

Data File : VW014838.D
Acq On : 03 Feb 2020 16:57
Operator : SY/VA
Sample : L1323-07MS
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT46MS

Quant Time: Feb 04 06:56:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 06:54:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	814772	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	760356	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	311848	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	230351	18.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.20%
7) Chloroethane-d5	2.89	69	231454	18.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.88%
10) 1,1-Dichloroethene-d2	4.02	63	503261	18.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.24%
20) 2-Butanone-d5	7.07	46	167897	35.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.00%
24) Chloroform-d	7.65	84	522121	20.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.52%
26) 1,2-Dichloroethane-d4	8.31	65	302917	20.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.12%
29) Benzene-d6	8.27	84	1042724	19.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.80%
33) 1,2-Dichloropropane-d6	9.27	67	358739	20.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.68%
37) Toluene-d8	10.32	98	900643	19.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.00%
38) trans-1,3-Dichloropropene-	10.57	79	126759	18.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.92%
39) 2-Hexanone-d5	10.92	63	122078	35.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	265026	19.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	275183	21.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.24%

Target Compounds

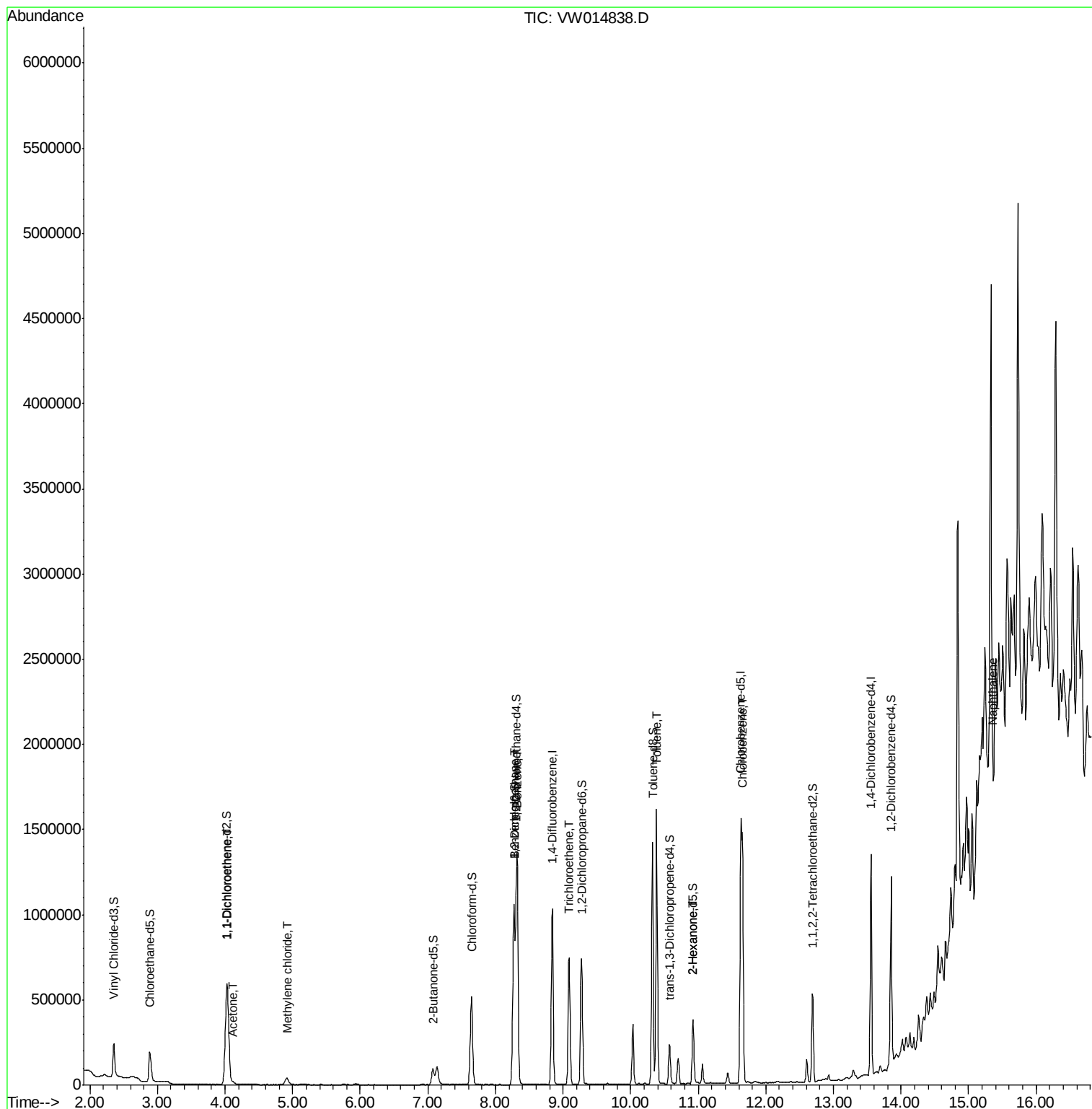
						Qvalue
12) 1,1-Dichloroethene	4.04	96	228075	19.168	ug/L	97
13) Acetone	4.12	43	17967	3.464	ug/L	85
16) Methylene chloride	4.91	84	31236	2.076	ug/L	95
27) 1,2-Dichloroethane	8.27	62	5456	0.345	ug/L	95
34) Benzene	8.32	78	1124332	21.117	ug/L	100
35) Trichloroethene	9.09	95	266739	20.286	ug/L	99
44) Toluene	10.38	91	1147114	21.534	ug/L	98
49) 2-Hexanone	10.92	43	18969	2.607	ug/L #	67
52) Chlorobenzene	11.66	112	674404	20.753	ug/L	99
69) Naphthalene	15.36	128	64176	2.732	ug/L #	81

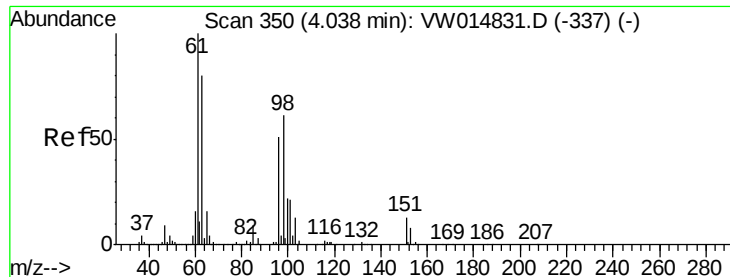
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 19.168 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014838.D

Acq: 03 Feb 2020 16:57

Instrument :

MSVOA_W

ClientSampleId :

GAT46MS

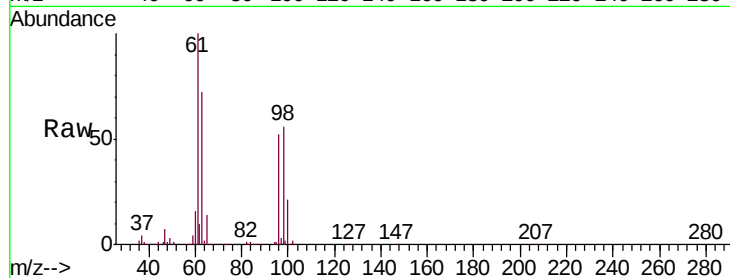
Tgt Ion: 96 Resp: 228075

Ion Ratio Lower Upper

96 100

61 190.9 131.5 244.3

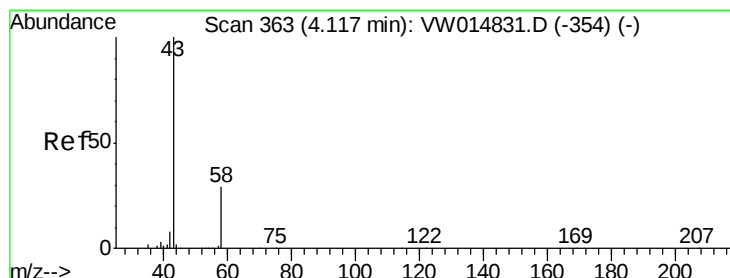
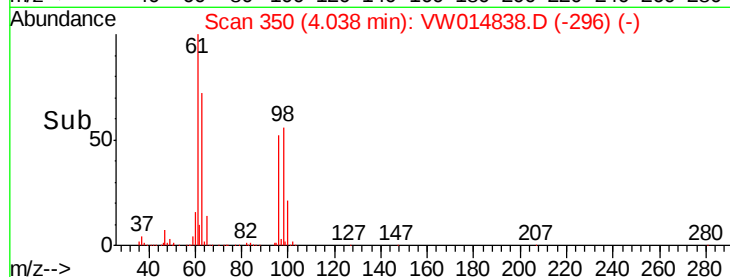
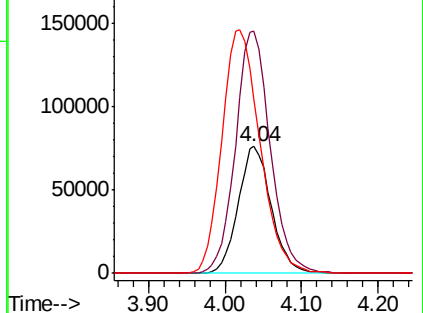
63 137.1 98.8 183.4



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 3.464 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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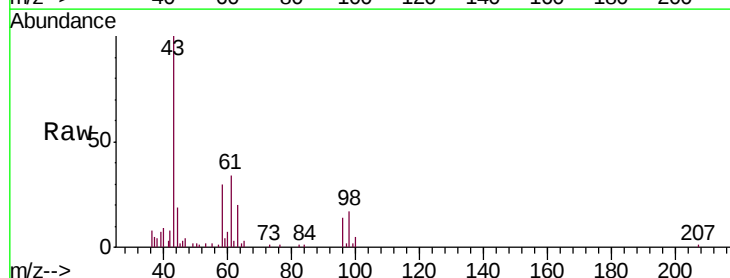
Acq: 03 Feb 2020 16:57

Tgt Ion: 43 Resp: 17967

Ion Ratio Lower Upper

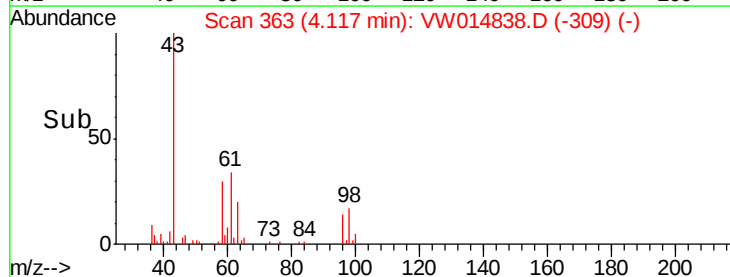
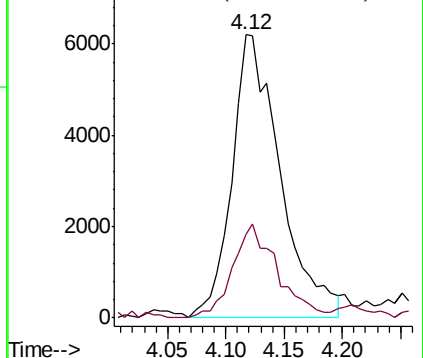
43 100

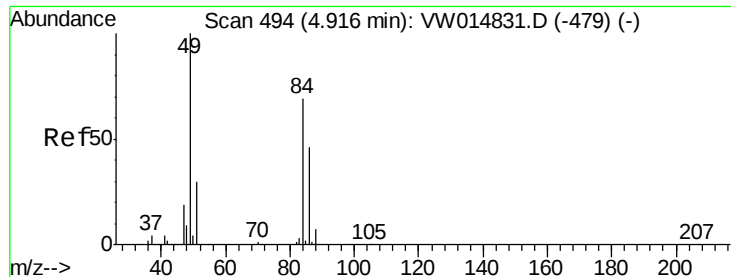
58 21.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

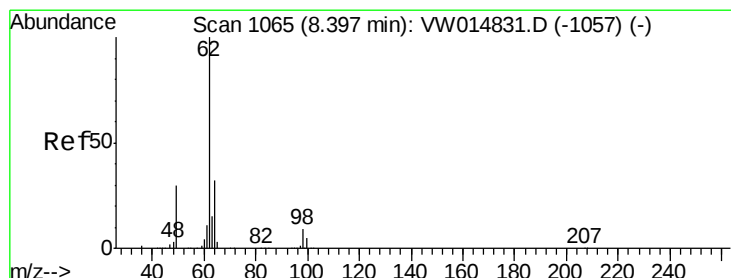
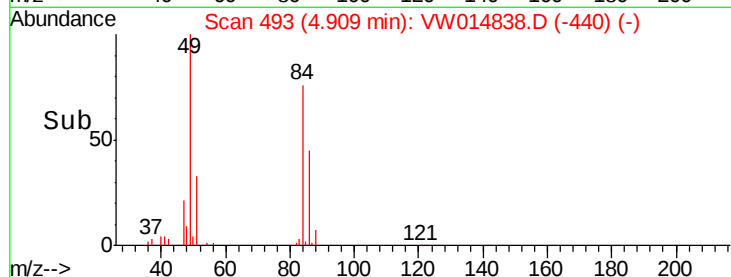
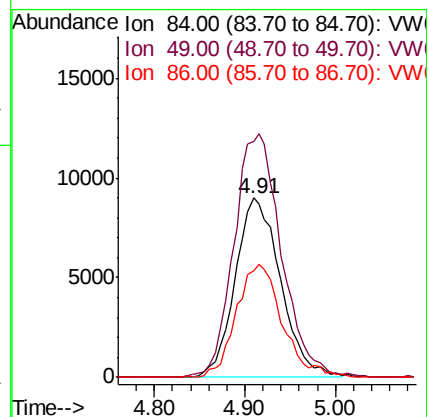
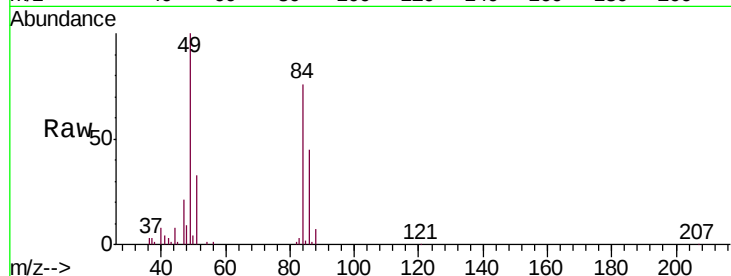




#16
Methylene chloride
Concen: 2.076 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014838.D
Acq: 03 Feb 2020 16:57

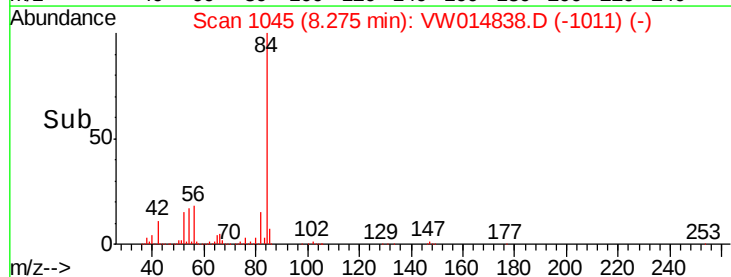
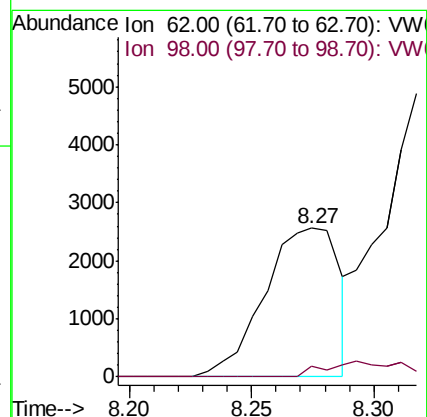
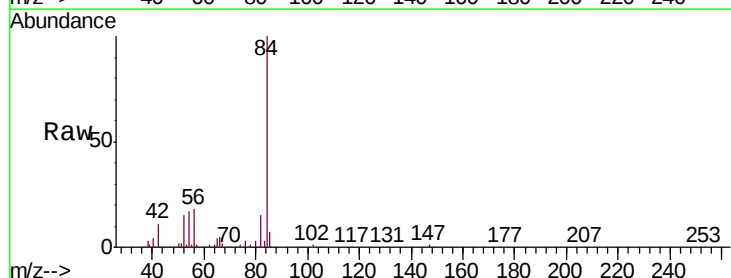
Instrument :
MSVOA_W
ClientSampleId :
GAT46MS

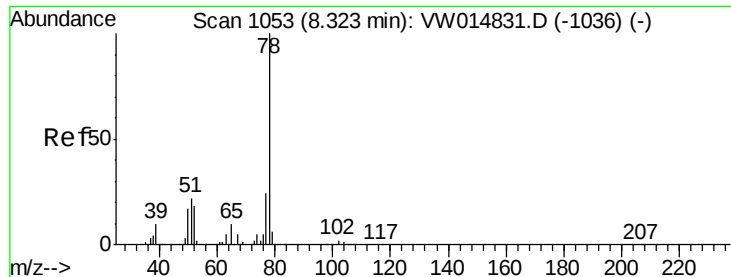
Tgt Ion: 84 Resp: 31236
Ion Ratio Lower Upper
84 100
49 131.9 96.6 179.4
86 59.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.345 ug/L
RT: 8.27 min Scan# 1045
Delta R.T. -0.12 min
Lab File: VW014838.D
Acq: 03 Feb 2020 16:57

Tgt Ion: 62 Resp: 5456
Ion Ratio Lower Upper
62 100
98 6.9 6.8 10.2





#34

Benzene

Concen: 21.117 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW014838.D

Acq: 03 Feb 2020 16:57

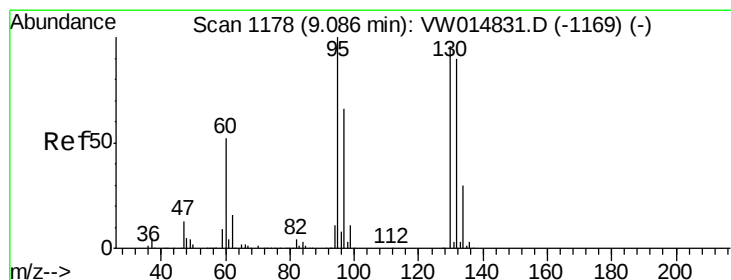
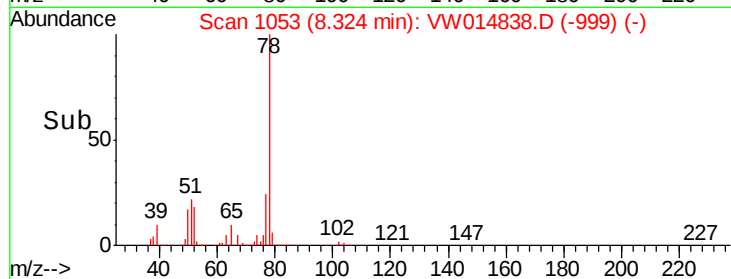
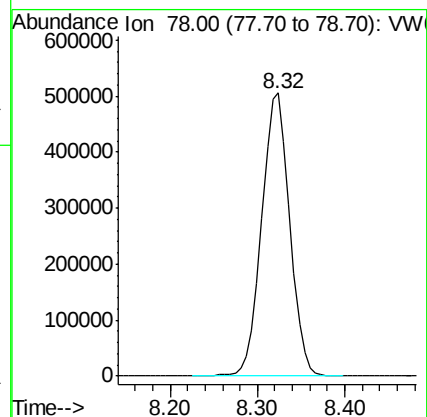
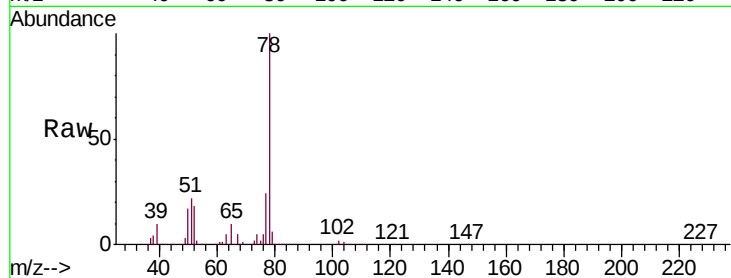
Instrument :

MSVOA_W

ClientSampleId :

GAT46MS

Tgt Ion: 78 Resp: 1124332



#35

Trichloroethene

Concen: 20.286 ug/L

RT: 9.09 min Scan# 1178

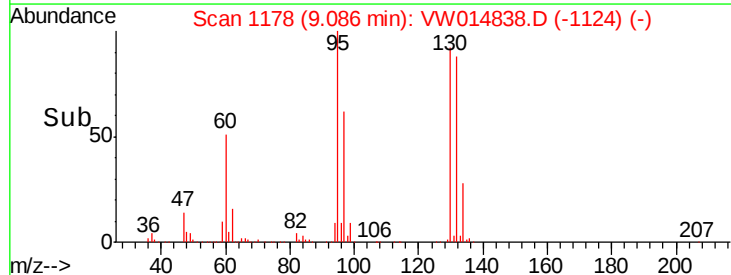
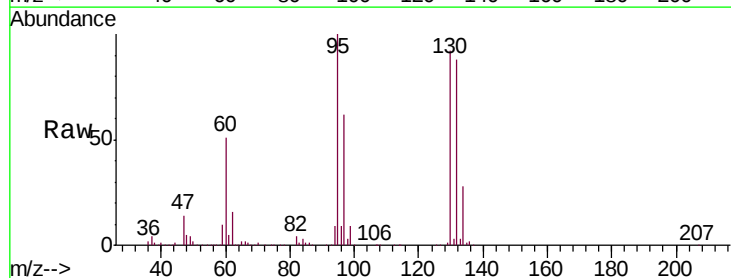
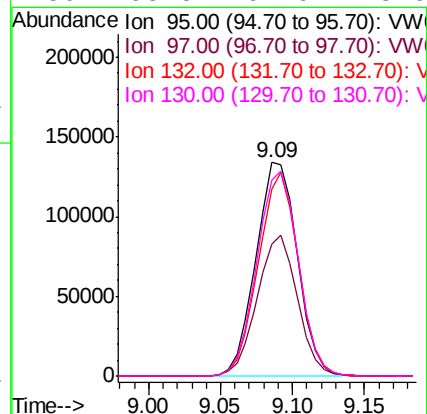
Delta R.T. 0.00 min

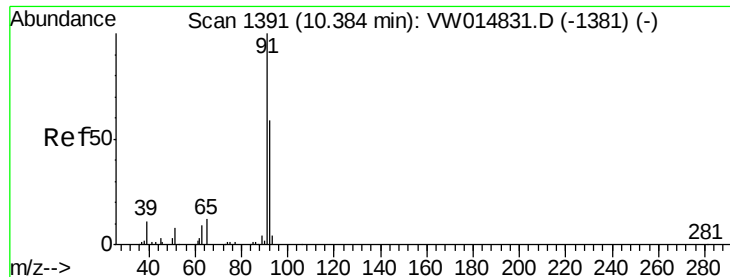
Lab File: VW014838.D

Acq: 03 Feb 2020 16:57

Tgt Ion: 95 Resp: 266739

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.5
132	92.4	64.3	119.5
130	95.8	67.6	125.6





#44

Toluene

Concen: 21.534 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014838.D

Acq: 03 Feb 2020 16:57

Instrument :

MSVOA_W

ClientSampleId :

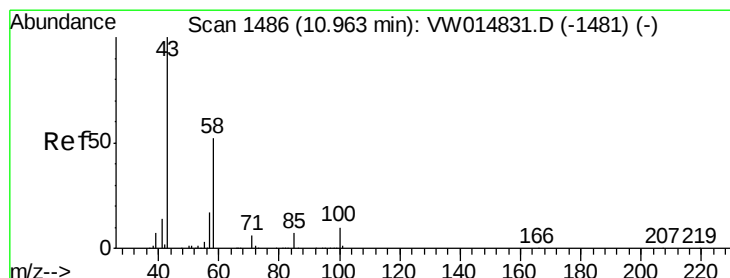
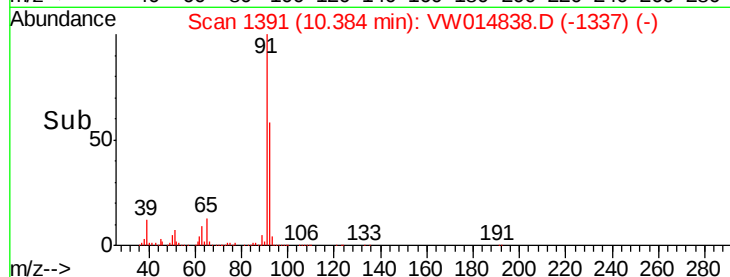
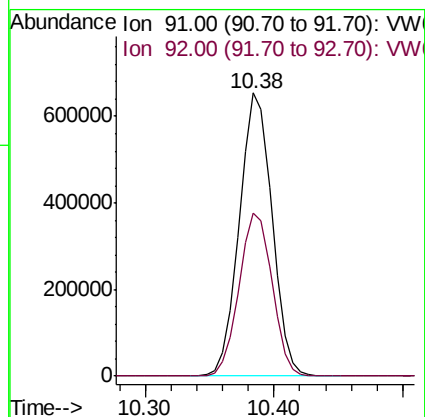
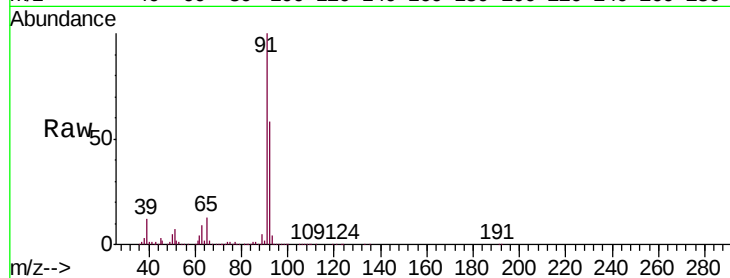
GAT46MS

Tgt Ion: 91 Resp: 1147114

Ion Ratio Lower Upper

91 100

92 57.7 41.6 77.2



#49

2-Hexanone

Concen: 2.607 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014838.D

Acq: 03 Feb 2020 16:57

Tgt Ion: 43 Resp: 18969

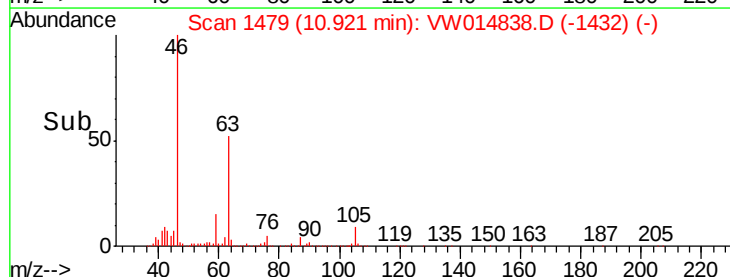
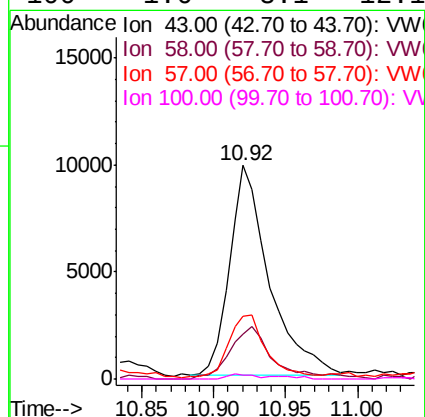
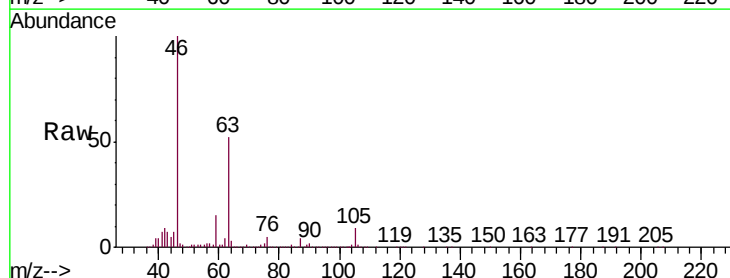
Ion Ratio Lower Upper

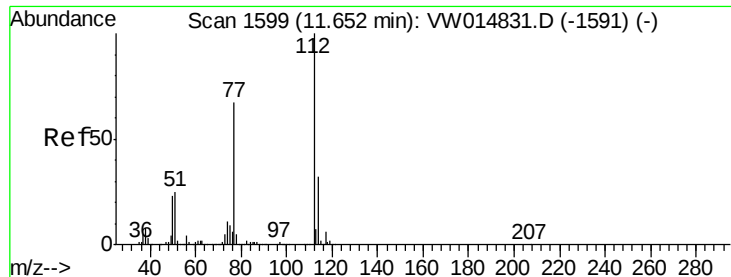
43 100

58 25.6 41.1 61.7#

57 28.9 14.1 21.1#

100 1.6 8.1 12.1#





#52

Chlorobenzene

Concen: 20.753 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

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ClientSampleId :

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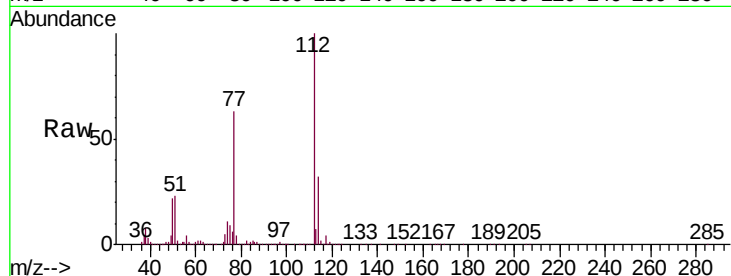
Tgt Ion:112 Resp: 674404

Ion Ratio Lower Upper

112 100

77 63.4 49.8 74.8

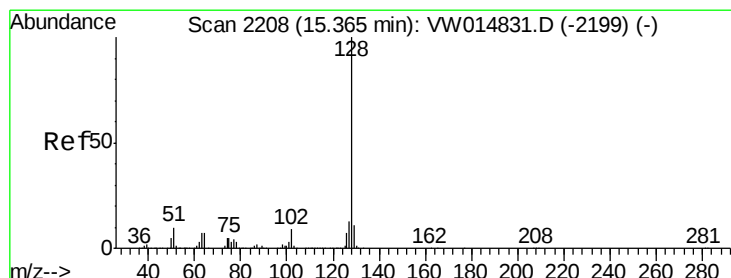
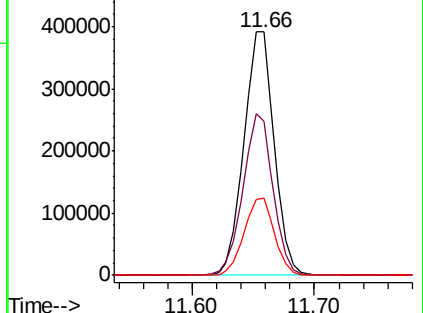
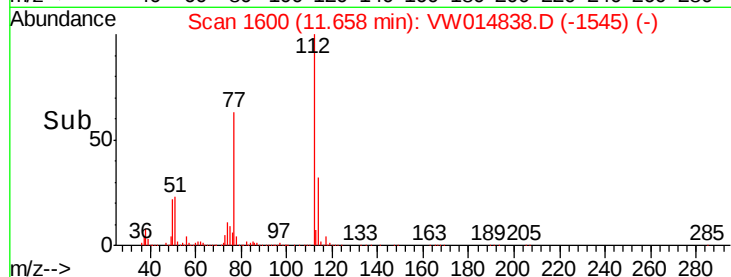
114 31.8 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V



#69

Naphthalene

Concen: 2.732 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014838.D

Acq: 03 Feb 2020 16:57

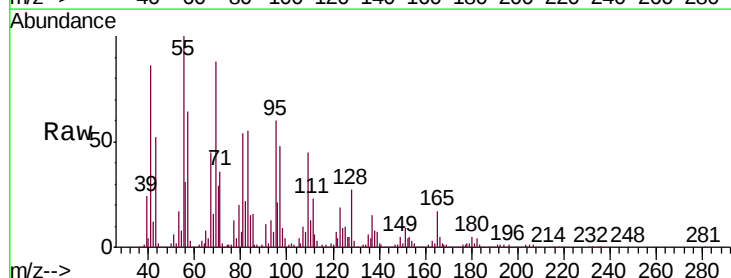
Tgt Ion:128 Resp: 64176

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

127 0.0 10.6 15.8#



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

