

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015765.D
 Acq On : 29 Jun 2020 16:21
 Operator : SY/VA
 Sample : L3131-05
 Misc : 5.51G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2M0

Quant Time: Jun 30 03:49:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 30 03:03:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	343326	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307815	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143746	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	126915	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
7) Chloroethane-d5	2.90	69	102841	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.36%
10) 1,1-Dichloroethene-d2	4.02	63	174089	17.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.36%
20) 2-Butanone-d5	7.09	46	47738	40.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.18%
24) Chloroform-d	7.65	84	215849	22.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	8.31	65	120567	22.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.60%
29) Benzene-d6	8.28	84	439373	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	9.28	67	126461	23.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.08%
37) Toluene-d8	10.33	98	408618	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.72%
38) trans-1,3-Dichloropropene-	10.58	79	47986	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.76%
39) 2-Hexanone-d5	10.93	63	35408	39.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86208	20.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	134346	24.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.40%

Target Compounds

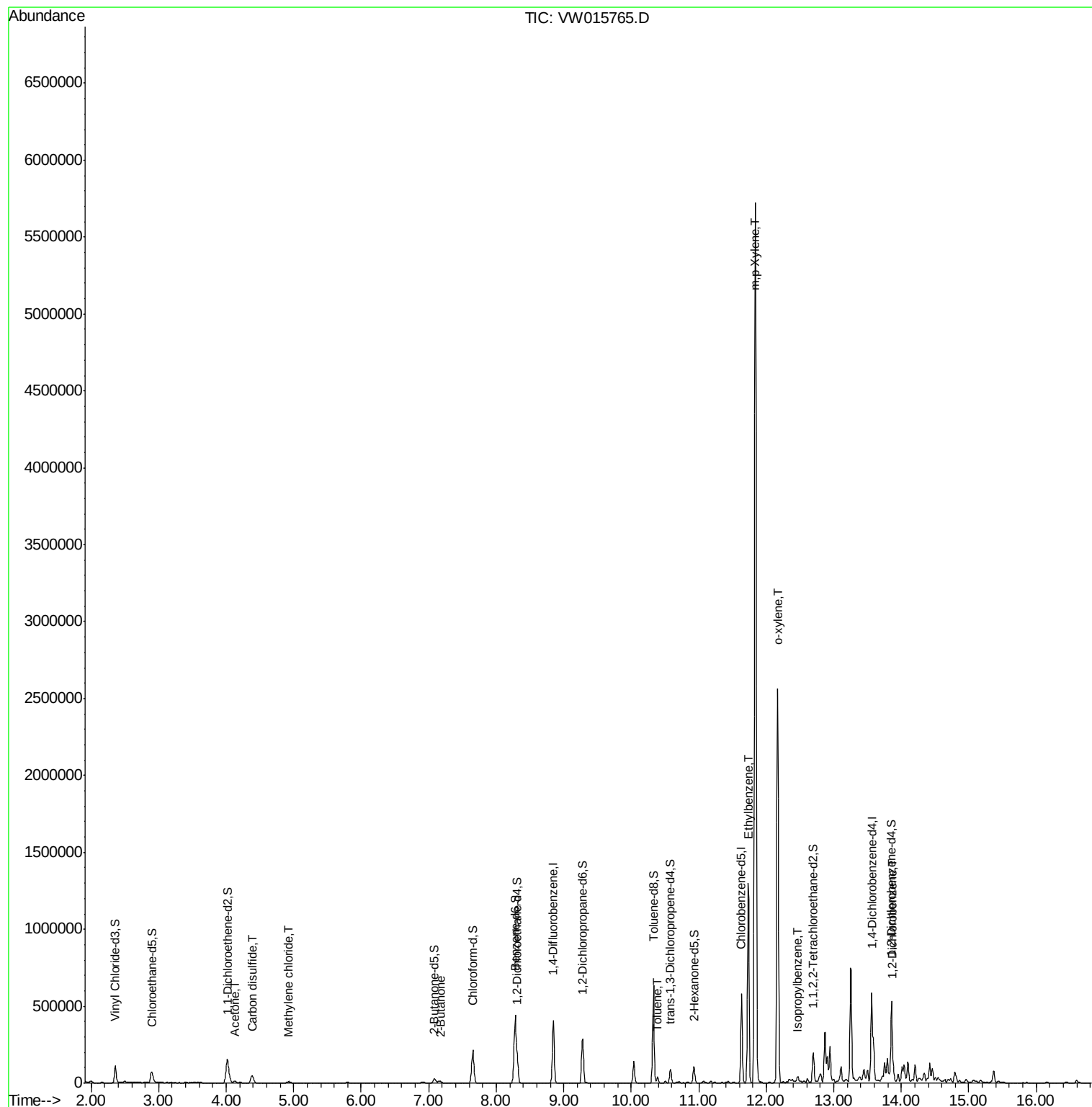
					Ovalue
13) Acetone	4.13	43	22557	22.885	ug/L 100
14) Carbon disulfide	4.38	76	102480	8.265	ug/L 99
16) Methylene chloride	4.92	84	8161	1.620	ug/L 95
21) 2-Butanone	7.18	43	7052	5.787	ug/L 95
44) Toluene	10.39	91	29327	1.597	ug/L 100
53) Ethylbenzene	11.73	91	890362	42.877	ug/L 100
54) m,p-Xylene	11.84	106	1733103	223.294	ug/L 99
55) o-xylene	12.17	106	674053	90.869	ug/L 97
57) Isopropylbenzene	12.47	105	22236	1.085	ug/L 97
65) 1,2-Dichlorobenzene	13.87	146	4553	0.604	ug/L # 87

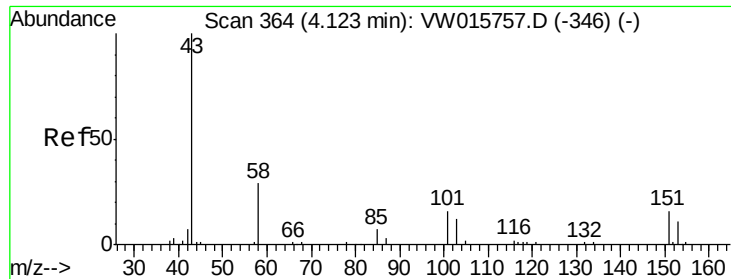
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 30 03:03:23 2020
Response via : Initial Calibration





#13

Acetone

Concen: 22.885 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

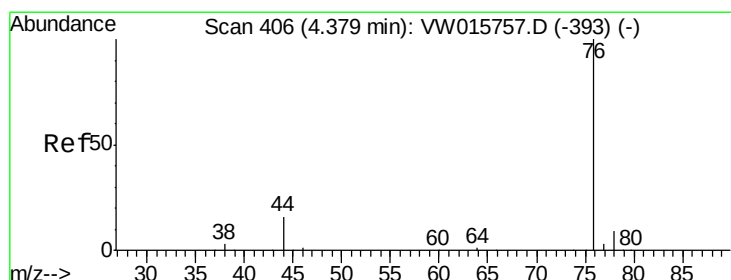
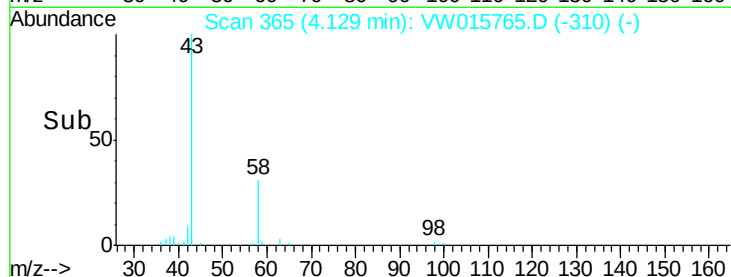
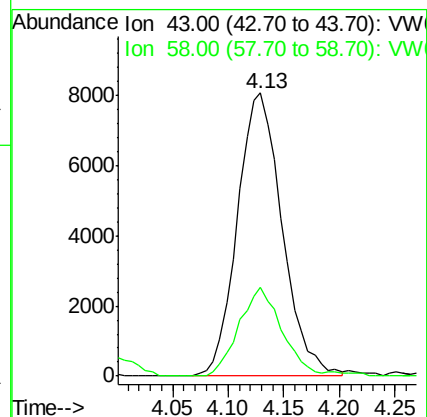
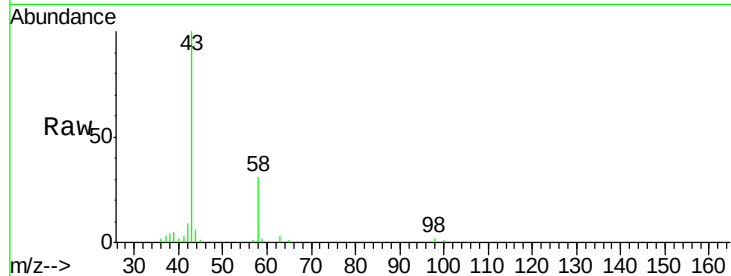
BG2M0

Tot Ion: 43 Resp: 22557

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.4



#14

Carbon disulfide

Concen: 8.265 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015765.D

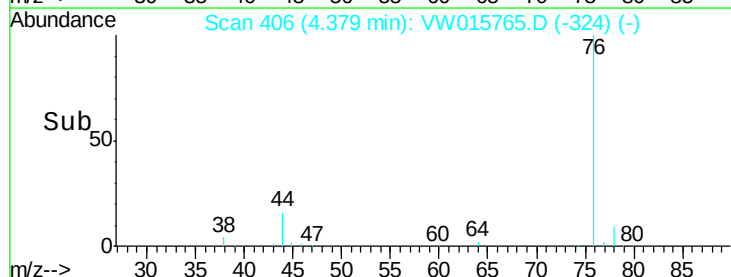
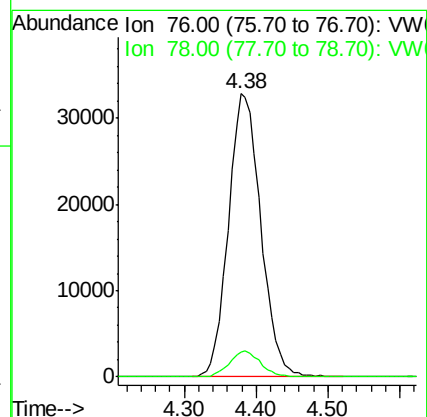
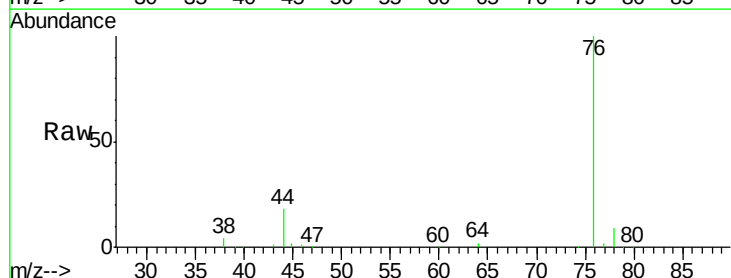
Acq: 29 Jun 2020 16:21

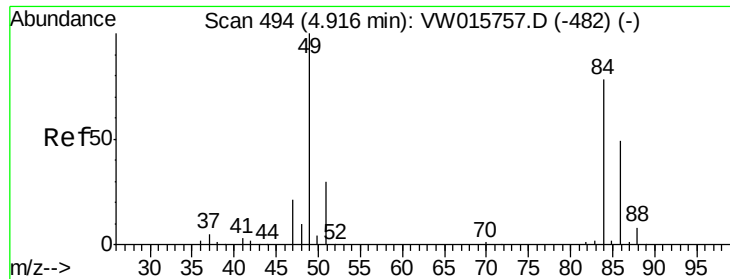
Tgt Ion: 76 Resp: 102480

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3

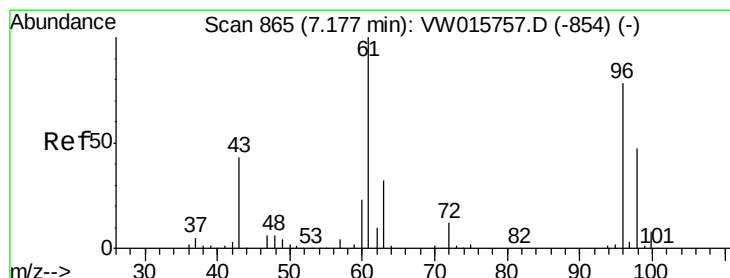
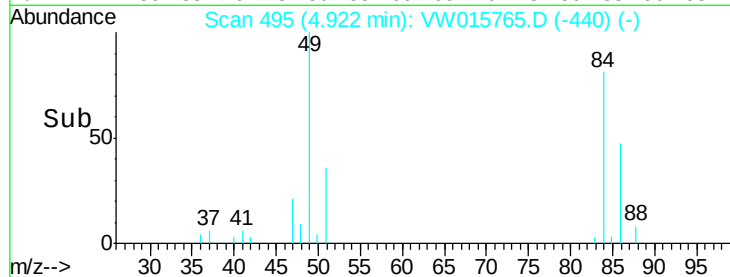
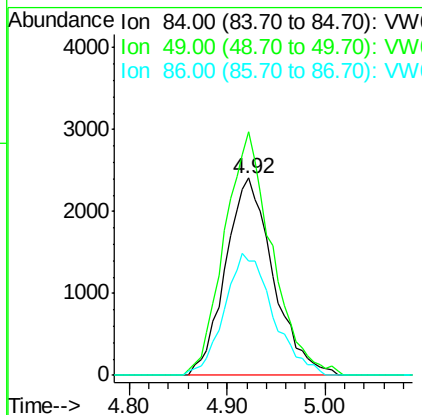
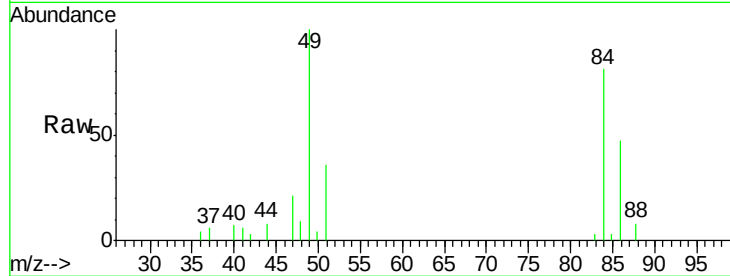




#16
Methylene chloride
Concen: 1.620 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015765.D
Acq: 29 Jun 2020 16:21

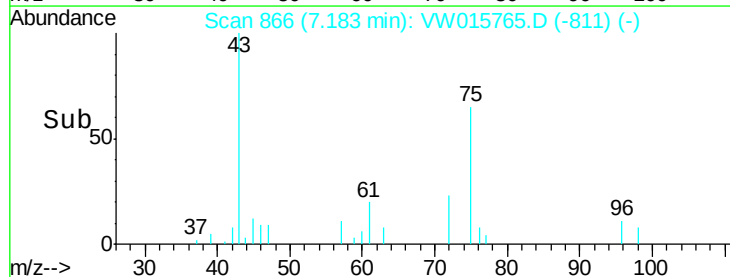
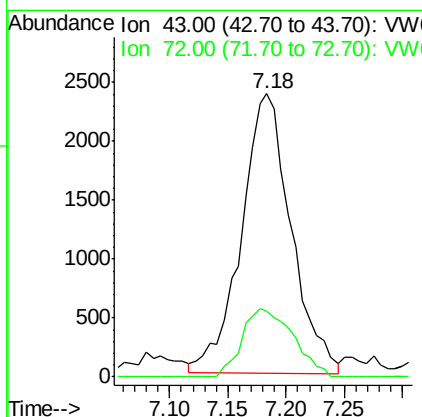
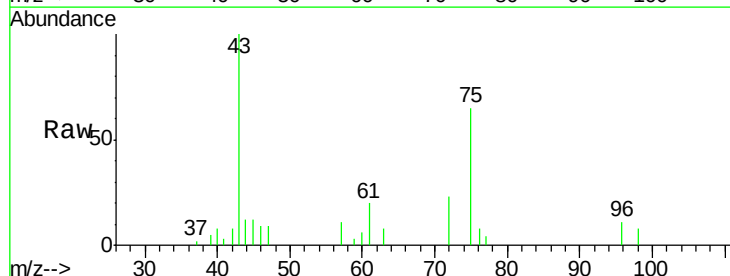
Instrument :
MSVOA_W
ClientSampleId :
BG2M0

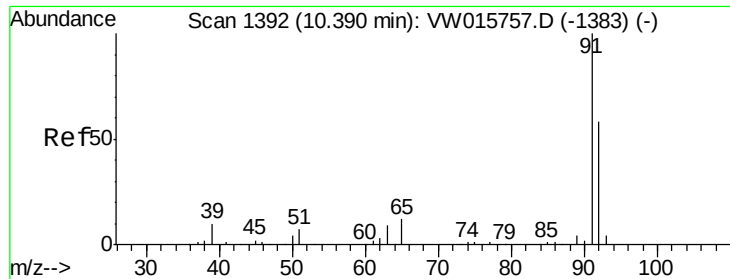
Tot Ion: 84 Resp: 8161
Ion Ratio Lower Upper
84 100
49 123.3 90.0 167.2
86 57.9 44.0 81.8



#21
2-Butanone
Concen: 5.787 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015765.D
Acq: 29 Jun 2020 16:21

Tgt Ion: 43 Resp: 7052
Ion Ratio Lower Upper
43 100
72 24.8 13.7 41.1





#44

Toluene

Concen: 1.597 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

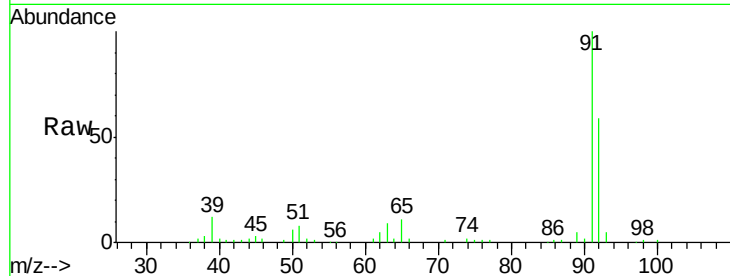
BG2M0

Tot Ion: 91 Resp: 29327

Ion Ratio Lower Upper

91 100

92 58.8 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

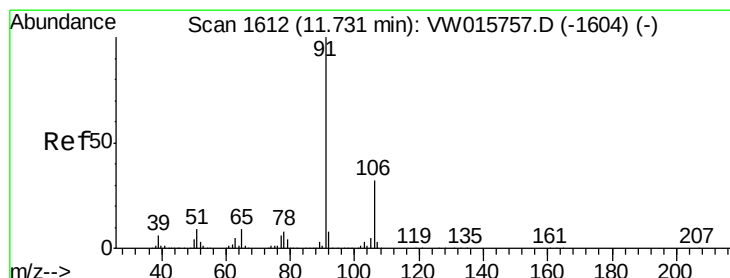
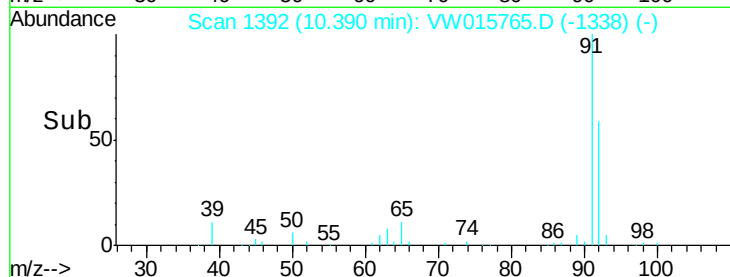
15000

10000

5000

0

Time-->



#53

Ethylbenzene

Concen: 42.877 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015765.D

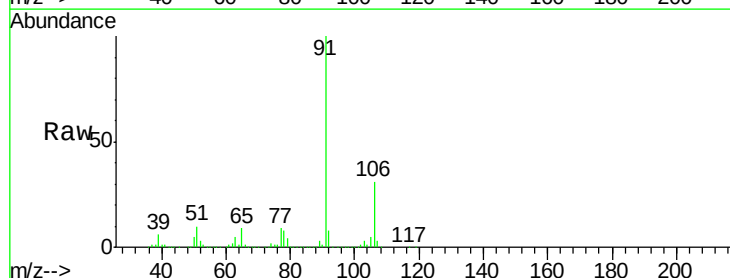
Acq: 29 Jun 2020 16:21

Tgt Ion: 91 Resp: 890362

Ion Ratio Lower Upper

91 100

106 30.7 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

2000000

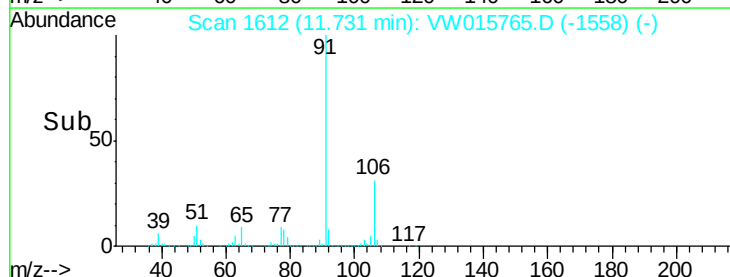
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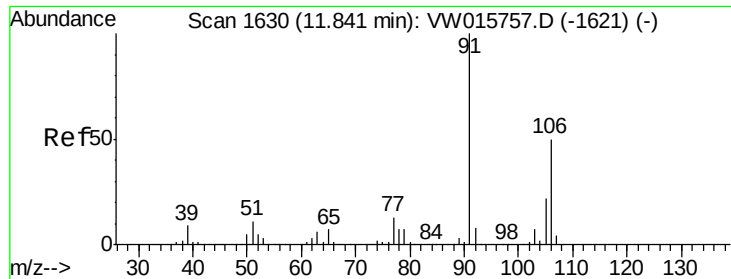
1000000

500000

0

Time-->





#54

m,p-Xylene

Concen: 223.294 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

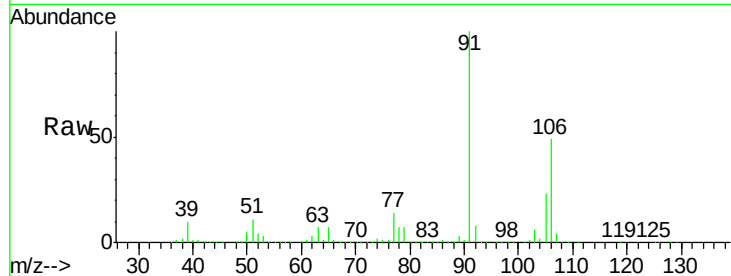
BG2M0

Tot Ion:106 Resp: 1733103

Ion Ratio Lower Upper

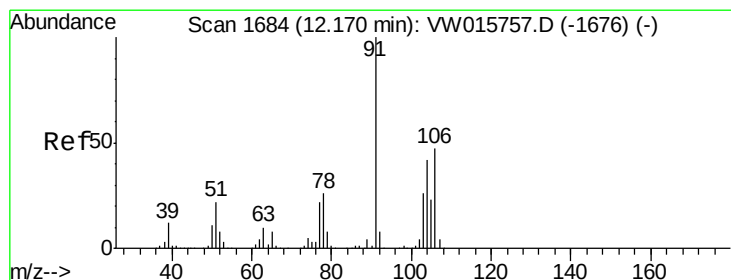
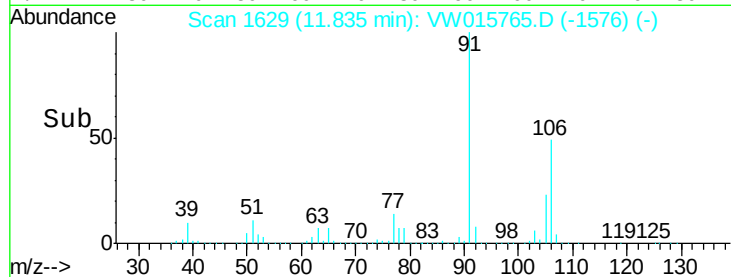
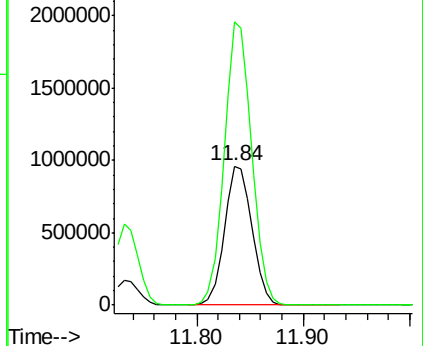
106 100

91 203.2 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 90.869 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015765.D

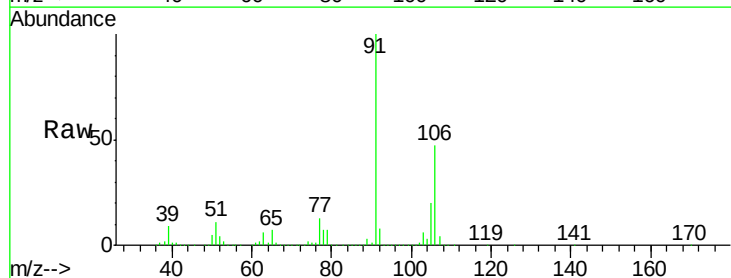
Acq: 29 Jun 2020 16:21

Tgt Ion:106 Resp: 674053

Ion Ratio Lower Upper

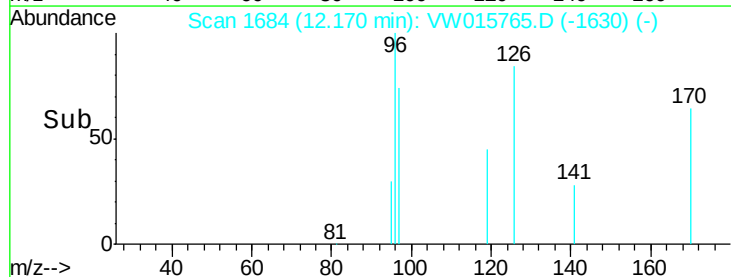
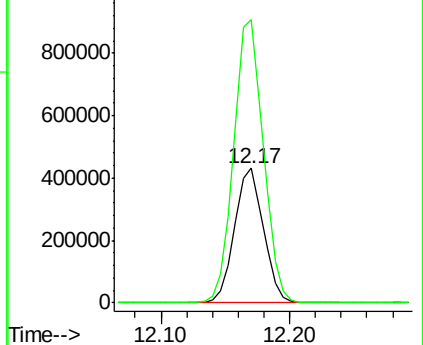
106 100

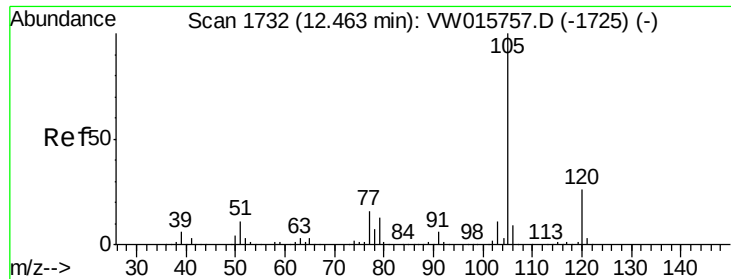
91 210.7 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 1.085 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampled :

BG2M0

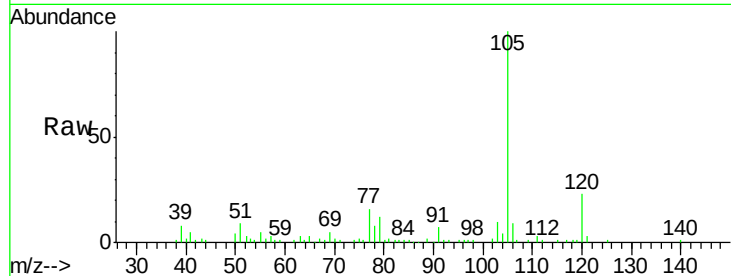
Tot Ion:105 Resp: 22236

Ion Ratio Lower Upper

105 100

120 24.3 21.0 31.6

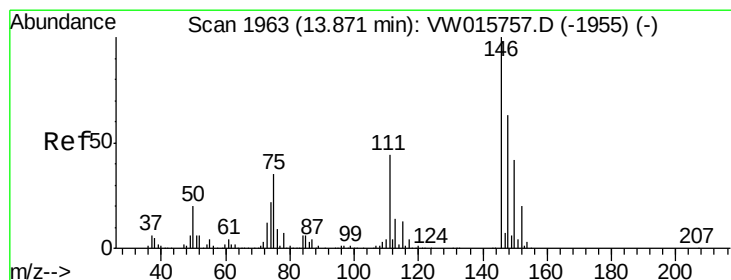
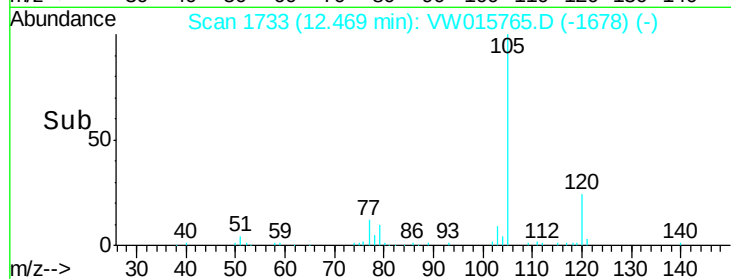
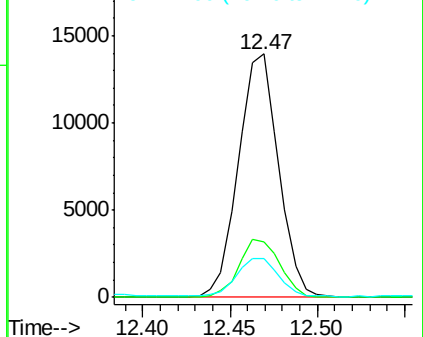
77 16.5 12.9 19.3



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



#65

1,2-Dichlorobenzene

Concen: 0.604 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

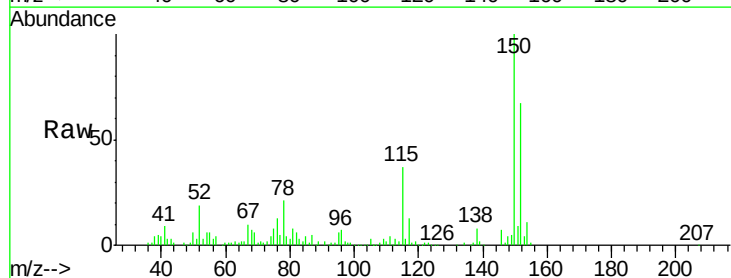
Tgt Ion:146 Resp: 4553

Ion Ratio Lower Upper

146 100

111 60.3 35.5 53.3#

148 59.9 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

