

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015180.D
 Acq On : 10 Apr 2020 14:50
 Operator : SY/VA
 Sample : L2176-05
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J1

Quant Time: Apr 11 06:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 13:10:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1469100	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1163106	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	451185	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	225460	16.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.92%
7) Chloroethane-d5	2.89	69	177086	17.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.52%
10) 1,1-Dichloroethene-d2	4.02	63	425838	11.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.28%
20) 2-Butanone-d5	7.07	46	157089	33.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.10%
24) Chloroform-d	7.65	84	588747	16.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	67.96%
26) 1,2-Dichloroethane-d4	8.31	65	285734	16.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	66.60%#
29) Benzene-d6	8.27	84	1271852	19.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.04%
33) 1,2-Dichloropropane-d6	9.27	67	399127	20.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.24%
37) Toluene-d8	10.32	98	1333720	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.44%
38) trans-1,3-Dichloropropene-	10.57	79	154954	17.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.28%
39) 2-Hexanone-d5	10.92	63	139906	39.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	256154	17.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	243403	15.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	60.20%#

Target Compounds

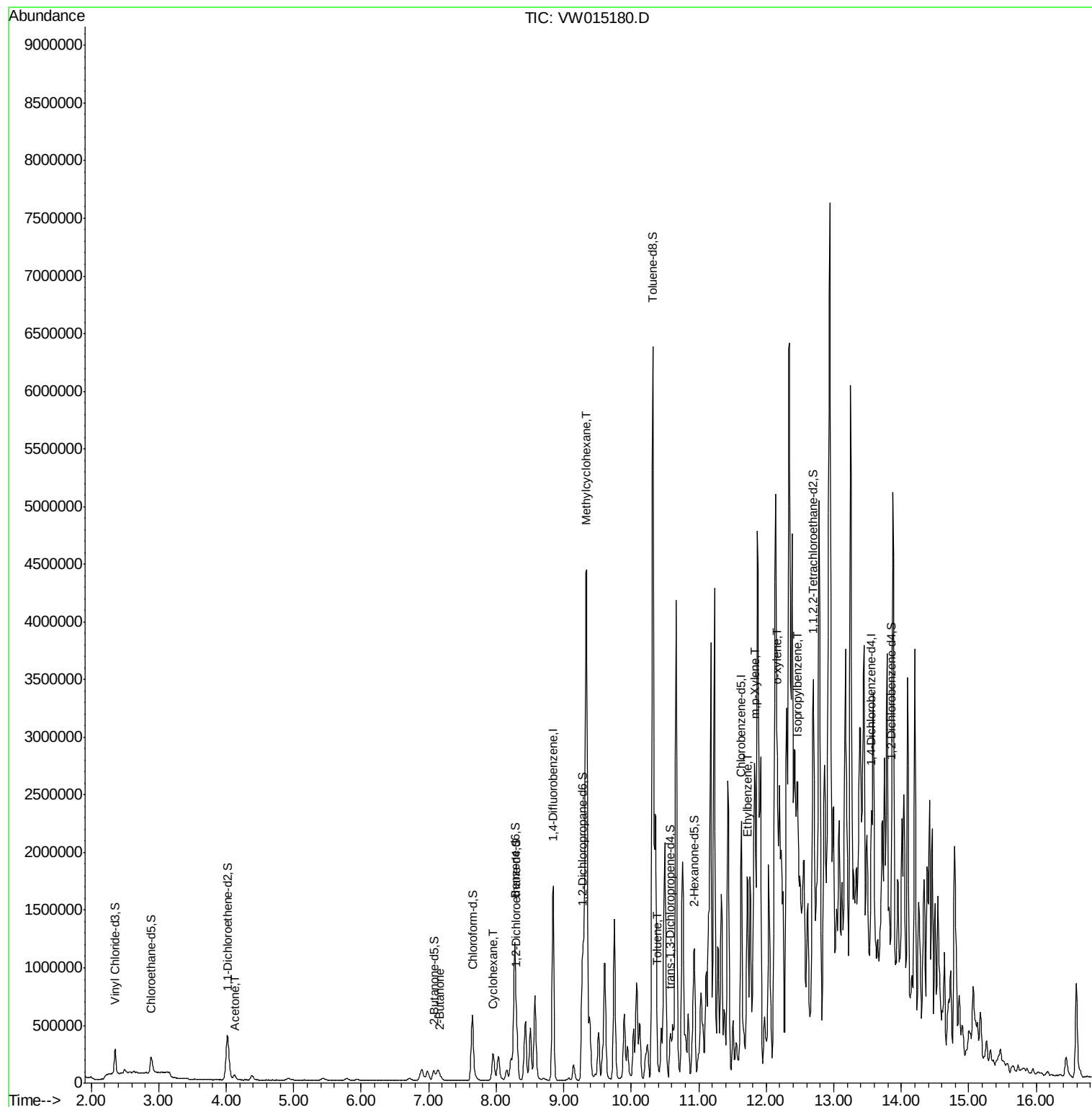
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	64809	21.514	ug/L	95
21) 2-Butanone	7.17	43	37886	7.714	ug/L	85
30) Cyclohexane	7.95	56	139296	4.305	ug/L	98
36) Methylcyclohexane	9.34	83	2117703	61.029	ug/L	92
44) Toluene	10.38	91	92791	1.217	ug/L	95
53) Ethylbenzene	11.73	91	145020	1.692	ug/L	95
54) m,p-Xylene	11.83	106	623464	18.965	ug/L	98
55) o-xylene	12.16	106	357652	11.383	ug/L	93
57) Isopropylbenzene	12.46	105	946991	11.164	ug/L	98

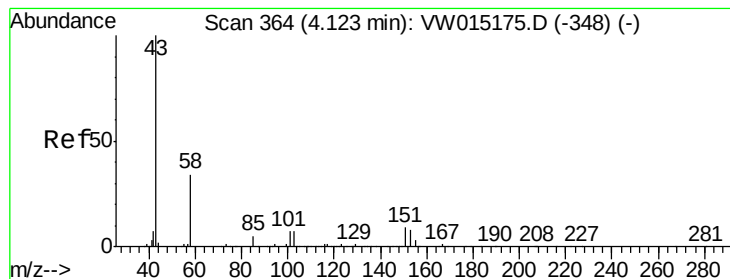
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 10 13:10:27 2020
Response via : Initial Calibration





#13

Acetone

Concen: 21.514 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015180.D

Acq: 10 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

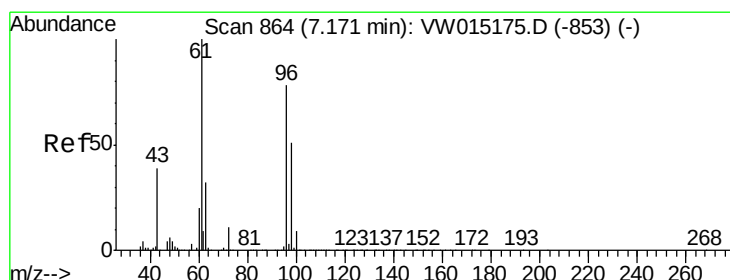
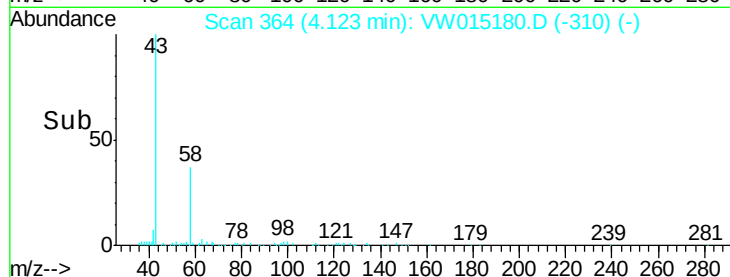
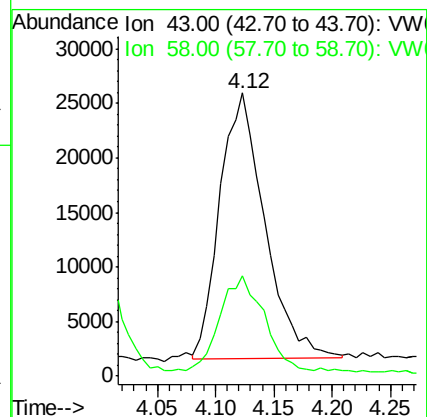
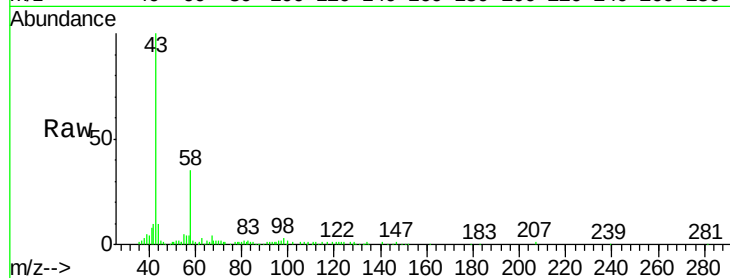
BG2J1

Tot Ion: 43 Resp: 64809

Ion Ratio Lower Upper

43 100

58 35.1 0.0 64.6



#21

2-Butanone

Concen: 7.714 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015180.D

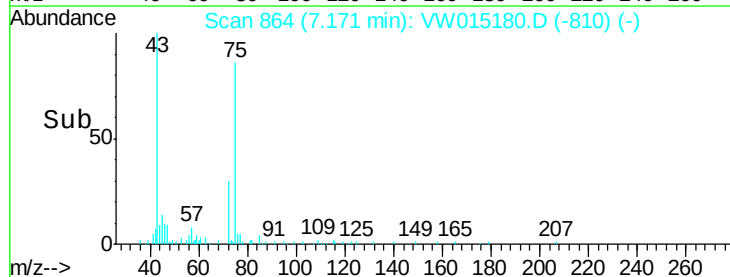
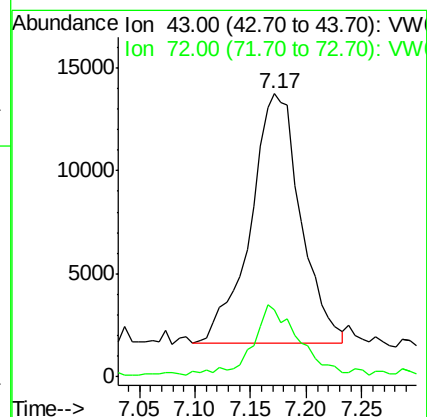
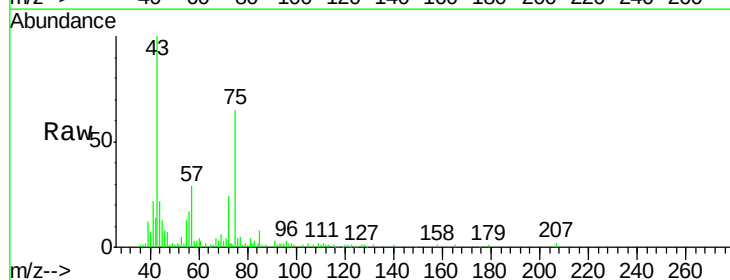
Acq: 10 Apr 2020 14:50

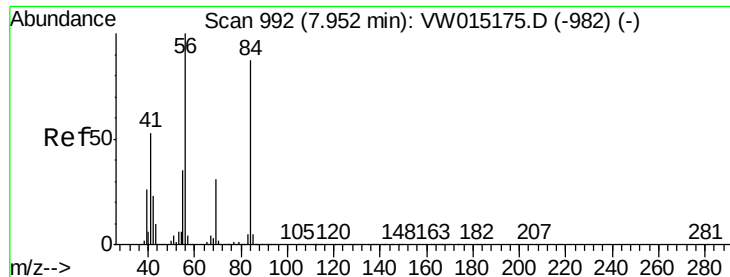
Tgt Ion: 43 Resp: 37886

Ion Ratio Lower Upper

43 100

72 20.8 14.4 43.0

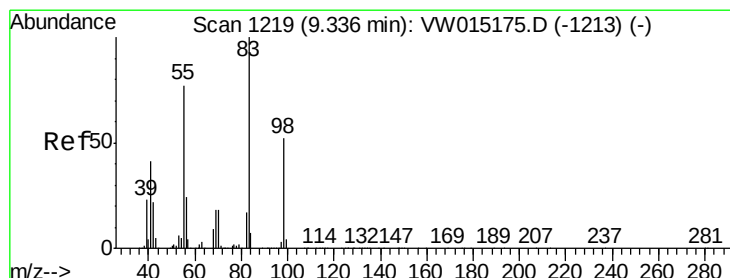
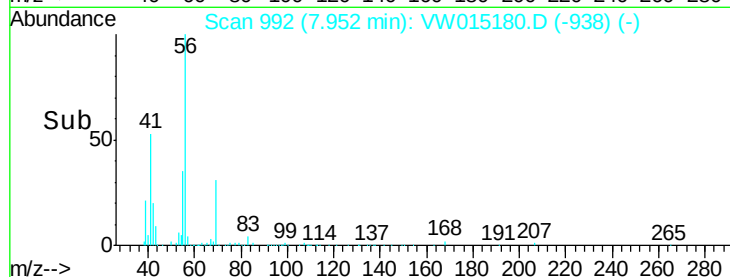
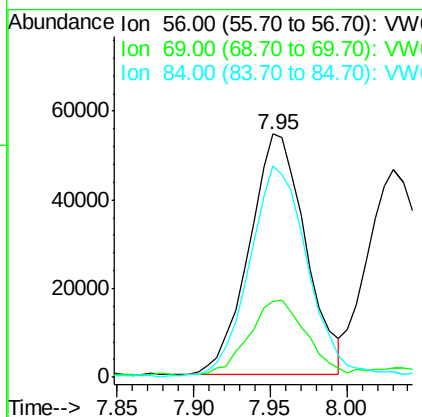
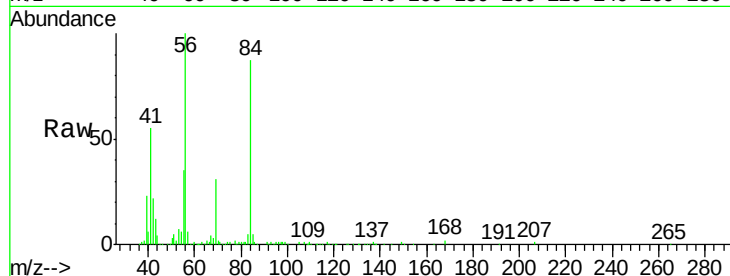




#30
Cyclohexane
Concen: 4.305 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015180.D
Acq: 10 Apr 2020 14:50

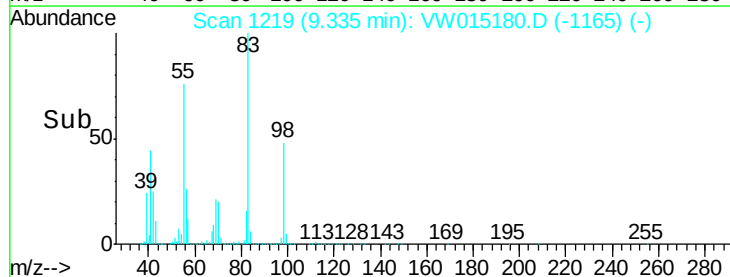
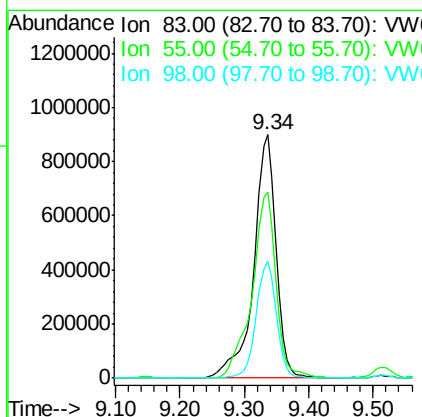
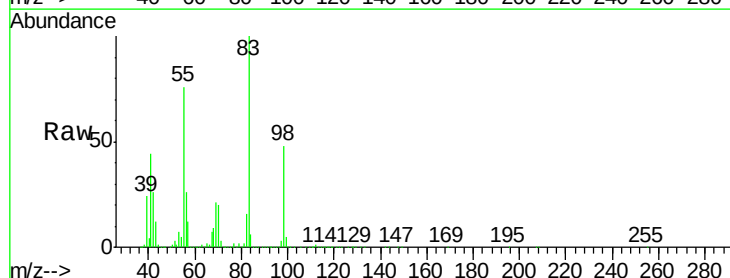
Instrument :
MSVOA_W
ClientSampleId :
BG2J1

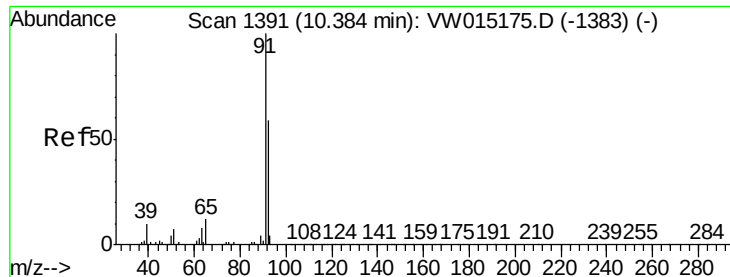
Tot Ion	56	Resp	139296
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.9	37.3
84	90.2	70.6	105.8



#36
Methylcyclohexane
Concen: 61.029 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015180.D
Acq: 10 Apr 2020 14:50

Tgt Ion	83	Resp	2117703
Ion Ratio	Lower	Upper	
83	100		
55	82.1	60.6	91.0
98	43.5	39.4	59.0





#44

Toluene

Concen: 1.217 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015180.D

Acq: 10 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

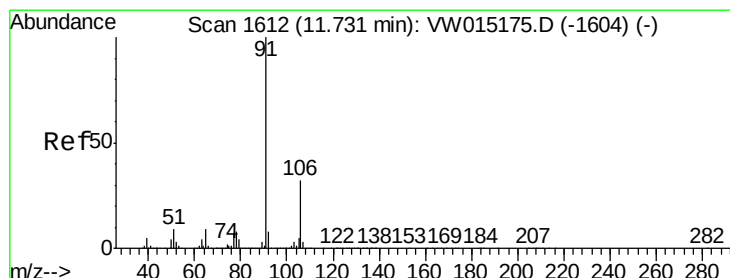
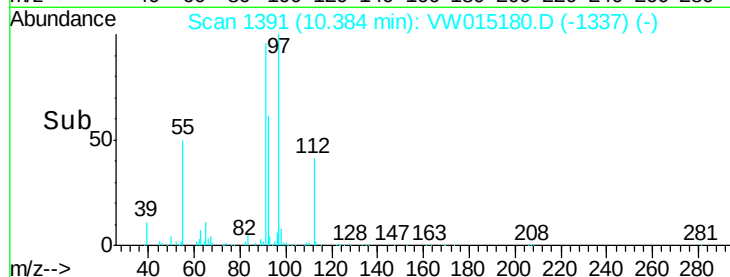
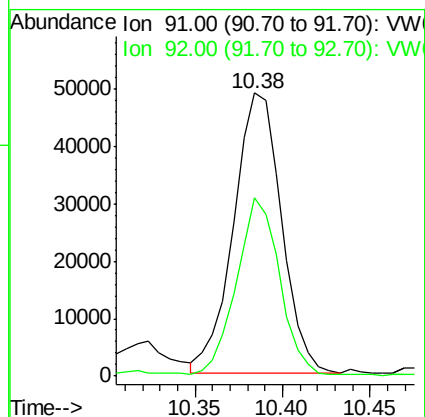
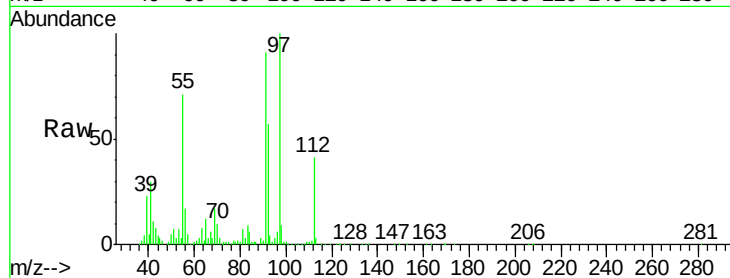
BG2J1

Tot Ion: 91 Resp: 92791

Ion Ratio Lower Upper

91 100

92 63.2 41.6 77.2



#53

Ethylbenzene

Concen: 1.692 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015180.D

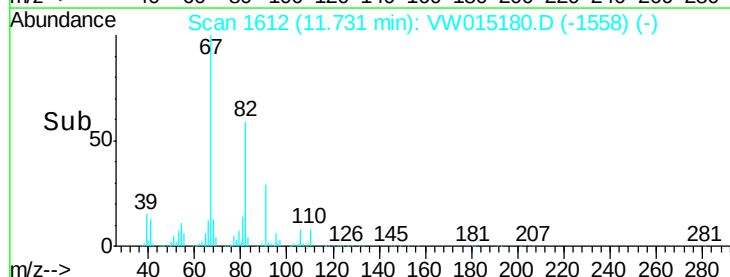
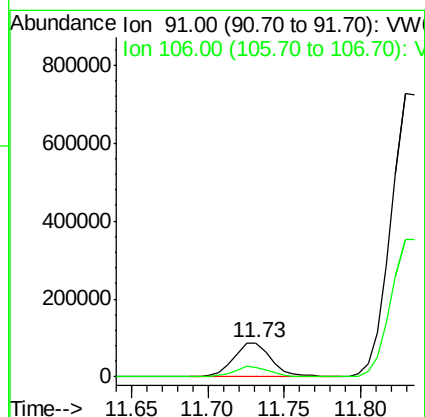
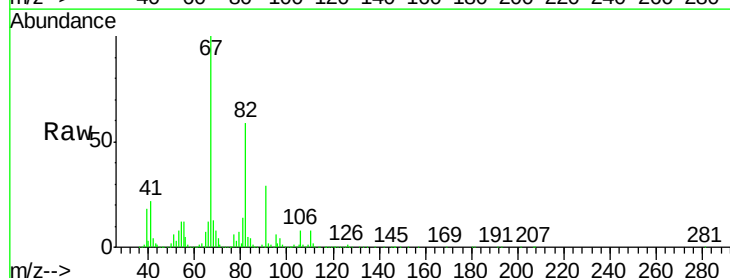
Acq: 10 Apr 2020 14:50

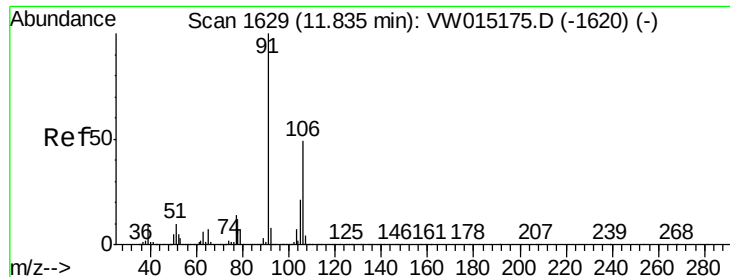
Tgt Ion: 91 Resp: 145020

Ion Ratio Lower Upper

91 100

106 29.4 22.5 41.7





#54

m,p-Xylene

Concen: 18.965 ug/L

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW015180.D

Acq: 10 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampled :

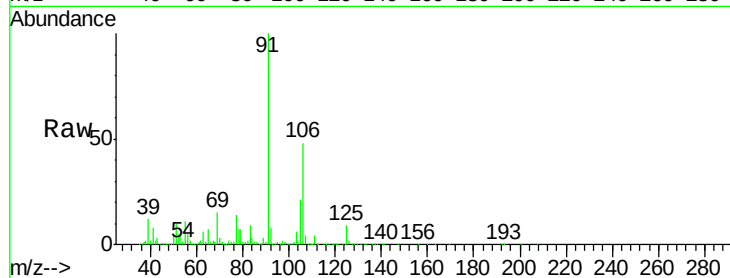
BG2J1

Tot Ion:106 Resp: 623464

Ion Ratio Lower Upper

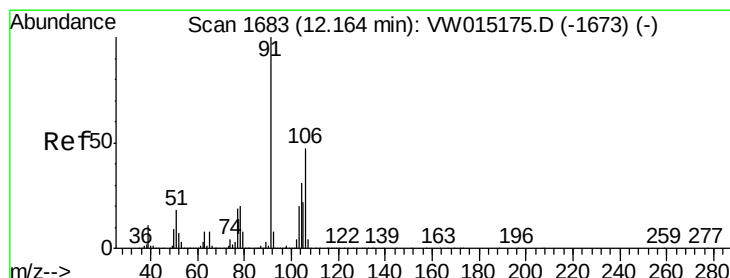
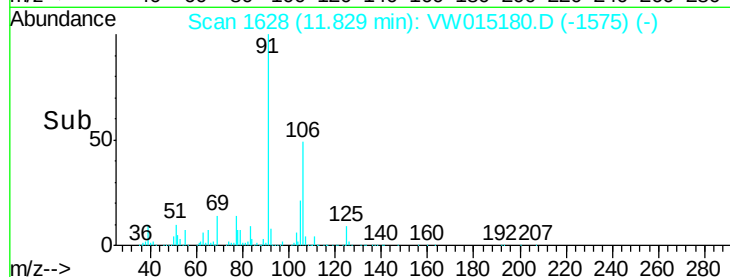
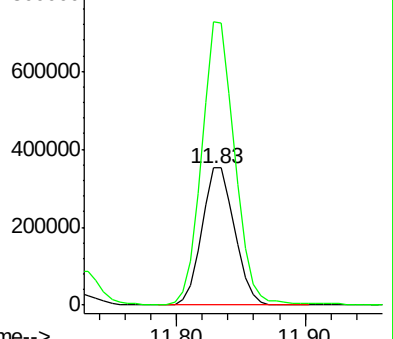
106 100

91 206.3 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 11.383 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015180.D

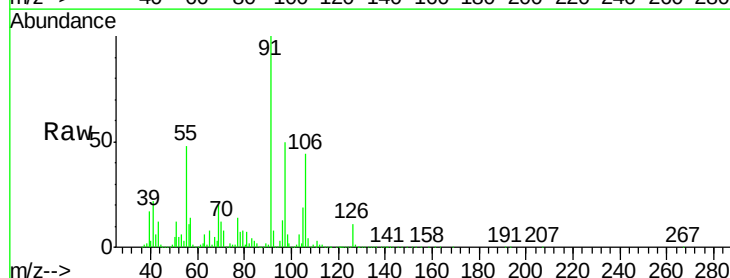
Acq: 10 Apr 2020 14:50

Tgt Ion:106 Resp: 357652

Ion Ratio Lower Upper

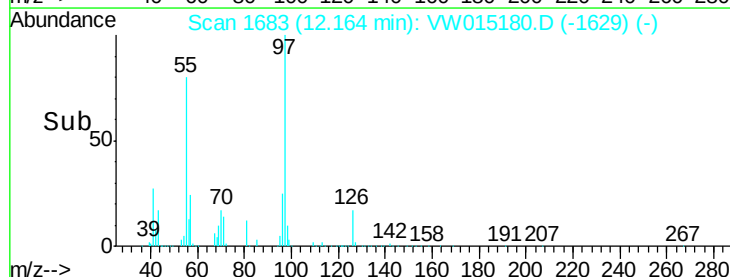
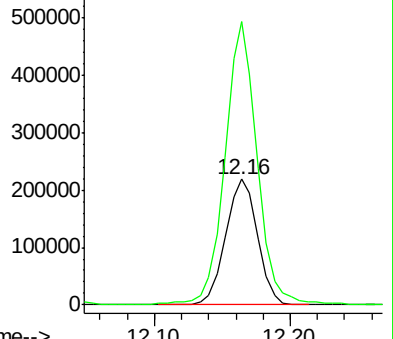
106 100

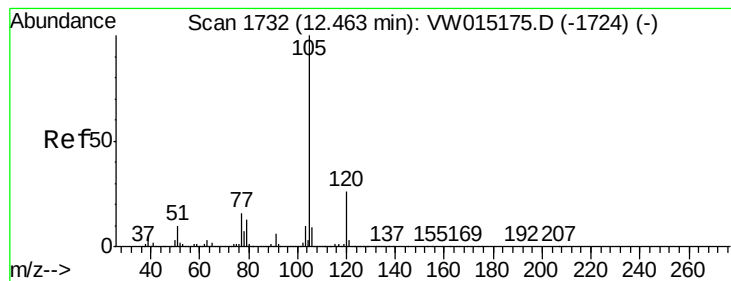
91 225.0 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 11.164 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015180.D

Acq: 10 Apr 2020 14:50

Instrument :

MSVOA_W

ClientSampleId :

BG2J1

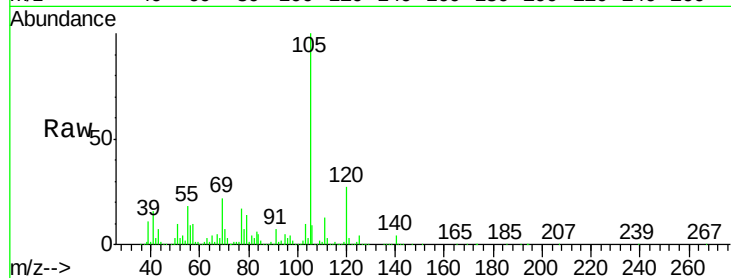
Tot Ion:105 Resp: 946991

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 17.9 12.8 19.2



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

