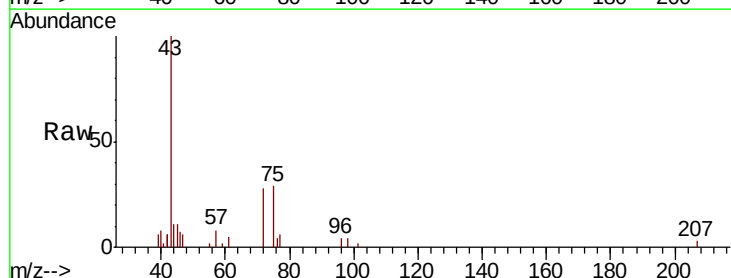
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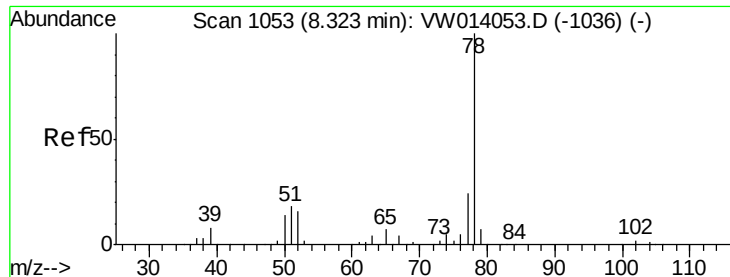
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#21
2-Butanone
Concen: 3.570 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014057.D
Acq: 18 Nov 2019 12:34

Tgt 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

Instrument :

MSVOA_W

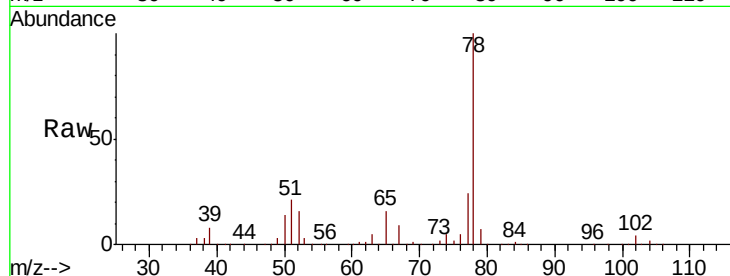
ClientSampleId :

GAQF3MS

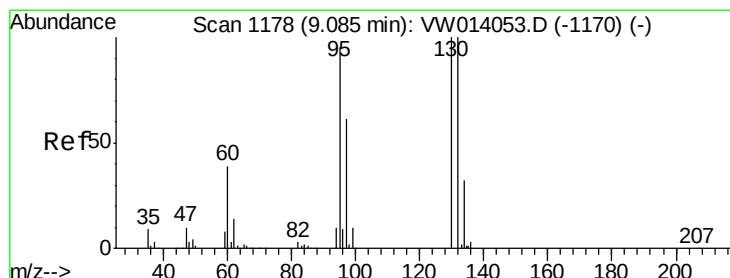
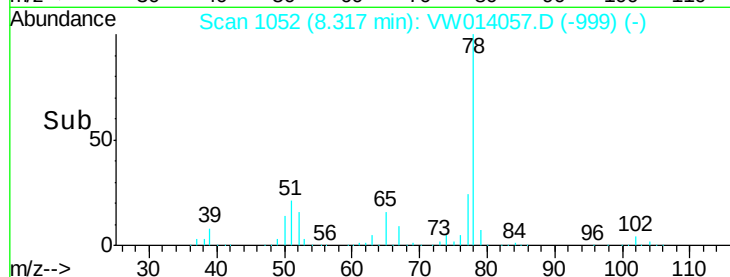
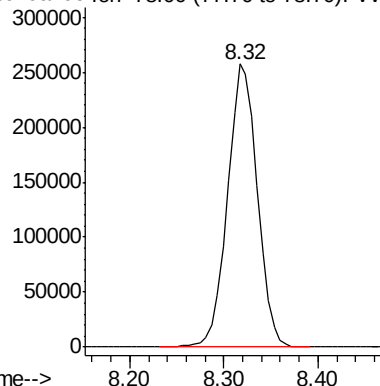
Tgt Ion: 78 Resp: 571749

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Abundance Ion 78.00 (77.70 to 78.70): VW



#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

Tgt Ion: 95 Resp: 135406

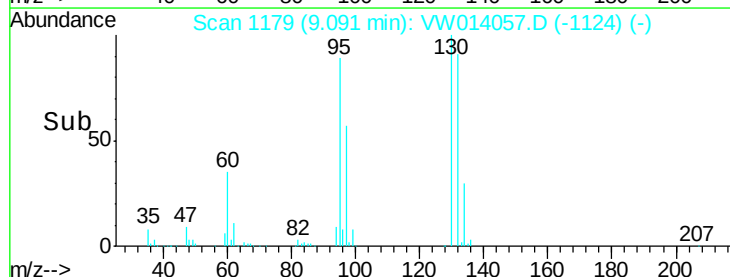
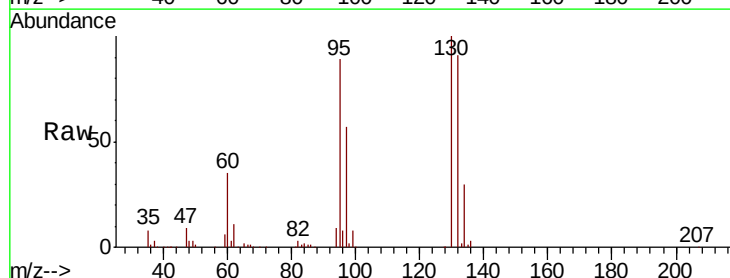
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.1	83.9
132	103.9	73.7	136.9
130	110.7	76.6	142.2

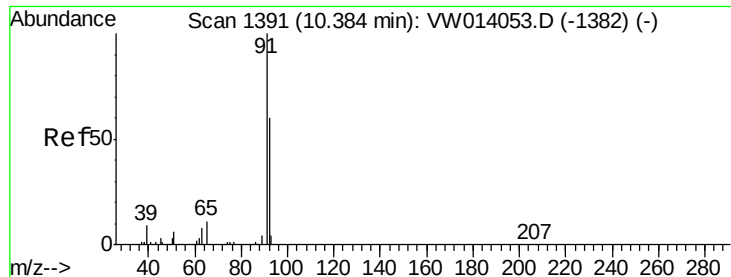
Abundance Ion 95.00 (94.70 to 95.70): VW

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





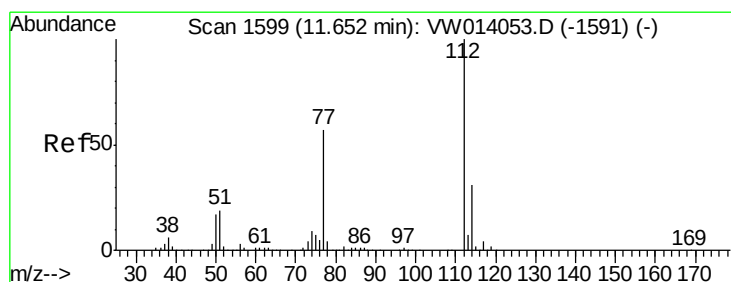
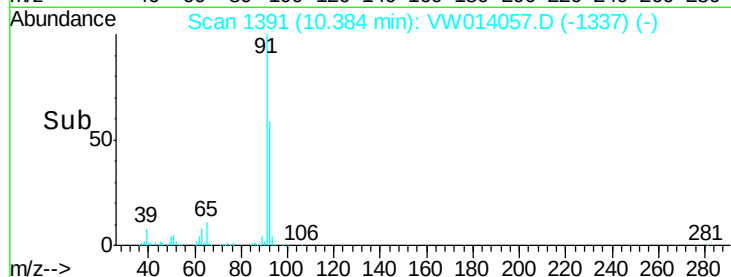
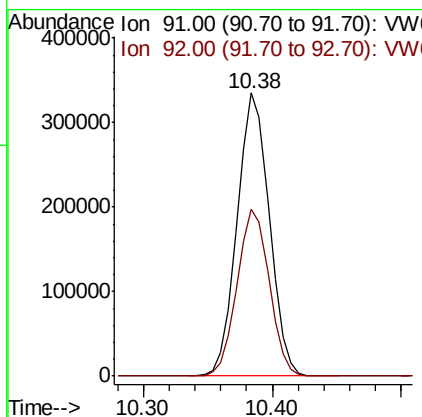
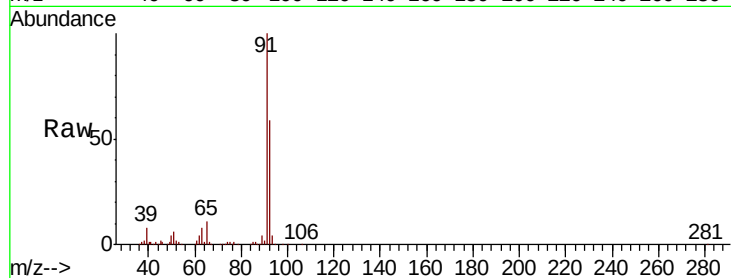
#44
Toluene
Concen: 23.639 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014057.D
Acq: 18 Nov 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
GAQF3MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	580640		
92	92	59.0		40.7	75.7

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#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

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
112	112	100	317778		
77	77	56.9		42.2	63.4
114	114	31.9		22.5	41.9

