

Data File : VW014866.D
Acq On : 04 Feb 2020 18:24
Operator : SY/VA
Sample : L1324-08
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT65

Quant Time: Feb 05 03:45:32 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	1195361	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1008891	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.85	152	316249	25.00	ug/L	0.30

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	400651	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.60%
7) Chloroethane-d5	2.89	69	375748	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
10) 1,1-Dichloroethene-d2	4.20	63	363	0.01	ug/L	0.18
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.07	46	295259	41.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.92%
24) Chloroform-d	7.65	84	841644	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.31	65	480623	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.88%
29) Benzene-d6	8.27	84	1751586	24.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.52%
33) 1,2-Dichloropropane-d6	9.27	67	577107	24.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.04%
37) Toluene-d8	10.32	98	1457873	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.92%
38) trans-1,3-Dichloropropene-	10.57	79	206130	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.92	63	232620	50.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	393750	21.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	391182	29.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.08%

Target Compounds

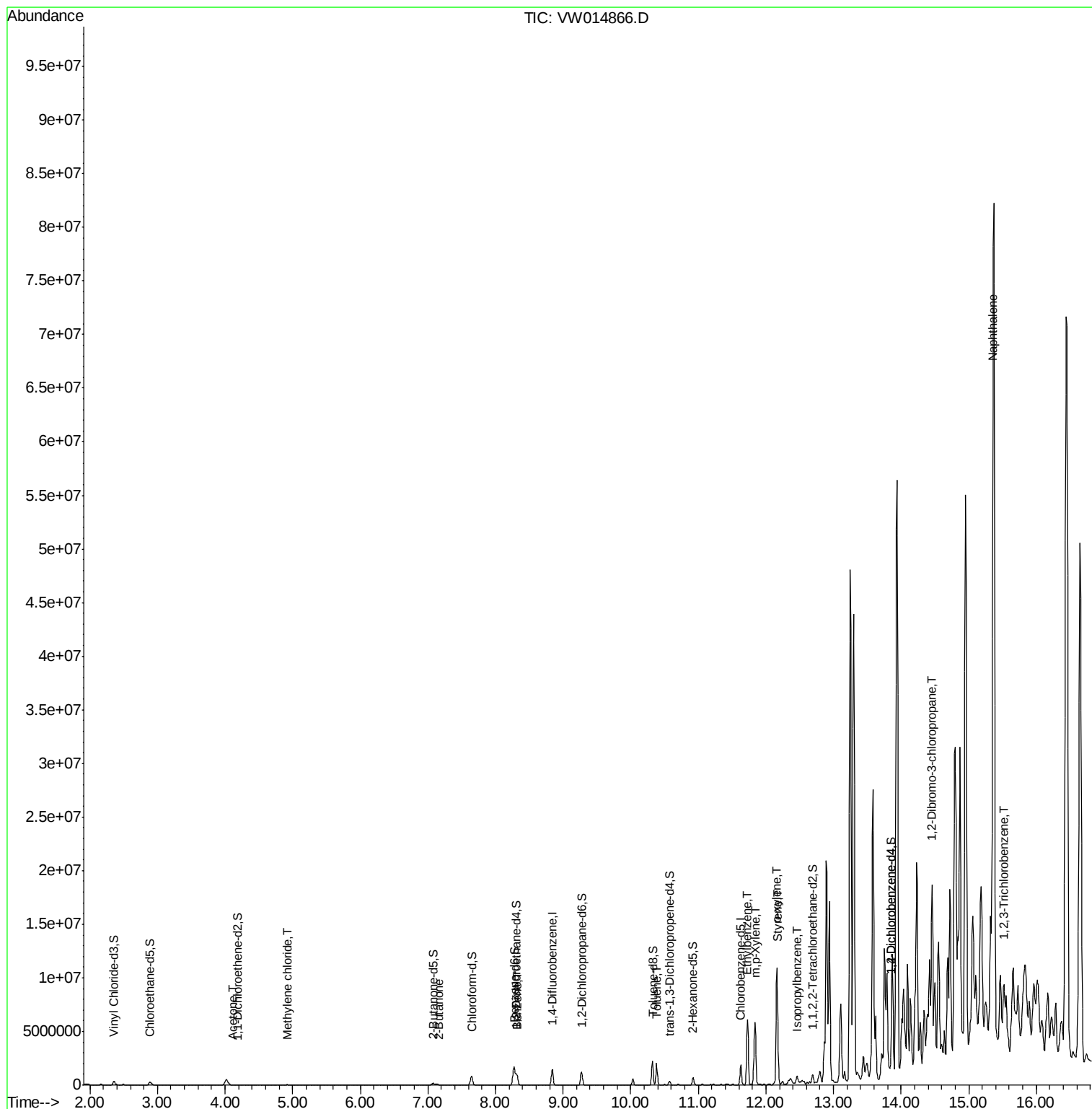
					Qvalue
13) Acetone	4.12	43	72950	9.586	ug/L 99
16) Methylene chloride	4.92	84	40695	1.844	ug/L 92
21) 2-Butanone	7.17	43	26267	3.216	ug/L 92
34) Benzene	8.32	78	603308	8.540	ug/L 100
44) Toluene	10.38	91	1451355	20.534	ug/L 99
53) Ethylbenzene	11.73	91	4320333	56.413	ug/L 100
54) m,p-Xylene	11.84	106	1650067	58.878	ug/L 98
55) o-xylene	12.16	106	2669615	102.249	ug/L 96
56) Styrene	12.18	104	755424	16.991	ug/L # 73
57) Isopropylbenzene	12.46	105	431026	6.105	ug/L 100
66) 1,2-Dibromo-3-chloropropan	14.46	75	203209	107.812	ug/L # 11
69) Naphthalene	15.35	128	3608537	151.472	ug/L # 1
70) 1,2,3-Trichlorobenzene	15.52	180	18218	1.679	ug/L # 1

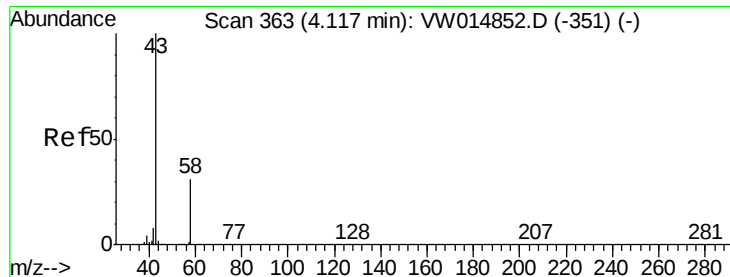
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 9.586 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

Instrument :

MSVOA_W

ClientSampleId :

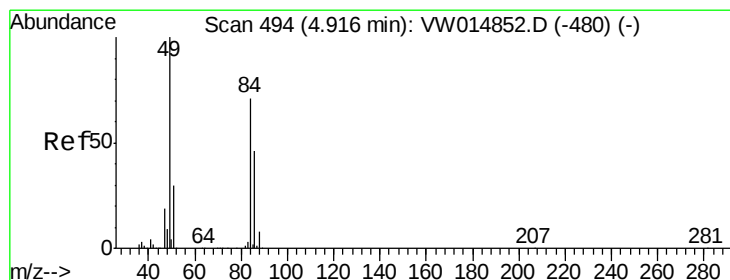
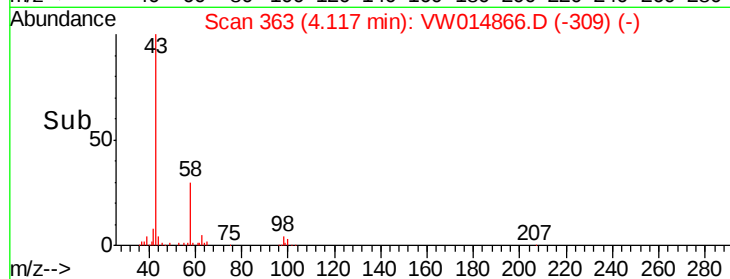
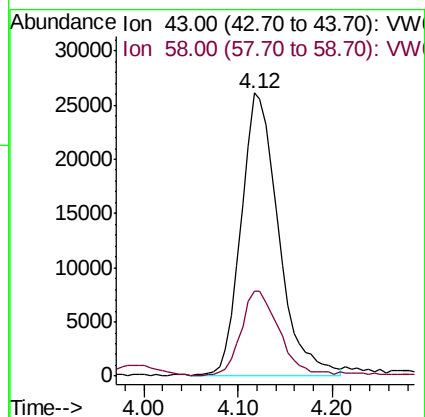
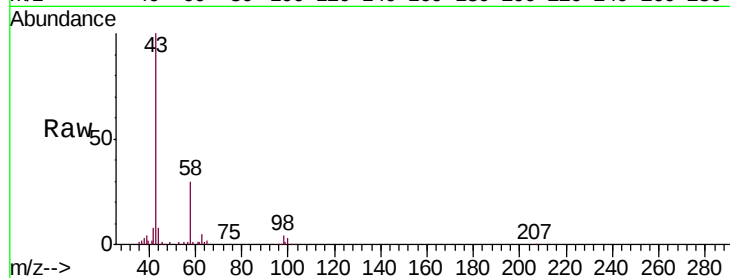
GAT65

Tgt Ion: 43 Resp: 72950

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.2



#16

Methylene chloride

Concen: 1.844 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

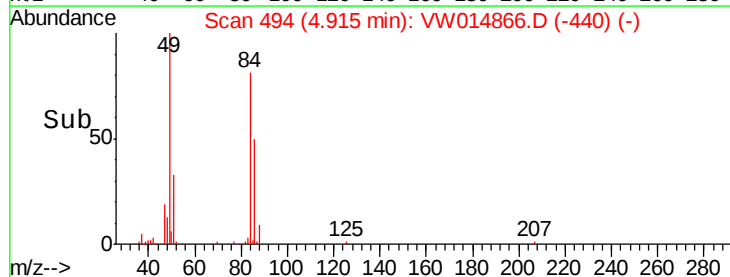
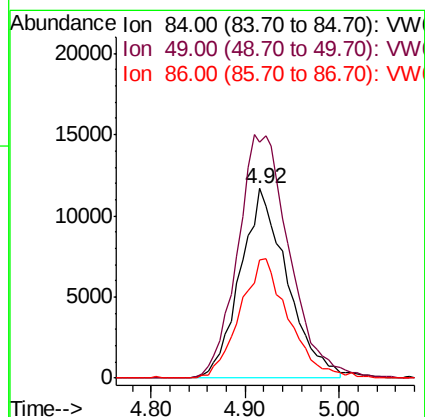
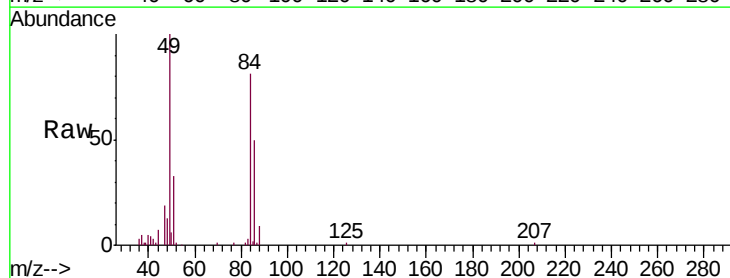
Tgt Ion: 84 Resp: 40695

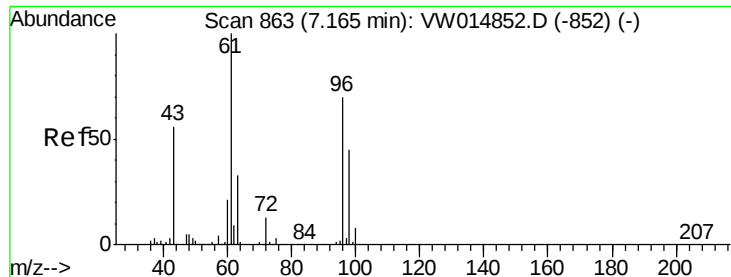
Ion Ratio Lower Upper

84 100

49 124.2 96.6 179.4

86 62.3 43.8 81.4





#21

2-Butanone

Concen: 3.216 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

Instrument :

MSVOA_W

ClientSampled :

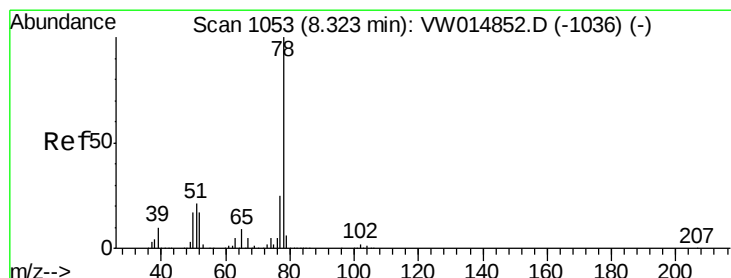
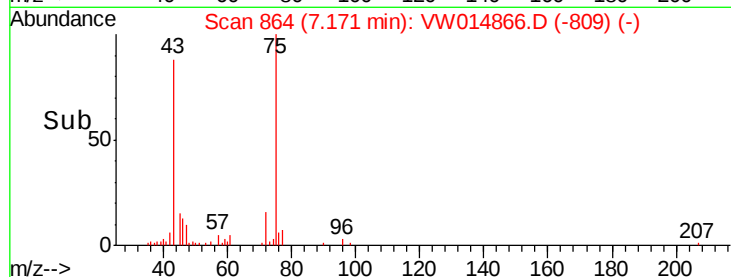
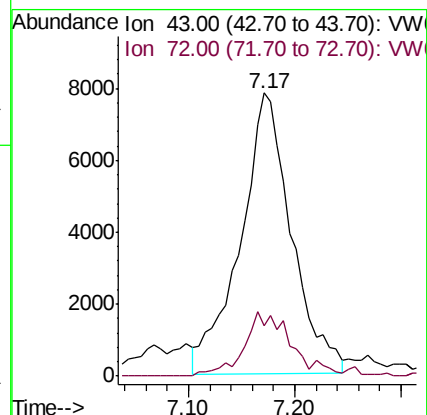
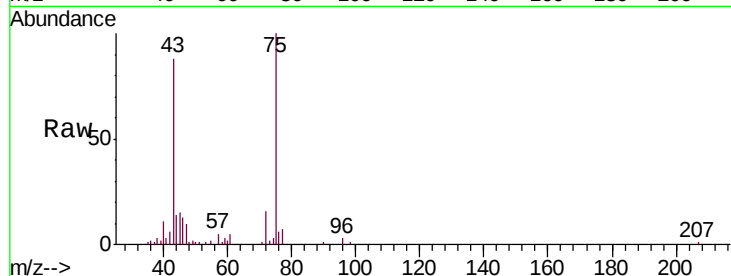
GAT65

Tgt Ion: 43 Resp: 26267

Ion Ratio Lower Upper

43 100

72 19.5 11.7 35.0



#34

Benzene

Concen: 8.540 ug/L

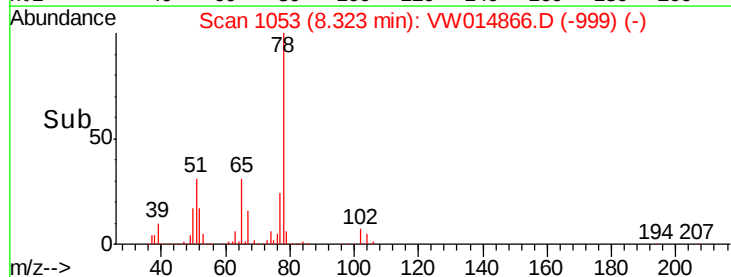
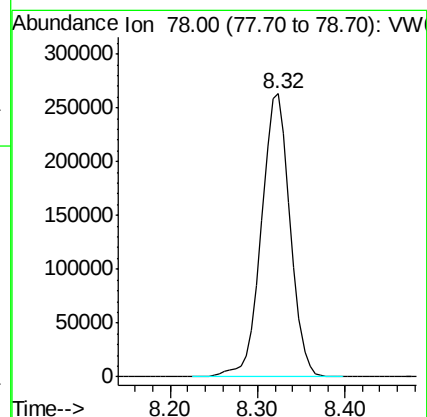
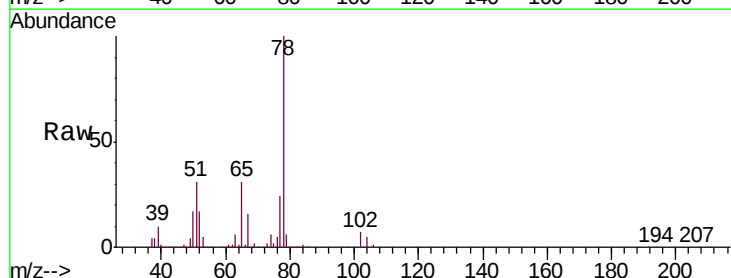
RT: 8.32 min Scan# 1053

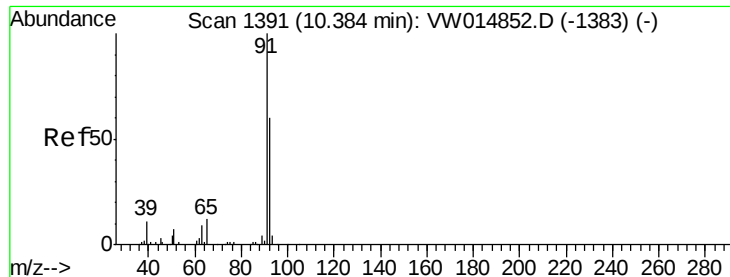
Delta R.T. -0.00 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

Tgt Ion: 78 Resp: 603308





#44

Toluene

Concen: 20.534 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

Instrument :

MSVOA_W

ClientSampleId :

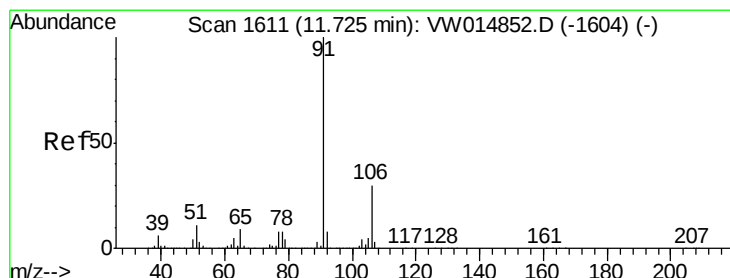
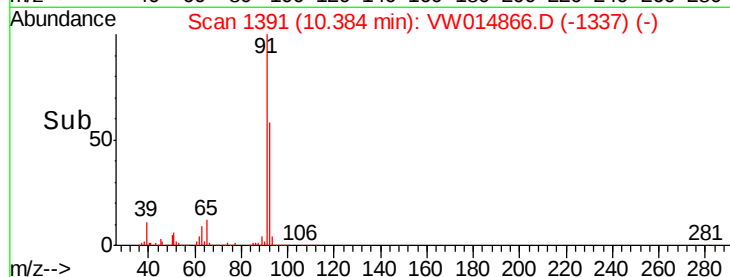
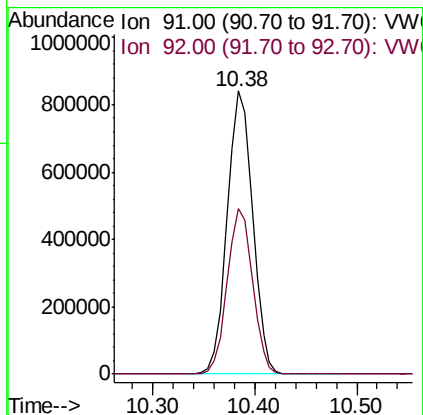
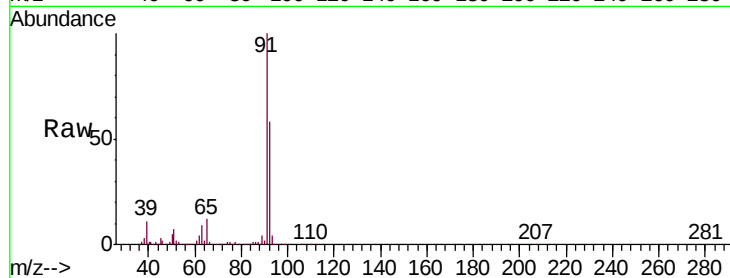
GAT65

Tgt Ion: 91 Resp: 1451355

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.2



#53

Ethylbenzene

Concen: 56.413 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014866.D

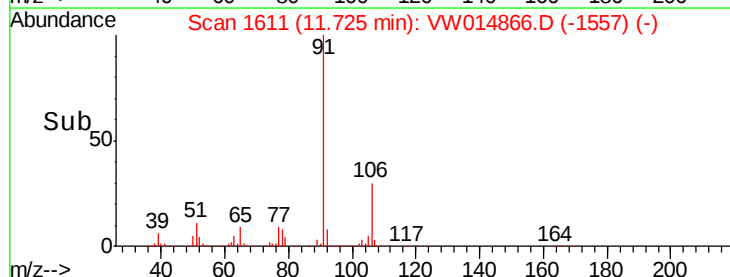
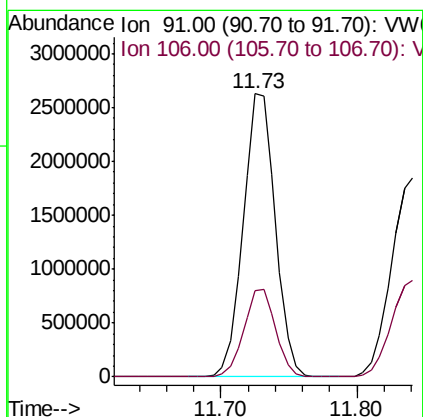
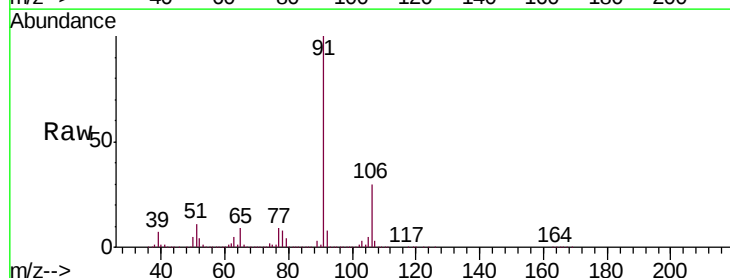
Acq: 04 Feb 2020 18:24

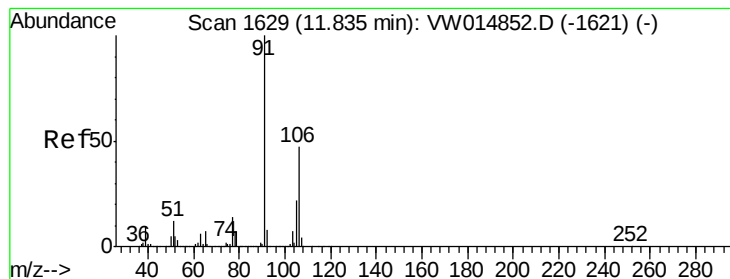
Tgt Ion: 91 Resp: 4320333

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5





#54

m,p-Xylene

Concen: 58.878 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

Instrument :

MSVOA_W

ClientSampleId :

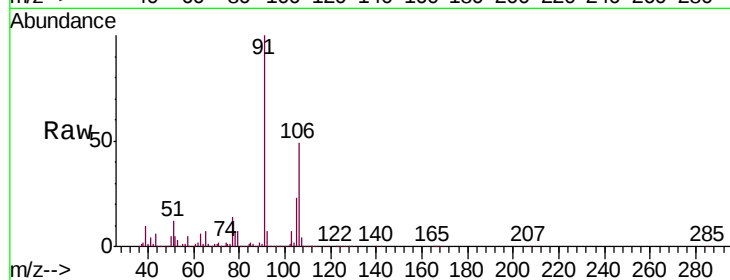
GAT65

Tgt Ion:106 Resp: 1650067

Ion Ratio Lower Upper

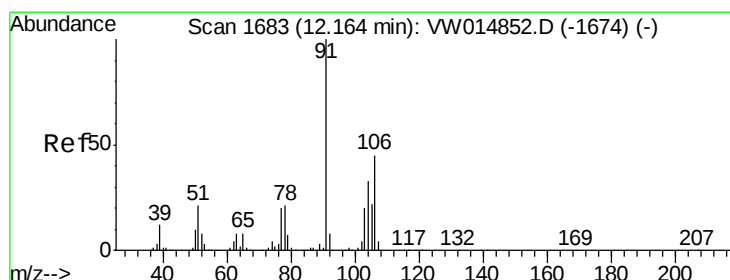
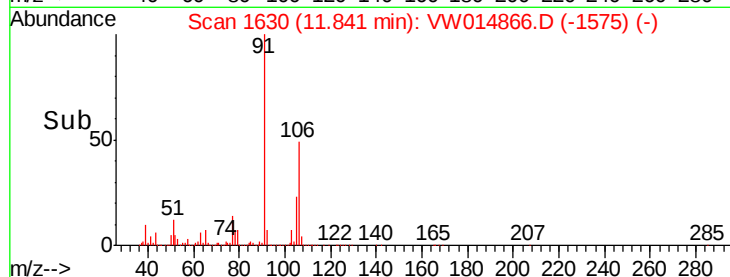
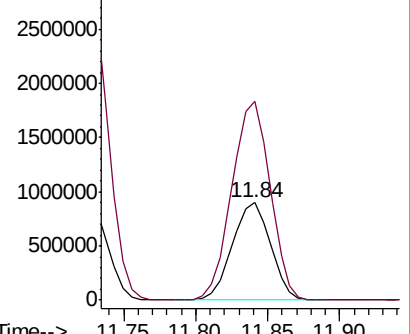
106 100

91 205.0 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 102.249 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014866.D

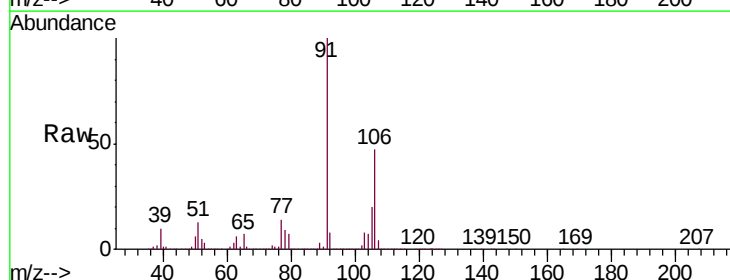
Acq: 04 Feb 2020 18:24

Tgt Ion:106 Resp: 2669615

Ion Ratio Lower Upper

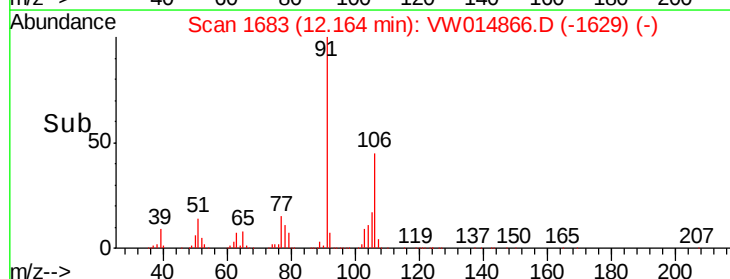
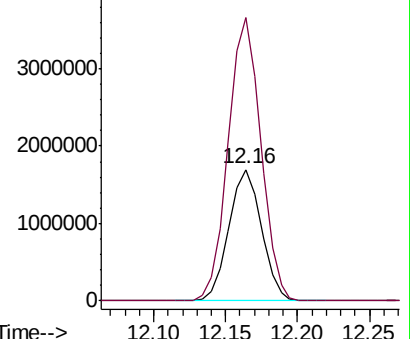
106 100

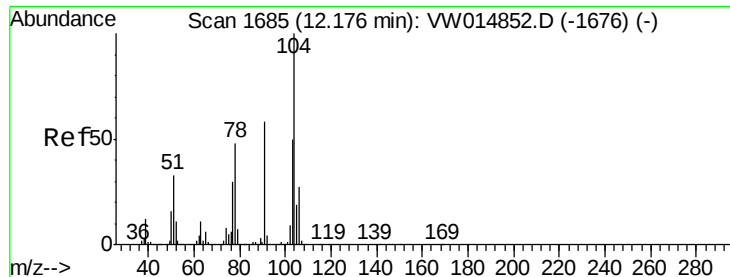
91 215.0 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 16.991 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

Instrument :

MSVOA_W

ClientSampleId :

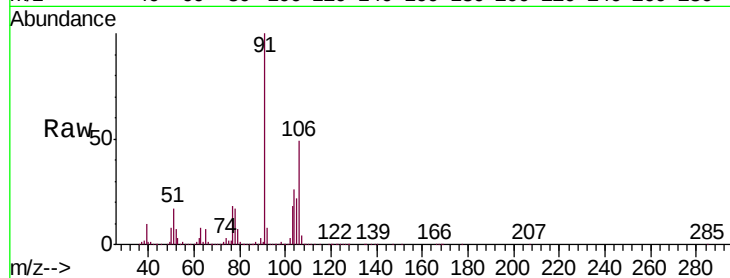
GAT65

Tgt Ion:104 Resp: 755424

Ion Ratio Lower Upper

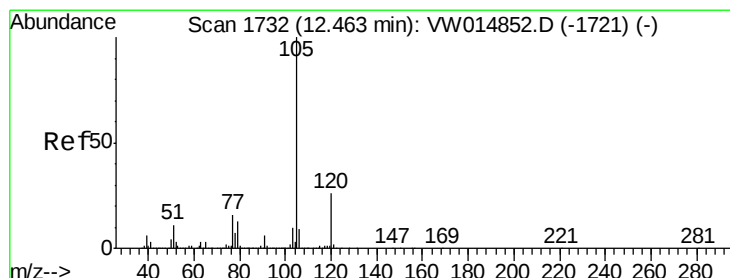
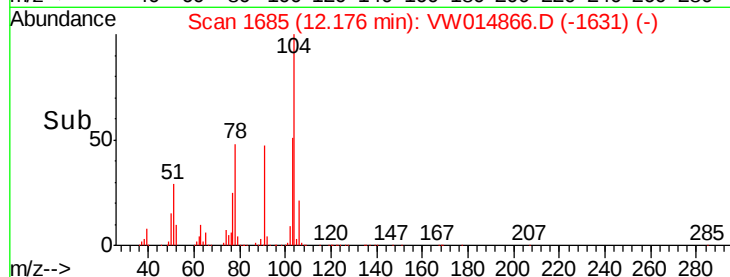
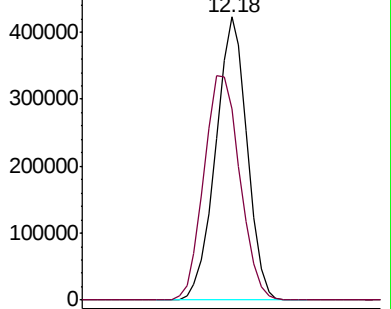
104 100

78 67.4 34.3 63.7#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 6.105 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014866.D

Acq: 04 Feb 2020 18:24

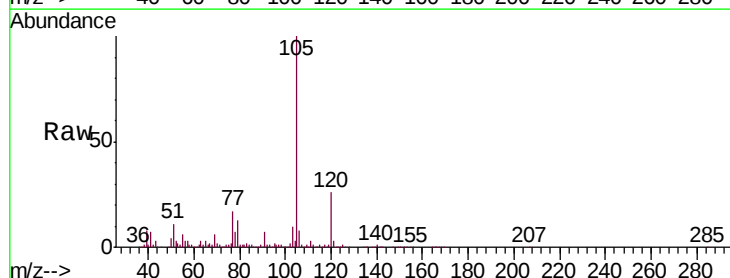
Tgt Ion:105 Resp: 431026

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

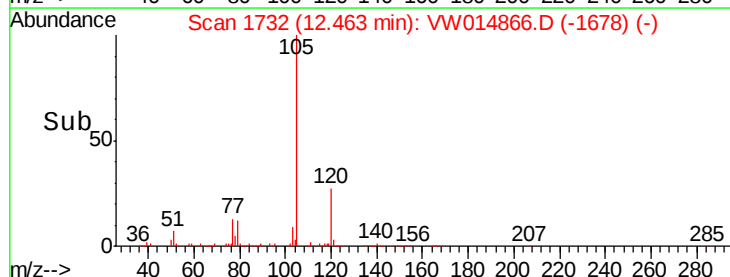
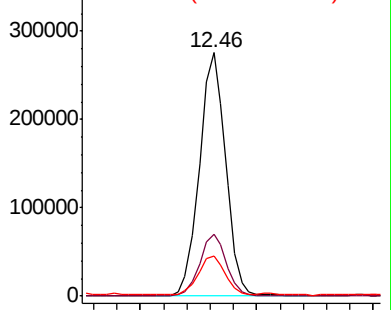
77 16.2 13.3 19.9

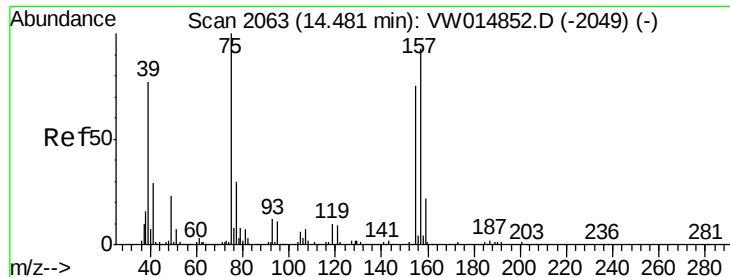


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

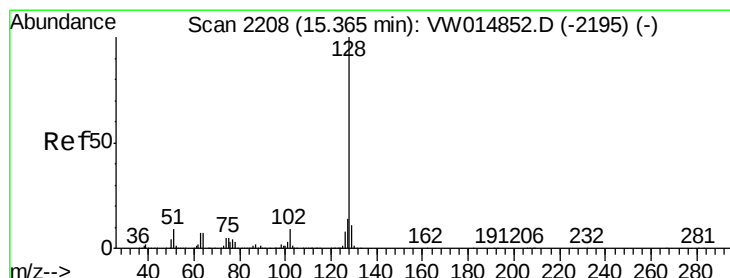
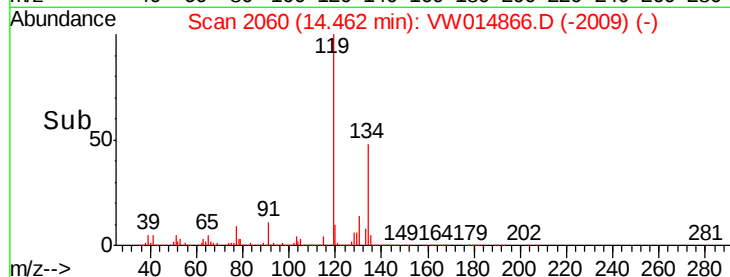
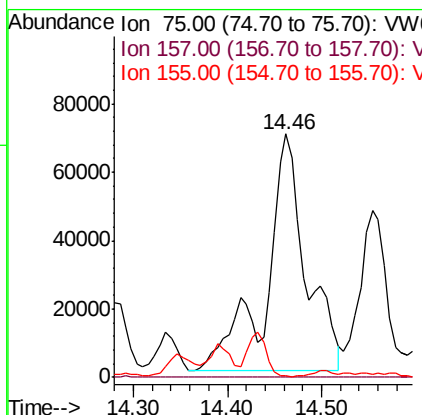
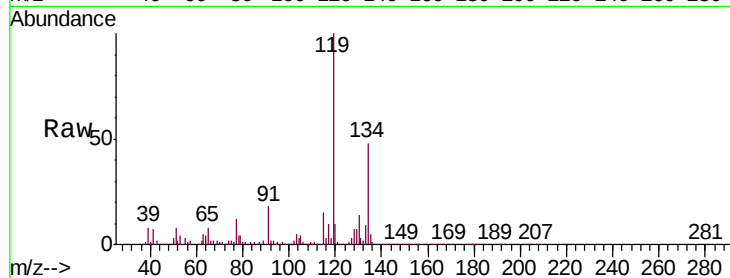




#66
 1,2-Dibromo-3-chloropropane
 Concen: 107.812 ug/L
 RT: 14.46 min Scan# 2060
 Delta R.T. -0.02 min
 Lab File: VW014866.D
 Acq: 04 Feb 2020 18:24

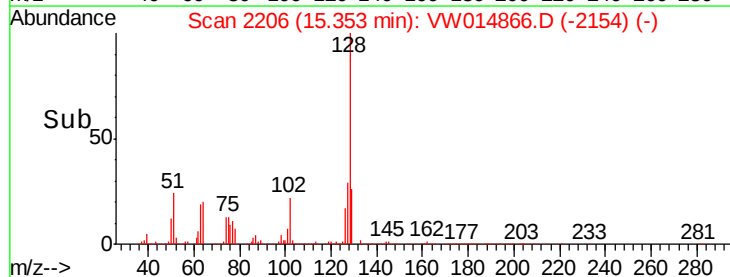
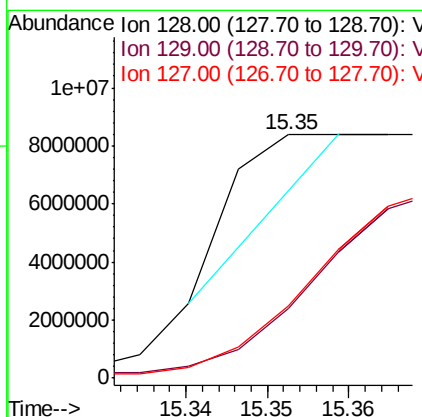
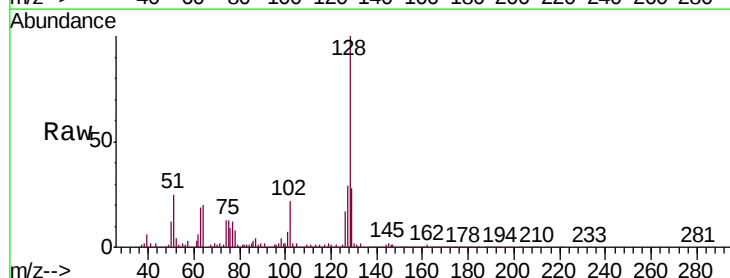
Instrument :
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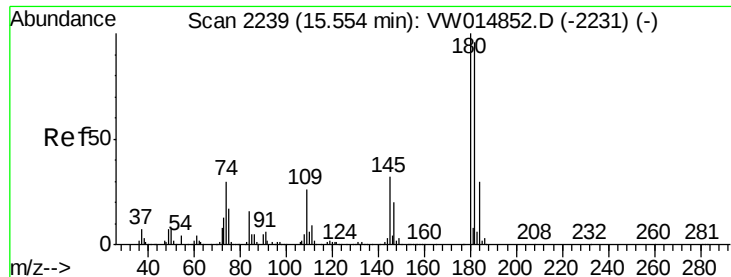
Tgt Ion: 75 Resp: 203209
 Ion Ratio Lower Upper
 75 100
 157 0.0 68.2 102.2#
 155 0.7 56.0 84.0#



#69
 Naphthalene
 Concen: 151.472 ug/L
 RT: 15.35 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: VW014866.D
 Acq: 04 Feb 2020 18:24

Tgt Ion: 128 Resp: 3608537
 Ion Ratio Lower Upper
 128 100
 129 334.9 8.7 13.1#
 127 355.8 10.6 15.8#





#70
 1,2,3-Trichlorobenzene
 Concen: 1.679 ug/L
 RT: 15.52 min Scan# 2234
 Delta R.T. -0.03 min
 Lab File: VW014866.D
 Acq: 04 Feb 2020 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT65

Tgt Ion:180 Resp: 18218
 Ion Ratio Lower Upper
 180 100
 182 43.1 76.4 114.6#
 145 14579.7 25.7 38.5#

