

Data File : VW014883.D
Acq On : 05 Feb 2020 22:25
Operator : SY/VA
Sample : L1324-13
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT68

Quant Time: Feb 06 03:02:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 02:59:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	934966	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	822230	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	285908	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	339189	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
7) Chloroethane-d5	2.89	69	332836	26.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.44%
10) 1,1-Dichloroethene-d2	4.02	63	490398	17.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.36%
20) 2-Butanone-d5	7.07	46	231234	53.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.46%
24) Chloroform-d	7.65	84	747690	28.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.68%
26) 1,2-Dichloroethane-d4	8.44	65	228	0.02	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
29) Benzene-d6	8.27	84	1461455	27.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.56%
33) 1,2-Dichloropropane-d6	9.27	67	517130	30.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.04%#
37) Toluene-d8	10.32	98	1219143	26.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.80%
38) trans-1,3-Dichloropropene-	10.57	79	164744	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	10.92	63	173360	55.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	362987	27.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	292493	26.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.52%

Target Compounds

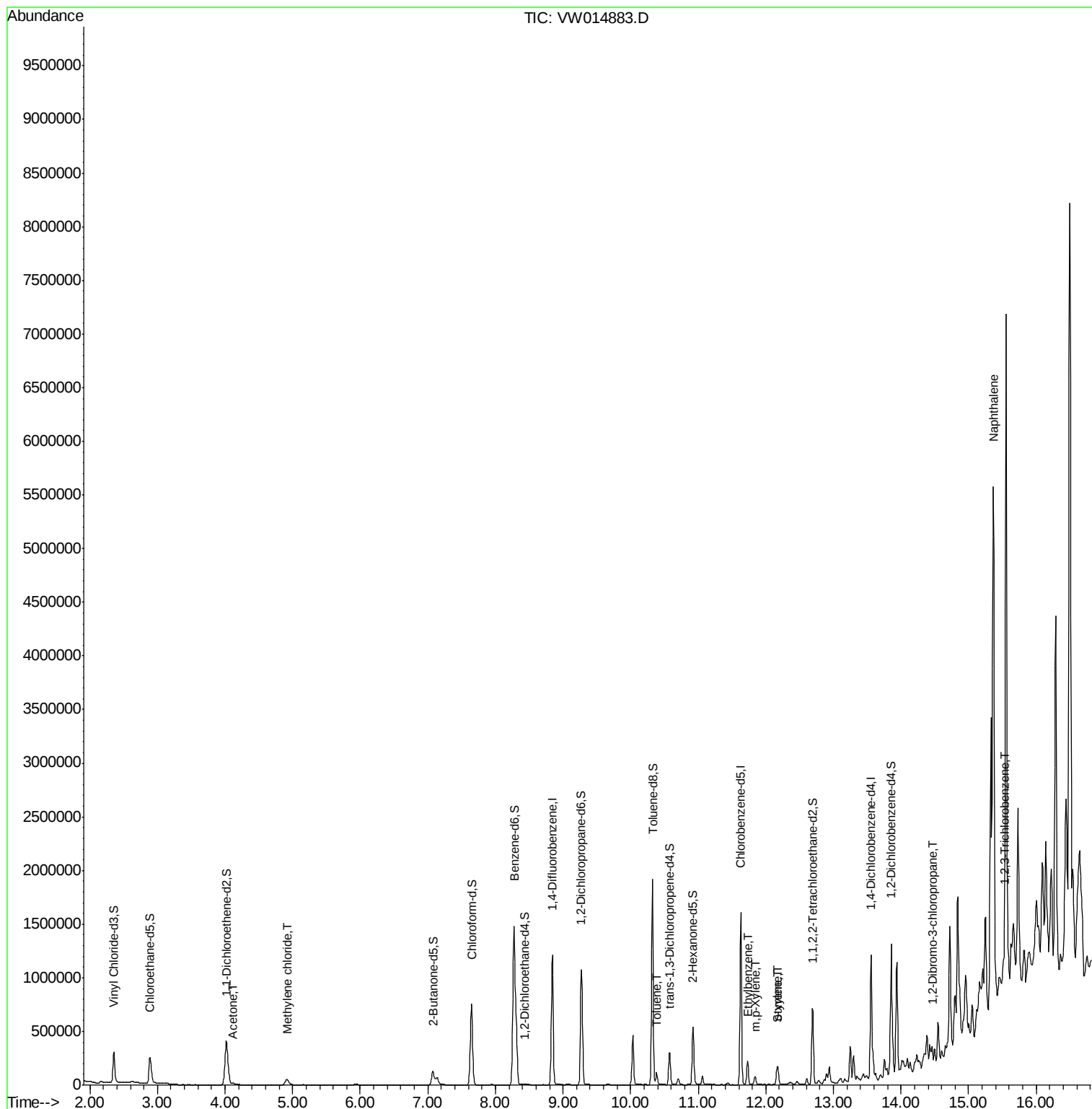
					Qvalue
13) Acetone	4.12	43	20328	4.534 ug/L	97
16) Methylene chloride	4.92	84	41751	2.451 ug/L	98
44) Toluene	10.38	91	83908	1.462 ug/L	99
53) Ethylbenzene	11.73	91	145908	2.324 ug/L	98
54) m,p-Xylene	11.84	106	20766	0.905 ug/L	99
55) o-xylene	12.16	106	27135	1.243 ug/L	100
56) Styrene	12.18	104	54188	1.469 ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.47	75	1973	1.310 ug/L #	8
69) Naphthalene	15.36	128	4086981	190.120 ug/L	99
70) 1,2,3-Trichlorobenzene	15.52	180	9580	0.949 ug/L #	1

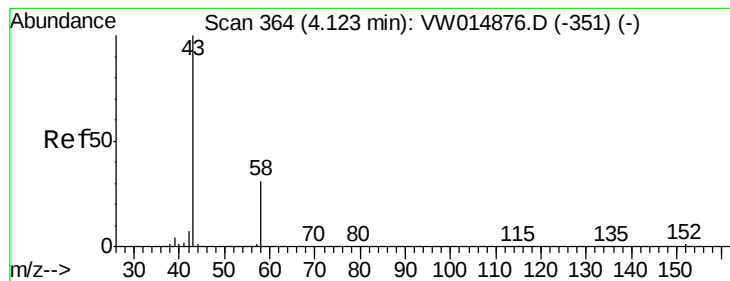
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014883.D
Acq On : 05 Feb 2020 22:25
Operator : SY/VA
Sample : L1324-13
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAT68

Quant Time: Feb 06 03:02:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 02:59:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.534 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

Instrument :

MSVOA_W

ClientSampleId :

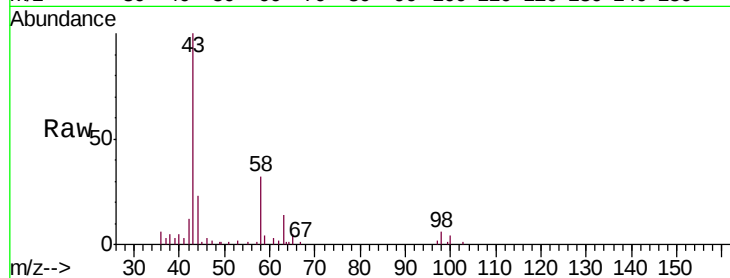
GAT68

Tgt Ion: 43 Resp: 20328

Ion Ratio Lower Upper

43 100

58 28.6 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

4000

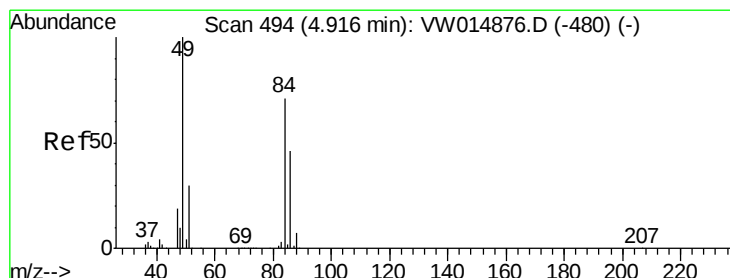
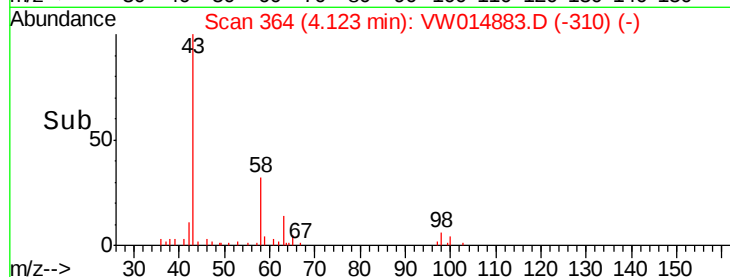
2000

0

Time-->

4.00 4.05 4.10 4.15 4.20

4.12



#16

Methylene chloride

Concen: 2.451 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

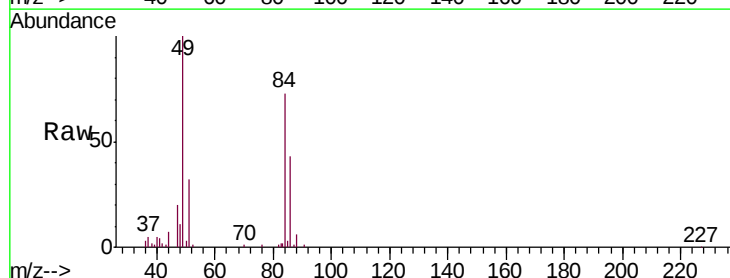
Tgt Ion: 84 Resp: 41751

Ion Ratio Lower Upper

84 100

49 137.1 95.8 177.8

86 59.0 44.2 82.2



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

20000

15000

10000

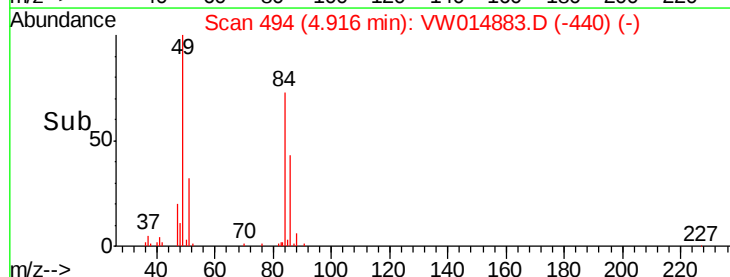
5000

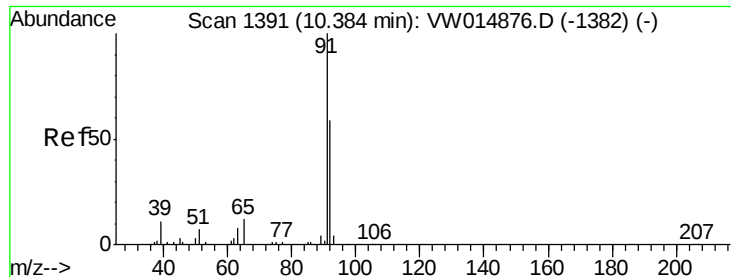
0

Time-->

4.80 4.90 5.00

4.92





#44

Toluene

Concen: 1.462 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

Instrument :

MSVOA_W

ClientSampleId :

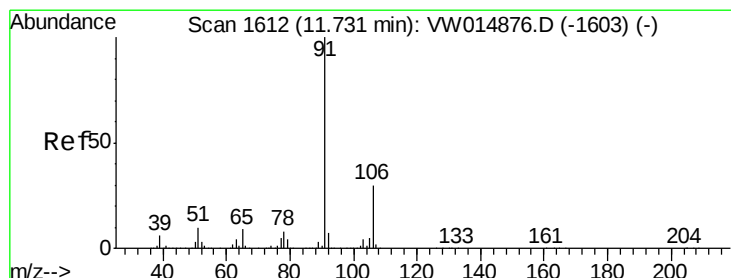
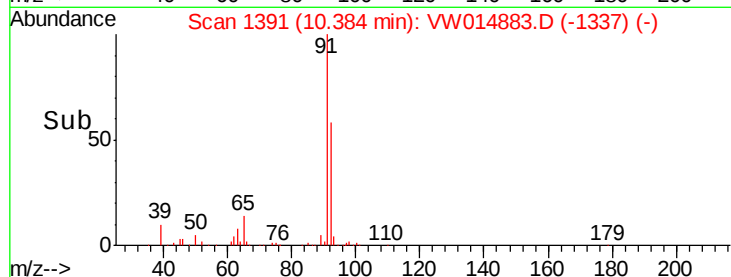
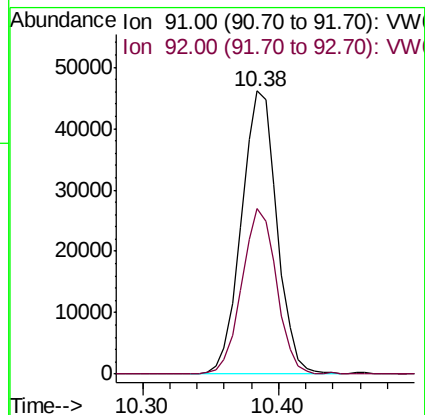
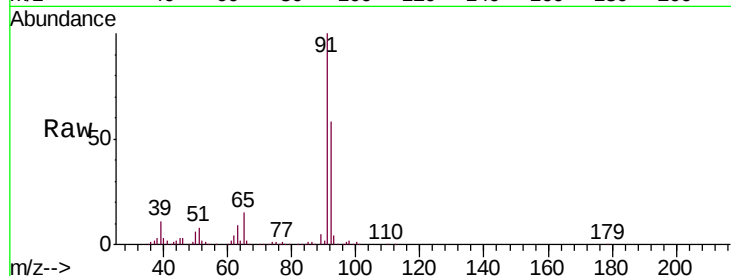
GAT68

Tgt Ion: 91 Resp: 83908

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



#53

Ethylbenzene

Concen: 2.324 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014883.D

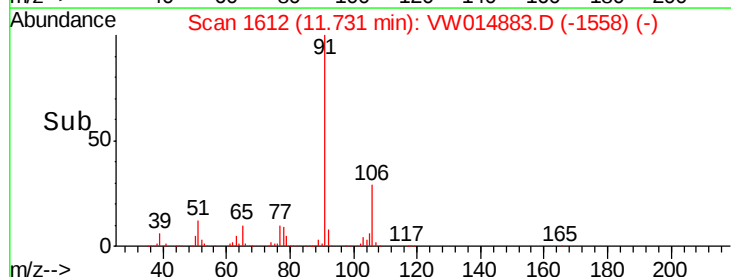
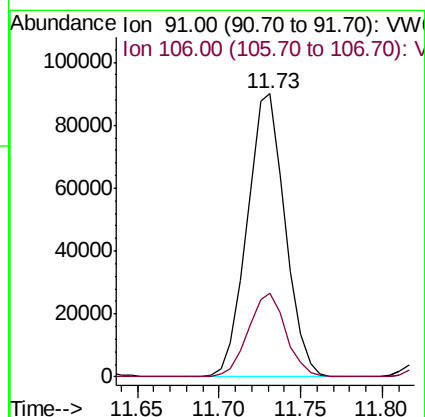
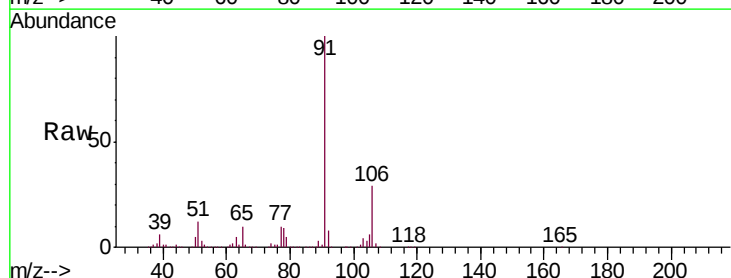
Acq: 05 Feb 2020 22:25

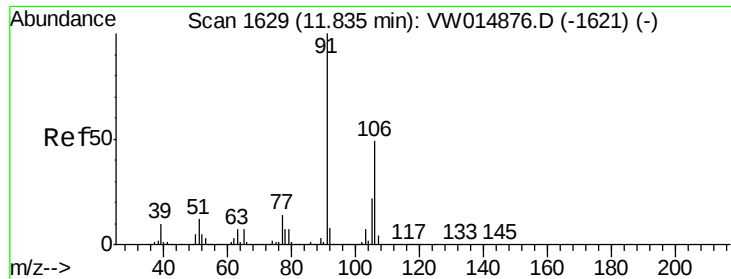
Tgt Ion: 91 Resp: 145908

Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9





#54

m,p-Xylene

Concen: 0.905 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

Instrument :

MSVOA_W

ClientSampleId :

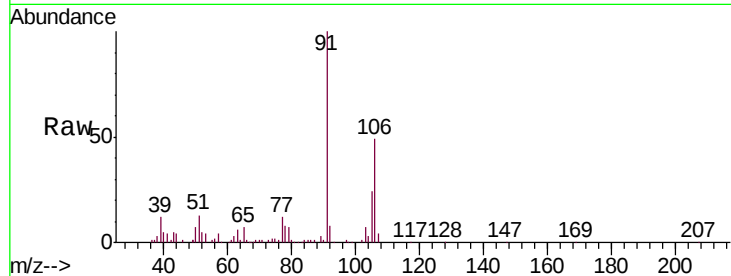
GAT68

Tgt Ion:106 Resp: 20766

Ion Ratio Lower Upper

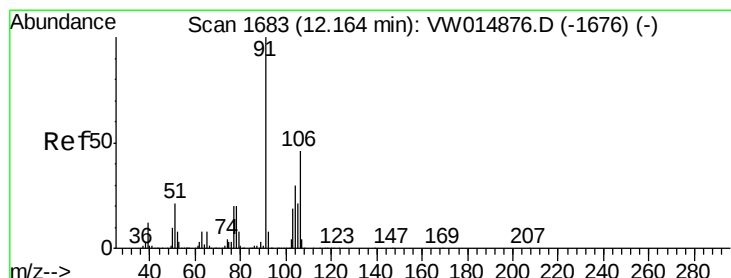
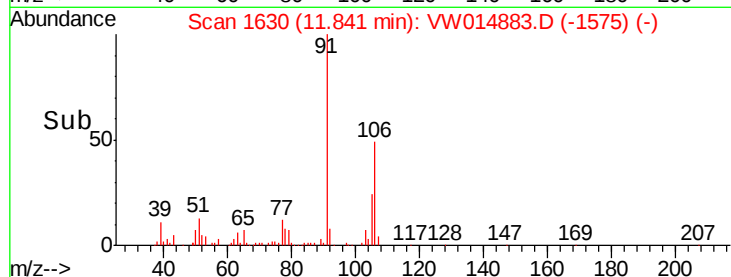
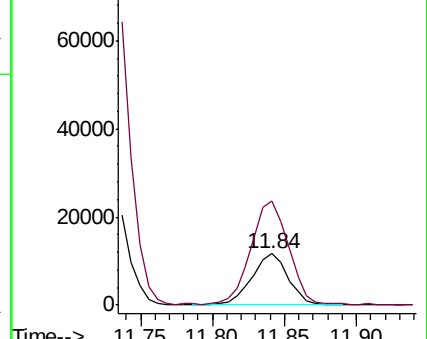
106 100

91 203.6 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.243 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014883.D

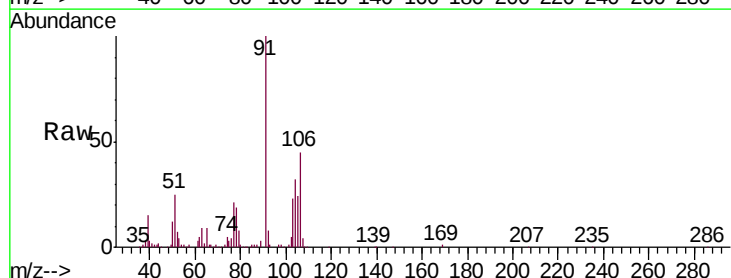
Acq: 05 Feb 2020 22:25

Tgt Ion:106 Resp: 27135

Ion Ratio Lower Upper

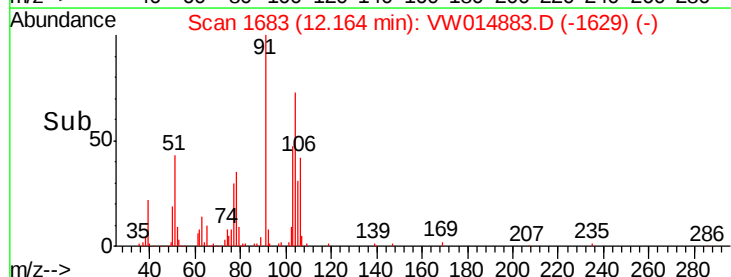
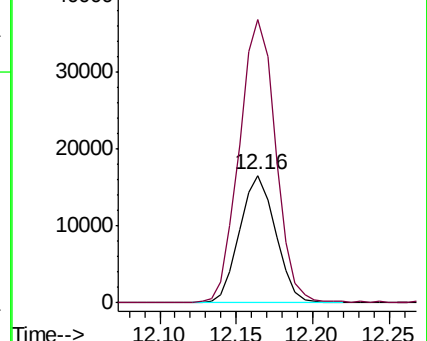
106 100

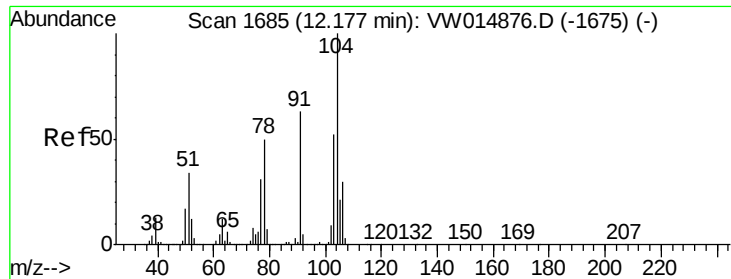
91 222.0 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 1.469 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

Instrument :

MSVOA_W

ClientSampled :

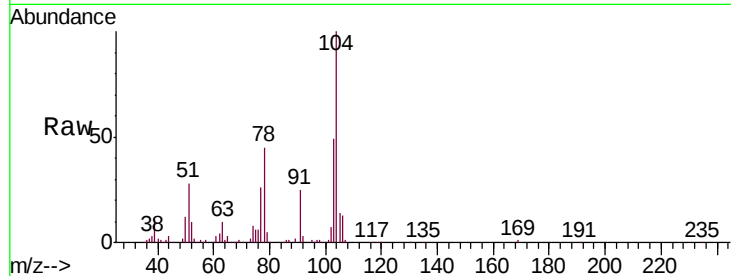
GAT68

Tgt Ion: 104 Resp: 54188

Ion Ratio Lower Upper

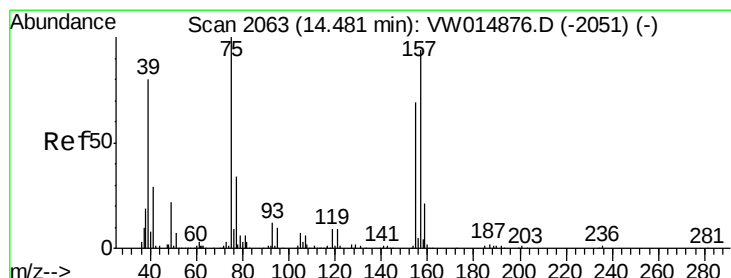
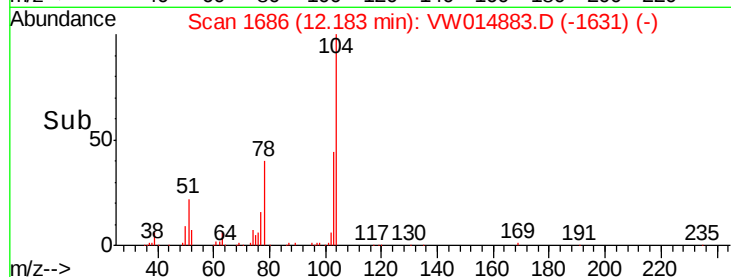
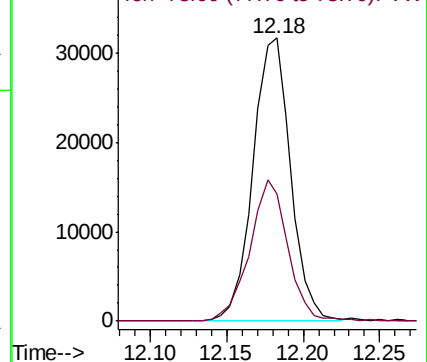
104 100

78 44.8 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.310 ug/L

RT: 14.47 min Scan# 2061

Delta R.T. -0.01 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

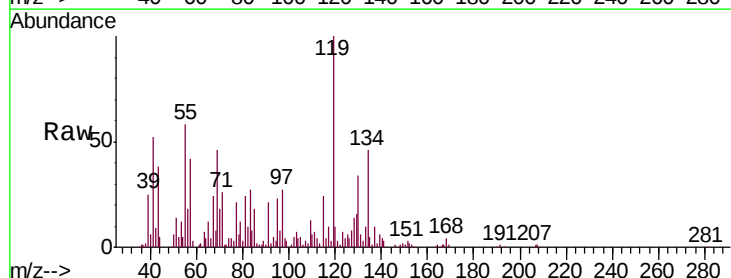
Tgt Ion: 75 Resp: 1973

Ion Ratio Lower Upper

75 100

157 0.0 74.2 111.4#

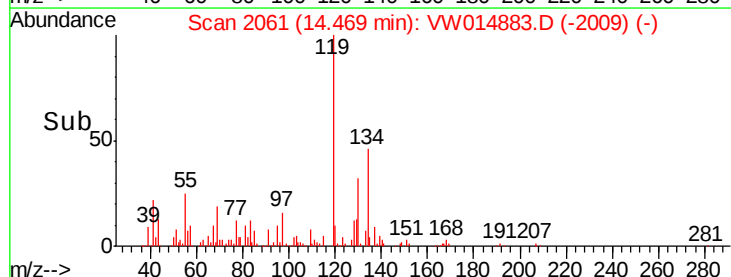
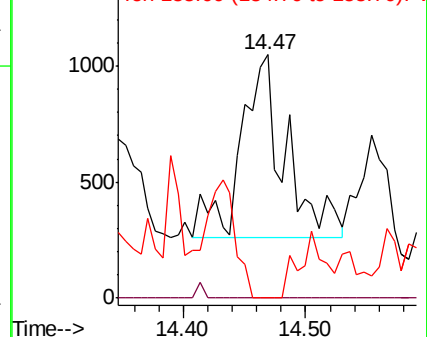
155 0.0 56.1 84.1#

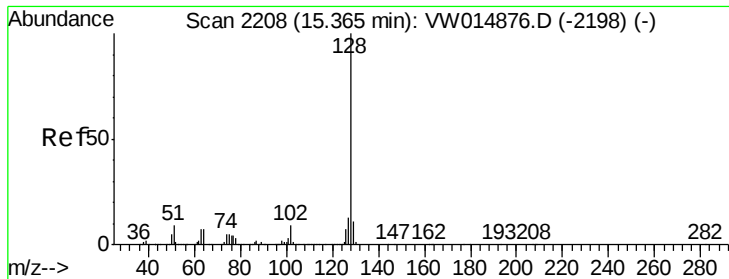


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 190.120 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

Instrument :

MSVOA_W

ClientSampleId :

GAT68

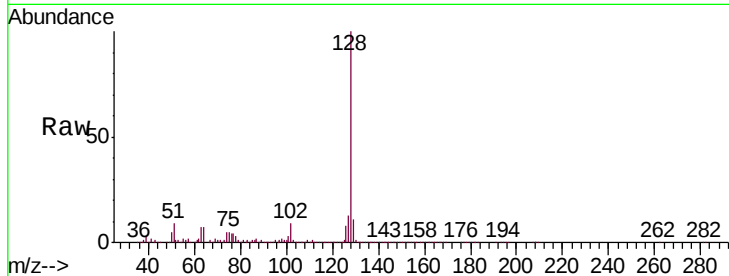
Tgt Ion:128 Resp: 4086981

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

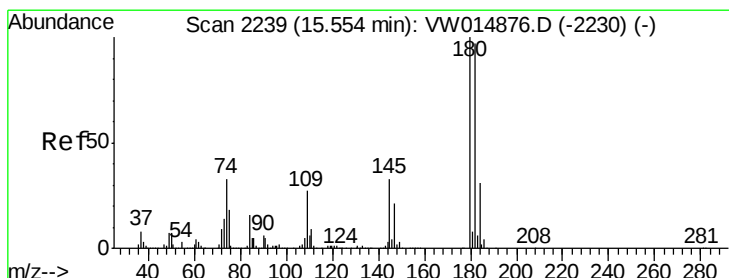
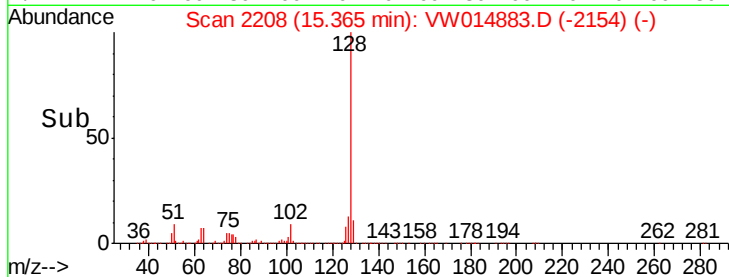
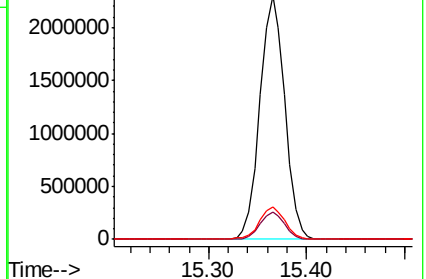
127 13.6 10.5 15.7



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



#70

1,2,3-Trichlorobenzene

Concen: 0.949 ug/L

RT: 15.52 min Scan# 2234

Delta R.T. -0.03 min

Lab File: VW014883.D

Acq: 05 Feb 2020 22:25

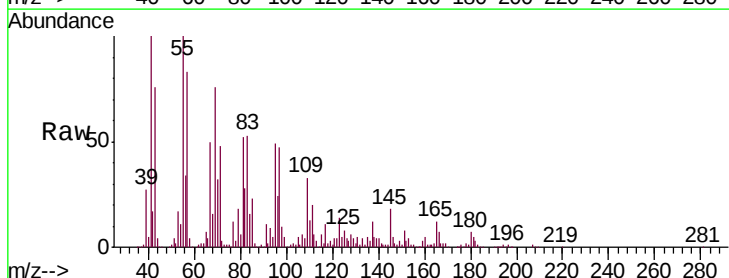
Tgt Ion:180 Resp: 9580

Ion Ratio Lower Upper

180 100

182 27.9 75.3 112.9#

145 412.0 26.0 39.0#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

