

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013874.D
 Acq On : 31 Oct 2019 22:35
 Operator : SY/VA
 Sample : K5552-09
 Misc : 6.66G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQC2

Quant Time: Nov 01 05:41:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 02:10:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	268516	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267113	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141260	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112791	27.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.36%
7) Chloroethane-d5	2.89	69	86861	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.64%
10) 1,1-Dichloroethene-d2	4.02	63	162467	19.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.44%
20) 2-Butanone-d5	7.07	46	62900	43.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.56%
24) Chloroform-d	7.65	84	225948	27.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	8.31	65	123031	27.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.12%
29) Benzene-d6	8.27	84	478149	27.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.52%
33) 1,2-Dichloropropane-d6	9.27	67	146473	28.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.96%
37) Toluene-d8	10.32	98	446947	27.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.04%
38) trans-1,3-Dichloropropene-	10.58	79	60051	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.24%
39) 2-Hexanone-d5	10.92	63	54797	45.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116148	24.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	155652	28.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.44%

Target Compounds

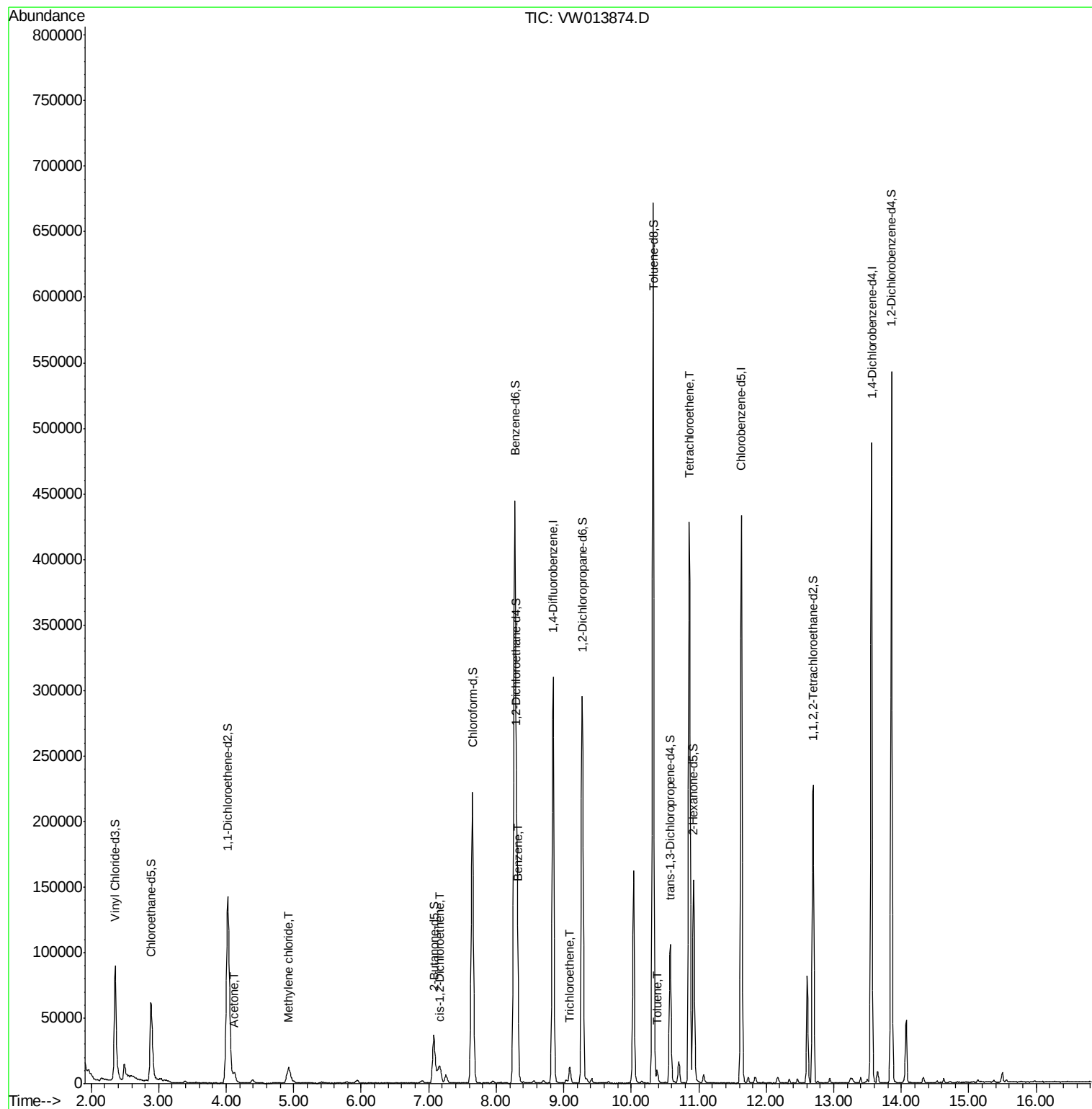
					Qvalue
13) Acetone	4.12	43	12209	9.080 ug/L	74
16) Methylene chloride	4.92	84	11028	2.101 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	5366	1.077 ug/L	88
34) Benzene	8.32	78	10229	0.552 ug/L	100
35) Trichloroethene	9.09	95	4101	0.839 ug/L	95
44) Toluene	10.38	91	7327	0.366 ug/L	91
47) Tetrachloroethene	10.86	164	109084	24.846 ug/L	98

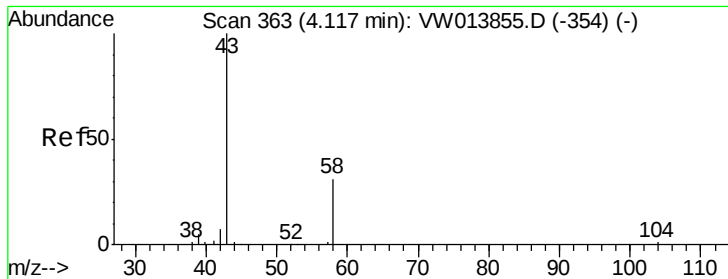
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 01 02:10:29 2019
Response via : Initial Calibration





#13

Acetone

Concen: 9.080 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 31 Oct 2019 22:35

Instrument :

MSVOA_W

ClientSampleId :

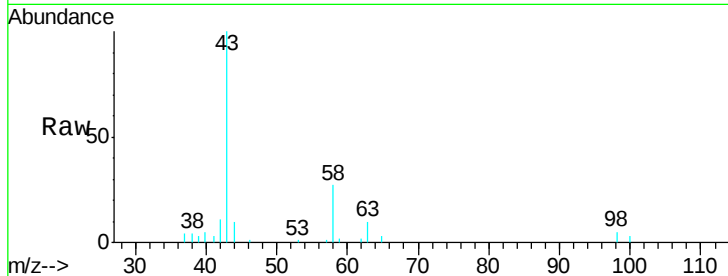
GAQC2

Tgt Ion: 43 Resp: 12209

Ion Ratio Lower Upper

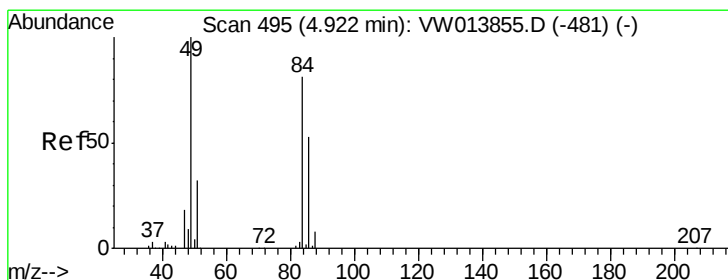
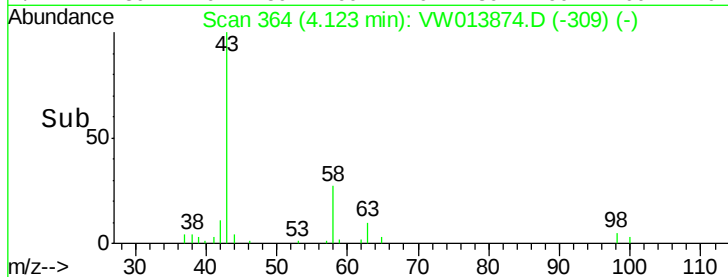
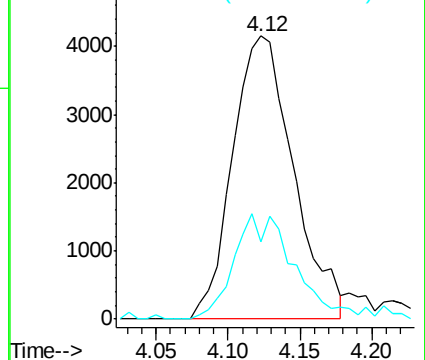
43 100

58 17.4 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.101 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW013874.D

Acq: 31 Oct 2019 22:35

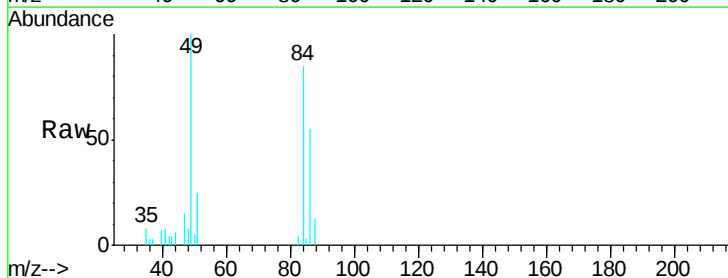
Tgt Ion: 84 Resp: 11028

Ion Ratio Lower Upper

84 100

49 118.0 82.2 152.6

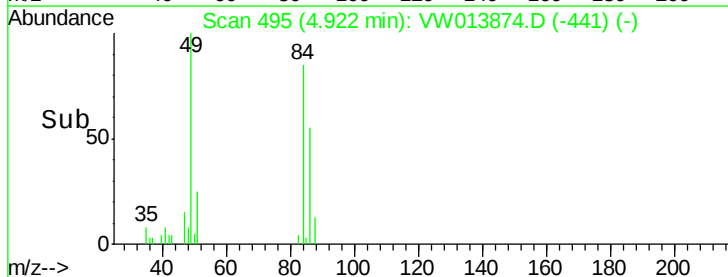
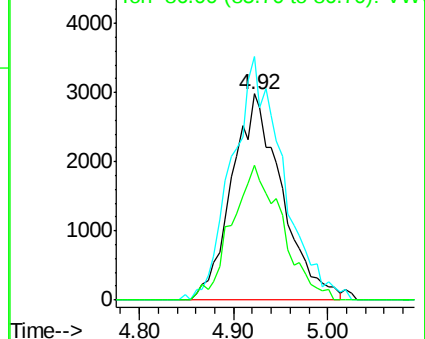
86 65.3 45.6 84.8

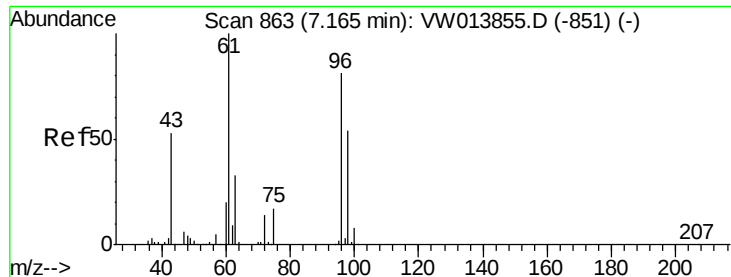


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#22

cis-1,2-Dichloroethene

Concen: 1.077 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013874.D

Acq: 31 Oct 2019 22:35

Instrument :

MSVOA_W

ClientSampled :

GAQC2

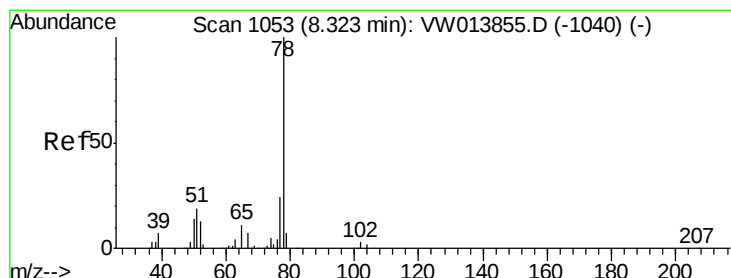
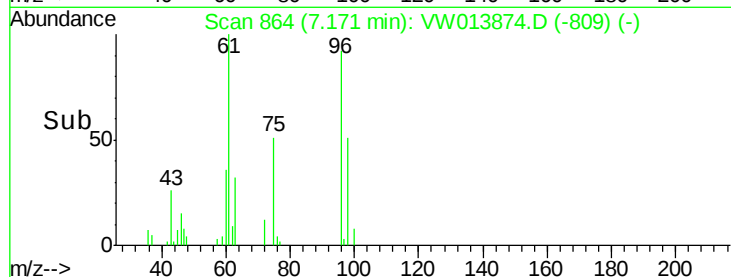
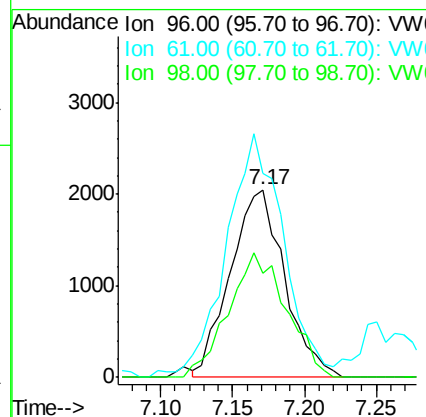
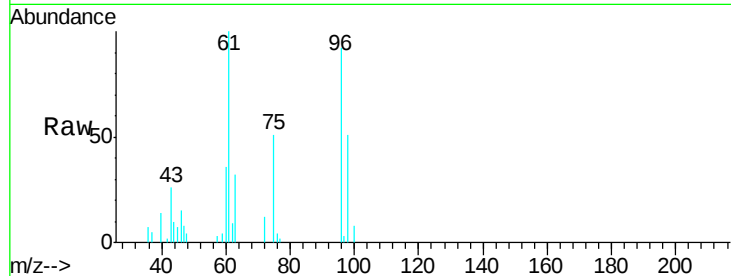
Tgt Ion: 96 Resp: 5366

Ion Ratio Lower Upper

96 100

61 108.8 86.6 160.8

98 55.5 44.5 82.7



#34

Benzene

Concen: 0.552 ug/L

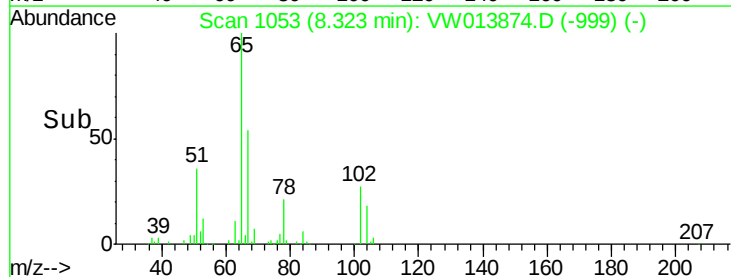
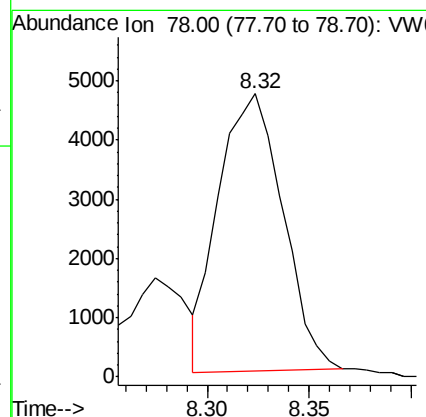
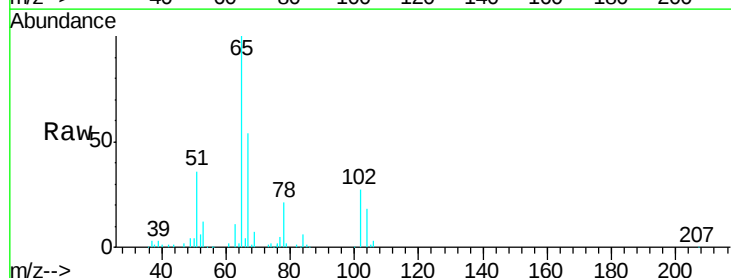
RT: 8.32 min Scan# 1053

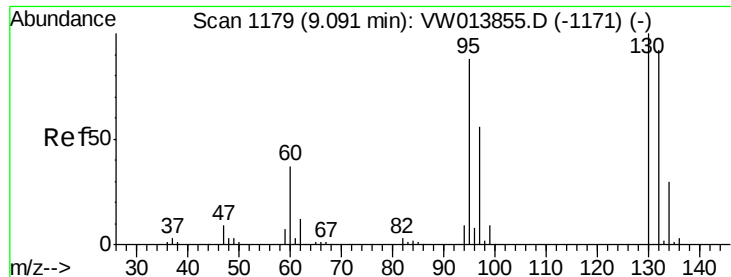
Delta R.T. 0.00 min

Lab File: VW013874.D

Acq: 31 Oct 2019 22:35

Tgt Ion: 78 Resp: 10229





#35

Trichloroethene

Concen: 0.839 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013874.D

Acq: 31 Oct 2019 22:35

Instrument :

MSVOA_W

ClientSampleId :

GAQC2

Tgt Ion: 95 Resp: 4101

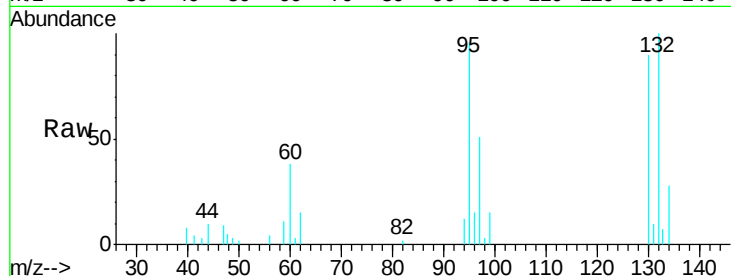
Ion Ratio Lower Upper

95 100

97 58.3 45.0 83.6

132 102.0 72.4 134.4

130 103.4 76.6 142.3

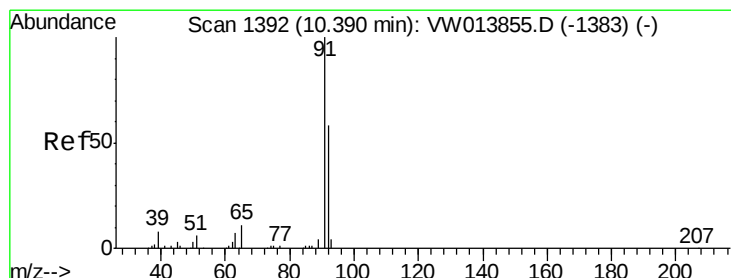
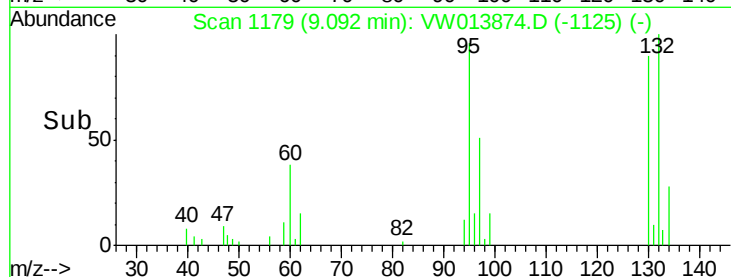
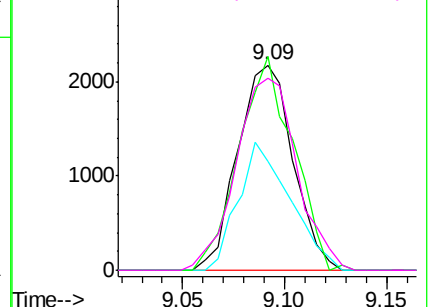


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#44

Toluene

Concen: 0.366 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013874.D

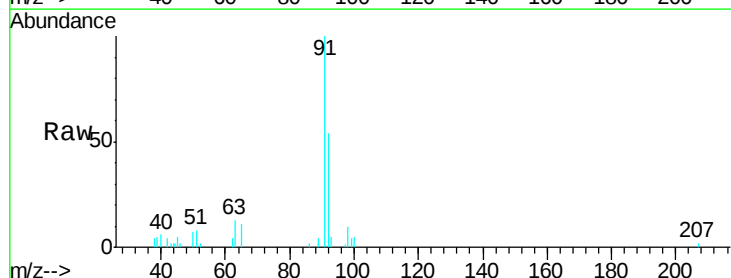
Acq: 31 Oct 2019 22:35

Tgt Ion: 91 Resp: 7327

Ion Ratio Lower Upper

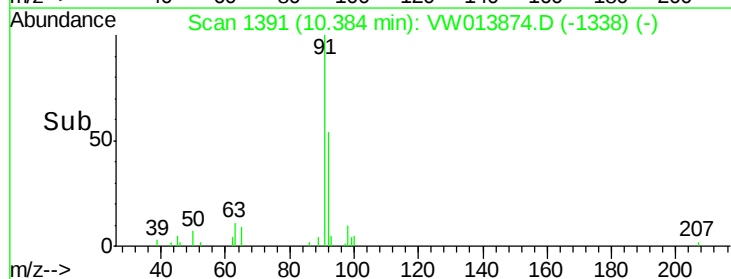
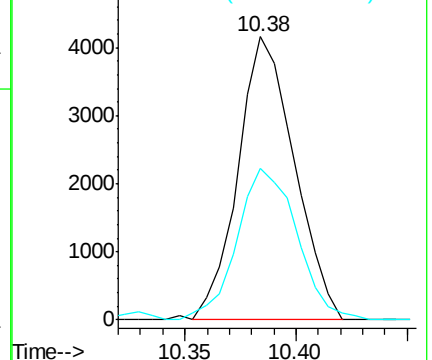
91 100

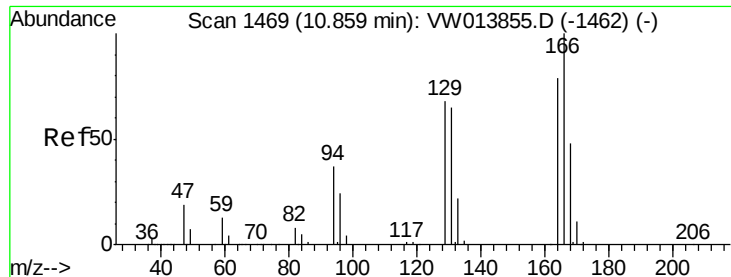
92 53.5 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 24.846 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013874.D

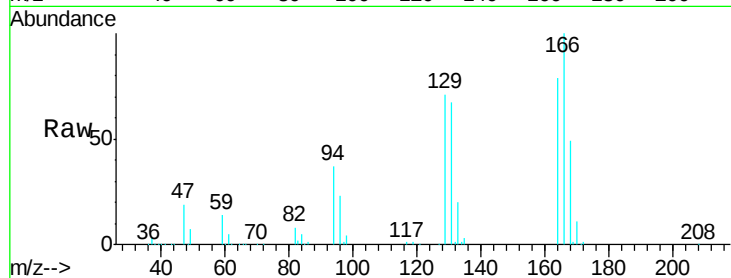
Acq: 31 Oct 2019 22:35

Instrument :

MSVOA_W

ClientSampleId :

GAQC2



Tgt Ion:164 Resp: 109084

Ion Ratio Lower Upper

164 100

129 90.3 62.5 116.1

131 85.5 59.8 111.0

166 126.8 91.6 170.0

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

