

Data File : VW014849.D
Acq On : 03 Feb 2020 21:46
Operator : SY/VA
Sample : L1323-12
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT50

Quant Time: Feb 04 06:58:18 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	961202	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	826927	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	292851	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	229049	15.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.84%
7) Chloroethane-d5	2.89	69	225351	15.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.64%
10) 1,1-Dichloroethene-d2	4.01	63	408360	12.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.08%
20) 2-Butanone-d5	7.07	46	179539	31.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.46%
24) Chloroform-d	7.65	84	579515	18.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.76%
26) 1,2-Dichloroethane-d4	8.31	65	317223	18.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.76%
29) Benzene-d6	8.27	84	1221780	20.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.84%
33) 1,2-Dichloropropane-d6	9.27	67	405607	21.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.92%
37) Toluene-d8	10.32	98	1089491	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.64%
38) trans-1,3-Dichloropropene-	10.57	79	141811	18.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.00%
39) 2-Hexanone-d5	10.92	63	151878	40.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	251049	16.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.44%
61) 1,2-Dichlorobenzene-d4	13.55	152	280982	22.90	ug/L	-0.30
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.60%

Target Compounds

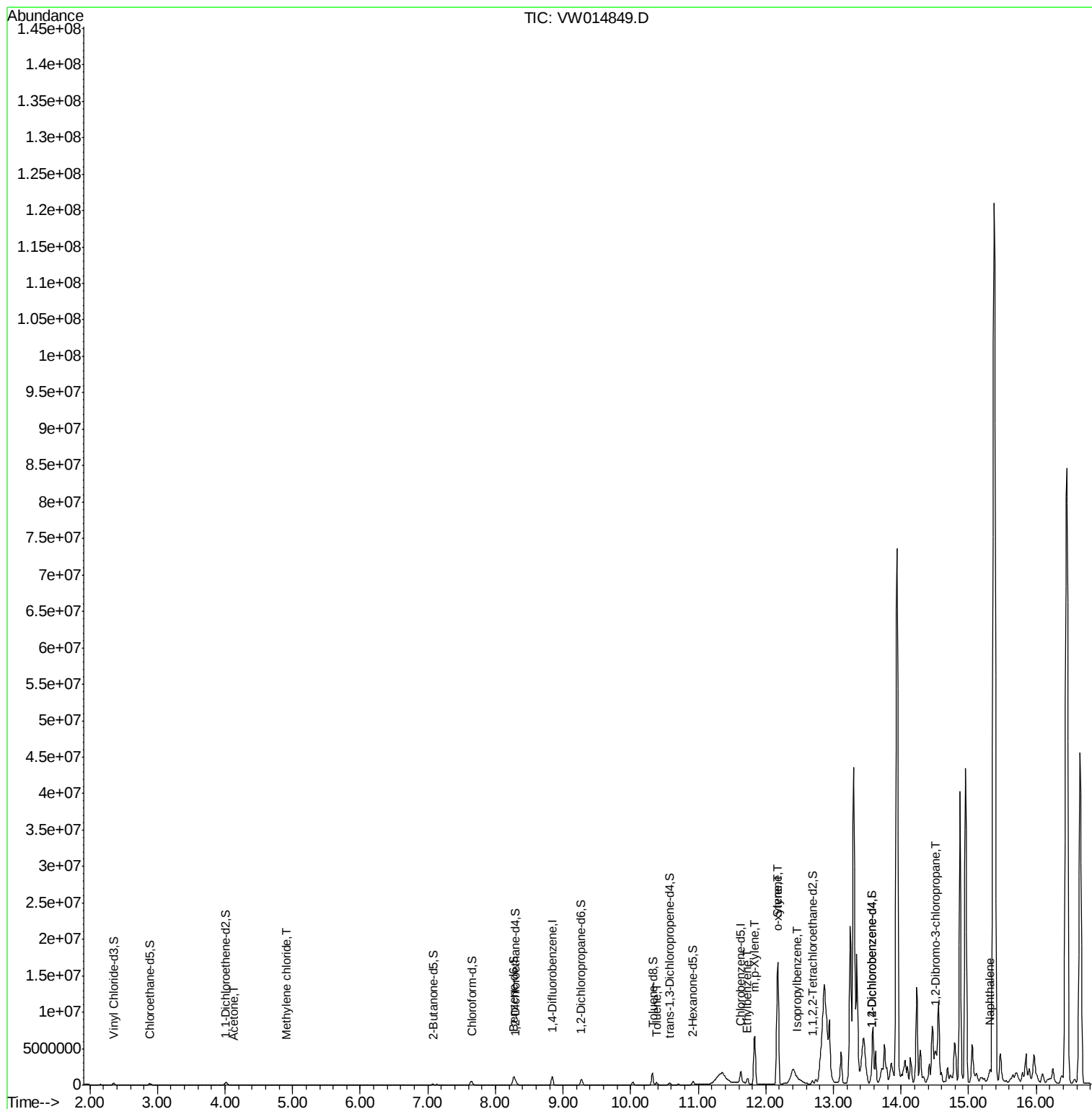
					Qvalue
13) Acetone	4.12	43	24889	4.067 ug/L	100
16) Methylene chloride	4.91	84	38916	2.193 ug/L	98
44) Toluene	10.38	91	266052	4.592 ug/L	99
53) Ethylbenzene	11.73	91	559379	8.911 ug/L	99
54) m,p-Xylene	11.84	106	2035323	88.605 ug/L	97
55) o-xylene	12.16	106	1471832	68.778 ug/L	96
56) Styrene	12.18	104	6954825	190.853 ug/L	96
57) Isopropylbenzene	12.46	105	47898	0.828 ug/L #	82
66) 1,2-Dibromo-3-chloropropan	14.51	75	522520	299.370 ug/L #	12
69) Naphthalene	15.32	128	307876	13.956 ug/L #	1

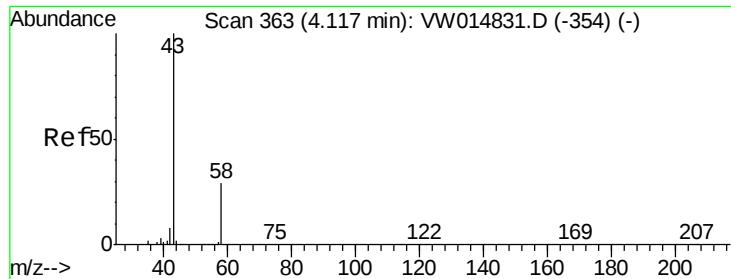
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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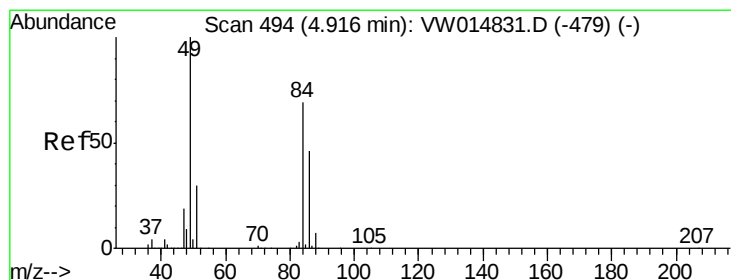
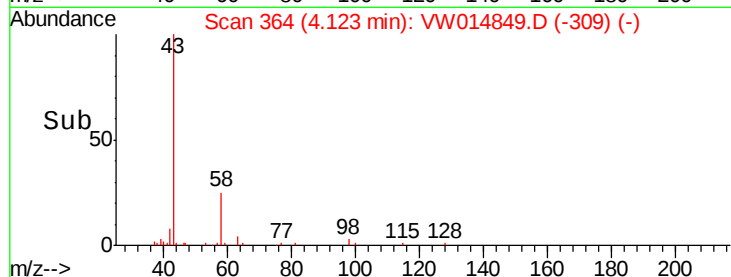
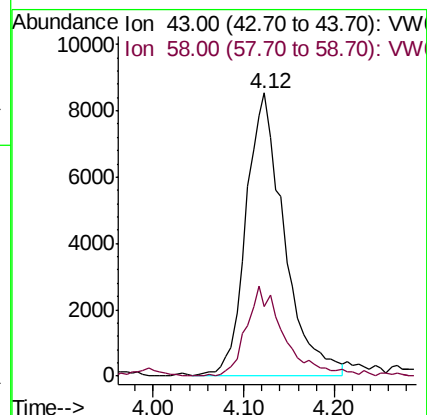
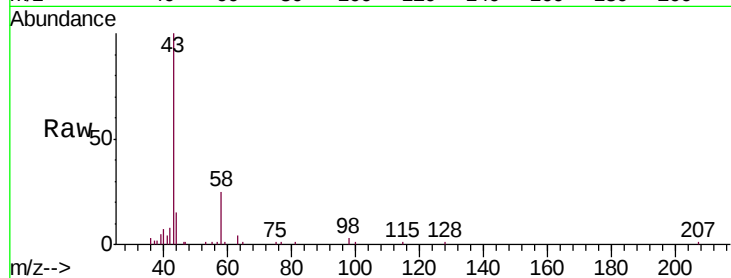




#13
Acetone
Concen: 4.067 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014849.D
Acq: 03 Feb 2020 21:46

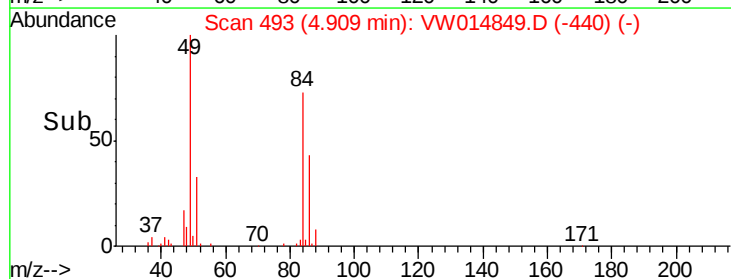
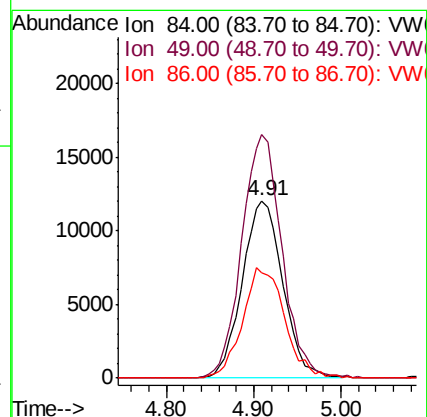
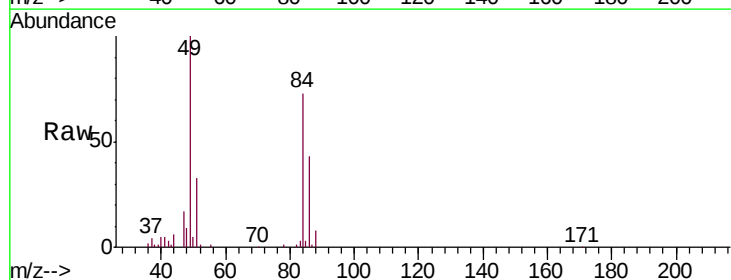
Instrument :
MSVOA_W
ClientSampleId :
GAT50

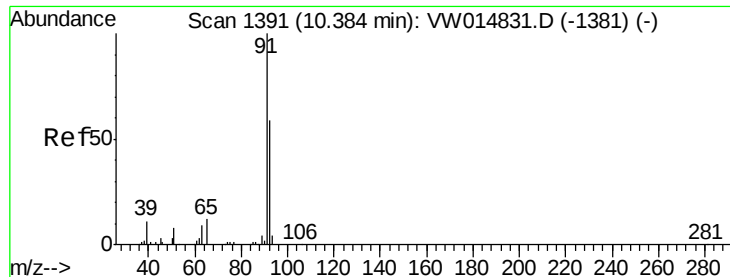
Tgt Ion: 43 Resp: 24889
Ion Ratio Lower Upper
43 100
58 30.3 0.0 60.2



#16
Methylene chloride
Concen: 2.193 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014849.D
Acq: 03 Feb 2020 21:46

Tgt Ion: 84 Resp: 38916
Ion Ratio Lower Upper
84 100
49 137.1 96.6 179.4
86 59.3 43.8 81.4





#44

Toluene

Concen: 4.592 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014849.D

Acq: 03 Feb 2020 21:46

Instrument :

MSVOA_W

ClientSampleId :

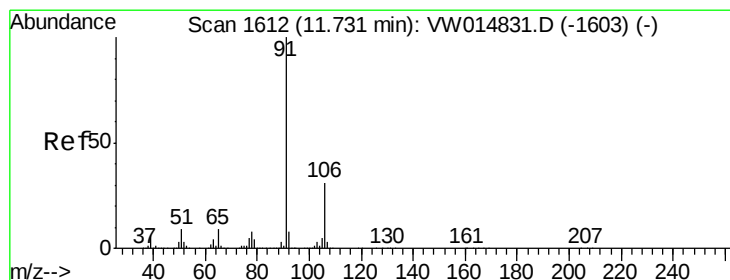
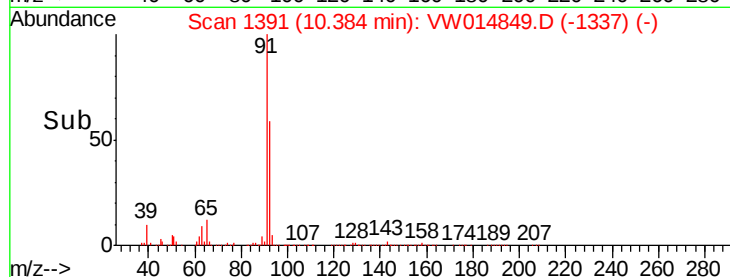
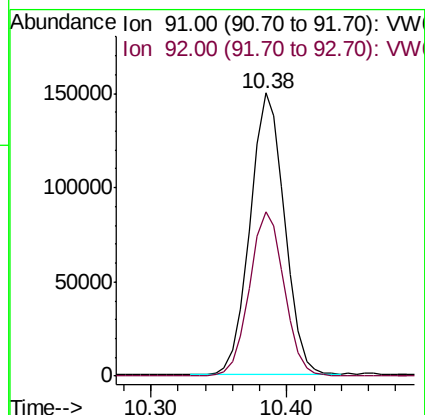
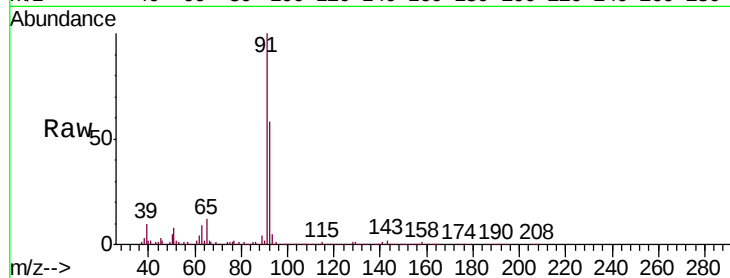
GAT50

Tgt Ion: 91 Resp: 266052

Ion Ratio Lower Upper

91 100

92 58.3 41.6 77.2



#53

Ethylbenzene

Concen: 8.911 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014849.D

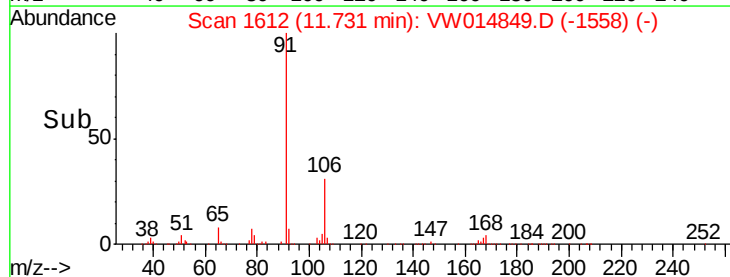
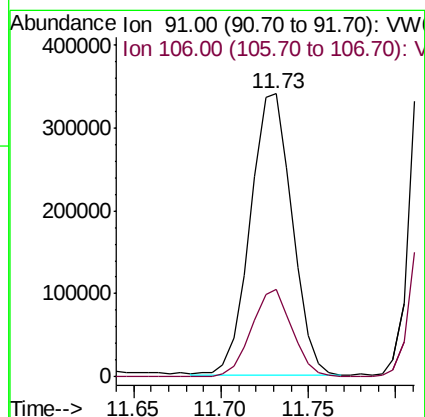
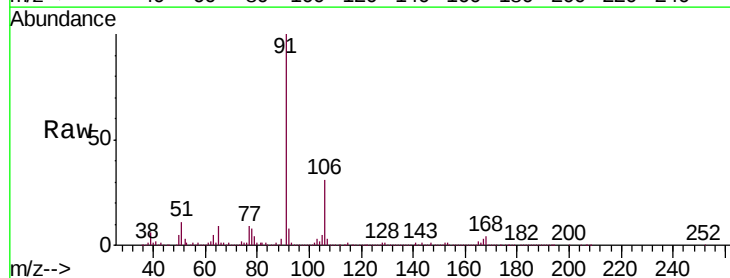
Acq: 03 Feb 2020 21:46

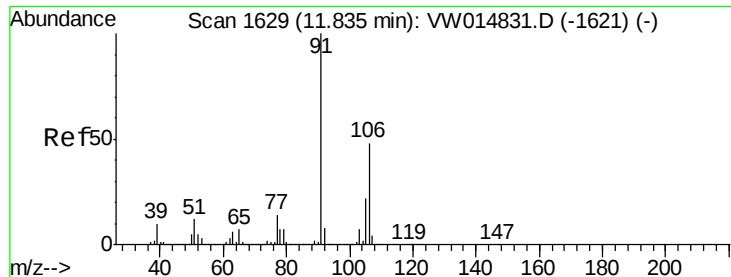
Tgt Ion: 91 Resp: 559379

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5





#54

m,p-Xylene

Concen: 88.605 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014849.D

Acq: 03 Feb 2020 21:46

Instrument :

MSVOA_W

ClientSampled :

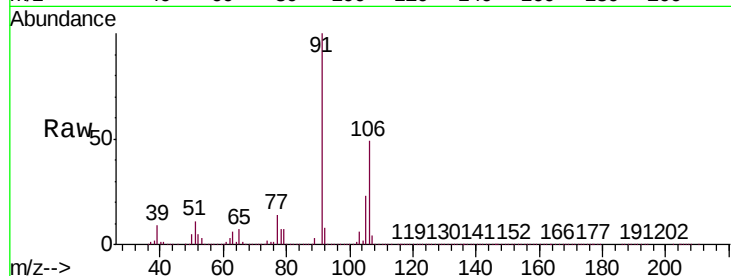
GAT50

Tgt Ion:106 Resp: 2035323

Ion Ratio Lower Upper

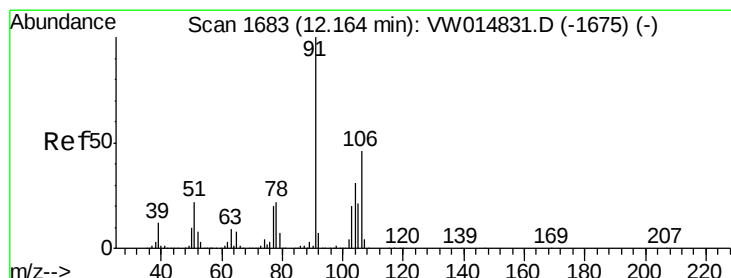
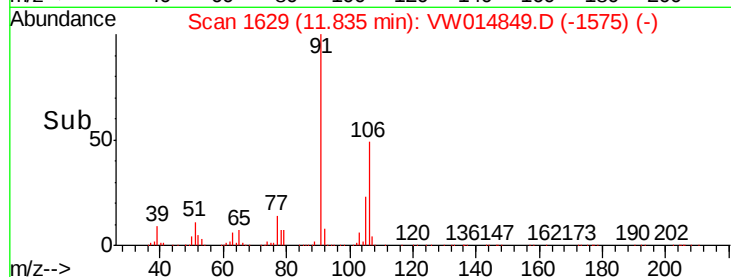
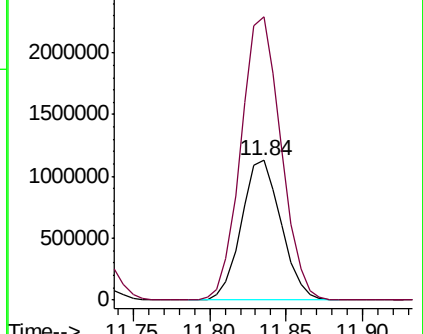
106 100

91 202.5 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 68.778 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014849.D

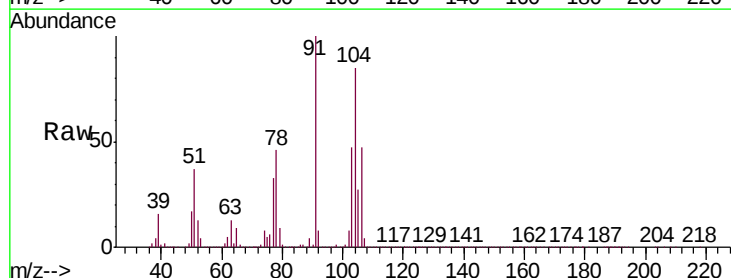
Acq: 03 Feb 2020 21:46

Tgt Ion:106 Resp: 1471832

Ion Ratio Lower Upper

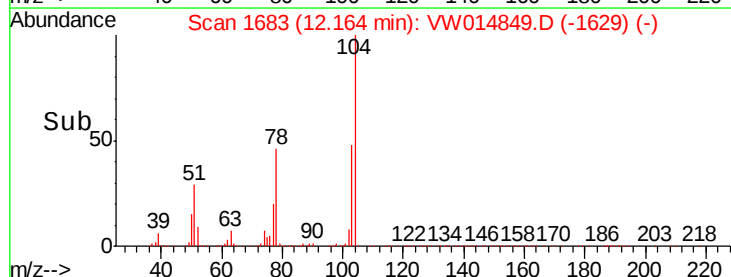
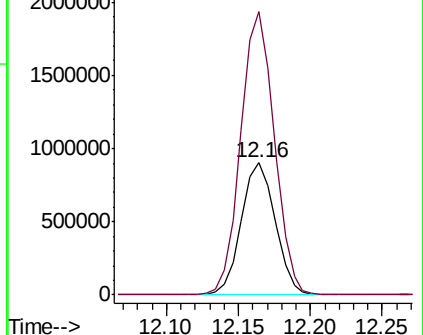
106 100

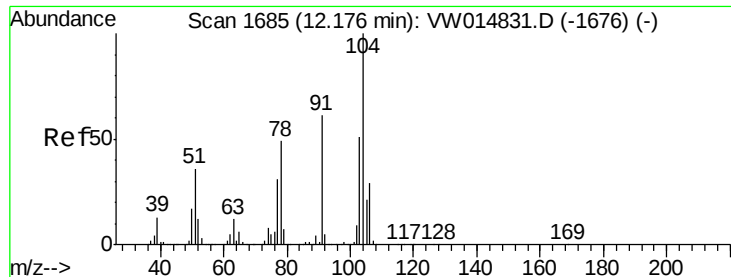
91 214.1 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 190.853 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014849.D

Acq: 03 Feb 2020 21:46

Instrument :

MSVOA_W

ClientSampleId :

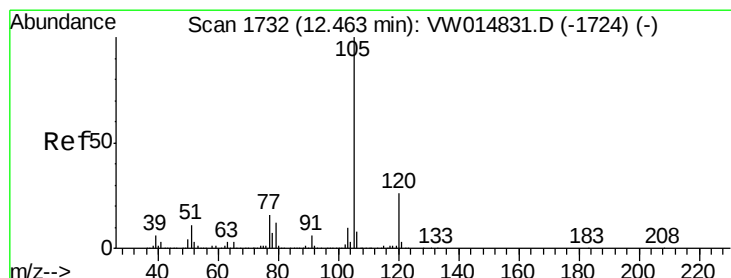
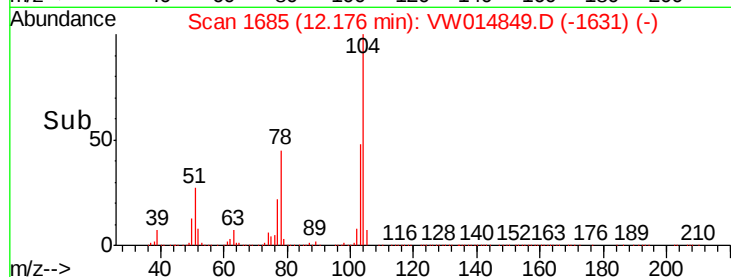
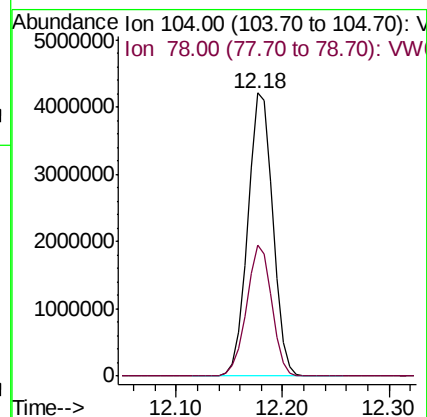
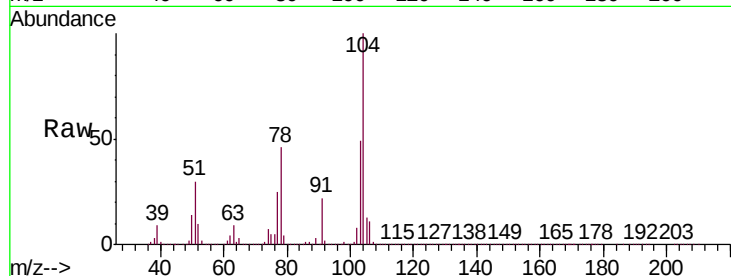
GAT50

Tgt Ion:104 Resp: 6954825

Ion Ratio Lower Upper

104 100

78 46.1 34.3 63.7



#57

Isopropylbenzene

Concen: 0.828 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014849.D

Acq: 03 Feb 2020 21:46

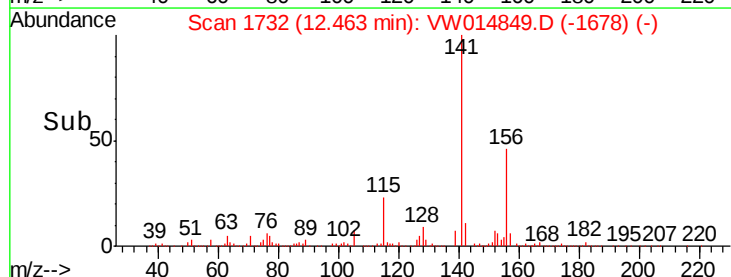
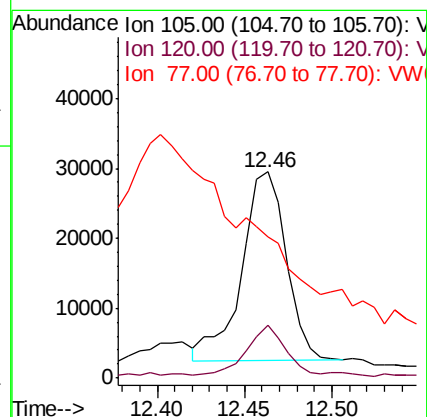
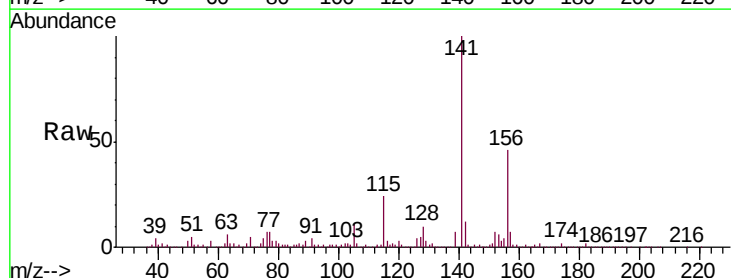
Tgt Ion:105 Resp: 47898

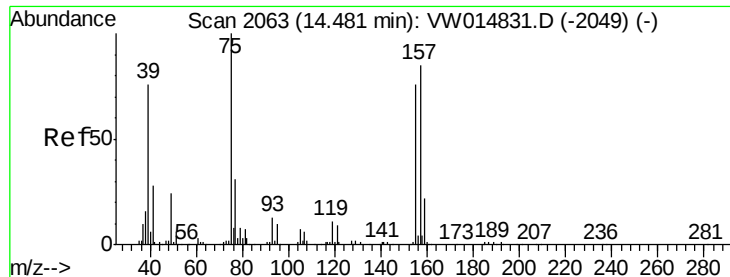
Ion Ratio Lower Upper

105 100

120 23.6 20.5 30.7

77 0.0 13.3 19.9#

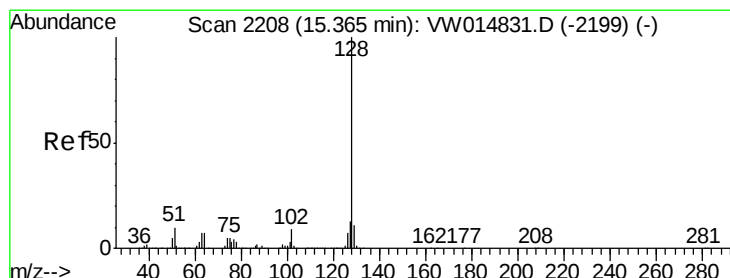
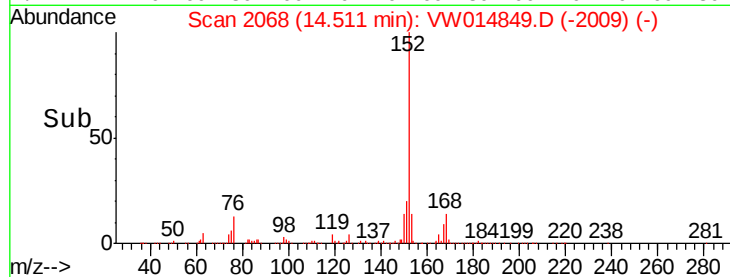
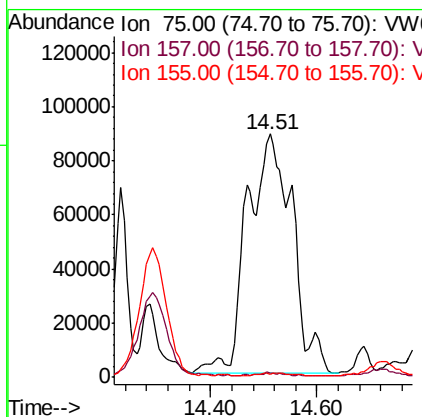
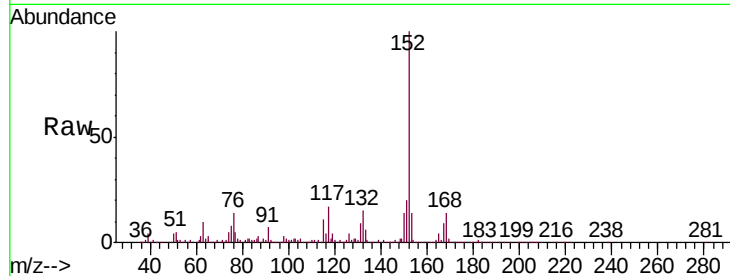




#66
1,2-Dibromo-3-chloropropane
Concen: 299.370 ug/L
RT: 14.51 min Scan# 2068
Delta R.T. 0.03 min
Lab File: VW014849.D
Acq: 03 Feb 2020 21:46

Instrument :
MSVOA_W
ClientSampleId :
GAT50

Tgt Ion: 75 Resp: 522520
Ion Ratio Lower Upper
75 100
157 1.5 68.2 102.2#
155 1.5 56.0 84.0#



#69
Naphthalene
Concen: 13.956 ug/L
RT: 15.32 min Scan# 2200
Delta R.T. -0.05 min
Lab File: VW014849.D
Acq: 03 Feb 2020 21:46

Tgt Ion: 128 Resp: 307876
Ion Ratio Lower Upper
128 100
129 103.0 8.7 13.1#
127 28.0 10.6 15.8#

