

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103019\
 Data File : VW013846.D
 Acq On : 30 Oct 2019 19:04
 Operator : SY/VA
 Sample : K5596-08
 Misc : 8.52G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQA9

Quant Time: Oct 31 05:33:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 05:29:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	314382	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	313518	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	170676	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	82939	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.00%
7) Chloroethane-d5	2.89	69	67775	18.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.28%
10) 1,1-Dichloroethene-d2	4.02	63	128191	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	7.08	46	62492	45.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.60%
24) Chloroform-d	7.65	84	189454	21.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.16%
26) 1,2-Dichloroethane-d4	8.31	65	107672	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.64%
29) Benzene-d6	8.27	84	397669	21.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.44%
33) 1,2-Dichloropropane-d6	9.27	67	123925	22.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.12%
37) Toluene-d8	10.32	98	365420	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.12%
38) trans-1,3-Dichloropropene-	10.58	79	53467	21.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.28%
39) 2-Hexanone-d5	10.92	63	53507	49.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110310	23.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	134208	22.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.00%

Target Compounds

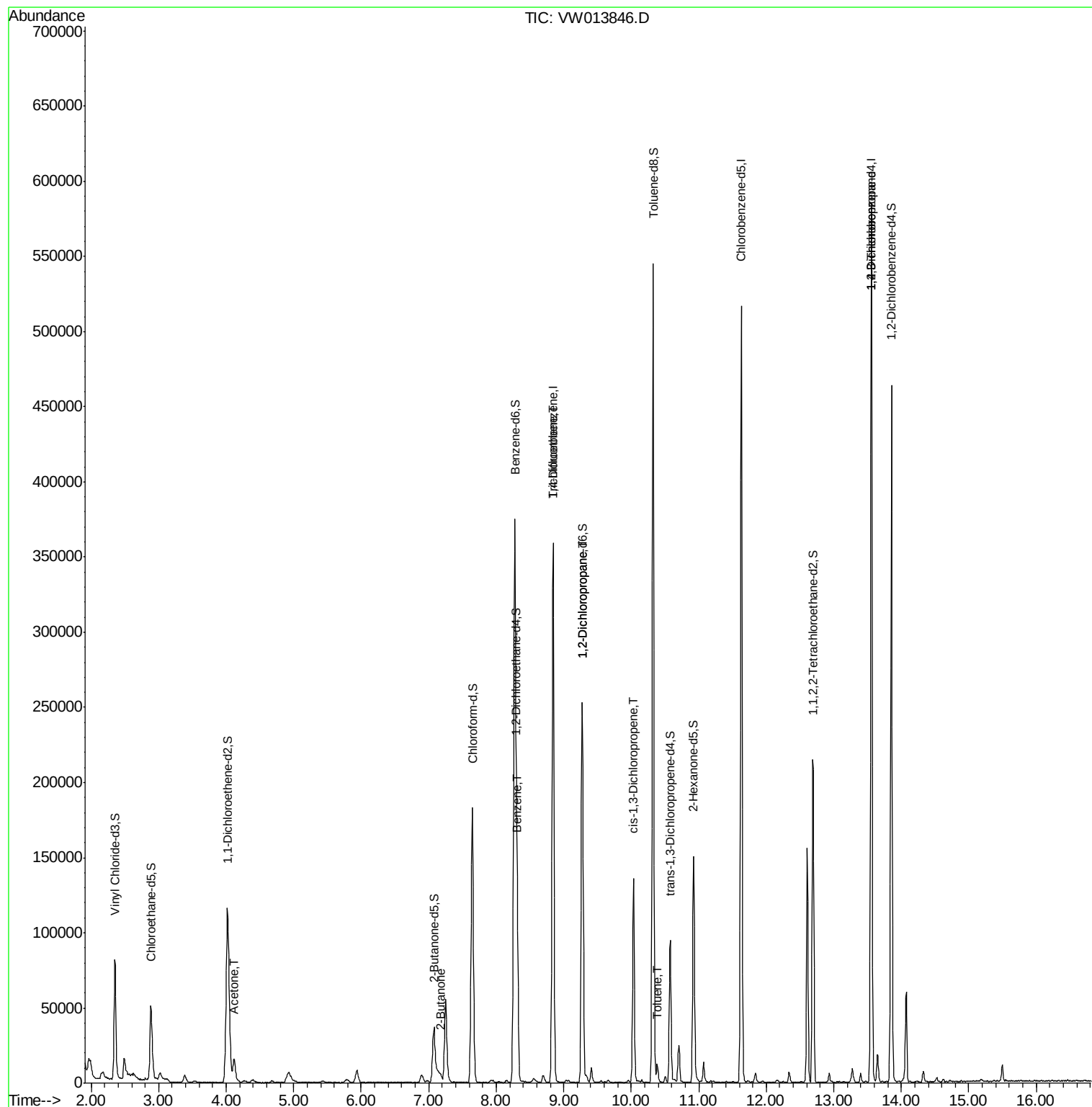
					Ovalue
13) Acetone	4.12	43	27007	17.638 ug/L	97
21) 2-Butanone	7.18	43	5771	2.968 ug/L	86
34) Benzene	8.32	78	8620	0.383 ug/L	100
35) Trichloroethene	8.84	95	8785	1.522 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	12674	2.304 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	3193	0.368 ug/L #	71
44) Toluene	10.38	91	8911	0.369 ug/L	93
59) 1,2,3-Trichloropropane	13.55	75	17409	4.695 ug/L	95

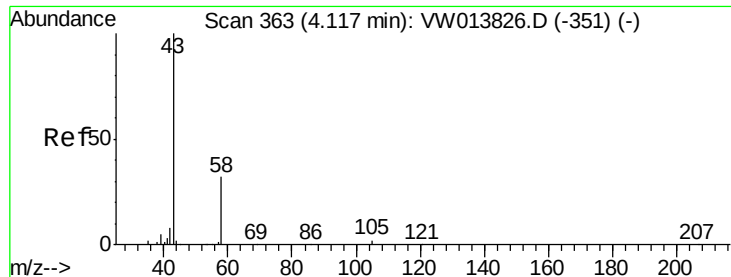
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 17.638 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013846.D

Acq: 30 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampled :

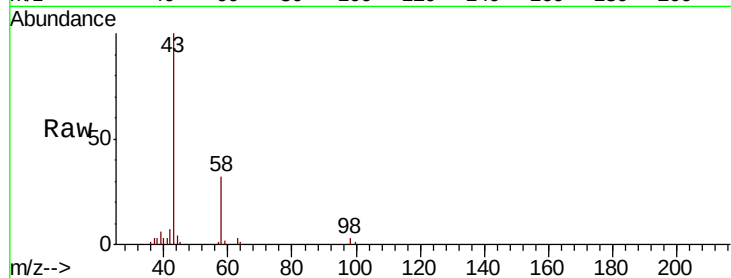
GAQA9

Tot Ion: 43 Resp: 27007

Ion Ratio Lower Upper

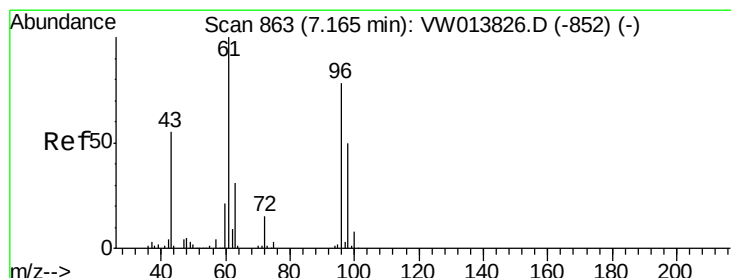
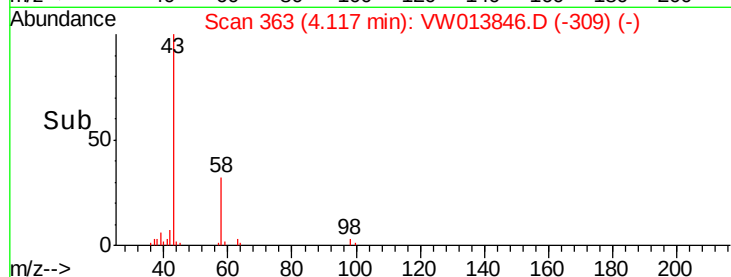
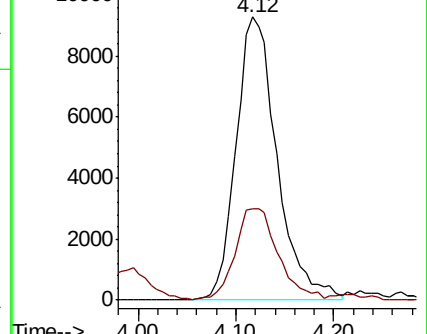
43 100

58 33.6 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 2.968 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013846.D

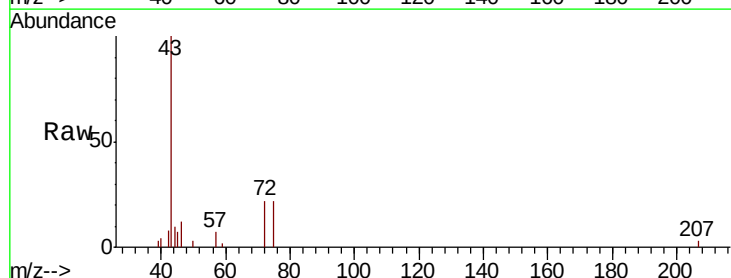
Acq: 30 Oct 2019 19:04

Tgt Ion: 43 Resp: 5771

Ion Ratio Lower Upper

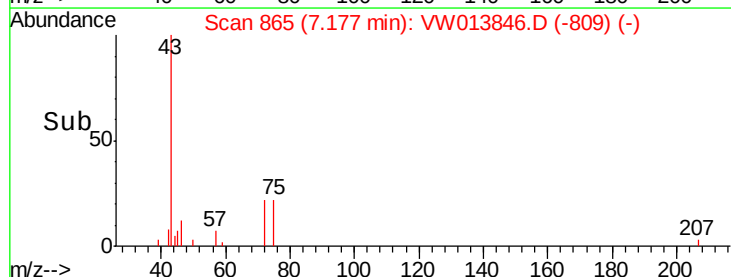
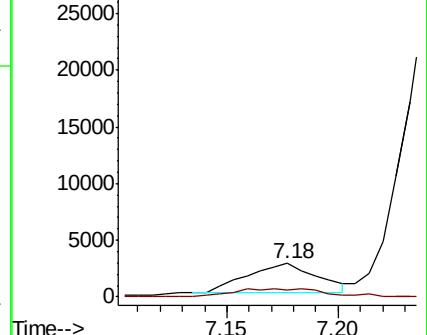
43 100

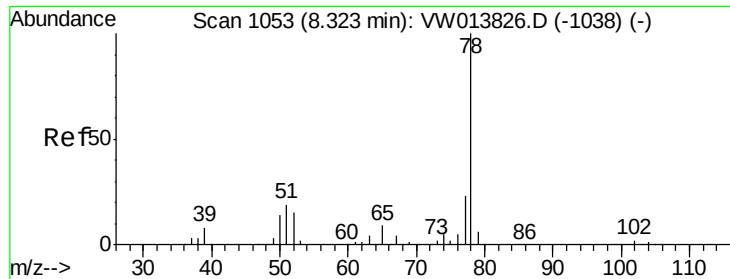
72 34.4 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#34

Benzene

Concen: 0.383 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW013846.D

Acq: 30 Oct 2019 19:04

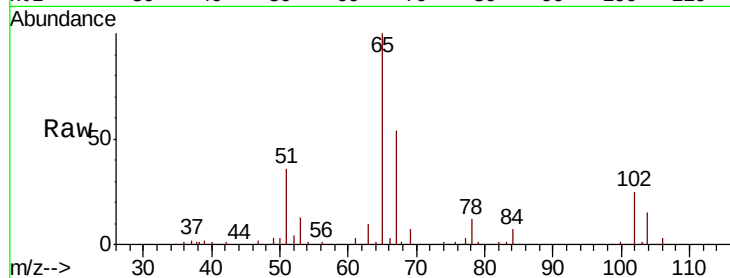
Instrument :

MSVOA_W

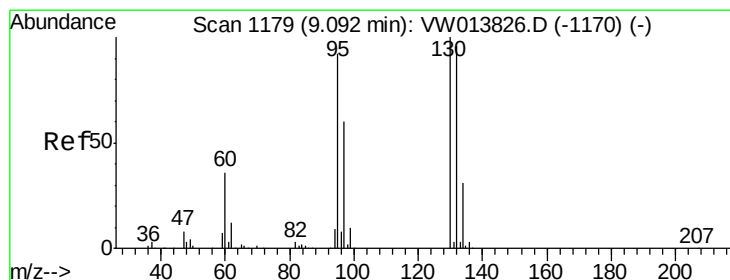
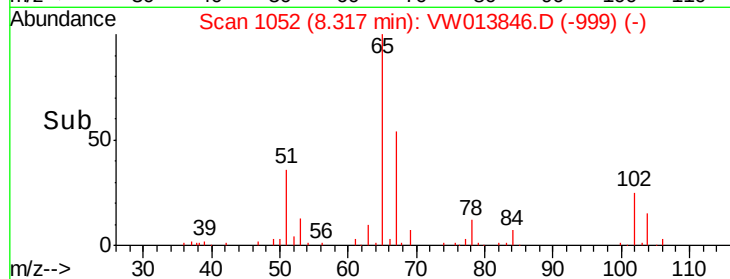
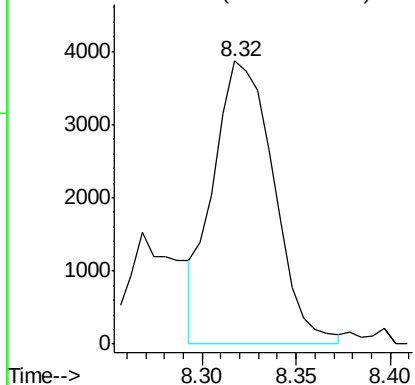
ClientSampled :

GAQA9

Tgt Ion: 78 Resp: 8620



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 1.522 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW013846.D

Acq: 30 Oct 2019 19:04

Tgt Ion: 95 Resp: 8785

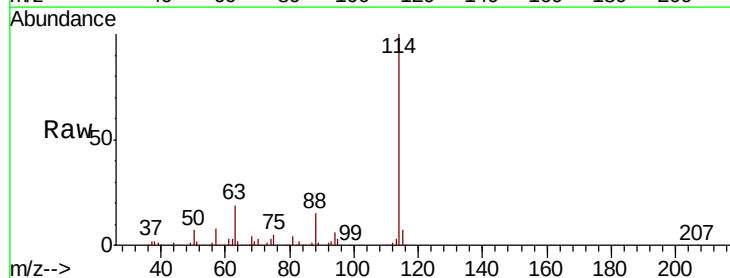
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 74.3 138.1#

130 0.0 76.6 142.3#

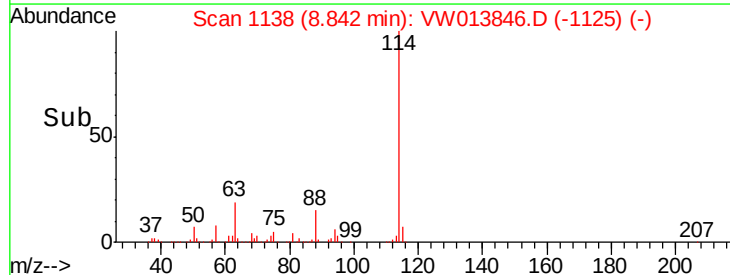
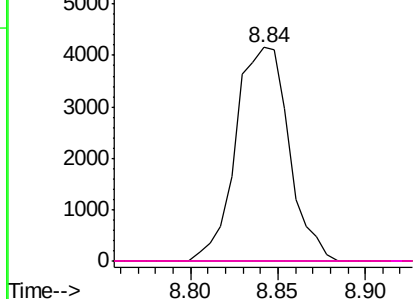


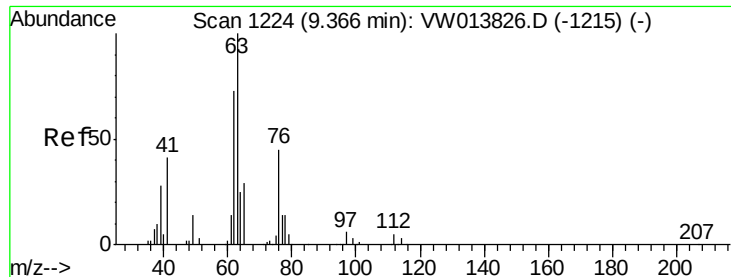
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#40

1,2-Dichloropropane

Concen: 2.304 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW013846.D

Acq: 30 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

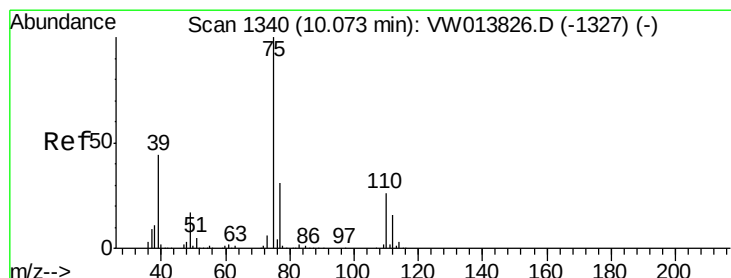
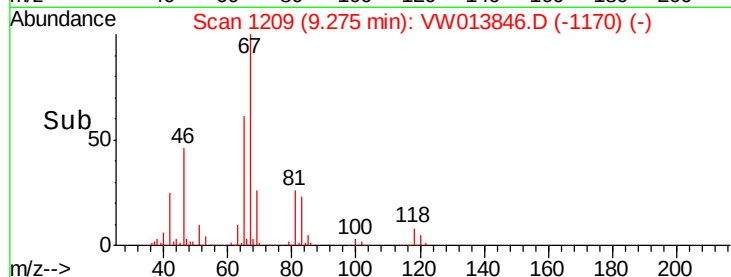
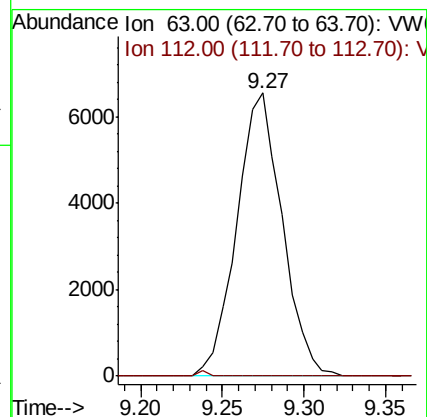
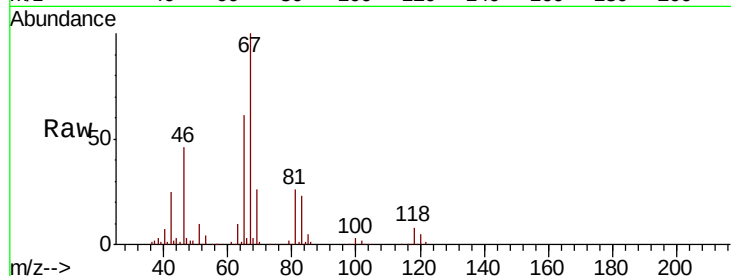
GAQA9

Tot Ion: 63 Resp: 12674

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#42

cis-1,3-Dichloropropene

Concen: 0.368 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW013846.D

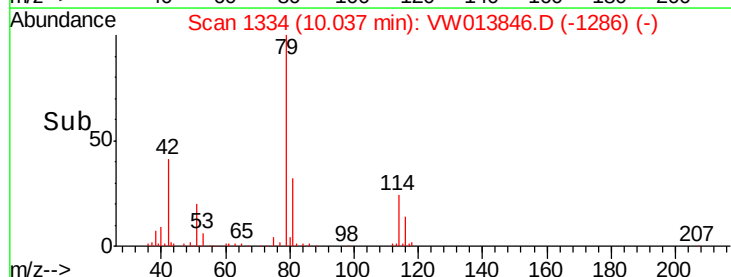
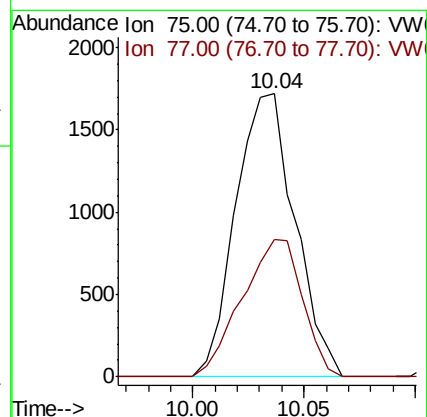
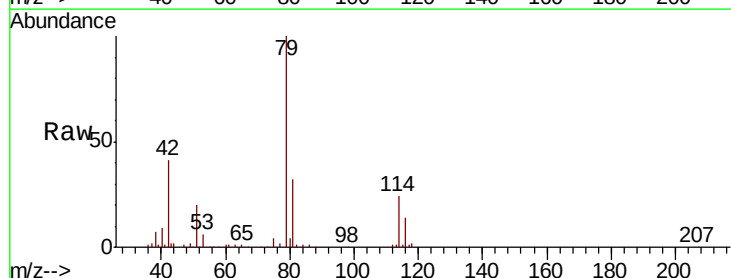
Acq: 30 Oct 2019 19:04

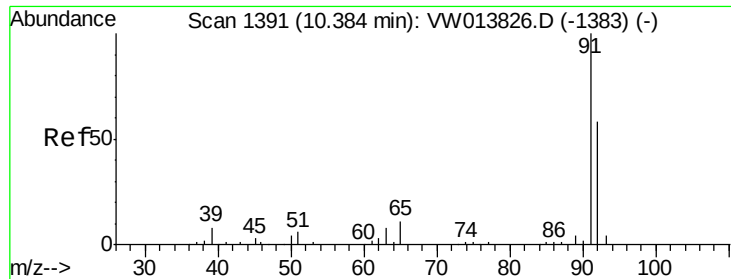
Tgt Ion: 75 Resp: 3193

Ion Ratio Lower Upper

75 100

77 48.3 22.5 41.9#





#44

Toluene

Concen: 0.369 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013846.D

Acq: 30 Oct 2019 19:04

Instrument :

MSVOA_W

ClientSampled :

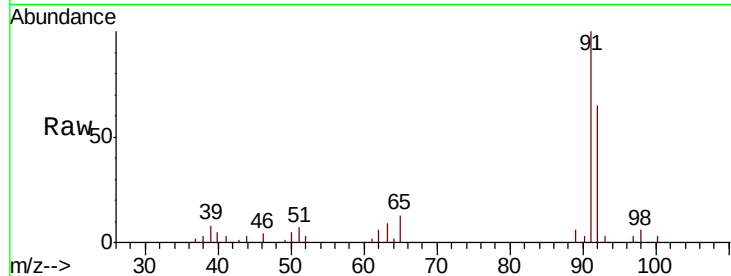
GAQA9

Tot Ion: 91 Resp: 8911

Ion Ratio Lower Upper

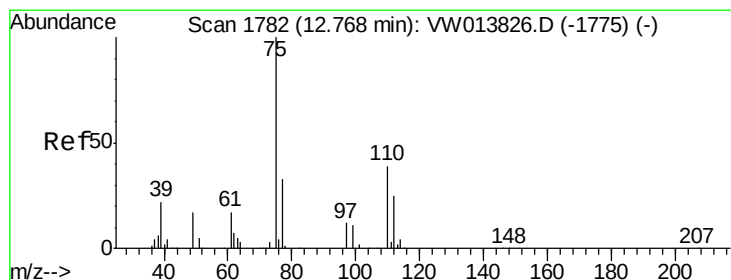
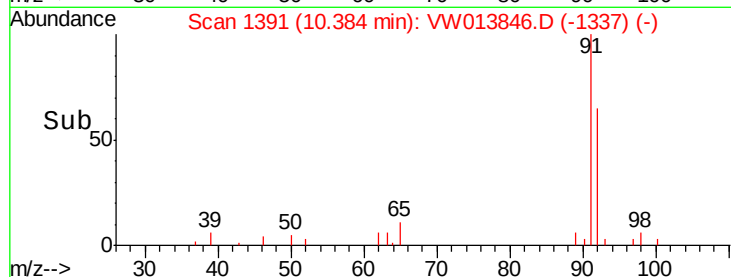
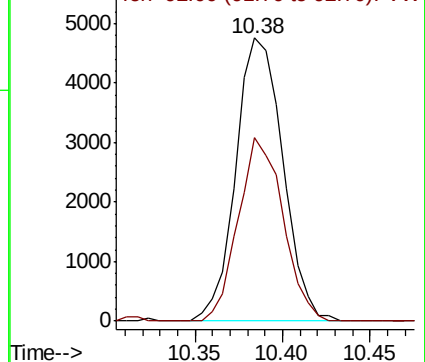
91 100

92 65.0 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#59

1,2,3-Trichloropropane

Concen: 4.695 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013846.D

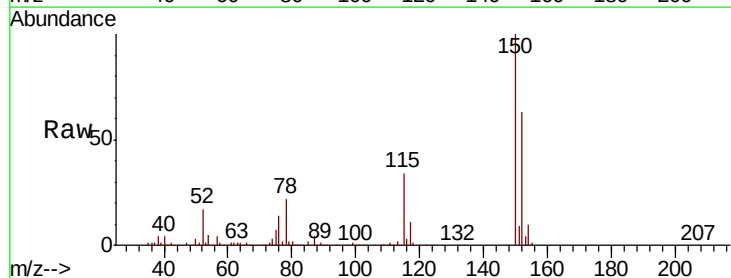
Acq: 30 Oct 2019 19:04

Tgt Ion: 75 Resp: 17409

Ion Ratio Lower Upper

75 100

77 36.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

