

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011720\
 Data File : VW014681.D
 Acq On : 17 Jan 2020 11:49
 Operator : SY/VA
 Sample : L1109-05
 Misc : 4.99G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG4

Quant Time: Jan 17 14:32:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 14:29:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1255386	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1099222	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	453843	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	329981	18.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.60%
7) Chloroethane-d5	2.89	69	264916	20.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.28%
10) 1,1-Dichloroethene-d2	4.01	63	479367	14.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.24%
20) 2-Butanone-d5	7.07	46	136143	32.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.66%
24) Chloroform-d	7.64	84	601698	20.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.32%
26) 1,2-Dichloroethane-d4	8.30	65	291929	19.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.92%
29) Benzene-d6	8.27	84	1299178	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	394399	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.32	98	1174341	22.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.64%
38) trans-1,3-Dichloropropene-	10.57	79	140580	19.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.48%
39) 2-Hexanone-d5	10.92	63	106039	35.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	233184	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	327035	21.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.48%

Target Compounds

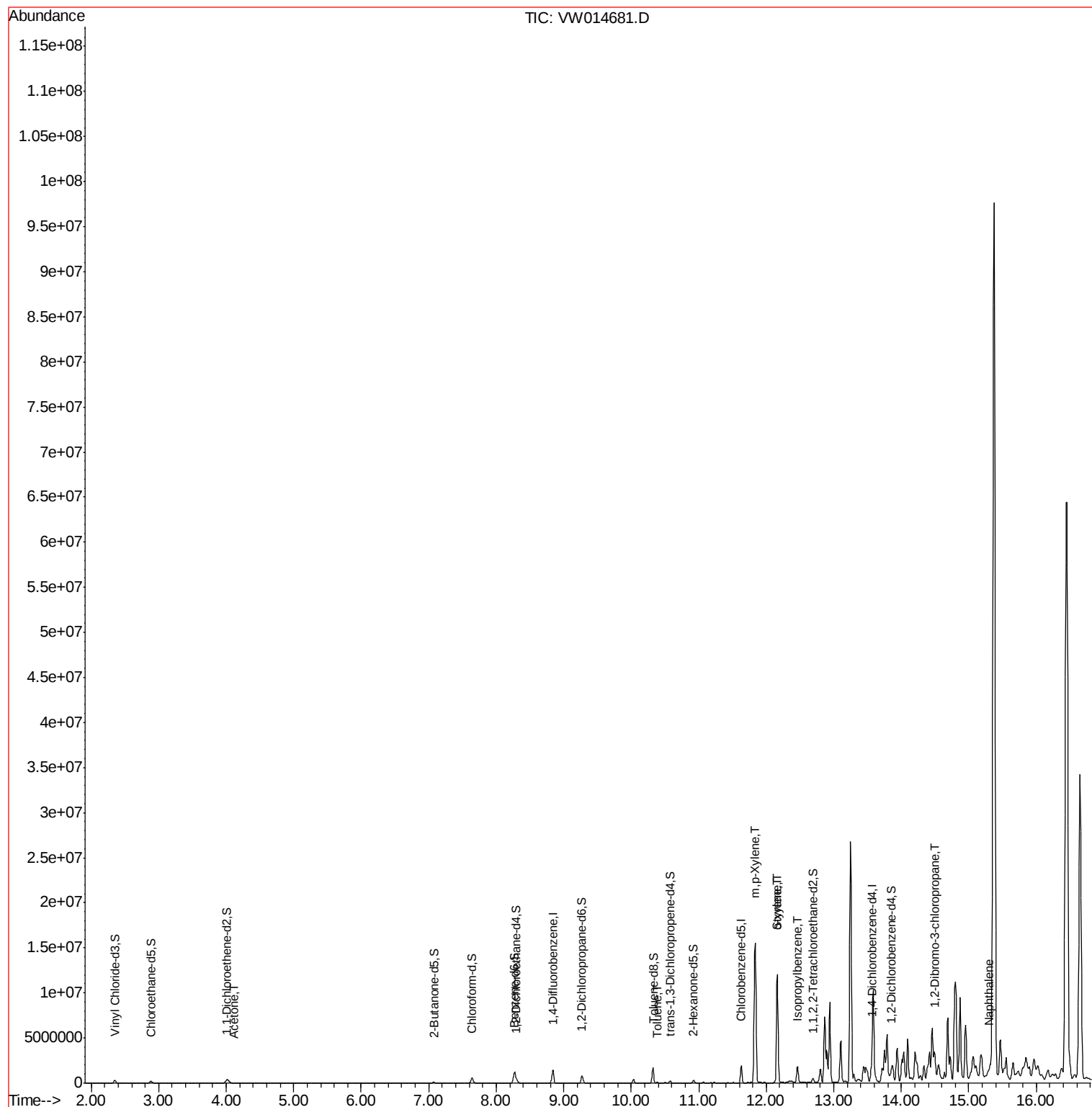
						Qvalue
13) Acetone	4.12	43	14785	2.54	ug/L	100
44) Toluene	10.38	91	74257	1.07	ug/L	98
54) m,p-Xylene	11.83	106	5162927	179.50	ug/L	90
55) o-xylene	12.16	106	3360928	123.71	ug/L	95
56) Styrene	12.16	104	178234	3.90	ug/L #	1
57) Isopropylbenzene	12.46	105	1201241	16.62	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	78277	41.04	ug/L #	1
69) Naphthalene	15.29	128	63938	2.32	ug/L #	1

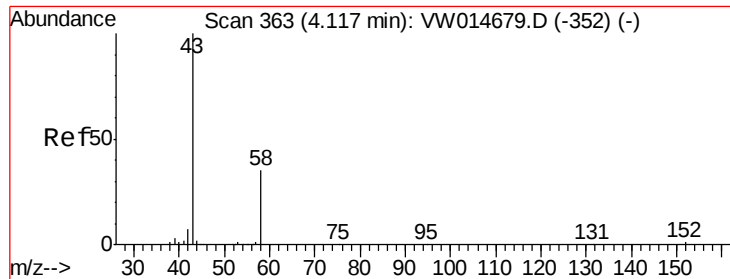
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jan 17 14:29:33 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.54 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

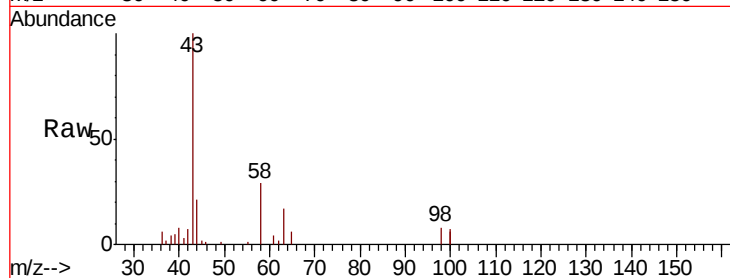
GASG4

Tgt Ion: 43 Resp: 14785

Ion Ratio Lower Upper

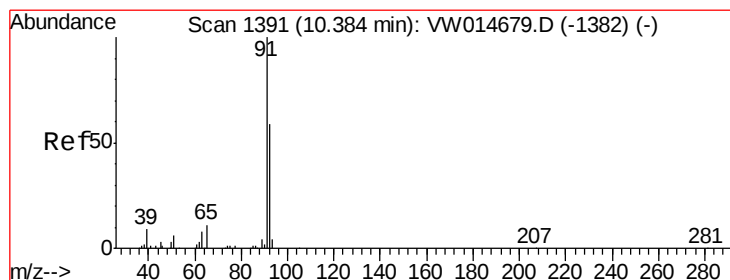
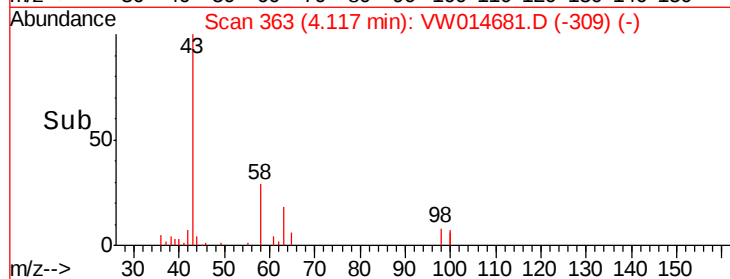
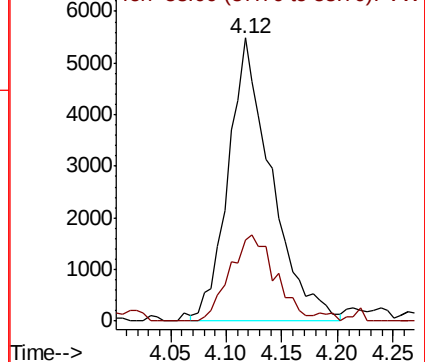
43 100

58 31.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#44

Toluene

Concen: 1.07 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014681.D

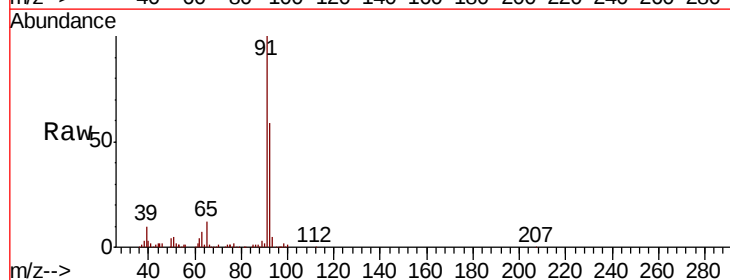
Acq: 17 Jan 2020 11:49

Tgt Ion: 91 Resp: 74257

Ion Ratio Lower Upper

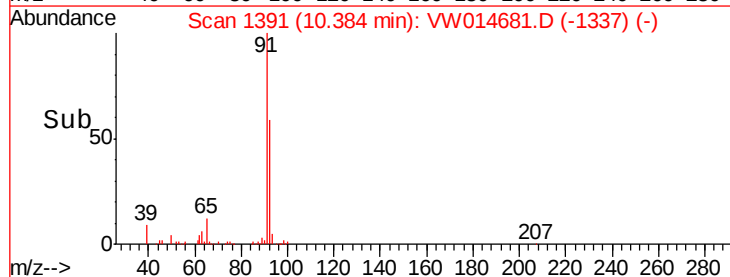
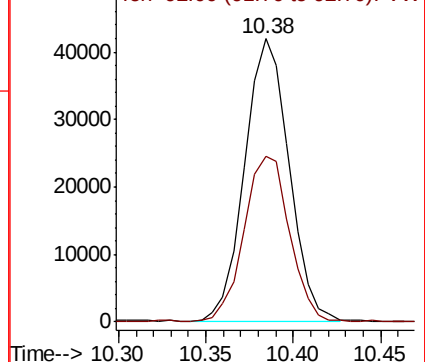
91 100

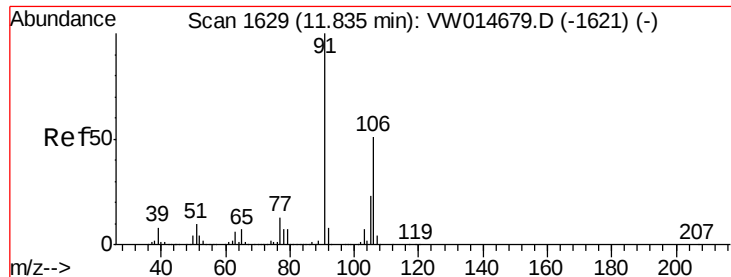
92 58.7 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#54

m,p-Xylene

Concen: 179.50 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

Instrument :

MSVOA_W

ClientSampled :

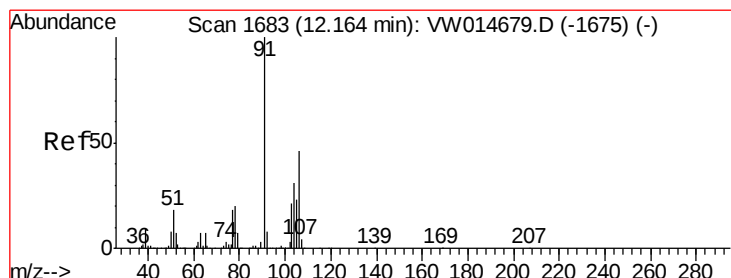
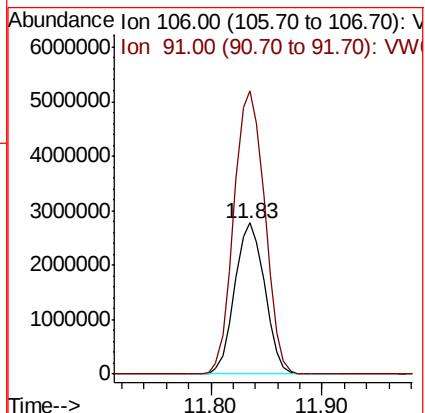
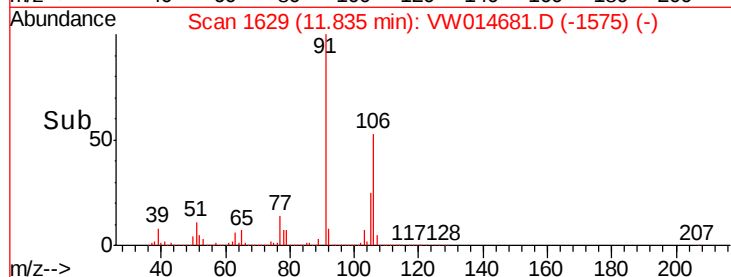
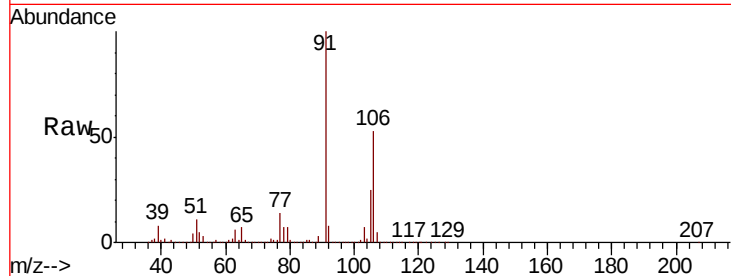
GASG4

Tgt Ion:106 Resp: 5162927

Ion Ratio Lower Upper

106 100

91 187.1 142.2 264.0



#55

o-xylene

Concen: 123.71 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014681.D

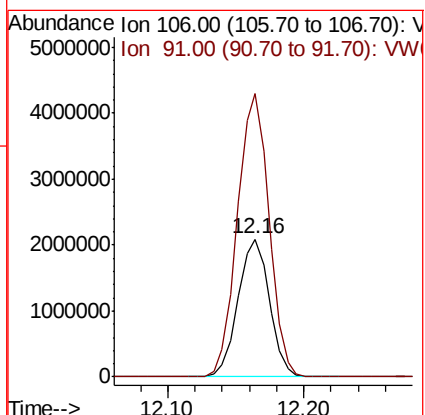
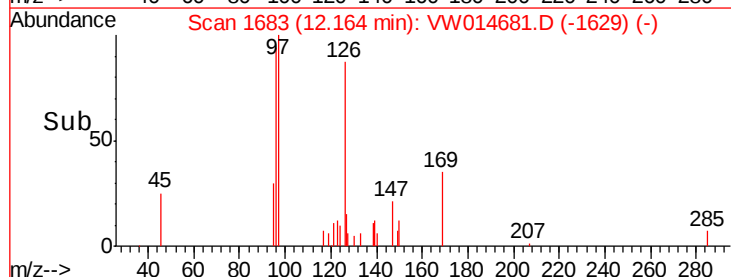
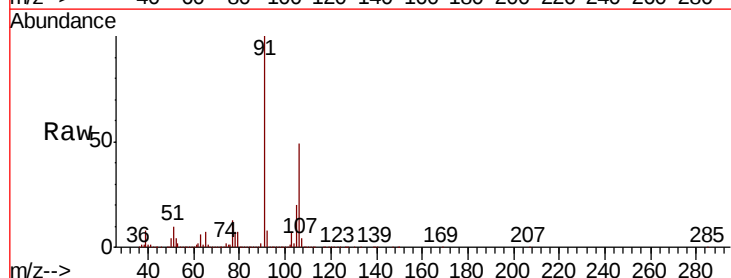
Acq: 17 Jan 2020 11:49

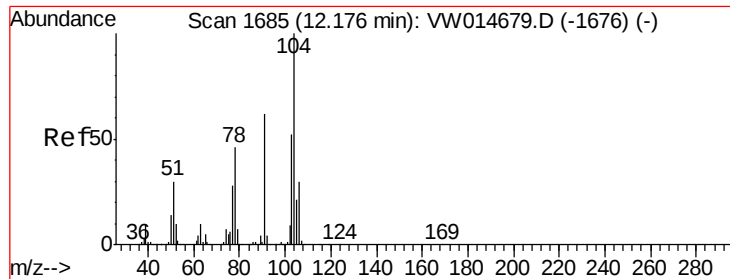
Tgt Ion:106 Resp: 3360928

Ion Ratio Lower Upper

106 100

91 205.1 148.7 276.1





#56

Styrene

Concen: 3.90 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

Instrument :

MSVOA_W

ClientSampleId :

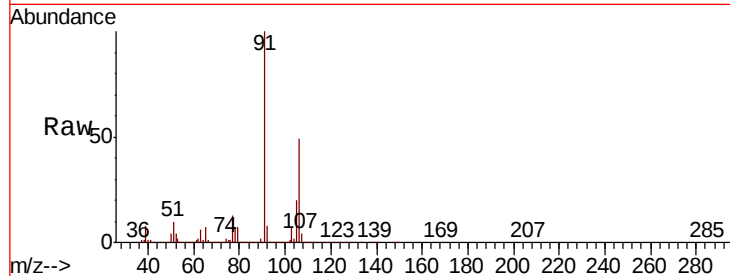
GASG4

Tgt Ion:104 Resp: 178234

Ion Ratio Lower Upper

104 100

78 281.0 32.3 60.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

300000

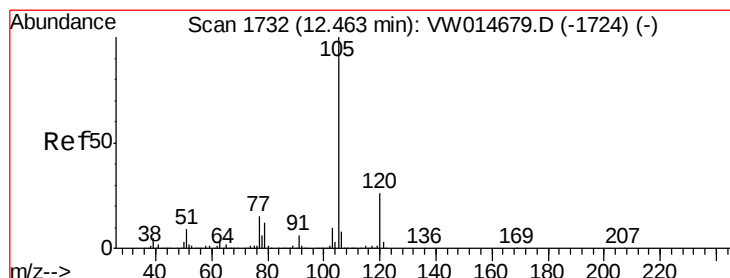
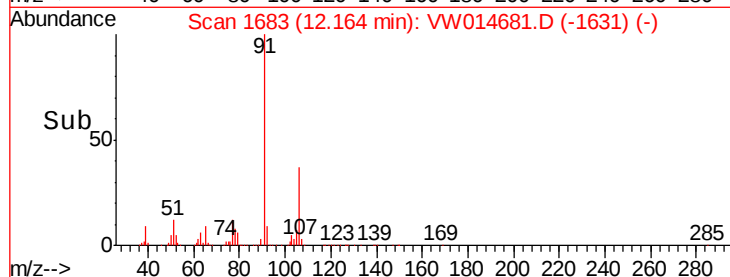
200000

100000

0

12.10 12.20

Time-->



#57

Isopropylbenzene

Concen: 16.62 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014681.D

Acq: 17 Jan 2020 11:49

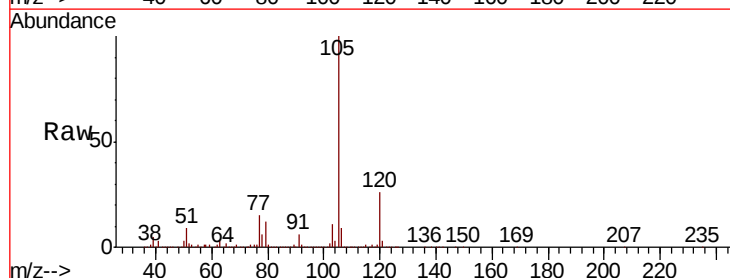
Tgt Ion:105 Resp: 1201241

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.0 12.2 18.2



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): V

1000000

800000

600000

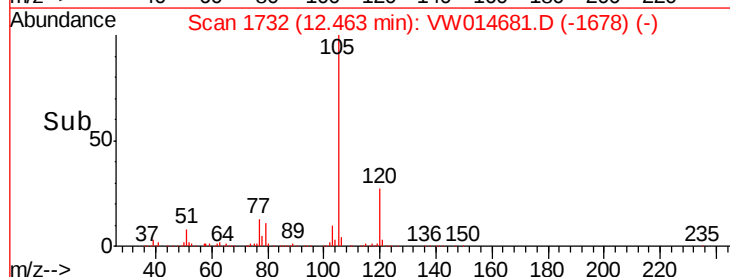
400000

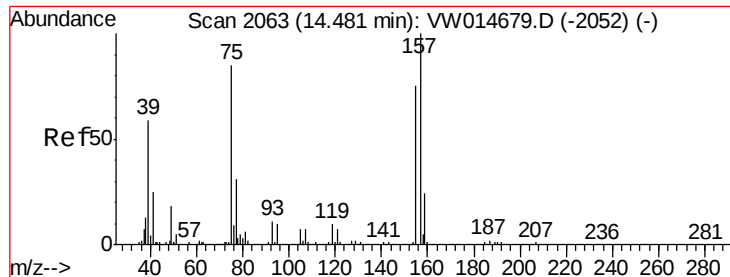
200000

0

12.40 12.50

Time-->

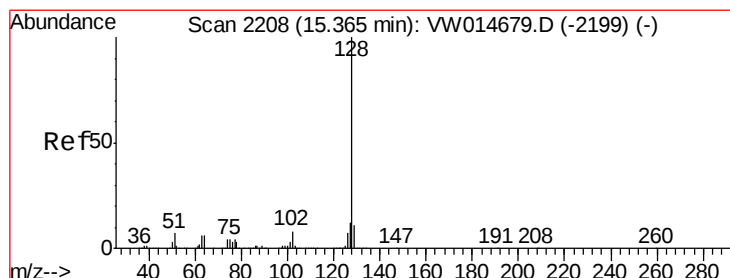
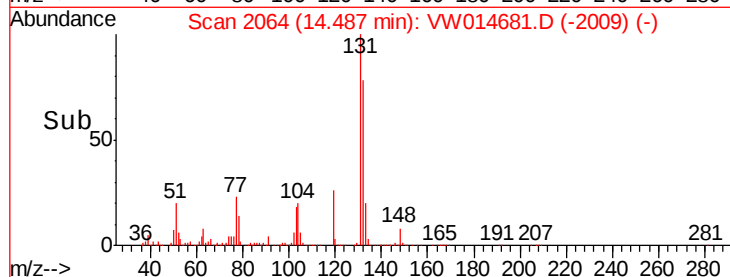
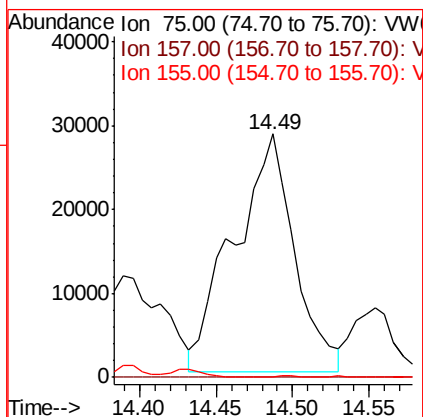
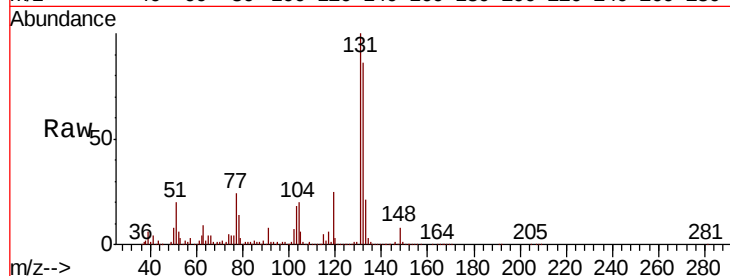




#66
 1,2-Dibromo-3-chloropropane
 Concen: 41.04 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014681.D
 Acq: 17 Jan 2020 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG4

Tgt Ion: 75 Resp: 78277
 Ion Ratio Lower Upper
 75 100
 157 0.4 87.2 130.8#
 155 0.2 67.8 101.8#



#69
 Naphthalene
 Concen: 2.32 ug/L
 RT: 15.29 min Scan# 2196
 Delta R.T. -0.07 min
 Lab File: VW014681.D
 Acq: 17 Jan 2020 11:49

Tgt Ion: 128 Resp: 63938
 Ion Ratio Lower Upper
 128 100
 129 227.5 8.8 13.2#
 127 24.0 10.6 16.0#

