

Data File : VW014856.D
Acq On : 04 Feb 2020 12:17
Operator : SY/VA
Sample : L1323-19
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT57

Quant Time: Feb 05 03:44:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 03:41:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	172469	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	177480	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	70205	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	50899	18.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.36%
7) Chloroethane-d5	2.88	69	57965	22.44	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.76%
10) 1,1-Dichloroethene-d2	4.02	63	89125	15.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.12%
20) 2-Butanone-d5	7.08	46	34905	34.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.76%
24) Chloroform-d	7.65	84	118884	21.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	8.43	65	170	0.06	ug/L	0.13
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.24%#
29) Benzene-d6	8.27	84	240285	19.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.84%
33) 1,2-Dichloropropane-d6	9.27	67	82917	20.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.88%
37) Toluene-d8	10.32	98	200630	18.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.48%
38) trans-1,3-Dichloropropene-	10.58	79	26272	16.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.76%
39) 2-Hexanone-d5	10.93	63	24032	29.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	57477	17.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.96%
61) 1,2-Dichlorobenzene-d4	13.55	152	67381	22.91	ug/L	-0.30
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.64%

Target Compounds

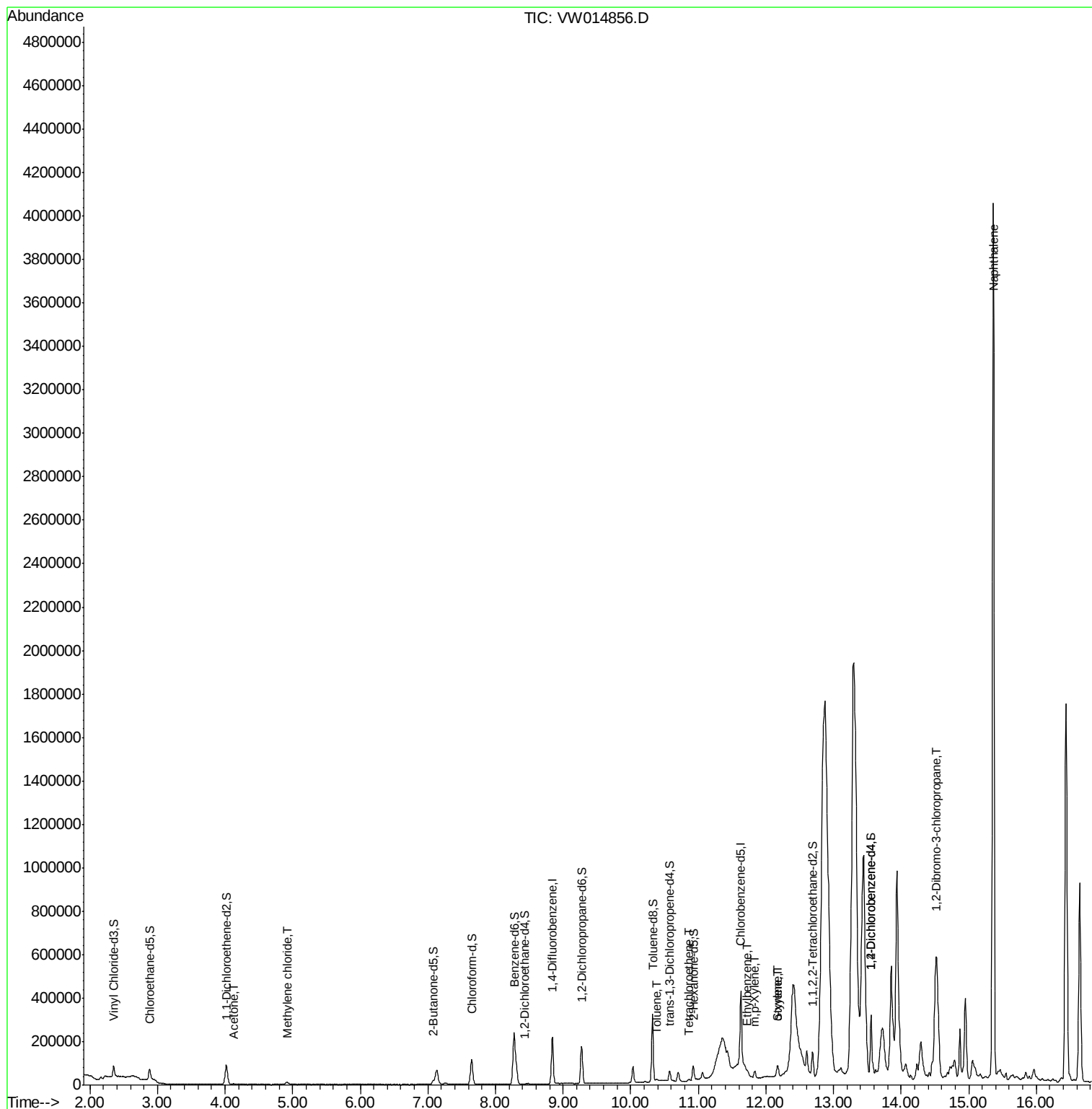
					Qvalue
13) Acetone	4.13	43	7578	6.902	ug/L 68
16) Methylene chloride	4.92	84	7469	2.345	ug/L 97
44) Toluene	10.38	91	6336	0.510	ug/L 94
47) Tetrachloroethene	10.87	164	1780	0.777	ug/L # 78
53) Ethylbenzene	11.73	91	4536	0.337	ug/L 93
54) m,p-Xylene	11.83	106	10919	2.215	ug/L 94
55) o-xylene	12.16	106	6842	1.490	ug/L 77
56) Styrene	12.18	104	18192	2.326	ug/L 100
66) 1,2-Dibromo-3-chloropropan	14.52	75	52745	126.057	ug/L # 13
69) Naphthalene	15.36	128	3224905	609.787	ug/L 100

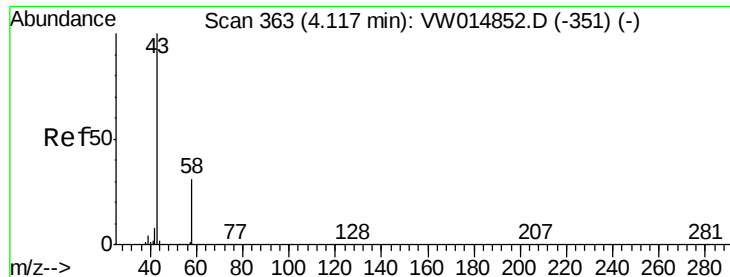
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.902 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

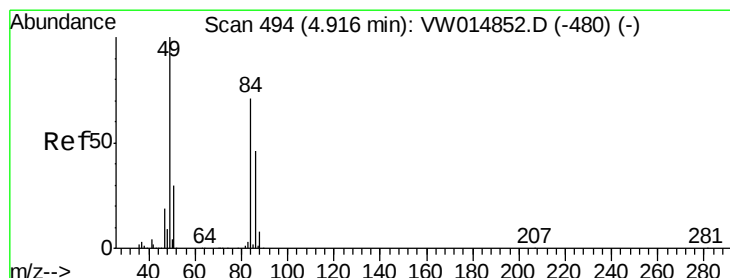
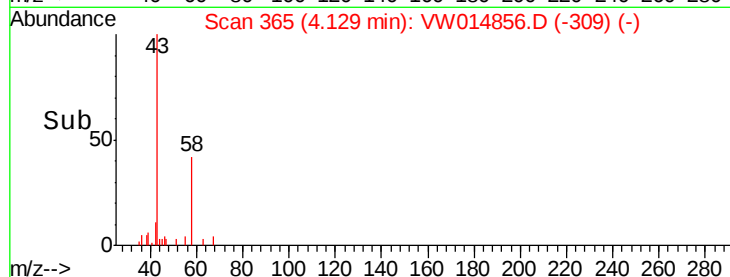
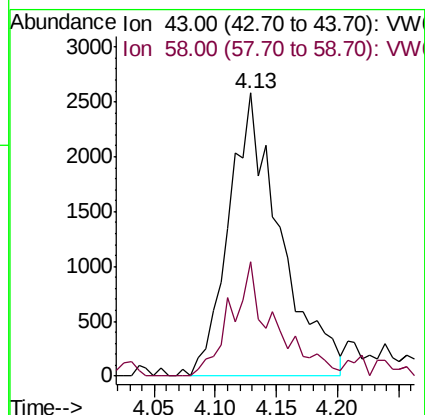
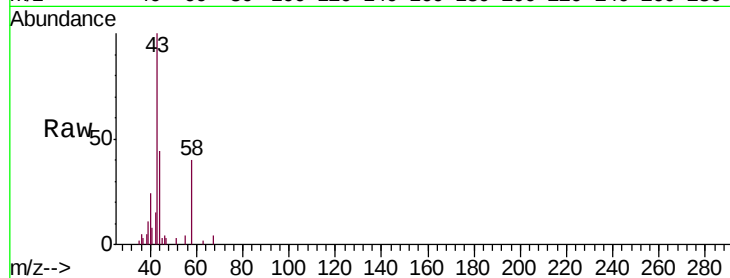
GAT57

Tgt Ion: 43 Resp: 7578

Ion Ratio Lower Upper

43 100

58 12.9 0.0 60.2



#16

Methylene chloride

Concen: 2.345 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014856.D

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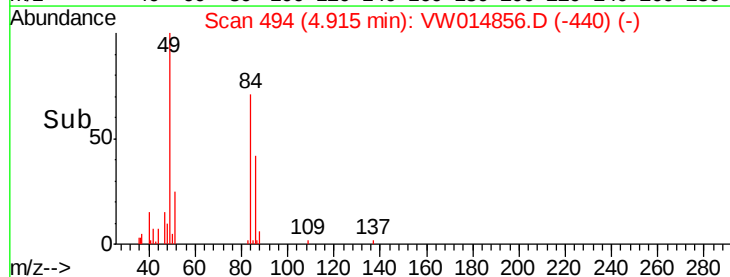
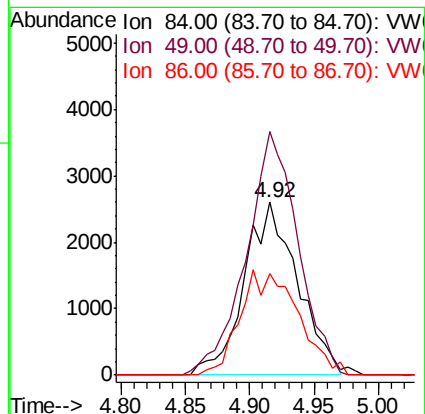
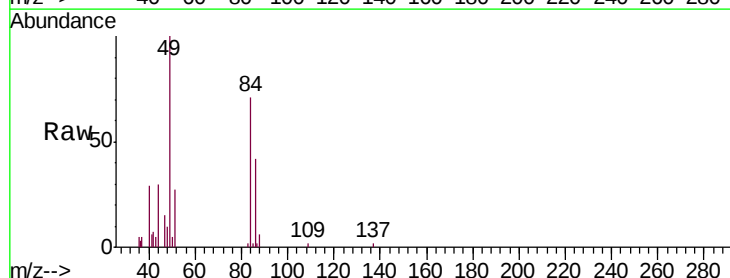
Tgt Ion: 84 Resp: 7469

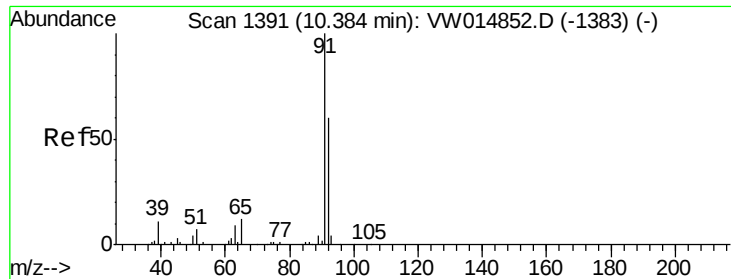
Ion Ratio Lower Upper

84 100

49 141.0 96.6 179.4

86 58.7 43.8 81.4





#44

Toluene

Concen: 0.510 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

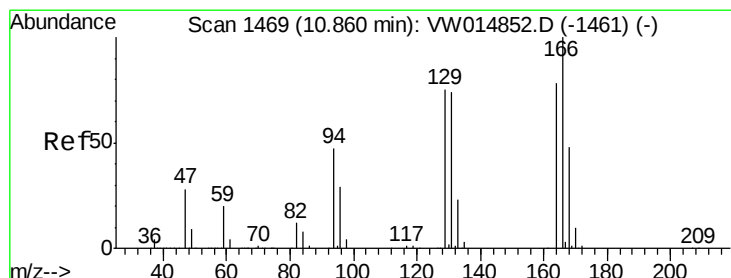
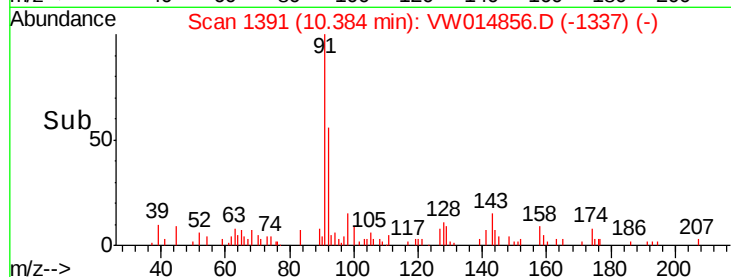
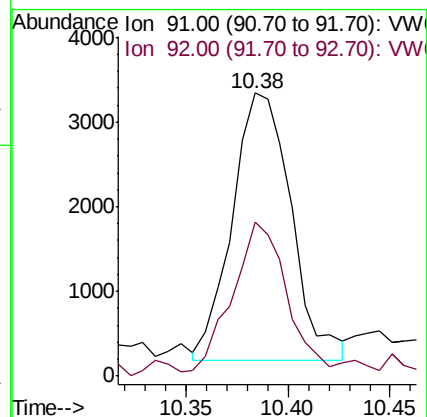
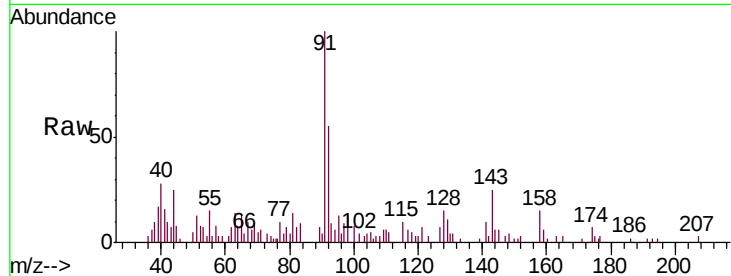
GAT57

Tgt Ion: 91 Resp: 6336

Ion Ratio Lower Upper

91 100

92 54.6 41.6 77.2



#47

Tetrachloroethene

Concen: 0.777 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW014856.D

Acq: 04 Feb 2020 12:17

Tgt Ion: 164 Resp: 1780

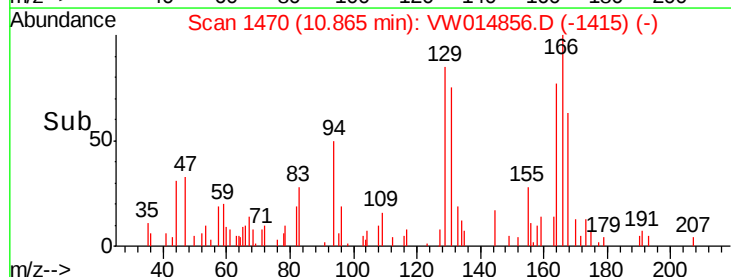
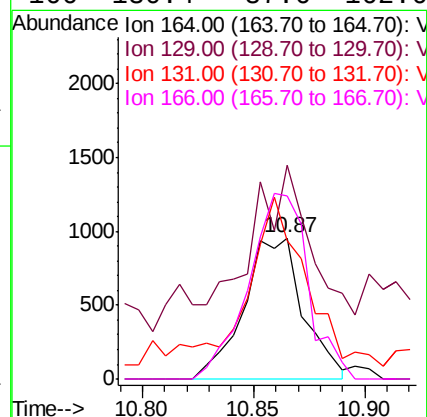
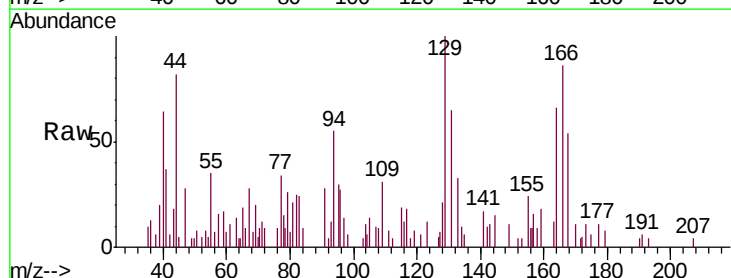
Ion Ratio Lower Upper

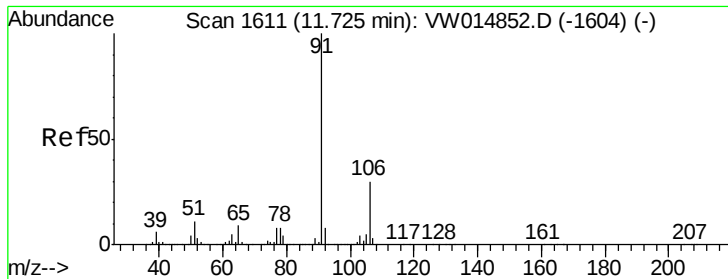
164 100

129 151.6 67.1 124.5#

131 97.8 62.2 115.6

166 130.4 87.6 162.6





#53

Ethylbenzene

Concen: 0.337 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014856.D

Acq: 04 Feb 2020 12:17

Instrument :

MSVOA_W

ClientSampleId :

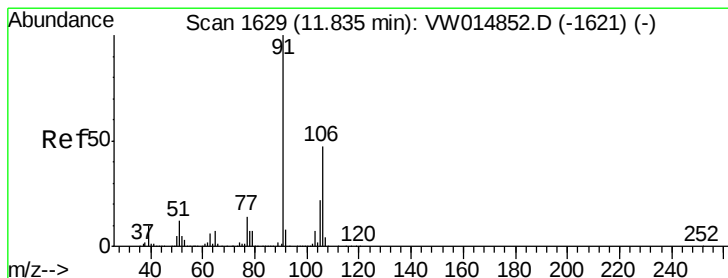
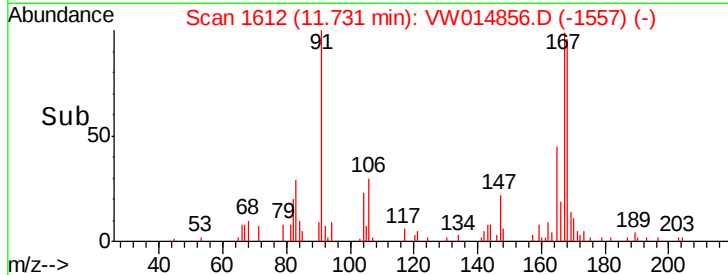
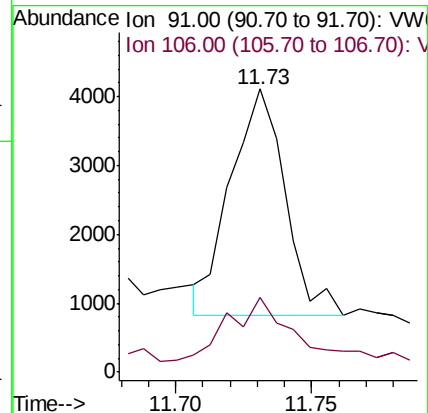
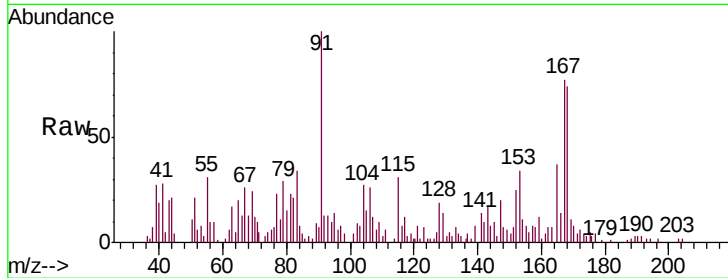
GAT57

Tgt Ion: 91 Resp: 4536

Ion Ratio Lower Upper

91 100

106 26.4 21.3 39.5



#54

m,p-Xylene

Concen: 2.215 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014856.D

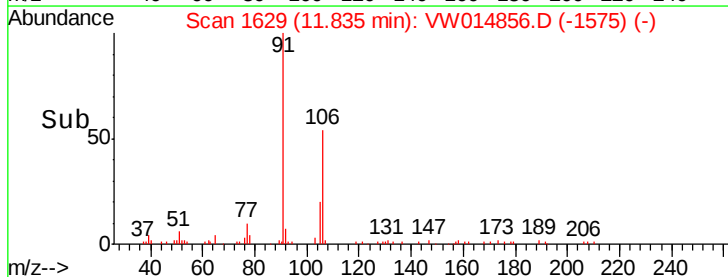
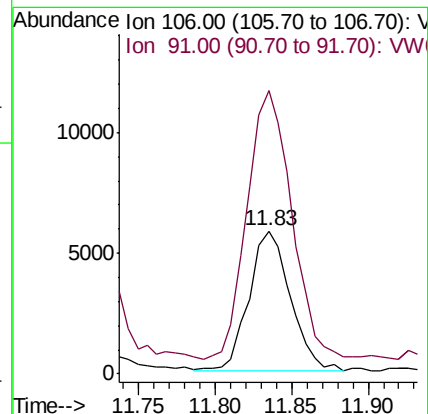
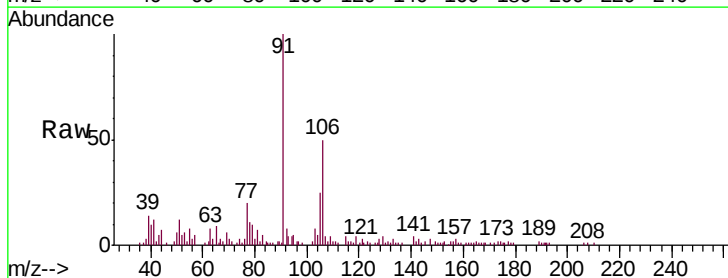
Acq: 04 Feb 2020 12:17

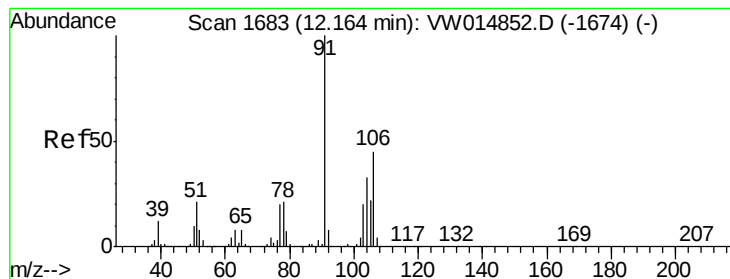
Tgt Ion: 106 Resp: 10919

Ion Ratio Lower Upper

106 100

91 198.2 145.3 269.9





#55

o-xylene

Concen: 1.490 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014856.D

Acq: 04 Feb 2020 12:17

Instrument :

MSVOA_W

ClientSampleId :

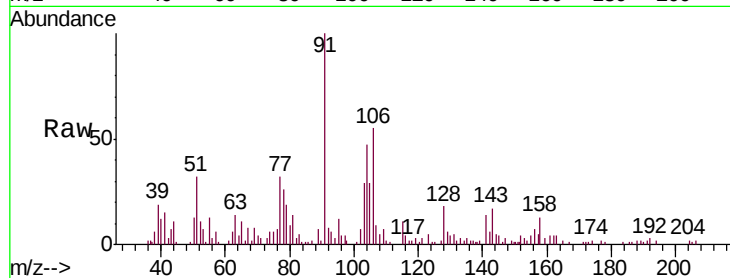
GAT57

Tgt Ion:106 Resp: 6842

Ion Ratio Lower Upper

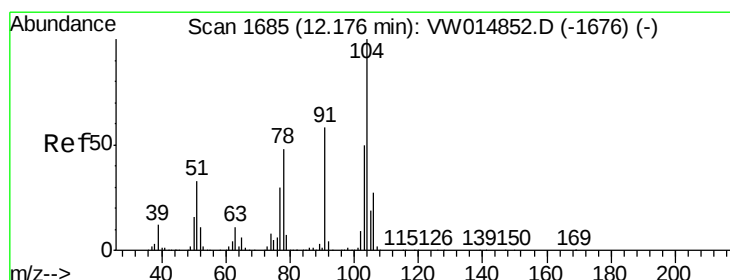
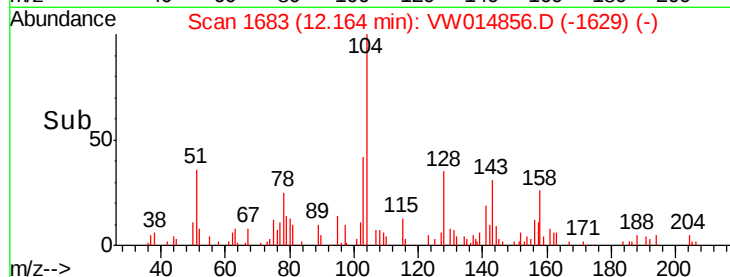
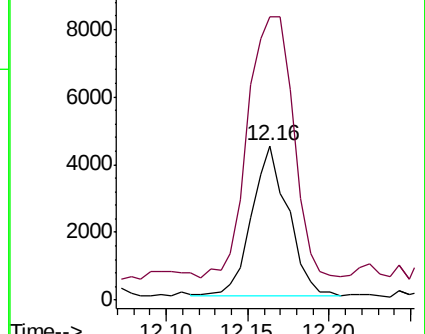
106 100

91 183.1 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.326 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014856.D

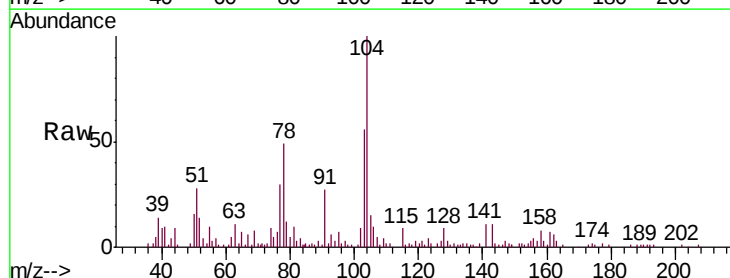
Acq: 04 Feb 2020 12:17

Tgt Ion:104 Resp: 18192

Ion Ratio Lower Upper

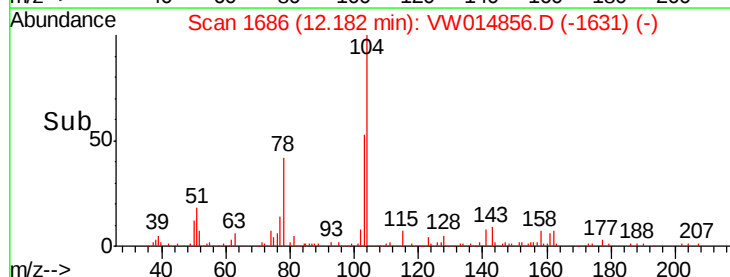
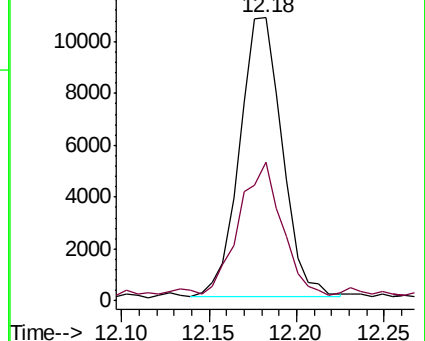
104 100

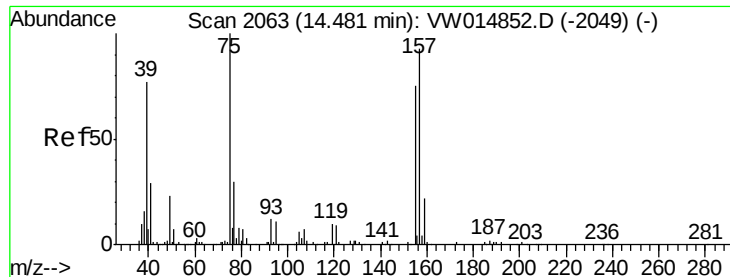
78 48.9 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

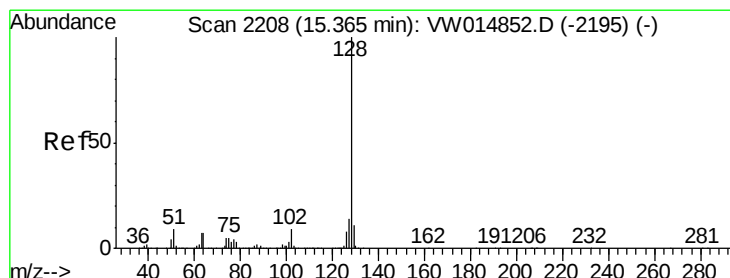
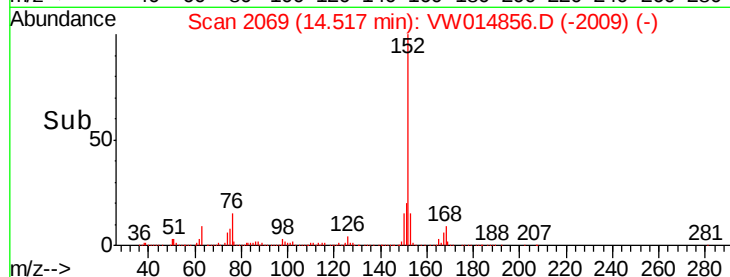
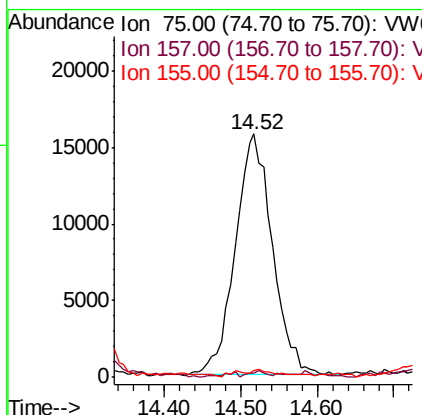
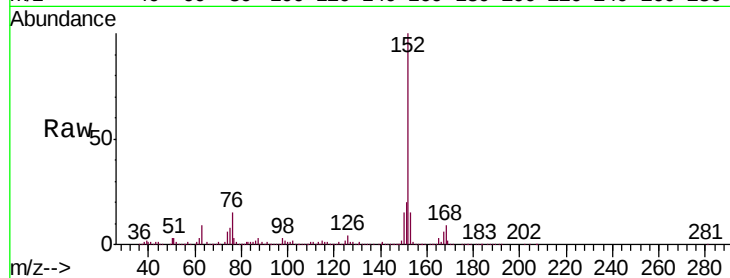




#66
 1,2-Dibromo-3-chloropropane
 Concen: 126.057 ug/L
 RT: 14.52 min Scan# 2069
 Delta R.T. 0.04 min
 Lab File: VW014856.D
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 GAT57

Tgt Ion: 75 Resp: 52745
 Ion Ratio Lower Upper
 75 100
 157 1.6 68.2 102.2#
 155 2.6 56.0 84.0#



#69
 Naphthalene
 Concen: 609.787 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014856.D
 Acq: 04 Feb 2020 12:17

Tgt Ion: 128 Resp: 3224905
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.7 13.1
 127 13.0 10.6 15.8

