

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015765.D
 Acq On : 29 Jun 2020 16:21
 Operator : SY/VA
 Sample : L3139-05
 Misc : 5.51G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2M0

Quant Time: Jun 30 03:06:19 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
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1575	0.381 ug/L #	20
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
36) Methylcyclohexane	9.28	83	31605	4.065 ug/L #	19
42) cis-1,3-Dichloropropene	10.04	75	3744	0.583 ug/L #	73
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
56) Styrene	12.17	104	42484	3.374 ug/L #	1
57) Isopropylbenzene	12.47	105	22236	1.085 ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	4553	0.604 ug/L #	87
69) Naphthalene	15.37	128	68488	7.934 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
Data File : VW015765.D
Acq On : 29 Jun 2020 16:21
Operator : SY/VA
Sample : L3139-05
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2M0

Quant Time: Jun 30 03:06:19 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

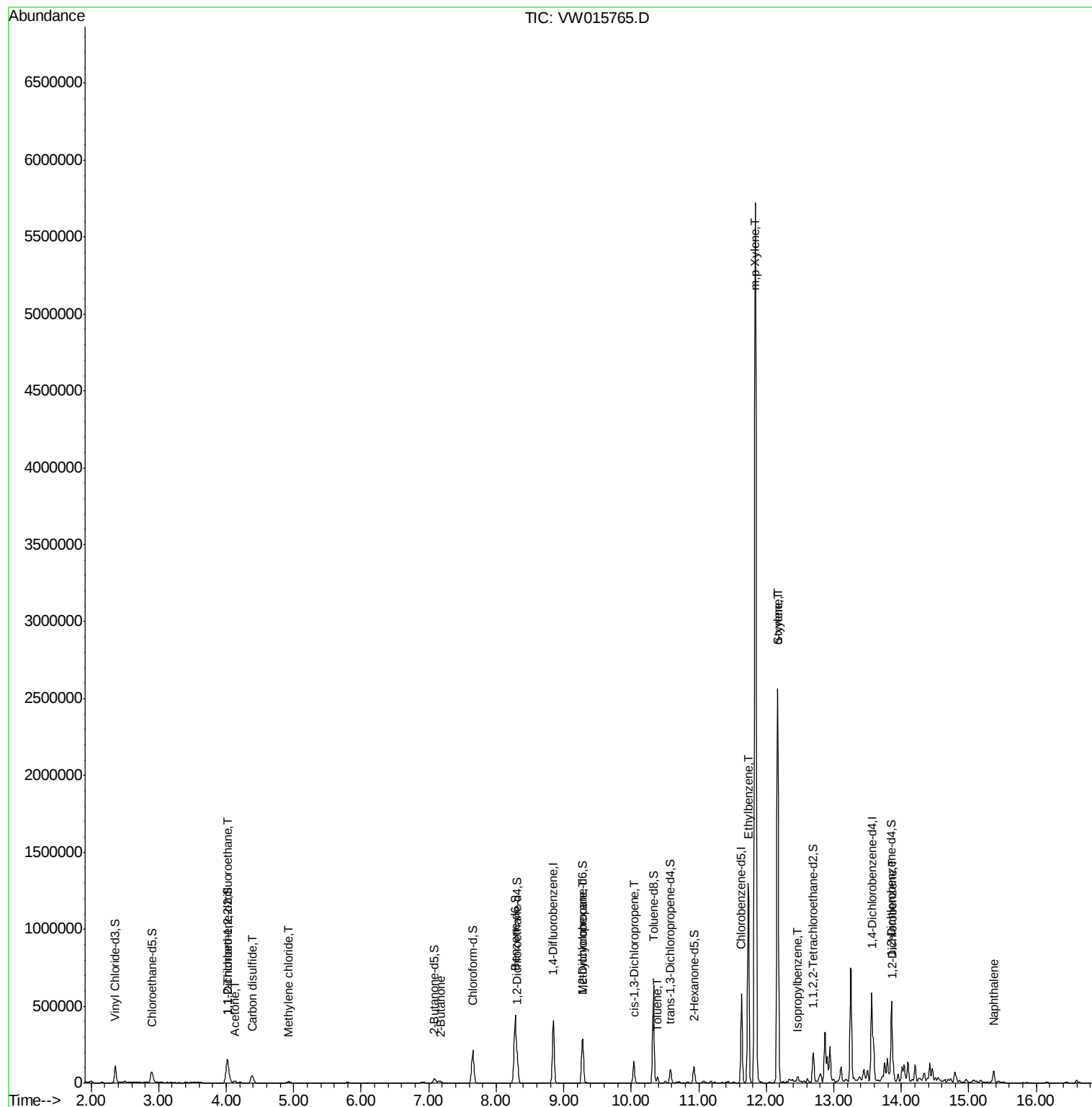
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

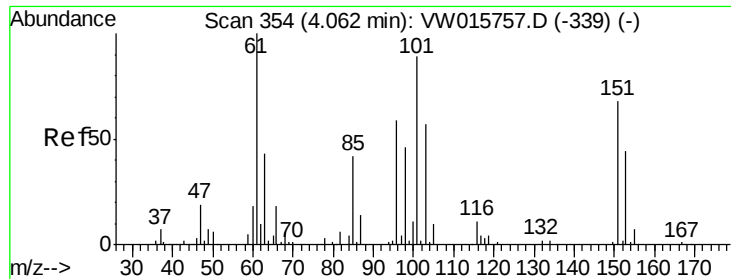
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062920\
Data File : VW015765.D
Acq On : 29 Jun 2020 16:21
Operator : SY/VA
Sample : L3139-05
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG2M0

Quant Time: Jun 30 03:06:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 30 03:03:23 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.381 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.04 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

BG2M0

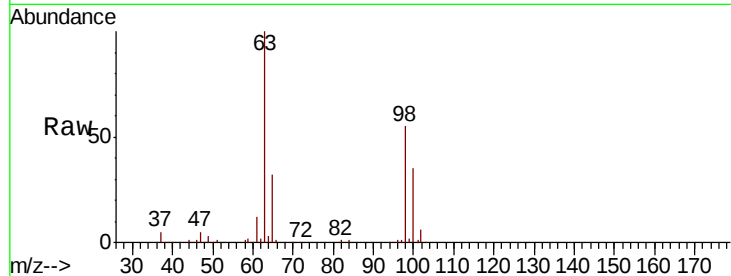
Tot Ion:101 Resp: 1575

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

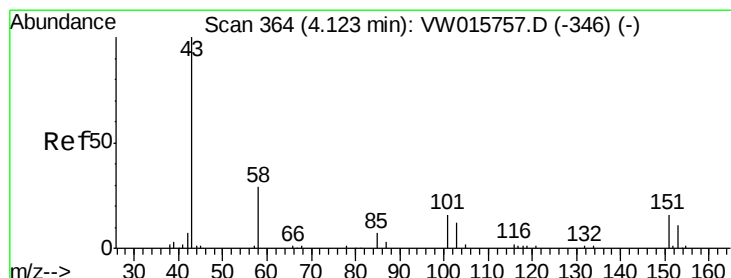
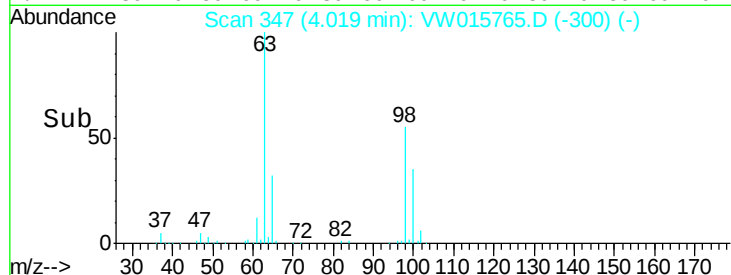
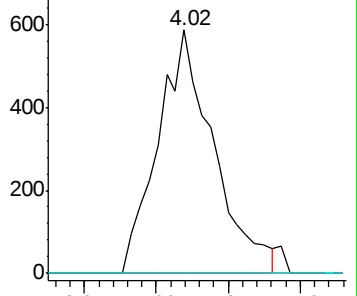
151 0.0 58.6 88.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 22.885 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015765.D

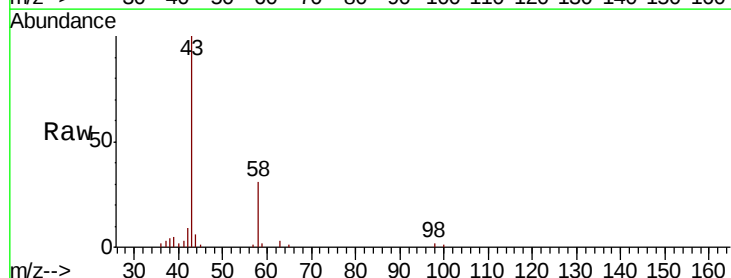
Acq: 29 Jun 2020 16:21

Tgt Ion: 43 Resp: 22557

Ion Ratio Lower Upper

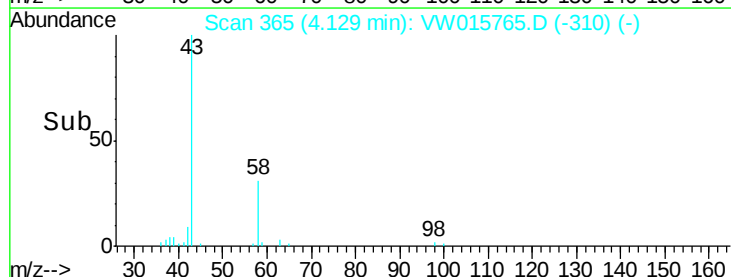
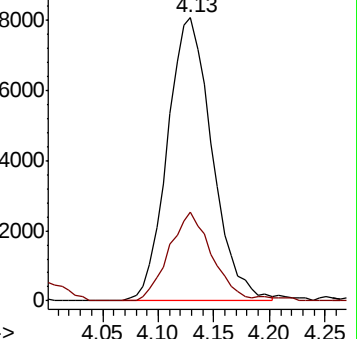
43 100

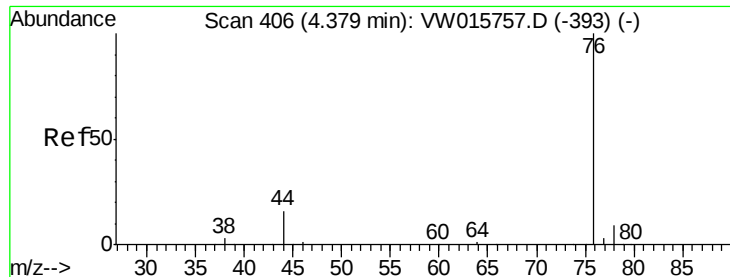
58 29.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#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

Instrument :

MSVOA_W

ClientSampled :

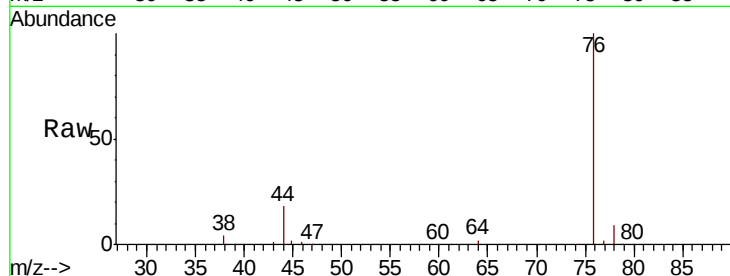
BG2M0

Tot Ion: 76 Resp: 102480

Ion Ratio Lower Upper

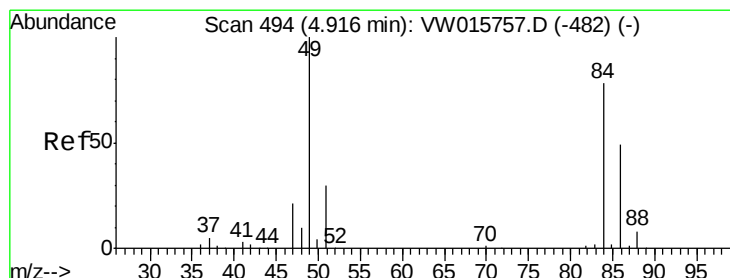
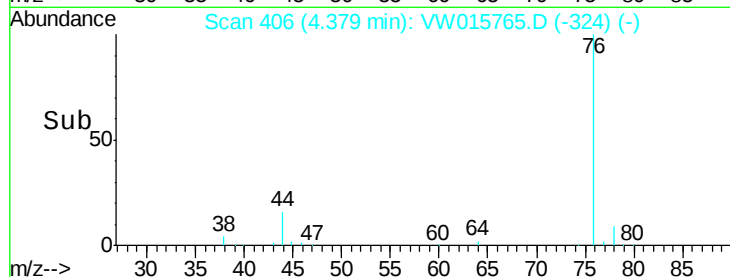
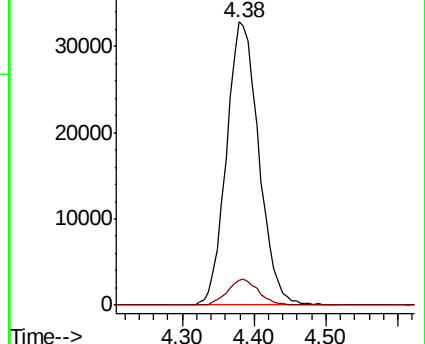
76 100

78 8.8 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#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

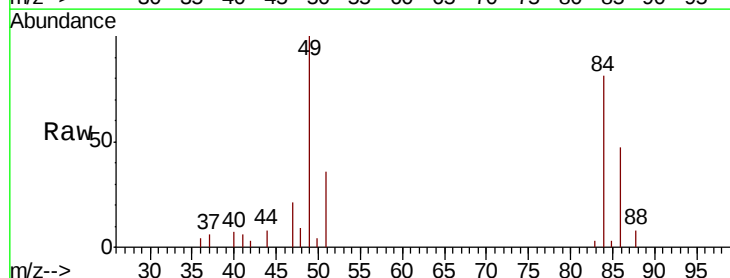
Tgt Ion: 84 Resp: 8161

Ion Ratio Lower Upper

84 100

49 123.3 90.0 167.2

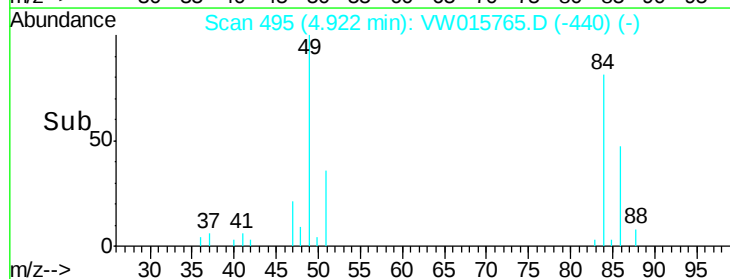
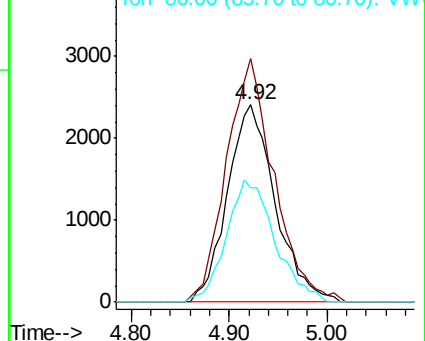
86 57.9 44.0 81.8

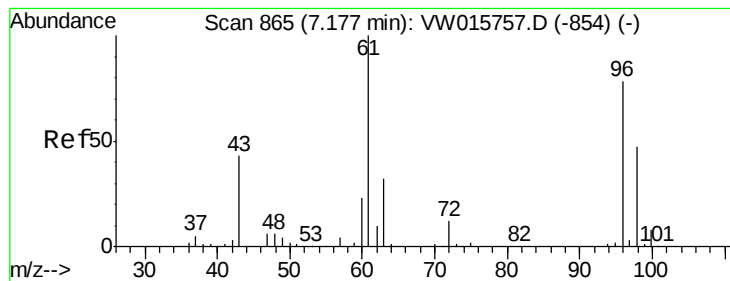


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#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

Instrument :

MSVOA_W

ClientSampleId :

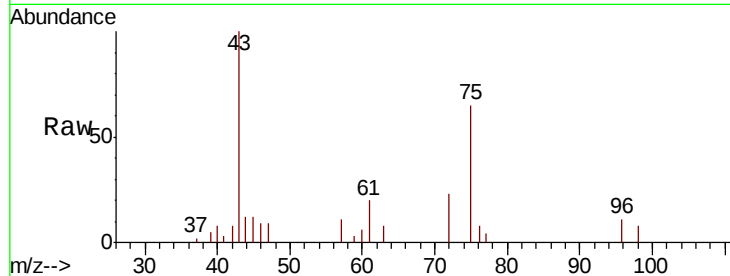
BG2M0

Tot Ion: 43 Resp: 7052

Ion Ratio Lower Upper

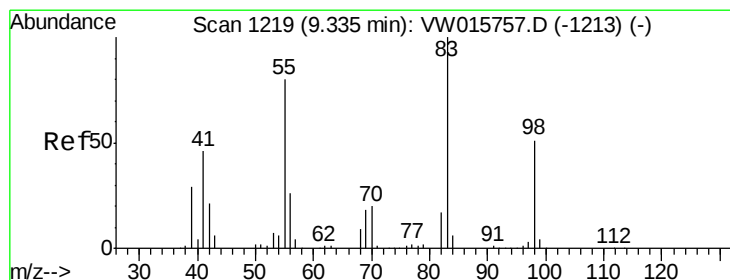
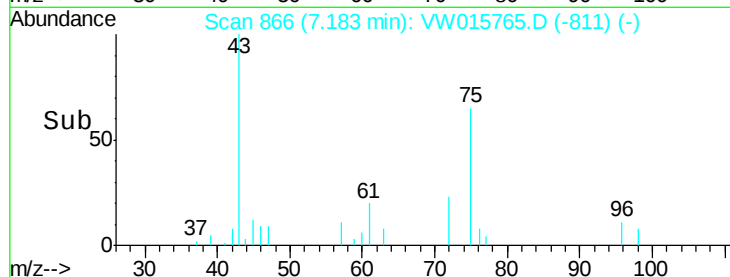
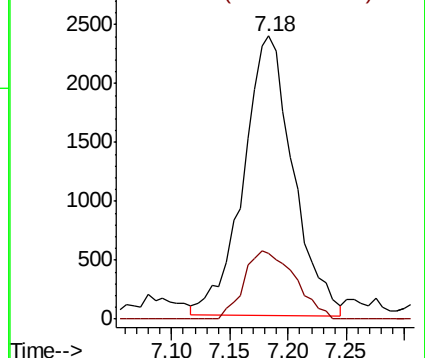
43 100

72 24.8 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#36

Methylcyclohexane

Concen: 4.065 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

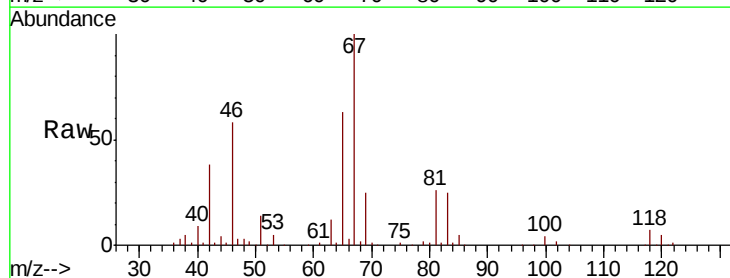
Tgt Ion: 83 Resp: 31605

Ion Ratio Lower Upper

83 100

55 1.0 62.7 94.1#

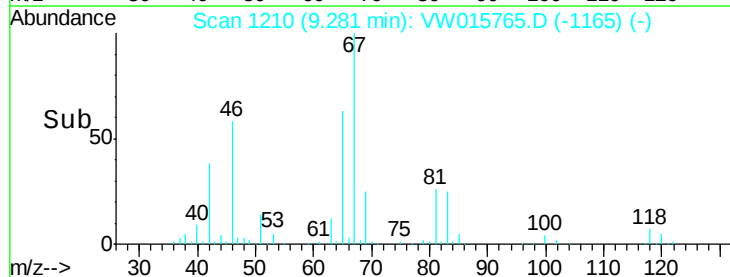
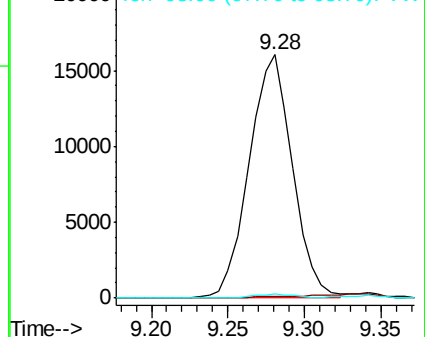
98 1.7 39.4 59.2#

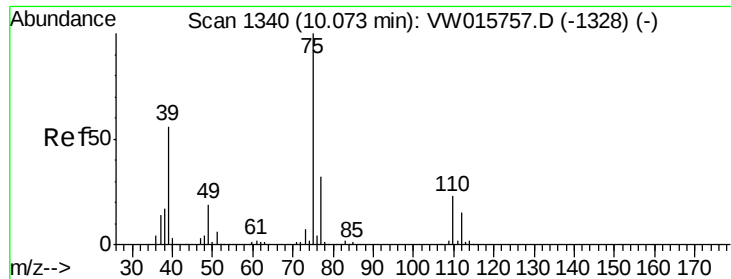


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#42

cis-1,3-Dichloropropene

Concen: 0.583 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

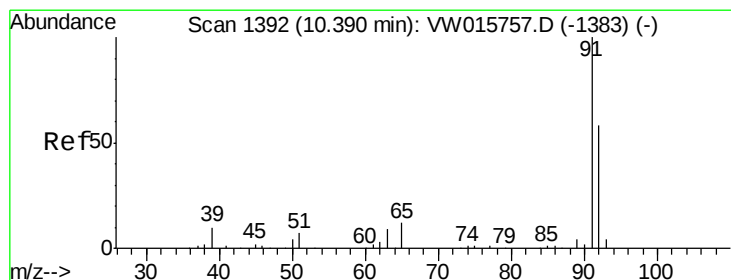
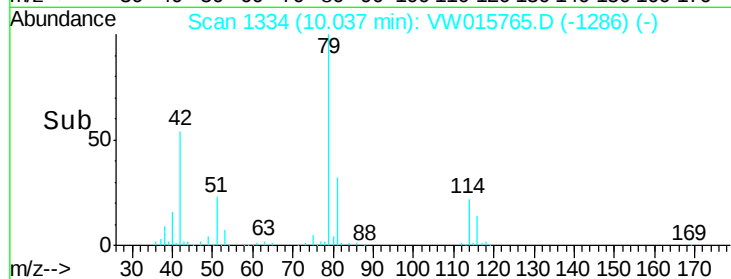
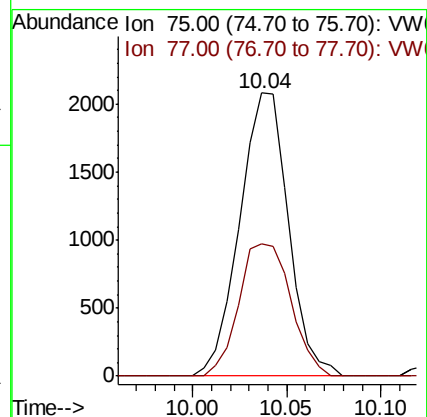
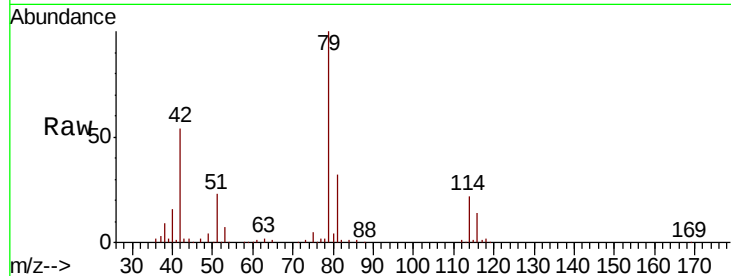
BG2M0

Tot Ion: 75 Resp: 3744

Ion Ratio Lower Upper

75 100

77 46.6 22.2 41.2#



#44

Toluene

Concen: 1.597 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015765.D

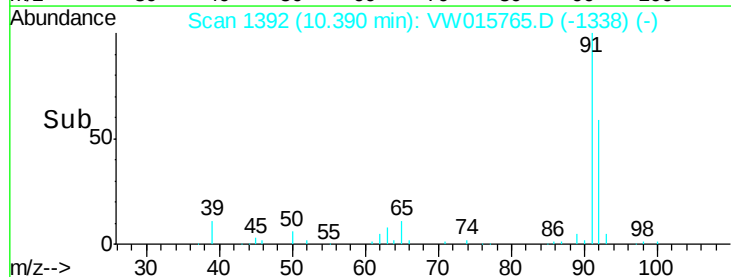
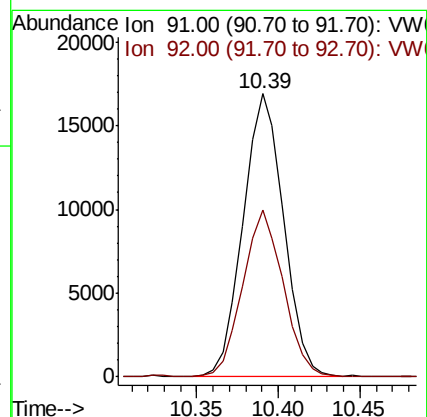
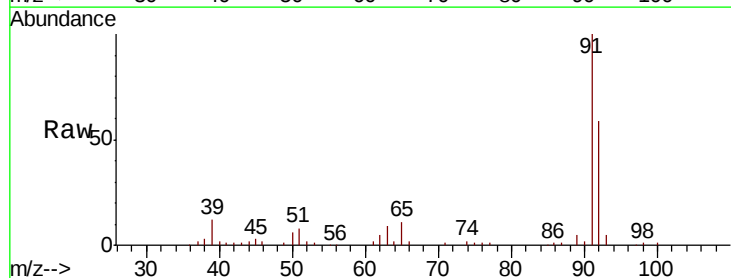
Acq: 29 Jun 2020 16:21

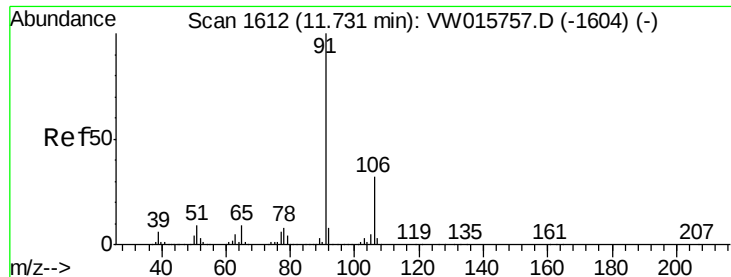
Tgt Ion: 91 Resp: 29327

Ion Ratio Lower Upper

91 100

92 58.8 41.3 76.7

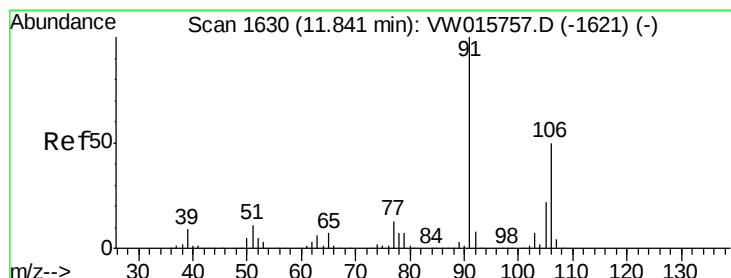
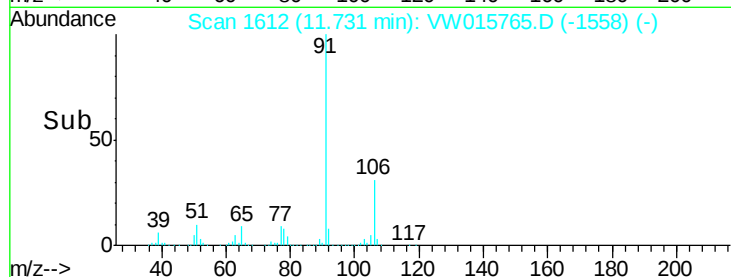
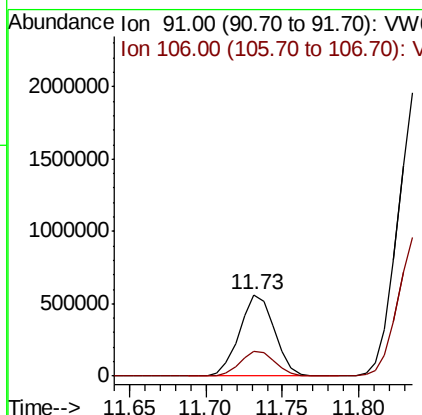
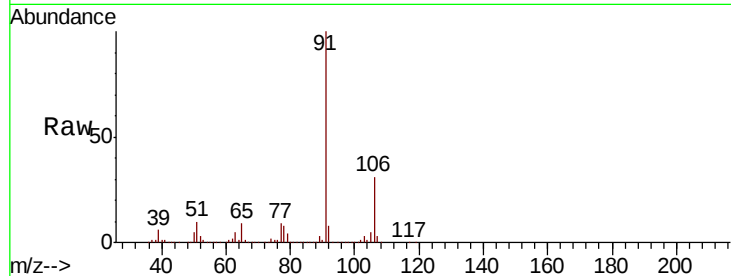




#53
Ethylbenzene
Concen: 42.877 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015765.D
Acq: 29 Jun 2020 16:21

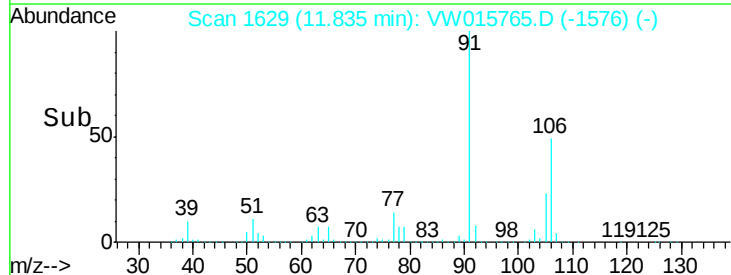
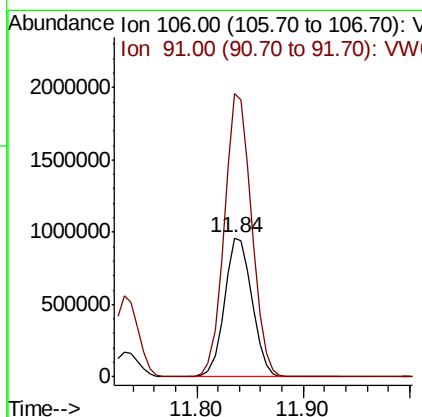
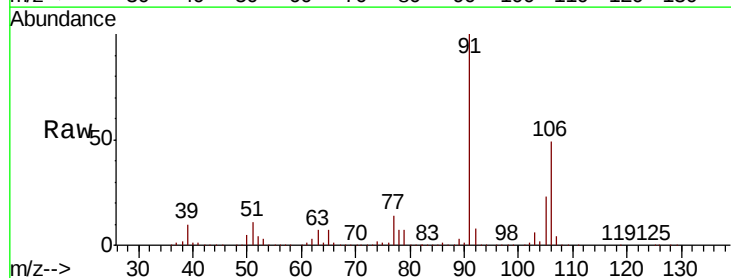
Instrument :
MSVOA_W
ClientSampleId :
BG2M0

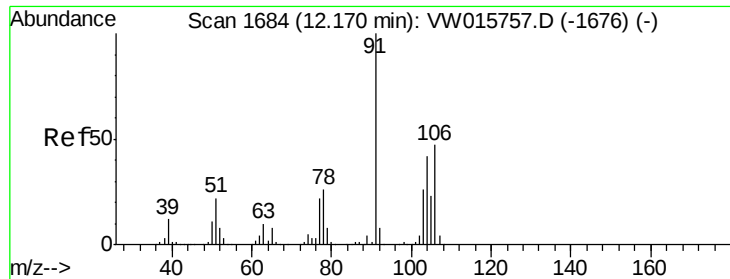
Tot Ion: 91 Resp: 890362
Ion Ratio Lower Upper
91 100
106 30.7 21.4 39.8



#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

Tgt Ion: 106 Resp: 1733103
Ion Ratio Lower Upper
106 100
91 203.2 141.5 262.9

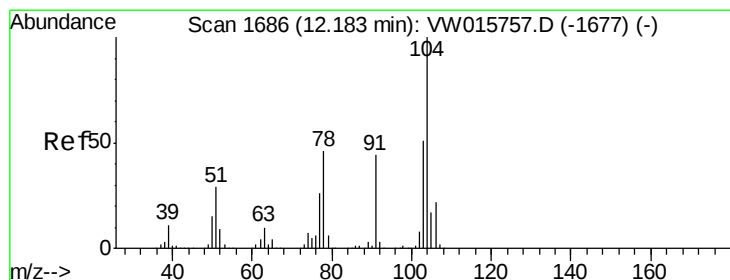
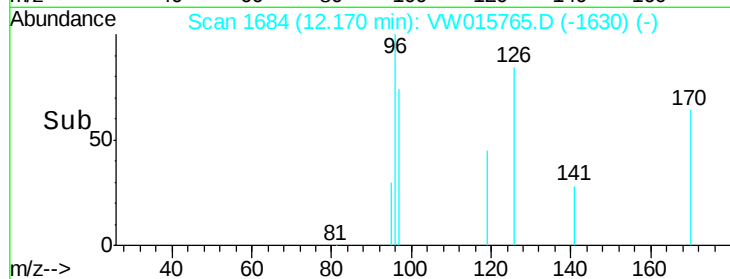
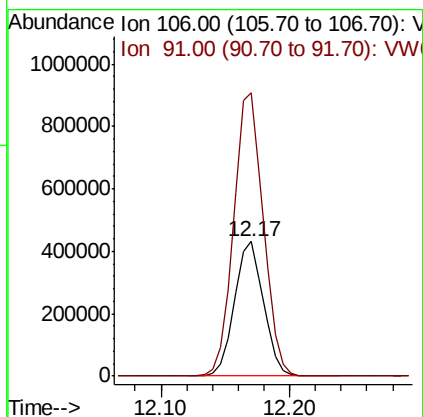
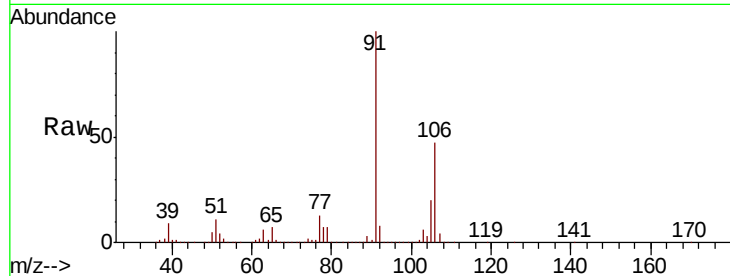




#55
o-xylene
Concen: 90.869 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015765.D
Acq: 29 Jun 2020 16:21

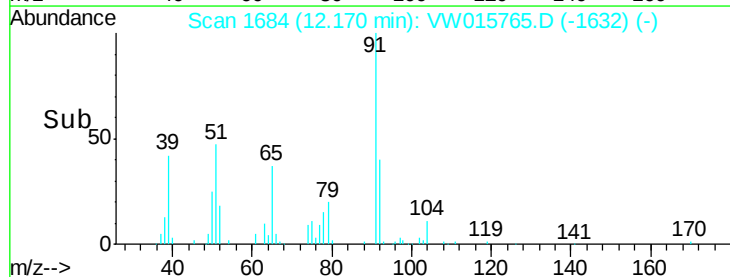
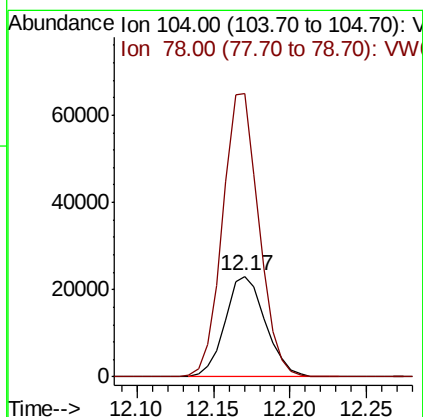
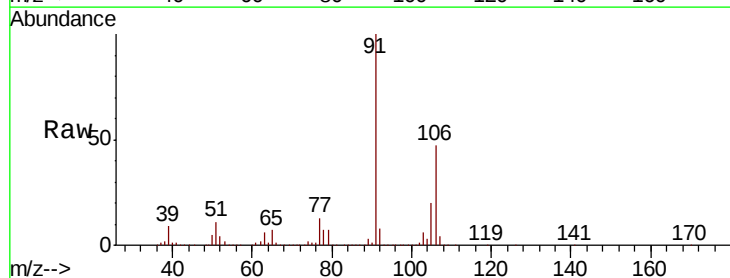
Instrument :
MSVOA_W
ClientSampled :
BG2M0

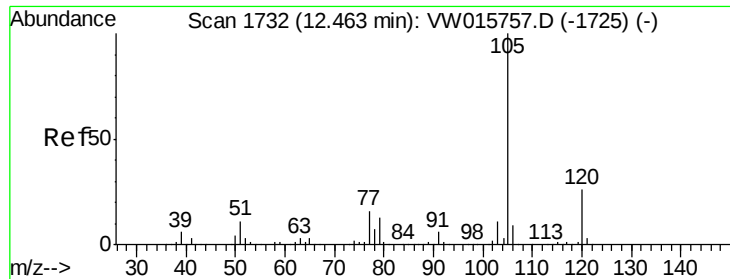
Tot Ion:106 Resp: 674053
Ion Ratio Lower Upper
106 100
91 210.7 151.3 280.9



#56
Styrene
Concen: 3.374 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW015765.D
Acq: 29 Jun 2020 16:21

Tgt Ion:104 Resp: 42484
Ion Ratio Lower Upper
104 100
78 281.7 32.4 60.2#





#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

ClientSampleId :

BG2M0

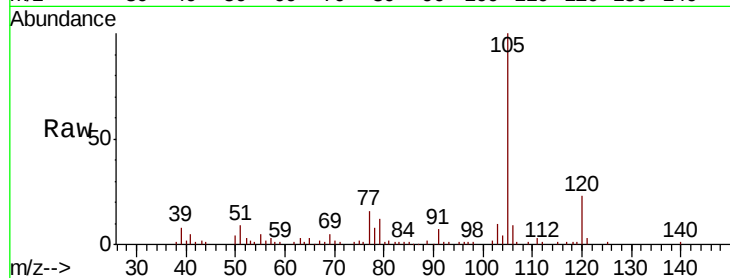
Tot Ion:105 Resp: 22236

Ion Ratio Lower Upper

105 100

120 24.3 21.0 31.6

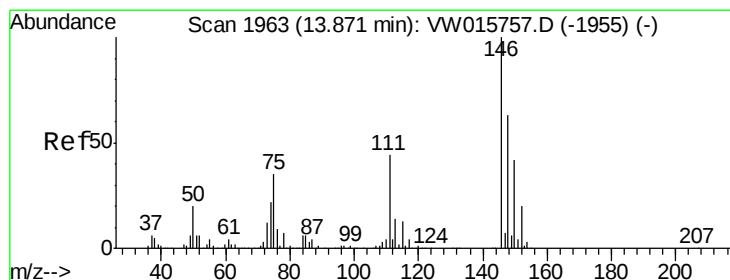
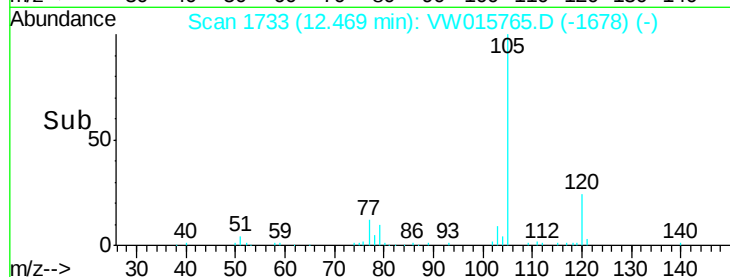
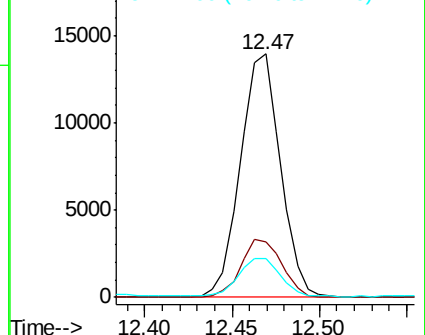
77 16.5 12.9 19.3



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

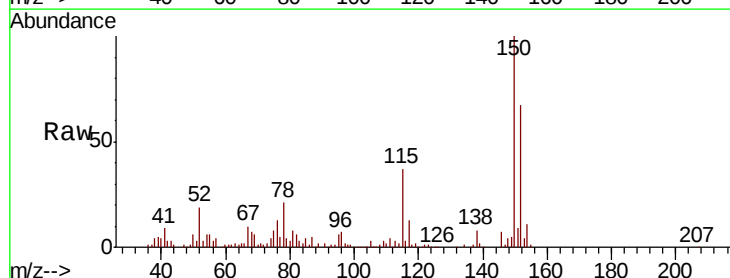
Tgt Ion:146 Resp: 4553

Ion Ratio Lower Upper

146 100

111 60.3 35.5 53.3#

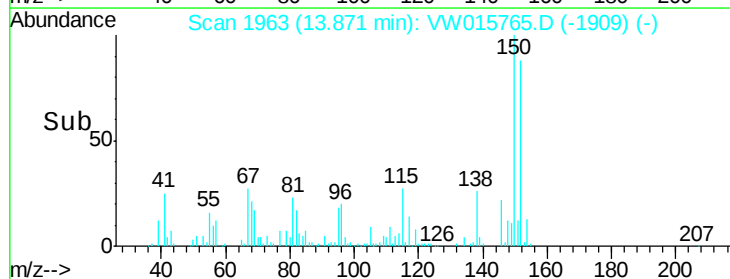
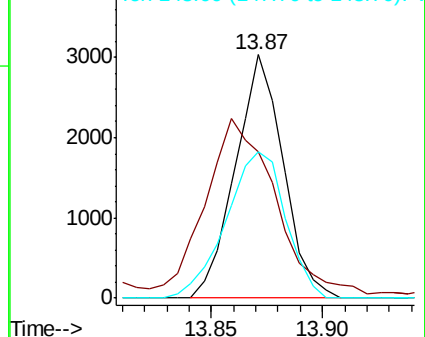
148 59.9 51.4 77.2

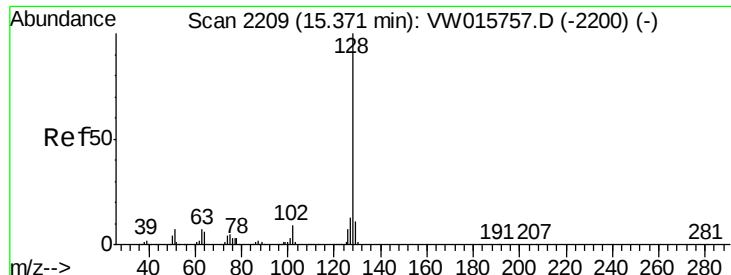


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 7.934 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015765.D

Acq: 29 Jun 2020 16:21

Instrument :

MSVOA_W

ClientSampleId :

BG2M0

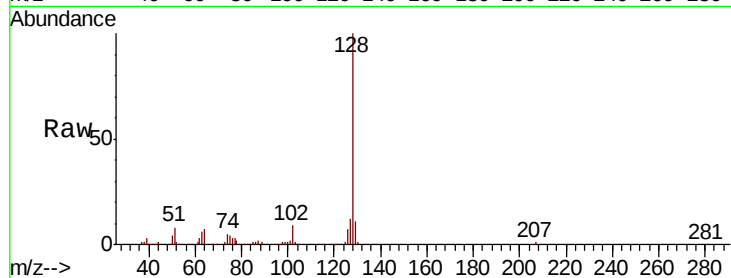
Tot Ion:128 Resp: 68488

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 12.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

