

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014640.D
 Acq On : 14 Jan 2020 18:26
 Operator : SY/VA
 Sample : L1109-01
 Misc : 5.03G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 15 01:52:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 01:48:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1217780	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1020528	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	374388	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	397360	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.60%
7) Chloroethane-d5	2.89	69	307170	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
10) 1,1-Dichloroethene-d2	4.01	63	561366	17.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.52%
20) 2-Butanone-d5	7.07	46	169290	41.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.88%
24) Chloroform-d	7.65	84	680946	24.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	8.30	65	342654	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.28%
29) Benzene-d6	8.27	84	1472097	27.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.52%
33) 1,2-Dichloropropane-d6	9.27	67	442725	27.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.52%
37) Toluene-d8	10.32	98	1309534	26.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.48%
38) trans-1,3-Dichloropropene-	10.58	79	160286	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.12%
39) 2-Hexanone-d5	10.92	63	131482	47.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	282710	23.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	321719	26.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.32%

Target Compounds

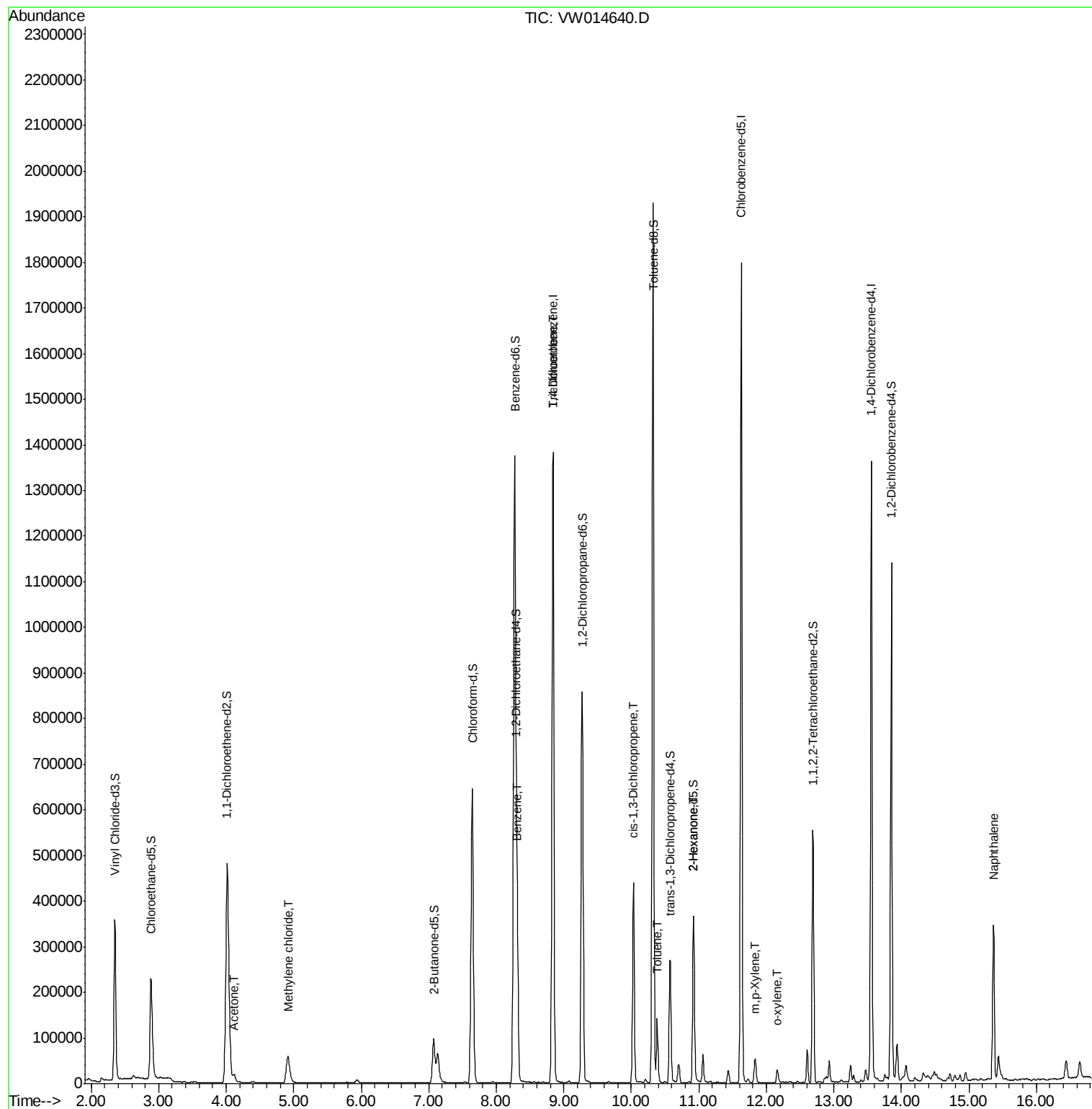
					Ovalue
13) Acetone	4.12	43	23848	4.217 ug/L	94
16) Methylene chloride	4.92	84	52574	2.648 ug/L	96
34) Benzene	8.32	78	43961	0.716 ug/L	100
35) Trichloroethene	8.84	95	34585	2.182 ug/L #	4
42) cis-1,3-Dichloropropene	10.03	75	10128	0.436 ug/L #	71
44) Toluene	10.38	91	103071	1.606 ug/L	95
49) 2-Hexanone	10.92	43	15761	2.313 ug/L #	66
54) m,p-Xylene	11.83	106	16582	0.621 ug/L	88
55) o-xylene	12.16	106	7184	0.285 ug/L	80
69) Naphthalene	15.36	128	302071	13.293 ug/L	100

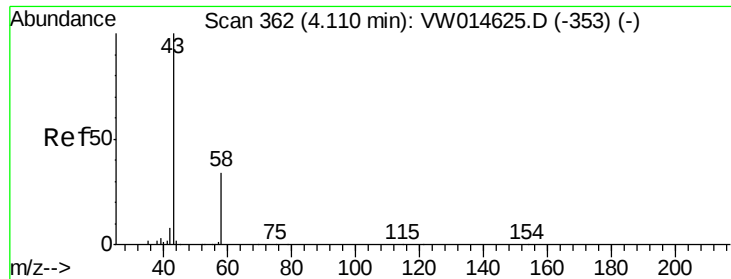
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 01:52:17 2020
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Quant Title : VOC Analysis
QLast Update : Wed Jan 15 01:48:42 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.217 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014640.D

Acq: 14 Jan 2020 18:26

Instrument :

MSVOA_W

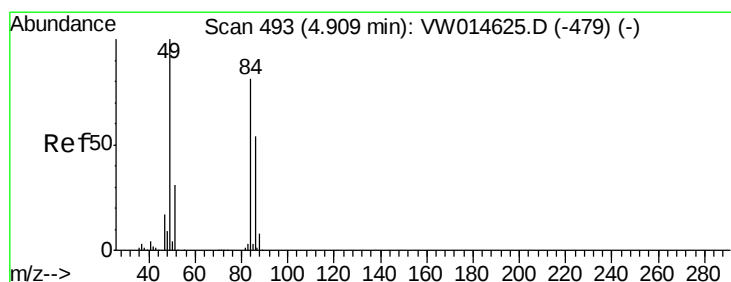
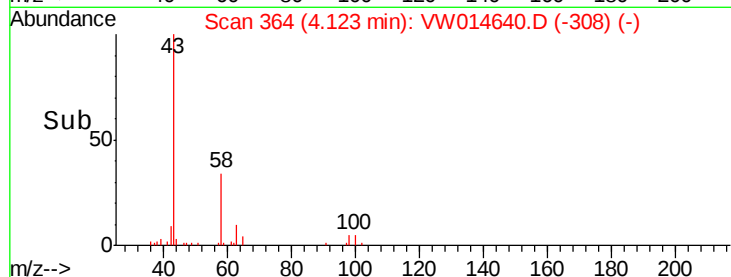
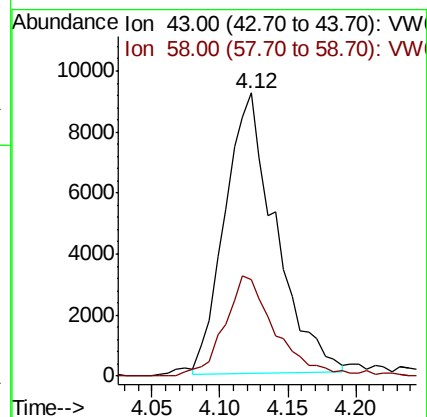
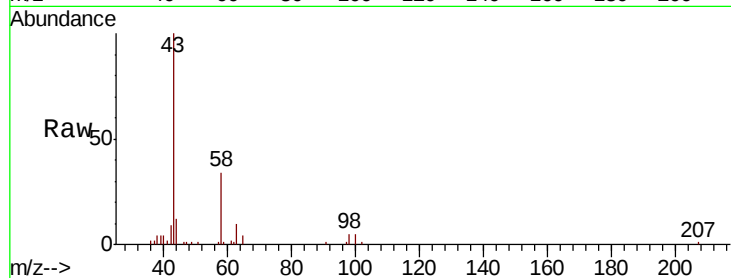
ClientSampled :

Tot Ion: 43 Resp: 23848

Ion Ratio Lower Upper

43 100

58 35.3 0.0 64.0



#16

Methylene chloride

Concen: 2.648 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014640.D

Acq: 14 Jan 2020 18:26

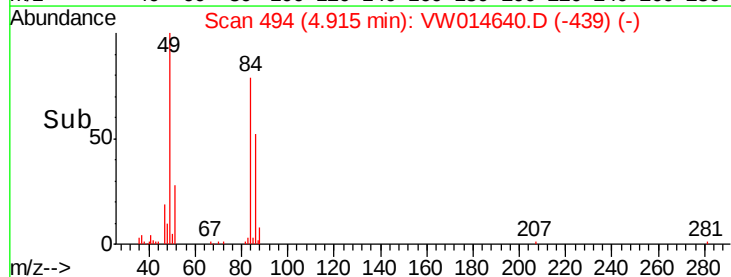
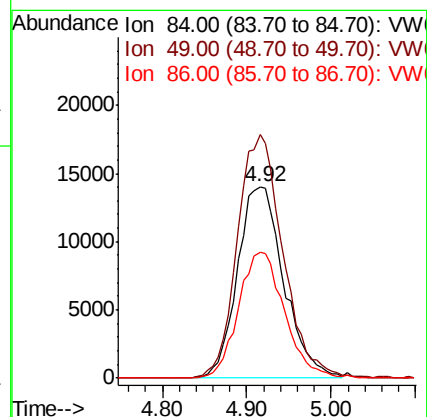
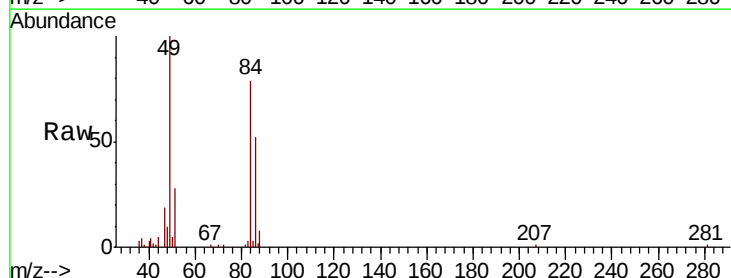
Tgt Ion: 84 Resp: 52574

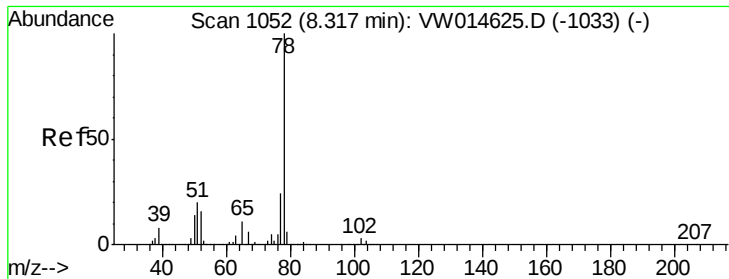
Ion Ratio Lower Upper

84 100

49 127.3 85.8 159.4

86 65.6 44.5 82.7





#34

Benzene

Concen: 0.716 ug/L

RT: 8.32 min Scan# 1052

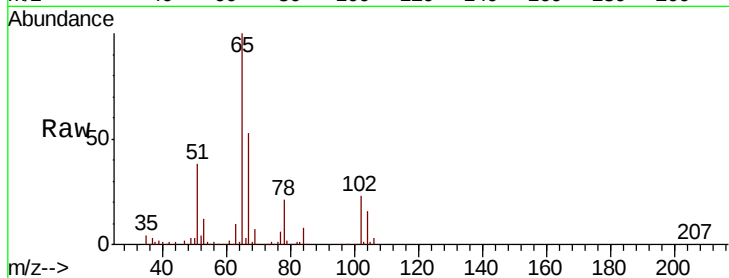
Delta R.T. 0.00 min

Lab File: VW014640.D

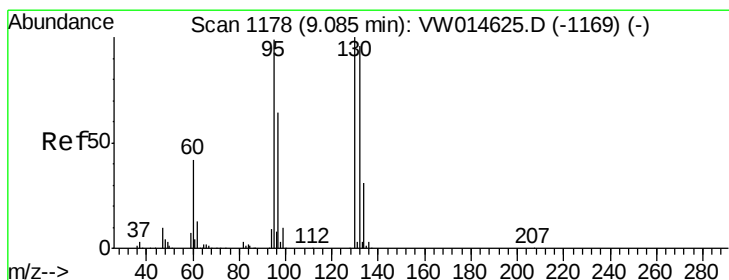
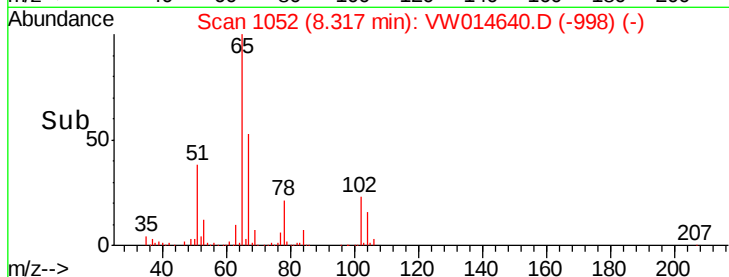
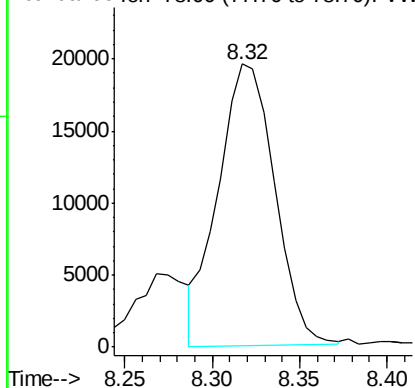
Acq: 14 Jan 2020 18:26

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 43961



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.182 ug/L

RT: 8.84 min Scan# 1137

Delta R.T. -0.25 min

Lab File: VW014640.D

Acq: 14 Jan 2020 18:26

Tgt Ion: 95 Resp: 34585

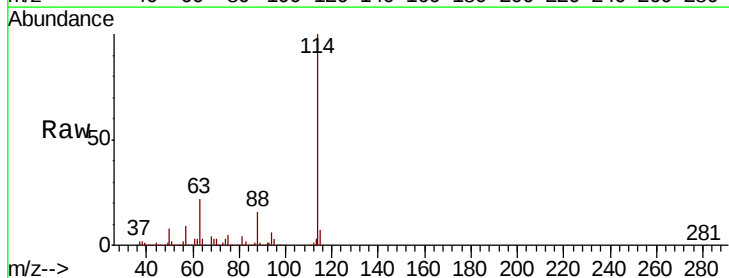
Ion Ratio Lower Upper

95 100

97 0.3 44.3 82.3#

132 0.0 69.2 128.6#

130 0.0 72.3 134.3#

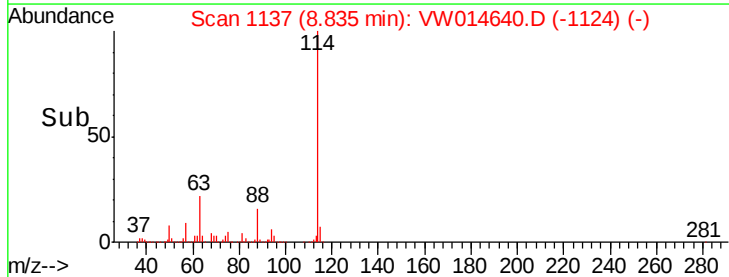
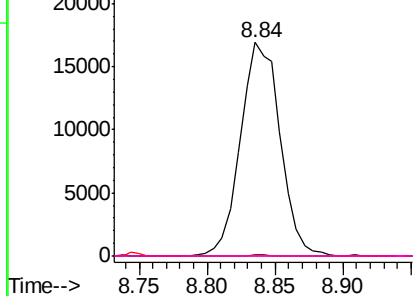


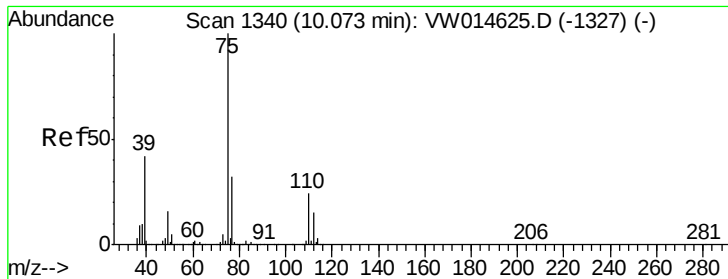
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#42

cis-1,3-Dichloropropene

Concen: 0.436 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014640.D

Acq: 14 Jan 2020 18:26

Instrument :

MSVOA_W

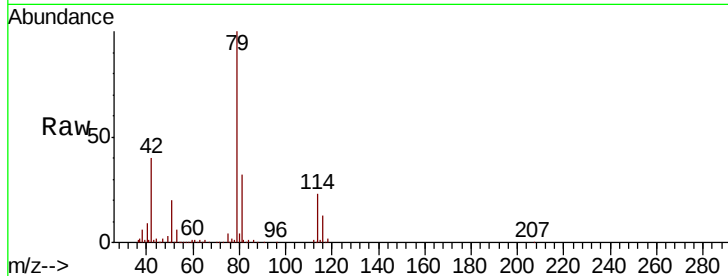
ClientSampleId :

Tot Ion: 75 Resp: 10128

Ion Ratio Lower Upper

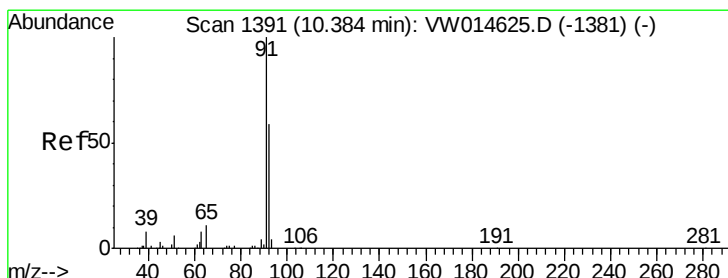
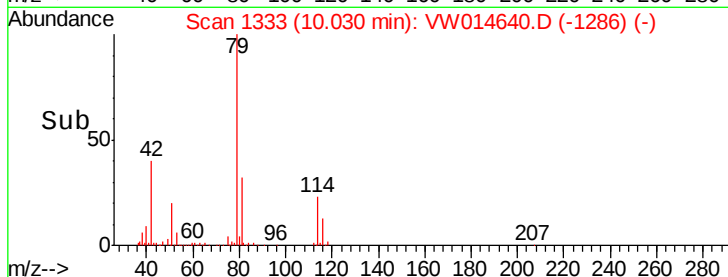
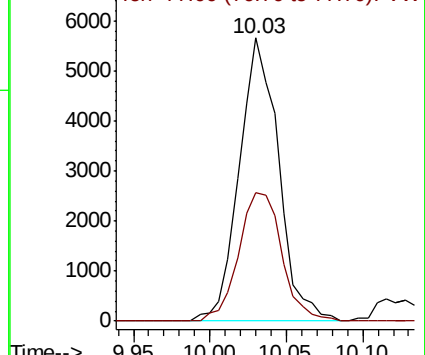
75 100

77 45.5 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 1.606 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014640.D

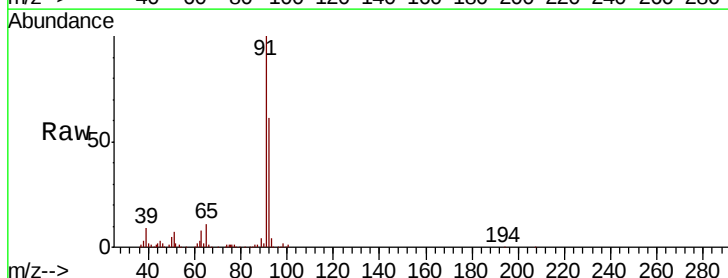
Acq: 14 Jan 2020 18:26

Tgt Ion: 91 Resp: 103071

Ion Ratio Lower Upper

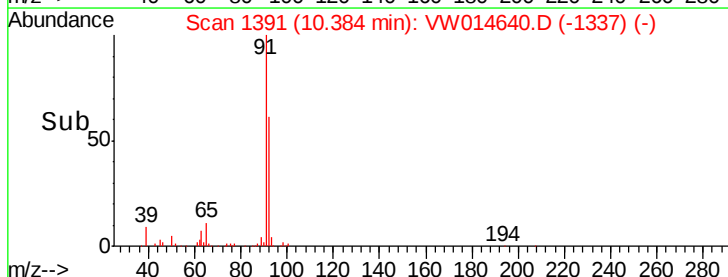
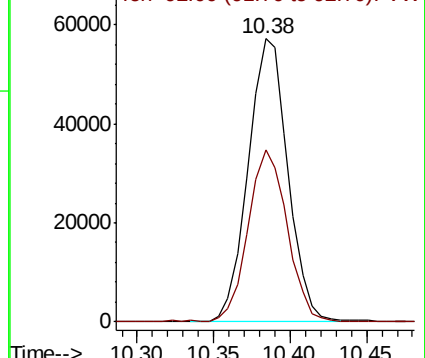
91 100

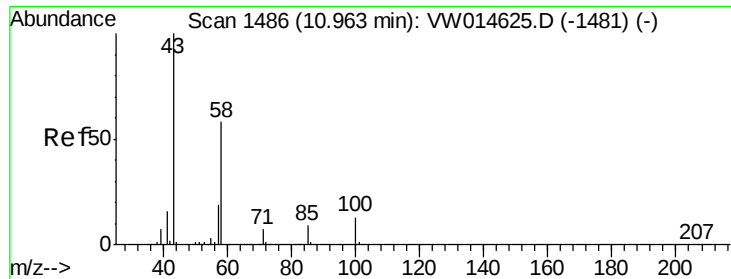
92 60.9 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

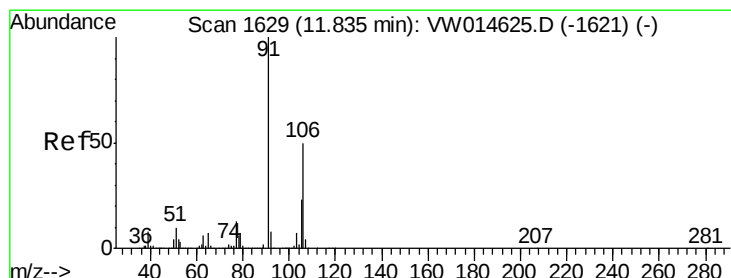
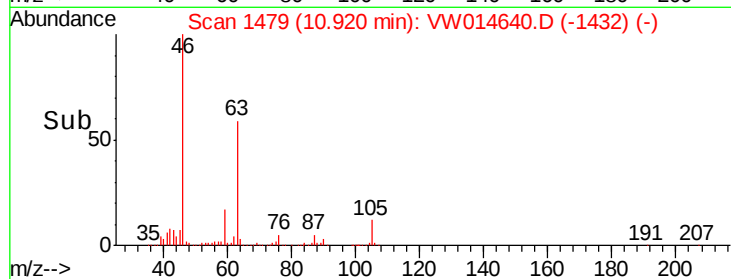
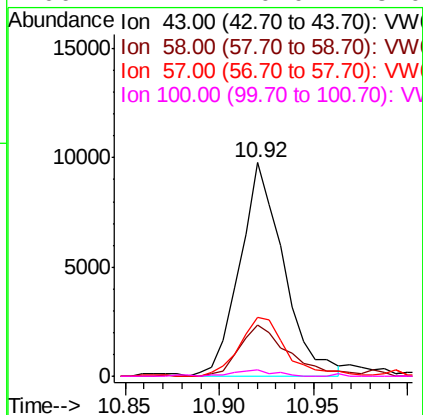
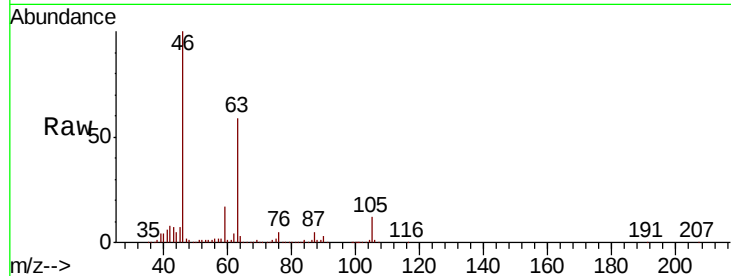




#49
2-Hexanone
Concen: 2.313 ug/L
RT: 10.92 min Scan# 1479
Delta R.T. -0.04 min
Lab File: VW014640.D
Acq: 14 Jan 2020 18:26

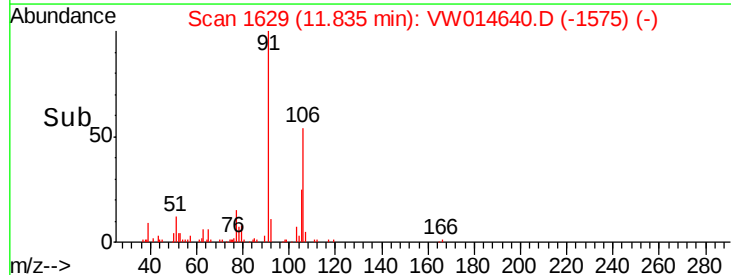
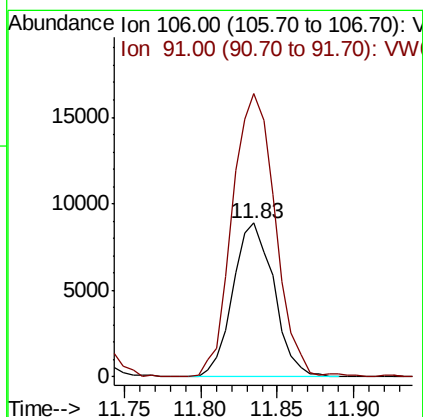
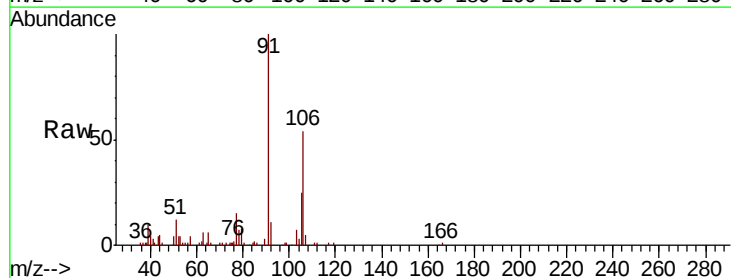
Instrument :
MSVOA_W
ClientSampleId :

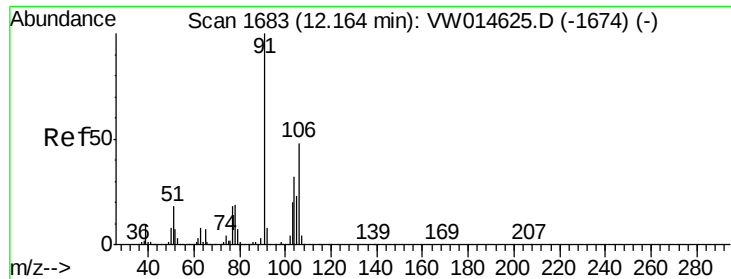
Tot Ion	43	Resp	15761
Ion Ratio	Lower	Upper	
43	100		
58	26.9	44.9	67.3#
57	29.6	15.3	22.9#
100	2.2	10.0	15.0#



#54
m,p-Xylene
Concen: 0.621 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014640.D
Acq: 14 Jan 2020 18:26

Tgt Ion	106	Resp	16582
Ion Ratio	Lower	Upper	
106	100		
91	184.4	142.2	264.0





#55

o-xylene

Concen: 0.285 ug/L

RT: 12.16 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW014640.D

Acq: 14 Jan 2020 18:26

Instrument :

MSVOA_W

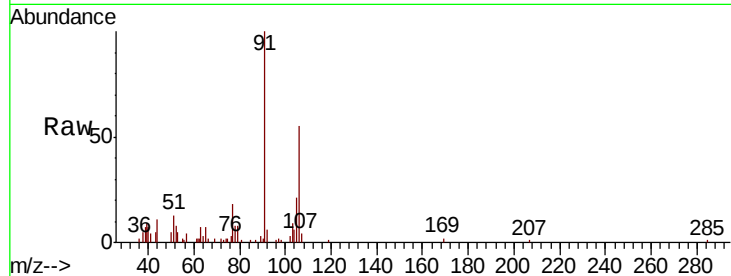
ClientSampled :

Tot Ion:106 Resp: 7184

Ion Ratio Lower Upper

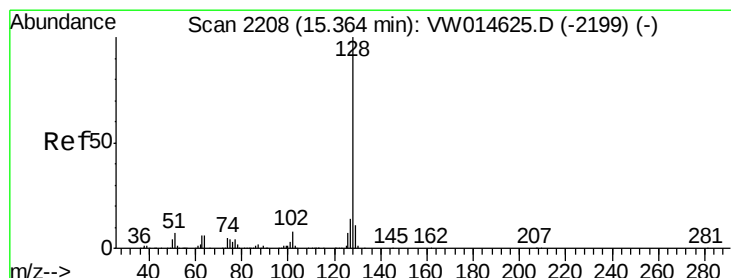
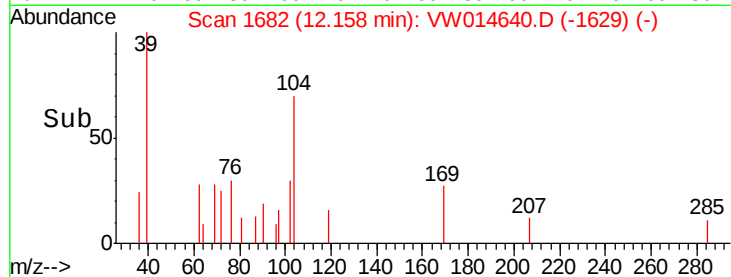
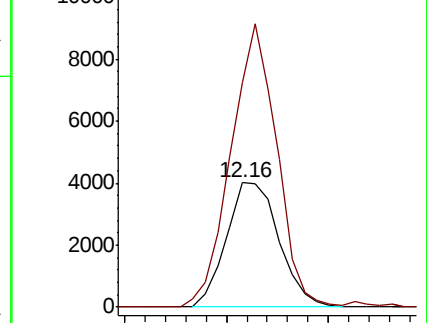
106 100

91 180.5 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#69

Naphthalene

Concen: 13.293 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014640.D

Acq: 14 Jan 2020 18:26

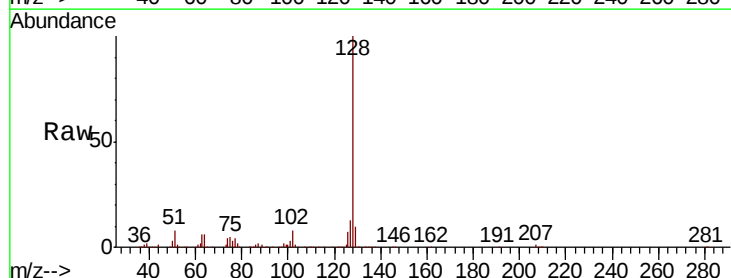
Tgt Ion:128 Resp: 302071

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

