

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015760.D
 Acq On : 29 Jun 2020 14:12
 Operator : SY/VA
 Sample : L3131-02
 Misc : 5.92G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2L7

Quant Time: Jun 30 03:05:18 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	4751	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	2712	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	270	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	2229	28.89	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.56%
7) Chloroethane-d5	2.90	69	1745	27.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.80%
10) 1,1-Dichloroethene-d2	4.03	63	3318	24.22	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.88%
20) 2-Butanone-d5	7.10	46	268	16.47	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	32.94%
24) Chloroform-d	7.65	84	3739	28.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.92%
26) 1,2-Dichloroethane-d4	8.32	65	1891	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.29	84	7295	45.12	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	180.48%#
33) 1,2-Dichloropropane-d6	9.28	67	2102	43.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	175.64%#
37) Toluene-d8	10.33	98	4919	32.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	130.76%#
38) trans-1,3-Dichloropropene-	10.59	79	334	15.75	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.00%
39) 2-Hexanone-d5	10.94	63	44	5.64	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.28%#
48) 1,1,1,2,2-Tetrachloroethane-	12.70	84	951	25.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	516	49.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	197.16%#

Target Compounds

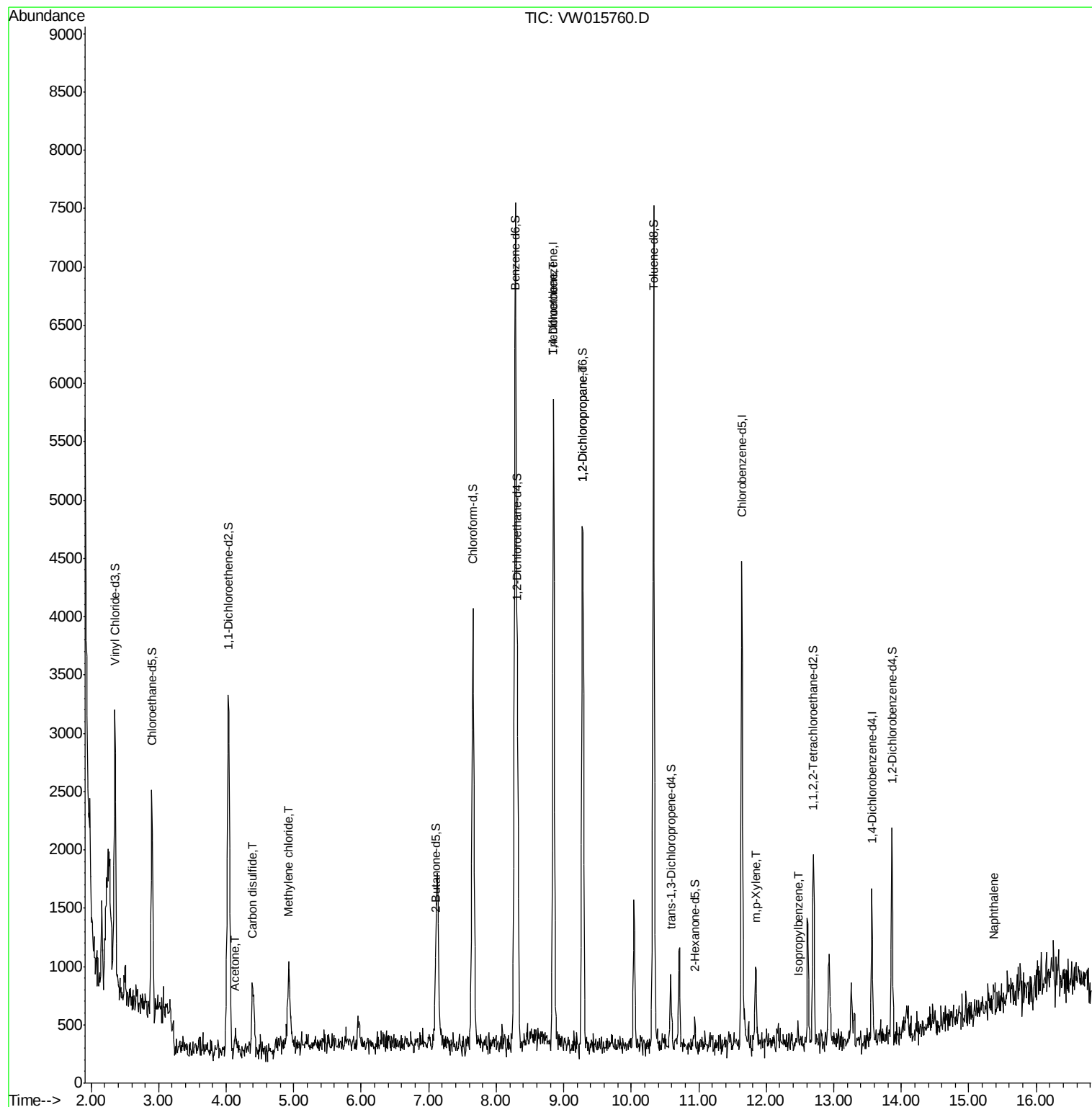
					Ovalue
13) Acetone	4.12	43	169	12.390	ug/L # 45
14) Carbon disulfide	4.39	76	503	2.931	ug/L # 76
16) Methylene chloride	4.93	84	314	4.504	ug/L # 75
35) Trichloroethene	8.85	95	114	2.870	ug/L # 5
40) 1,2-Dichloropropane	9.28	63	276	7.614	ug/L # 85
54) m,p-Xylene	11.85	106	220	3.217	ug/L 83
57) Isopropylbenzene	12.47	105	122	0.676	ug/L # 54
69) Naphthalene	15.37	128	176	10.854	ug/L # 69

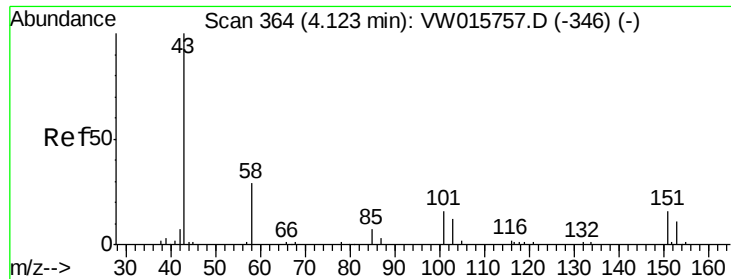
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 30 03:03:23 2020
Response via : Initial Calibration





#13

Acetone

Concen: 12.390 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015760.D

Acq: 29 Jun 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

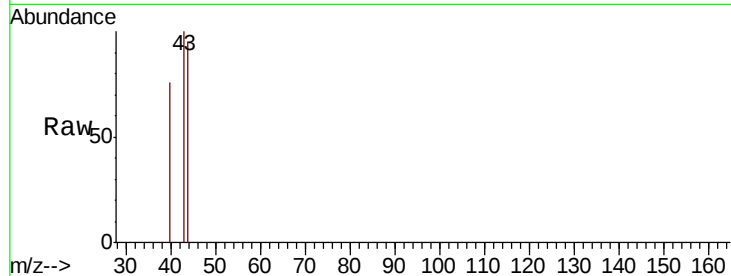
BG2L7

Tot Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

58 0.0 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

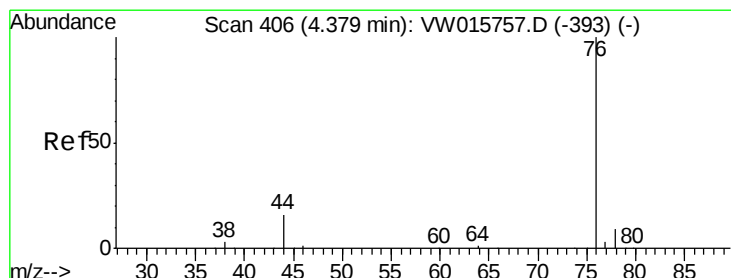
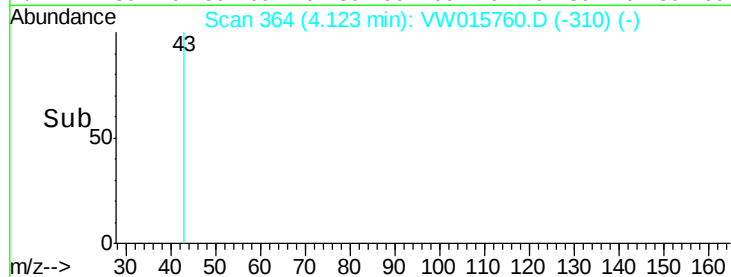
150

100

50

0

Time-->



#14

Carbon disulfide

Concen: 2.931 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015760.D

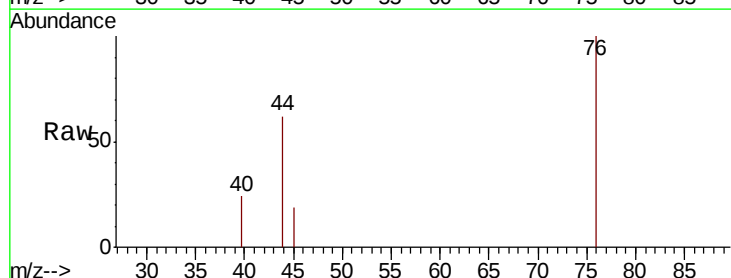
Acq: 29 Jun 2020 14:12

Tgt Ion: 76 Resp: 503

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

500

400

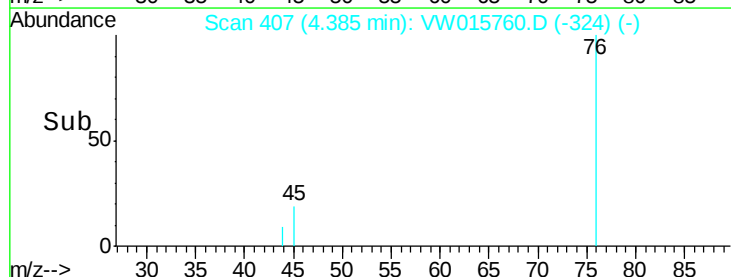
300

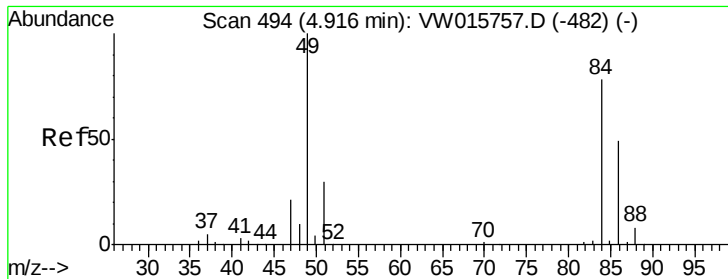
200

100

0

Time-->

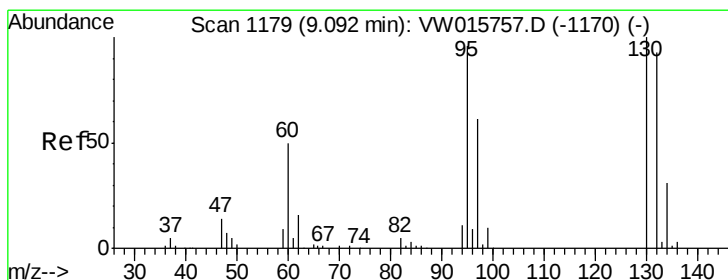
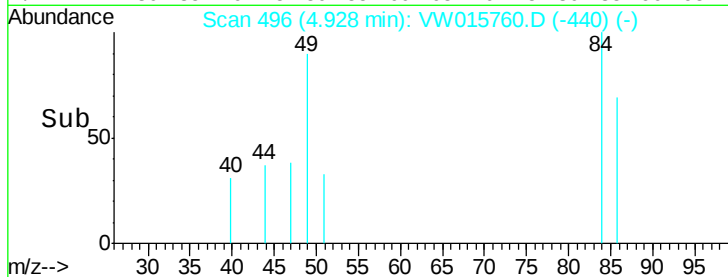
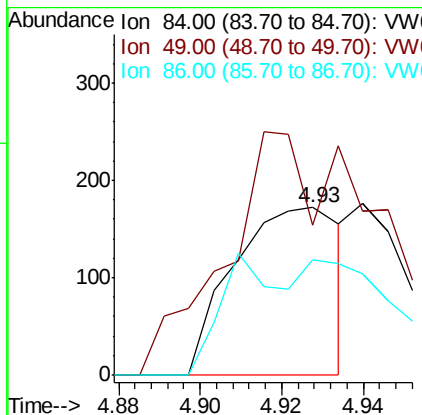
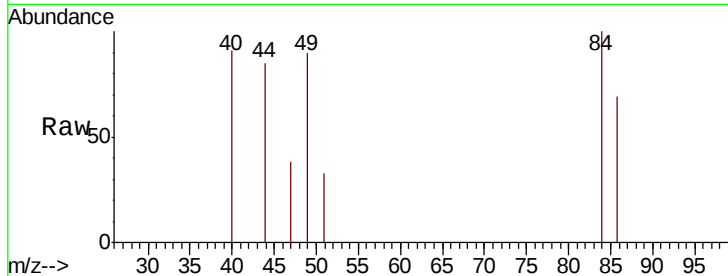




#16
Methvlene chloride
Concen: 4.504 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015760.D
Acq: 29 Jun 2020 14:12

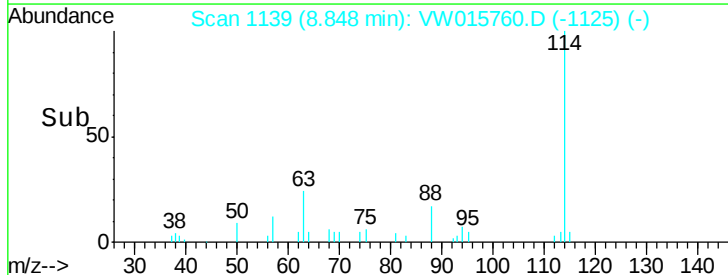
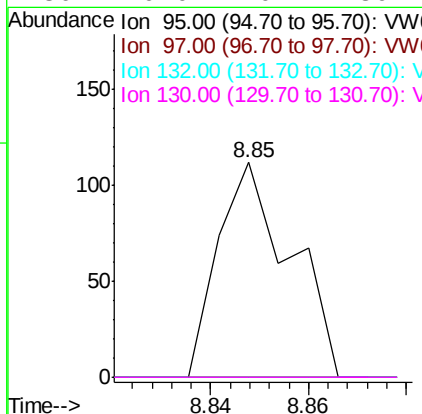
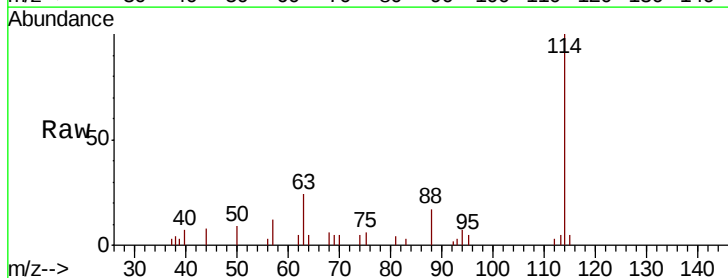
Instrument :
MSVOA_W
ClientSampled :
BG2L7

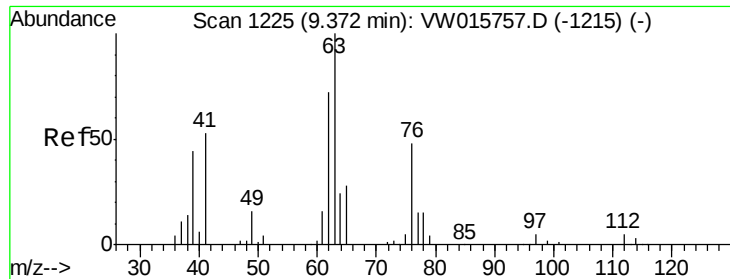
Tot Ion: 84 Resp: 314
Ion Ratio Lower Upper
84 100
49 89.5 90.0 167.2#
86 69.2 44.0 81.8



#35
Trichloroethene
Concen: 2.870 ug/L
RT: 8.85 min Scan# 1139
Delta R.T. -0.24 min
Lab File: VW015760.D
Acq: 29 Jun 2020 14:12

Tgt Ion: 95 Resp: 114
Ion Ratio Lower Upper
95 100
97 0.0 44.9 83.3#
132 0.0 67.8 126.0#
130 0.0 70.1 130.1#





#40

1,2-Dichloropropane

Concen: 7.614 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW015760.D

Acq: 29 Jun 2020 14:12

Instrument :

MSVOA_W

ClientSampled :

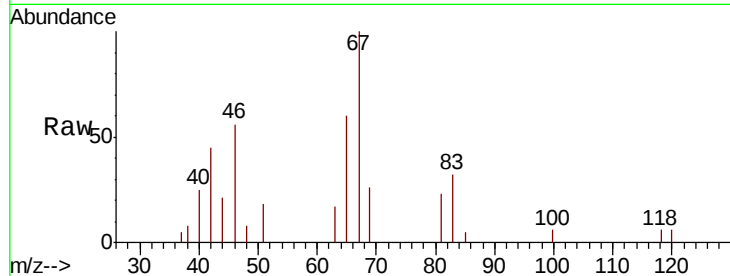
BG2L7

Tot Ion: 63 Resp: 276

Ion Ratio Lower Upper

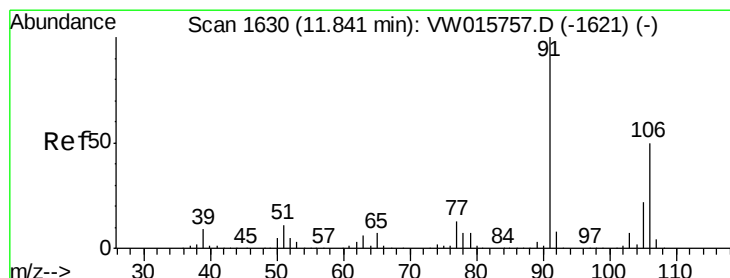
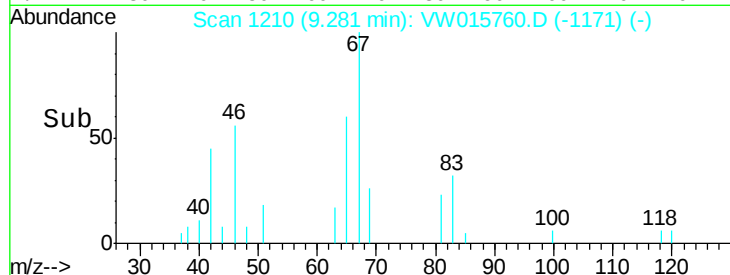
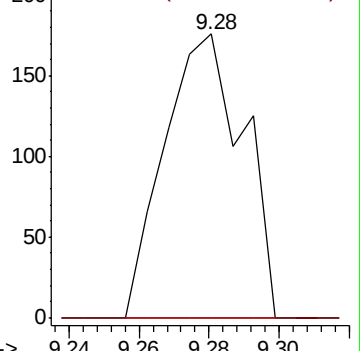
63 100

112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#54

m,p-Xylene

Concen: 3.217 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW015760.D

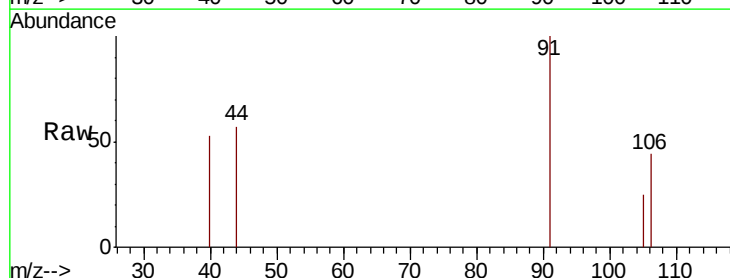
Acq: 29 Jun 2020 14:12

Tgt Ion:106 Resp: 220

Ion Ratio Lower Upper

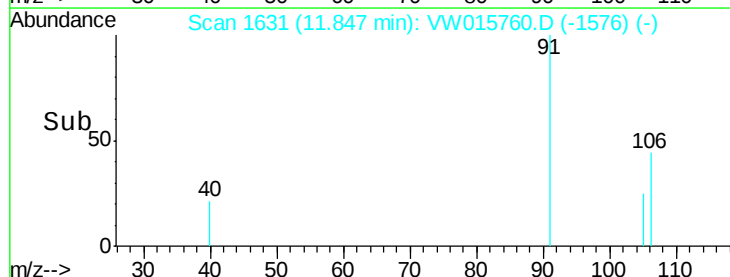
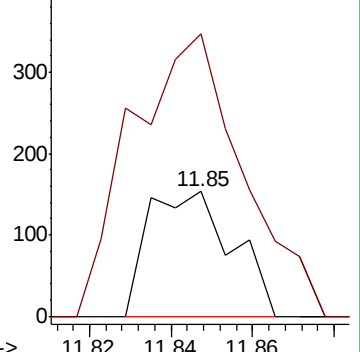
106 100

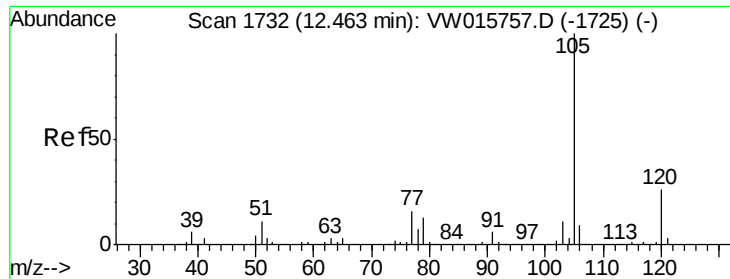
91 227.5 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.676 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015760.D

Acq: 29 Jun 2020 14:12

Instrument :

MSVOA_W

ClientSampleId :

BG2L7

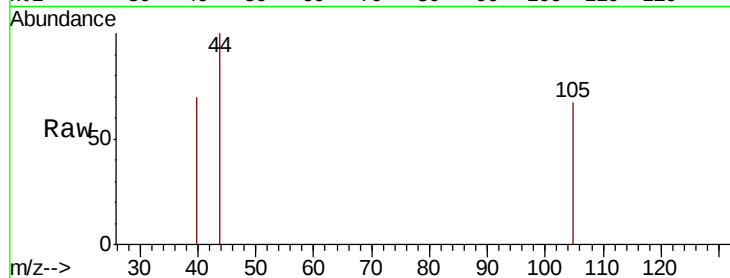
Tot Ion:105 Resp: 122

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.6#

77 0.0 12.9 19.3#



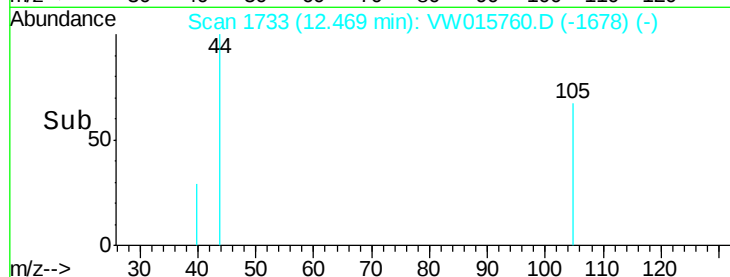
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

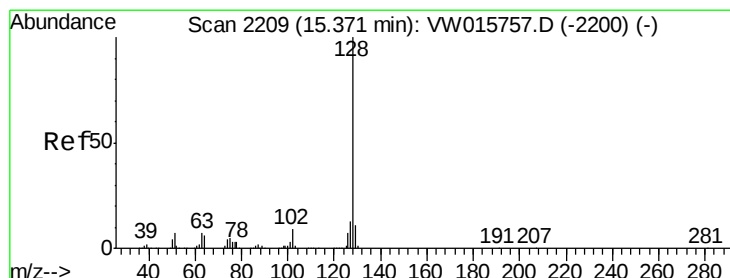
Ion 77.00 (76.70 to 77.70): V

12.47

12.46 12.48



Time-->



#69

Naphthalene

Concen: 10.854 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015760.D

Acq: 29 Jun 2020 14:12

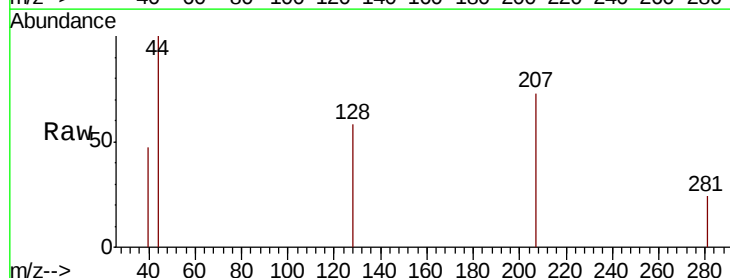
Tgt Ion:128 Resp: 176

Ion Ratio Lower Upper

128 100

129 0.0 8.9 13.3#

127 0.0 10.6 16.0#



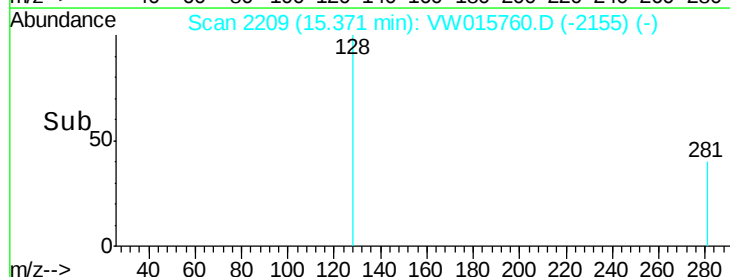
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.37

15.34 15.36 15.38



Time-->