

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014642.D
 Acq On : 14 Jan 2020 19:19
 Operator : SY/VA
 Sample : L1109-03MSD
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 15 01:52:33 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	1099072	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	968436	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	431886	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	349055	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
7) Chloroethane-d5	2.88	69	269165	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.32%
10) 1,1-Dichloroethene-d2	4.03	63	646353	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	7.07	46	148726	40.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.68%
24) Chloroform-d	7.65	84	586716	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.30	65	298739	22.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.08%
29) Benzene-d6	8.27	84	1279755	24.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.40%
33) 1,2-Dichloropropane-d6	9.27	67	388098	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.24%
37) Toluene-d8	10.32	98	1150904	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.60%
38) trans-1,3-Dichloropropene-	10.57	79	143263	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.60%
39) 2-Hexanone-d5	10.92	63	115394	43.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	263915	22.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	362728	25.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.96%

Target Compounds

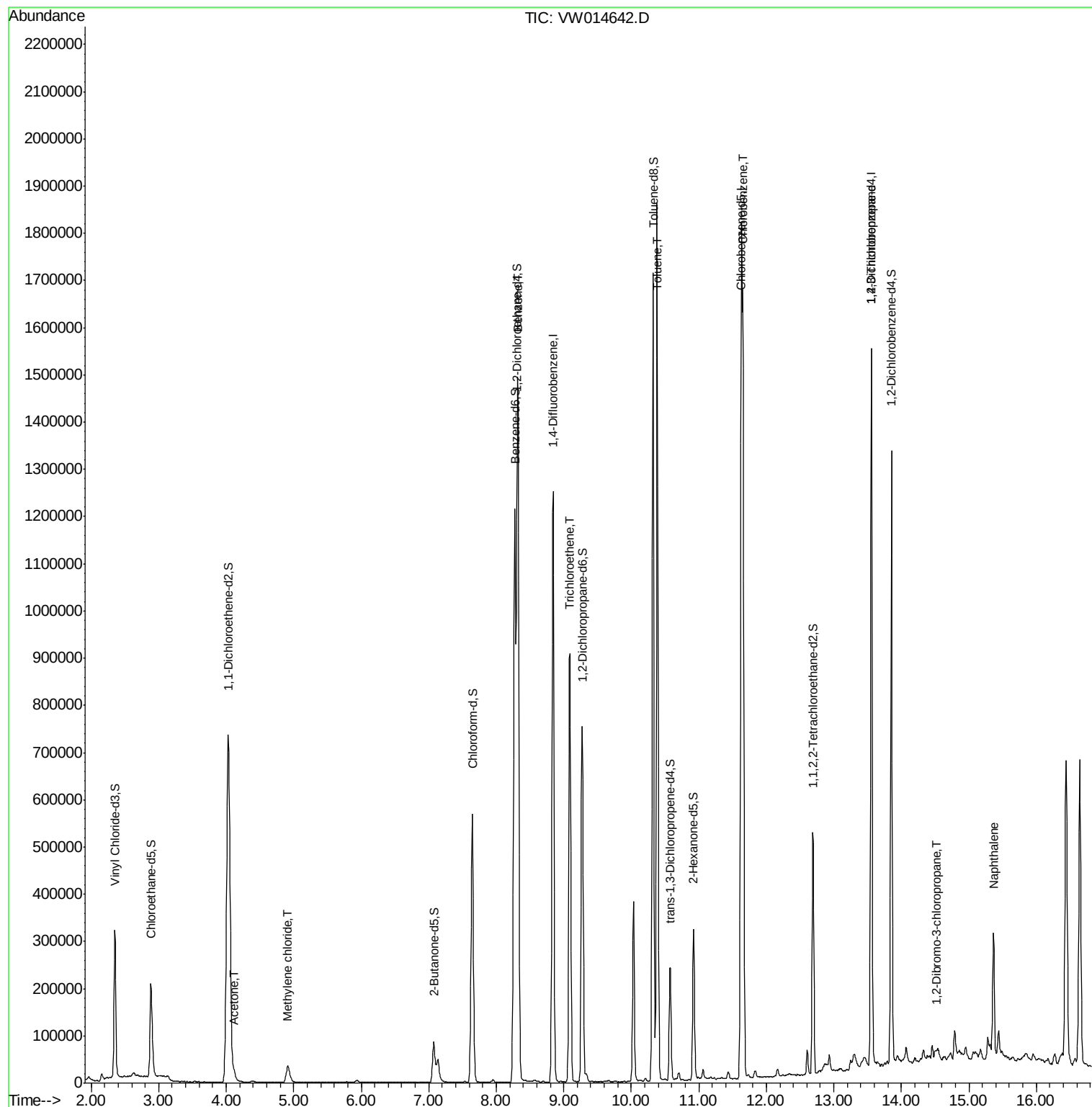
					Ovalue
13) Acetone	4.12	43	23816	4.666	ug/L 100
16) Methylene chloride	4.91	84	30282	1.690	ug/L 99
34) Benzene	8.32	78	1335871	22.922	ug/L 100
35) Trichloroethene	9.09	95	335206	22.286	ug/L 99
44) Toluene	10.38	91	1388388	22.797	ug/L 98
52) Chlorobenzene	11.66	112	836985	21.740	ug/L 96
59) 1,2,3-Trichloropropane	13.55	75	49158	5.173	ug/L 91
66) 1,2-Dibromo-3-chloropropan	14.52	75	2978	1.641	ug/L # 17
69) Naphthalene	15.36	128	228908	8.733	ug/L 99

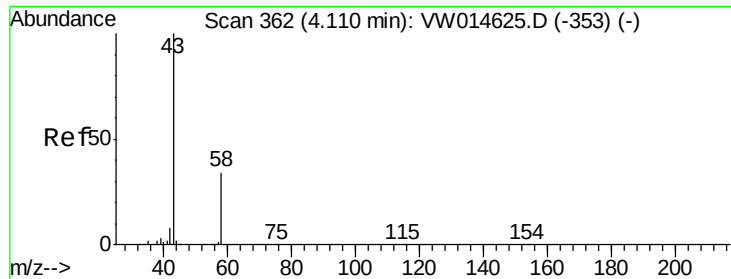
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 4.666 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

Instrument :

MSVOA_W

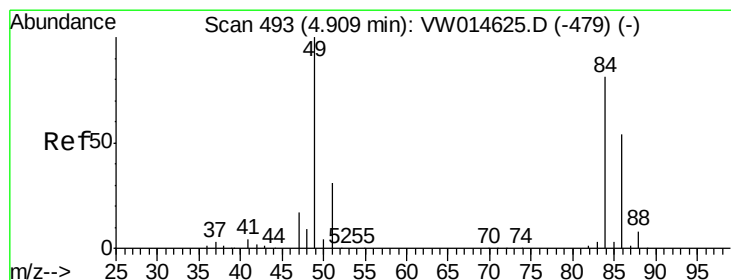
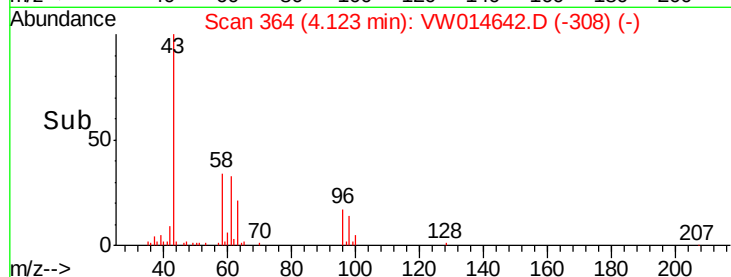
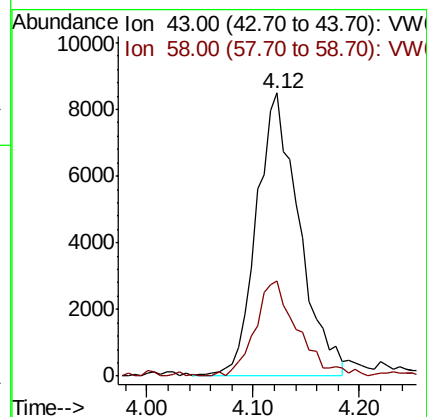
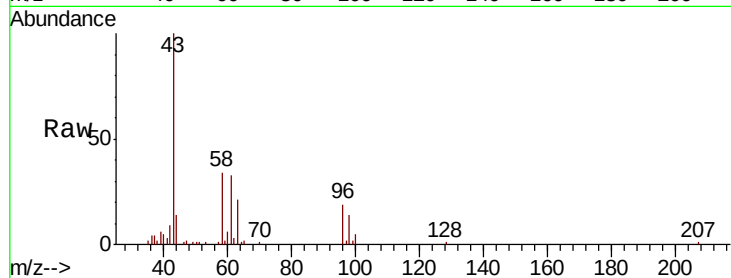
ClientSampled :

Tot Ion: 43 Resp: 23816

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.0



#16

Methylene chloride

Concen: 1.690 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

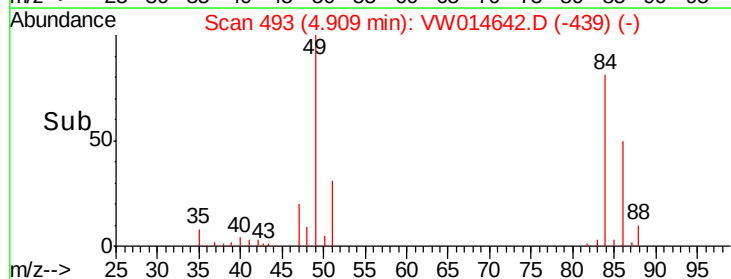
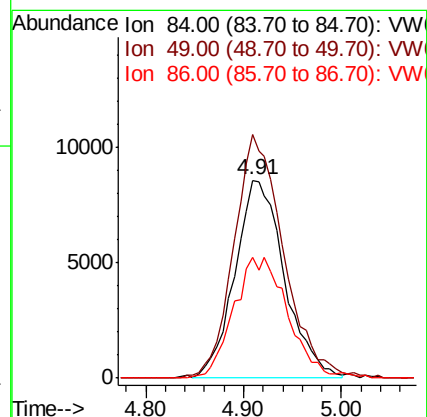
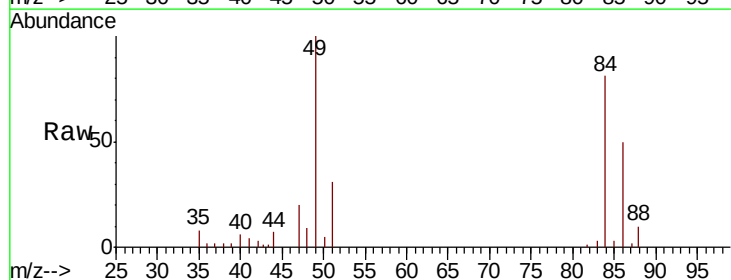
Tgt Ion: 84 Resp: 30282

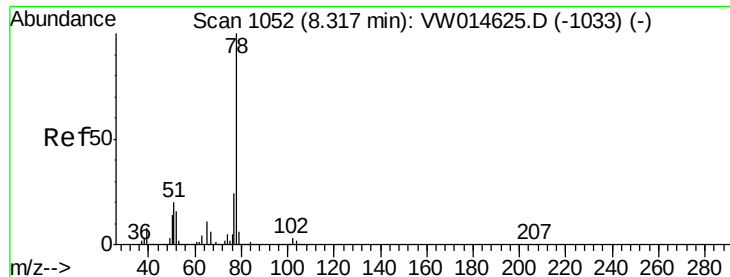
Ion Ratio Lower Upper

84 100

49 122.9 85.8 159.4

86 60.9 44.5 82.7





#34

Benzene

Concen: 22.922 ug/L

RT: 8.32 min Scan# 1053

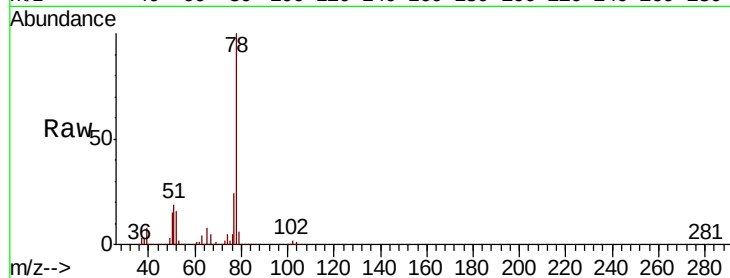
Delta R.T. 0.01 min

Lab File: VW014642.D

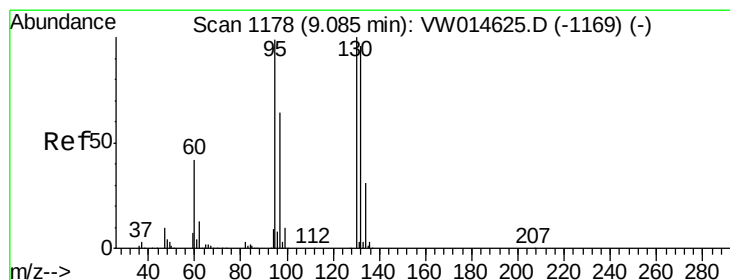
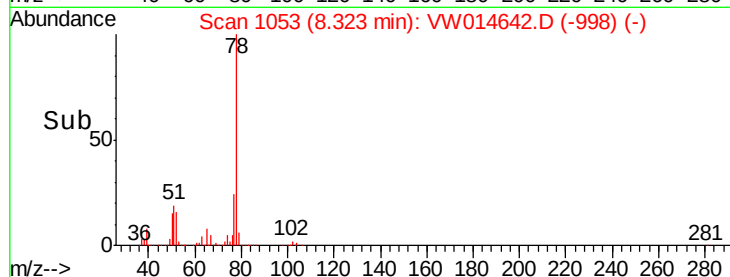
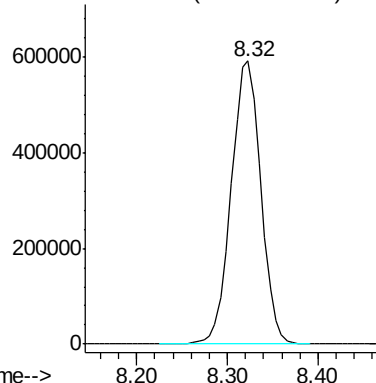
Acq: 14 Jan 2020 19:19

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 1335871



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.286 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

Tgt Ion: 95 Resp: 335206

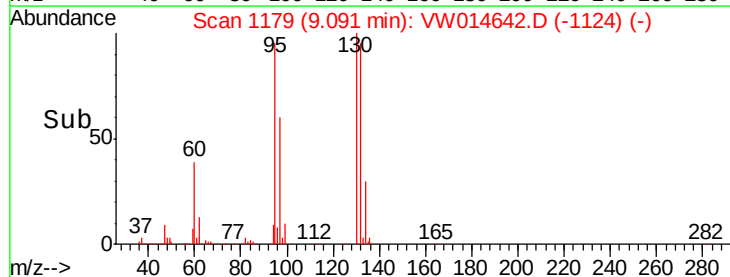
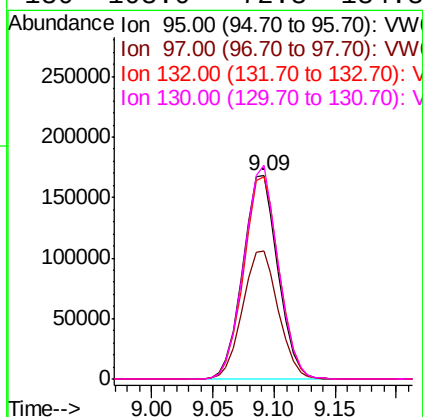
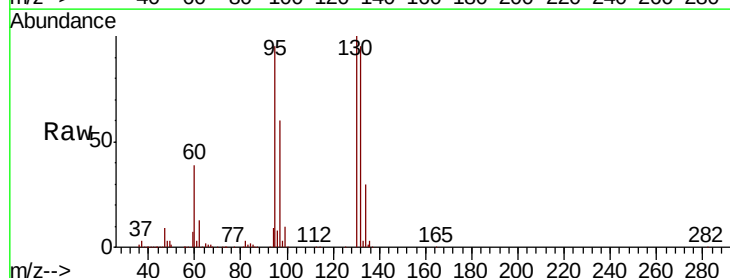
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.3	82.3
132	99.6	69.2	128.6
130	103.0	72.3	134.3

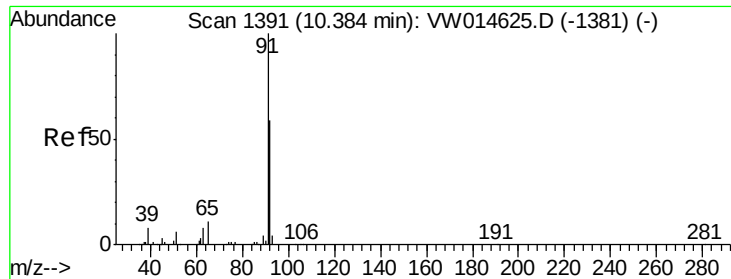
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#44

Toluene

Concen: 22.797 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

Instrument :

MSVOA_W

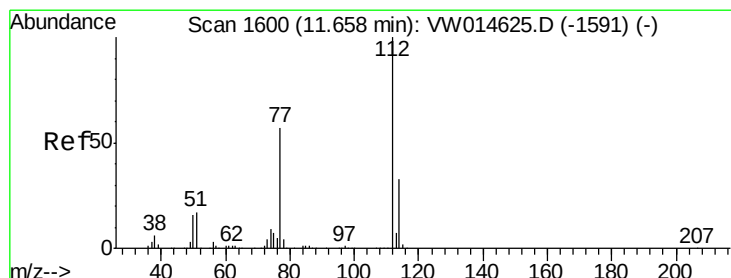
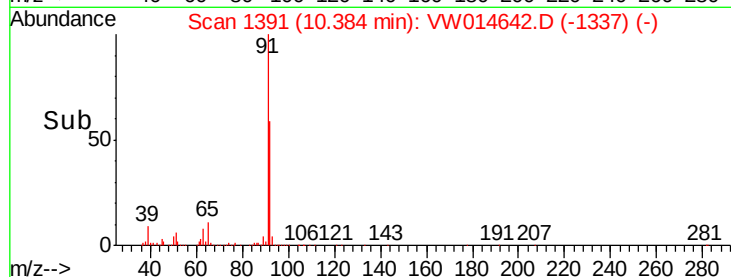
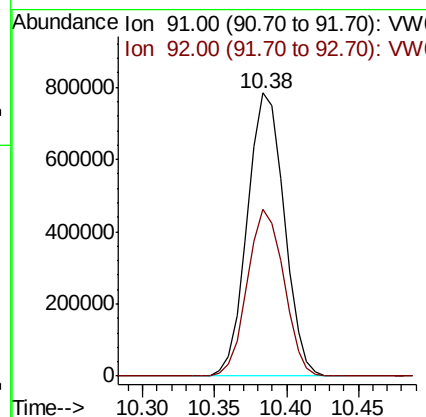
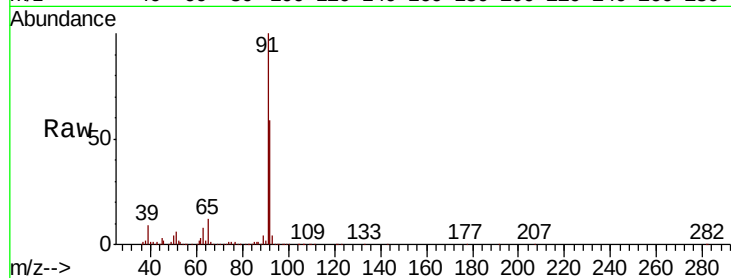
ClientSampled :

Tot Ion: 91 Resp: 1388388

Ion Ratio Lower Upper

91 100

92 58.9 40.2 74.6



#52

Chlorobenzene

Concen: 21.740 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

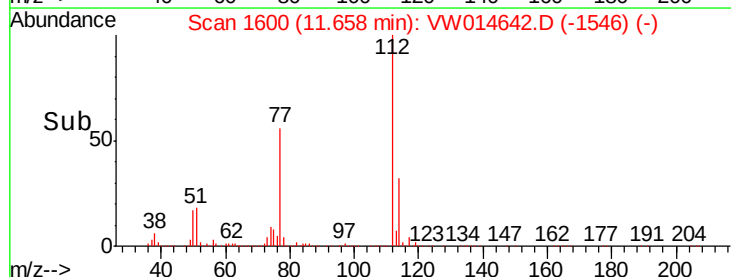
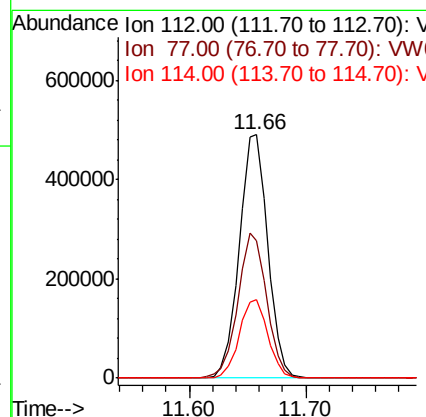
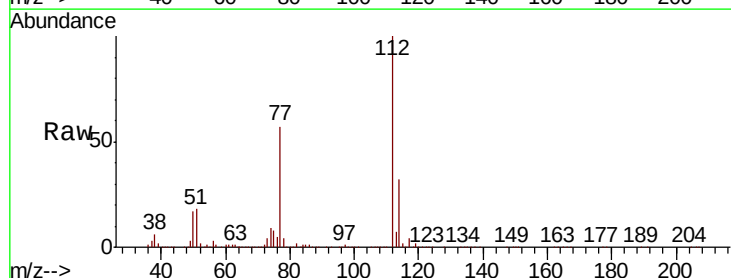
Tgt Ion: 112 Resp: 836985

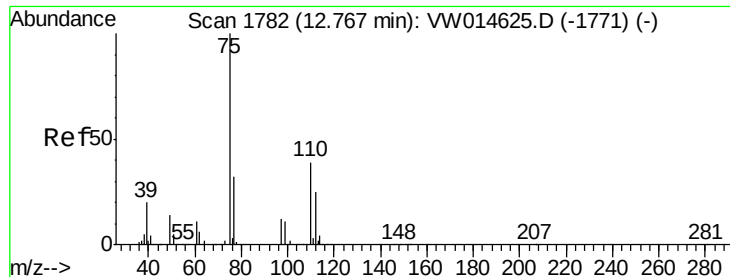
Ion Ratio Lower Upper

112 100

77 56.5 48.2 72.2

114 32.1 22.9 42.5





#59

1,2,3-Trichloropropane

Concen: 5.173 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

Instrument :

MSVOA_W

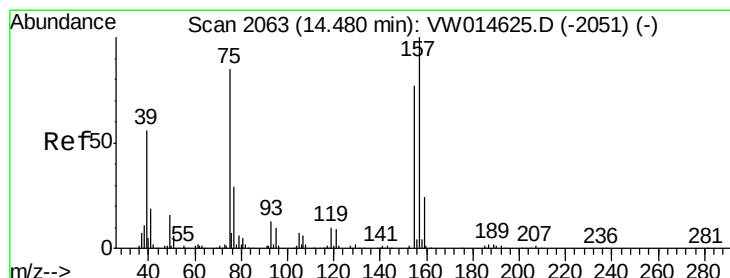
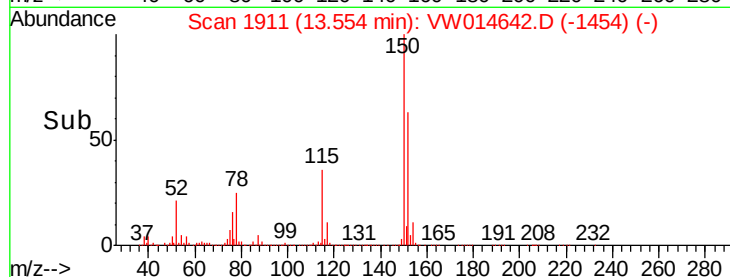
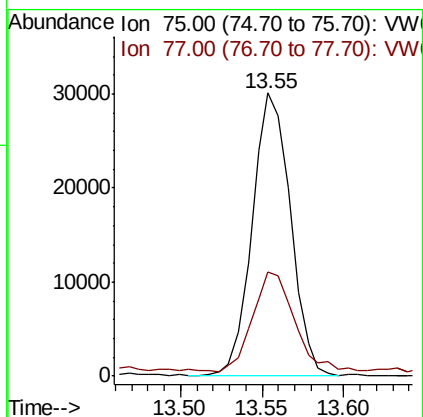
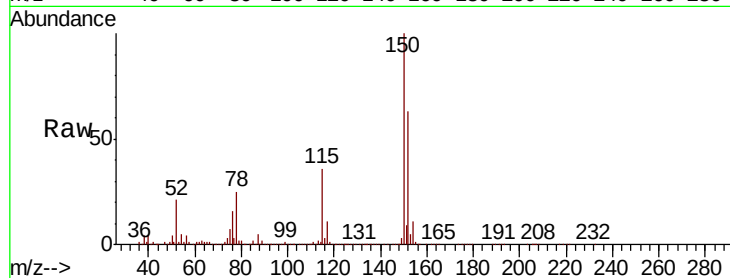
ClientSampleId :

Tot Ion: 75 Resp: 49158

Ion Ratio Lower Upper

75 100

77 37.8 26.2 39.2



#66

1,2-Dibromo-3-chloropropane

Concen: 1.641 ug/L

RT: 14.52 min Scan# 2069

Delta R.T. 0.04 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

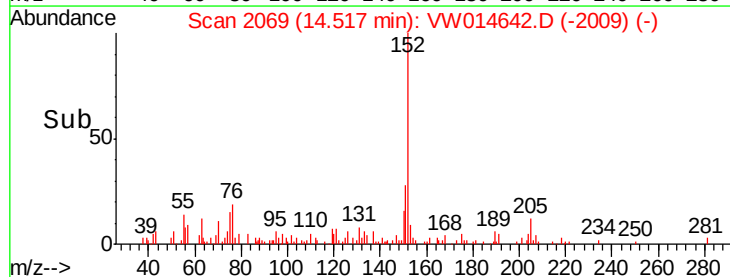
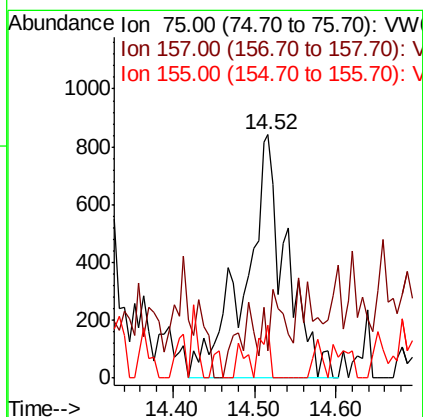
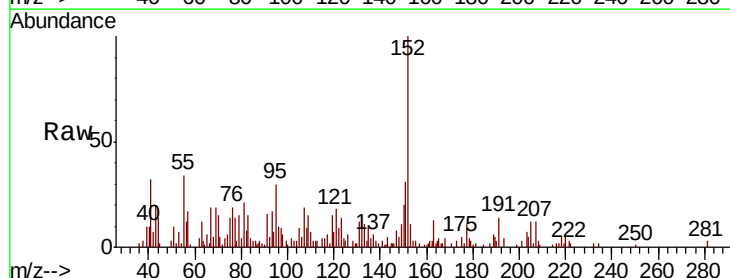
Tgt Ion: 75 Resp: 2978

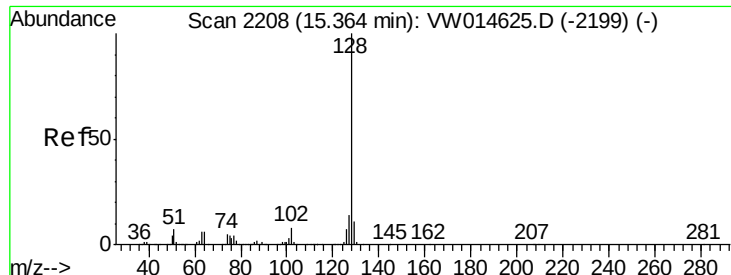
Ion Ratio Lower Upper

75 100

157 11.2 87.2 130.8#

155 21.5 67.8 101.8#





#69

Naphthalene

Concen: 8.733 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014642.D

Acq: 14 Jan 2020 19:19

Instrument :

MSVOA_W

ClientSampleId :

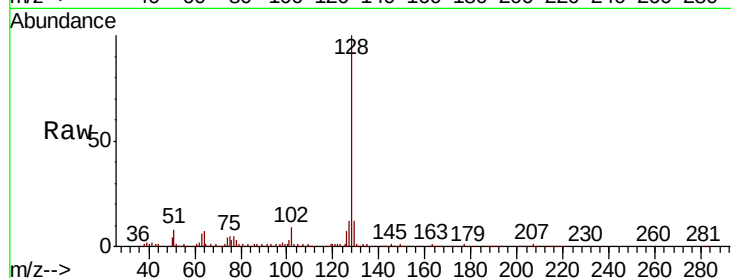
Tot Ion:128 Resp: 228908

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 12.7 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

