

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058022.D
 Acq On : 13 Sep 2019 17:33
 Operator : JC/SP
 Sample : K4859-03RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-GW200-B4-091119RE

Quant Time: Sep 14 04:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	302964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	461669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	241317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	331994	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
35) Dibromofluoromethane	7.58	113	11177	2.36	ug/l	0.00
Spiked Amount			Recovery	=	4.72%	
50) Toluene-d8	10.09	98	895111	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.41	95	291130	41.49	ug/l	0.00
Spiked Amount			Recovery	=	82.98%	

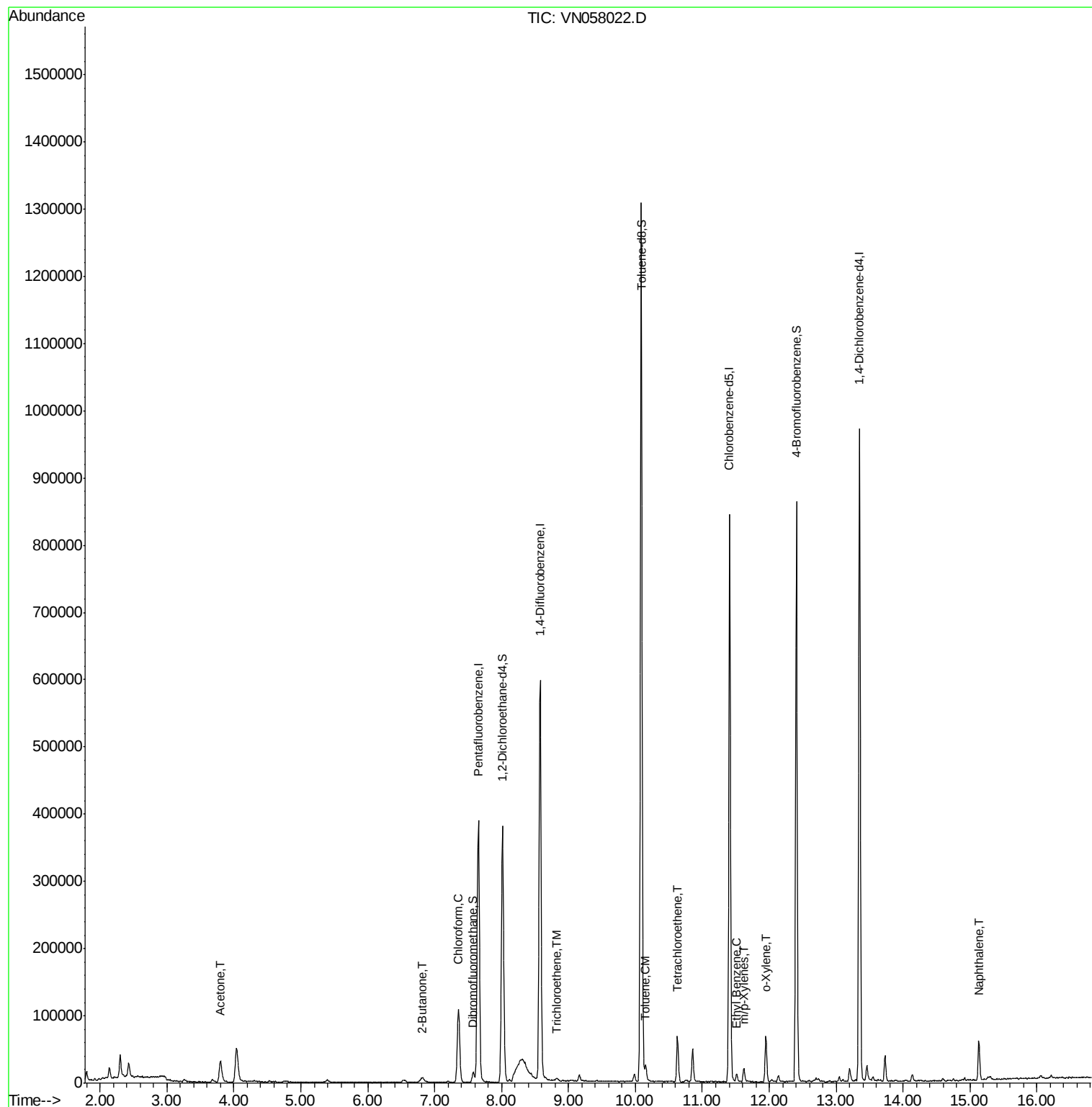
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	55557	27.618	ug/l	99
25) 2-Butanone	6.83	43	5404	1.856	ug/l #	89
30) Chloroform	7.36	83	110041	13.007	ug/l	99
44) Trichloroethene	8.83	130	1500	0.341	ug/l	66
52) Toluene	10.15	92	8802	0.779	ug/l	93
64) Tetrachloroethene	10.63	164	15190	4.456	ug/l	96
67) Ethyl Benzene	11.52	91	8787	0.415	ug/l	95
68) m/p-Xylenes	11.62	106	6379	0.822	ug/l	94
69) o-Xylene	11.95	106	16670	2.162	ug/l	89
95) Naphthalene	15.13	128	47138	1.823	ug/l	98

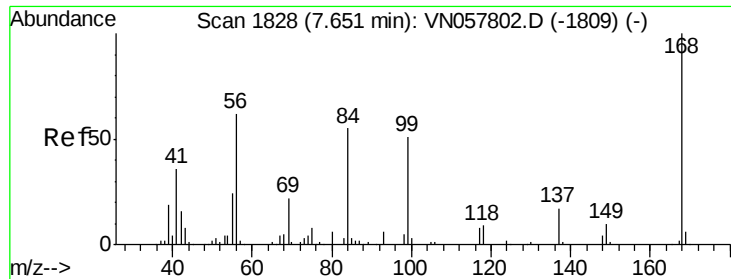
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

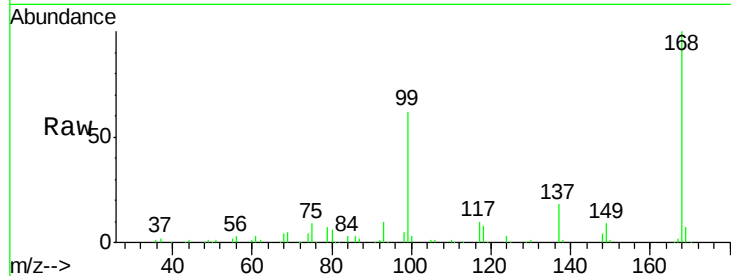
IDW-GW200-B4-091119RE

Tot Ion:168 Resp: 302964

Ion Ratio Lower Upper

168 100

99 61.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

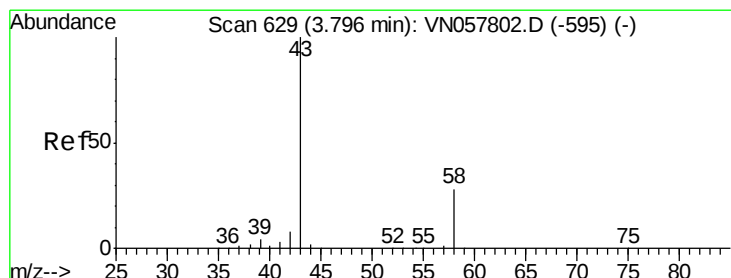
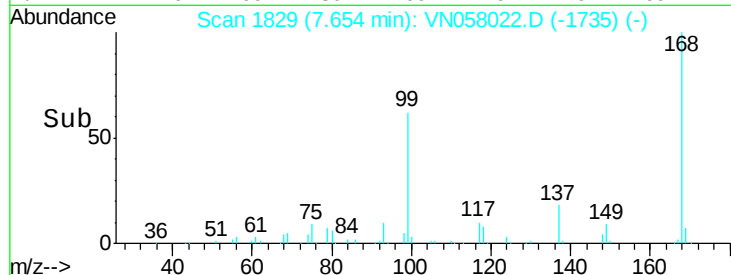
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 27.618 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058022.D

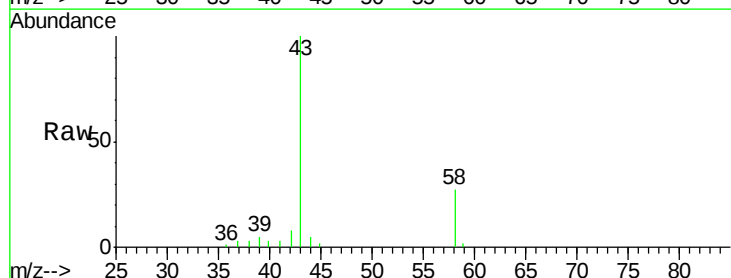
Acq: 13 Sep 2019 17:33

Tgt Ion: 43 Resp: 55557

Ion Ratio Lower Upper

43 100

58 26.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

20000

15000

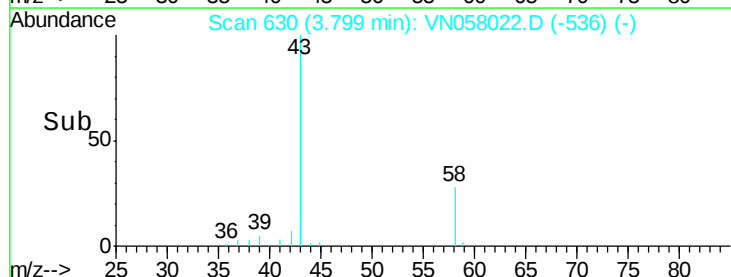
10000

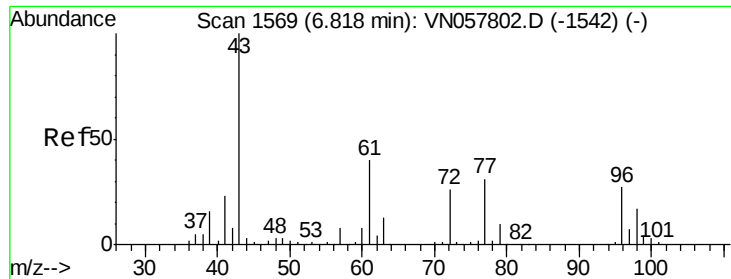
5000

0

3.70 3.80 3.90

Time-->

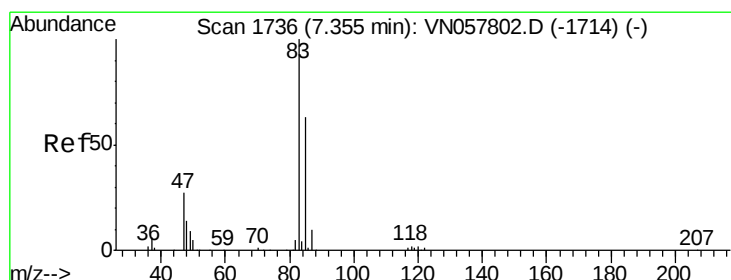
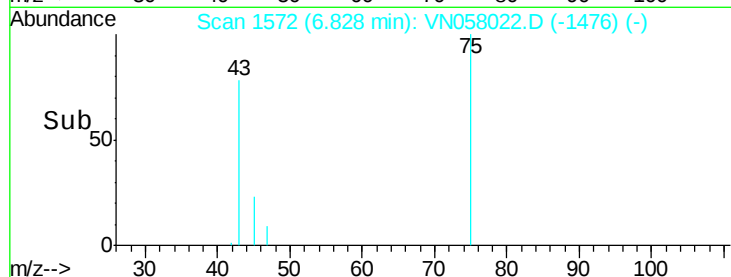
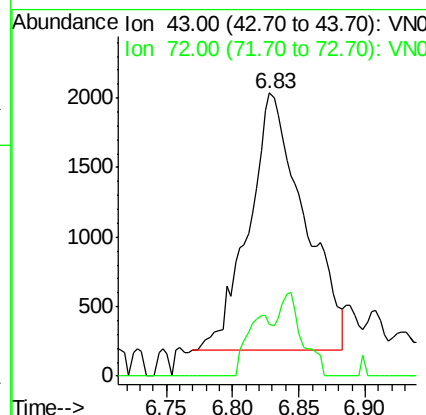
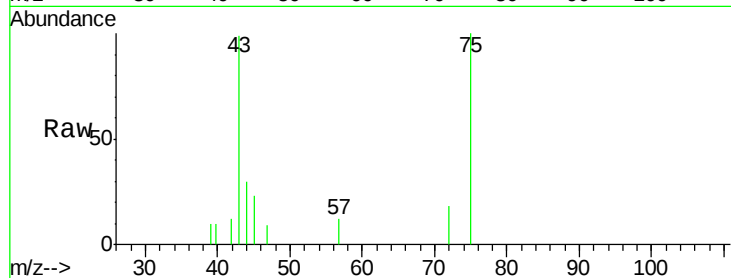




#25
2-Butanone
Concen: 1.856 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN058022.D
Acq: 13 Sep 2019 17:33

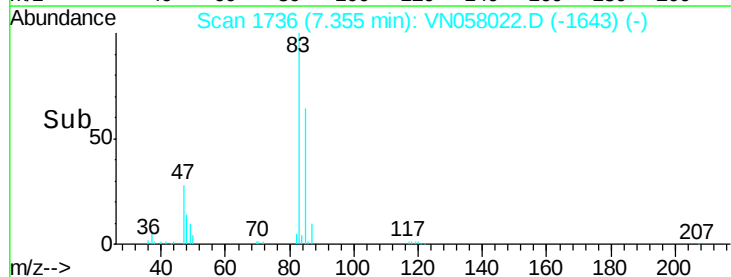
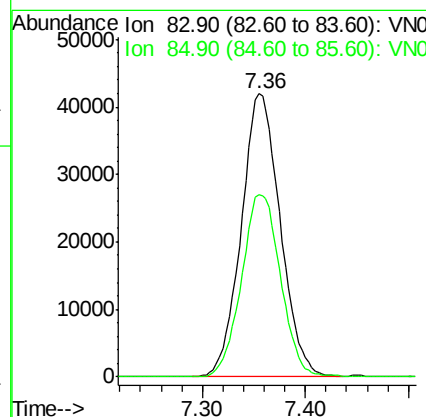
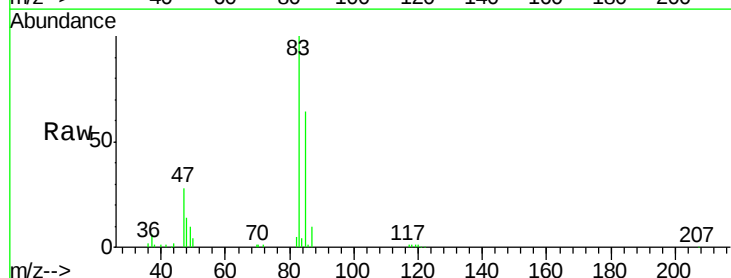
Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200-B4-091119RE

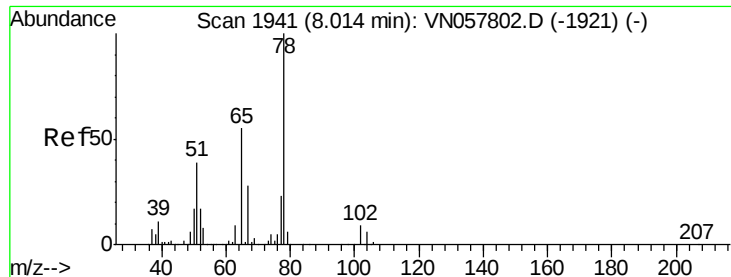
Tot Ion: 43 Resp: 5404
Ion Ratio Lower Upper
43 100
72 20.3 20.6 30.8#



#30
Chloroform
Concen: 13.007 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058022.D
Acq: 13 Sep 2019 17:33

Tgt Ion: 83 Resp: 110041
Ion Ratio Lower Upper
83 100
85 64.2 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 54.103 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

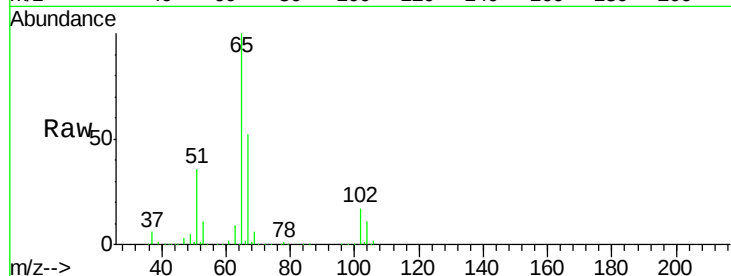
IDW-GW200-B4-091119RE

Tot Ion: 65 Resp: 331994

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN058022.D (-1848) (-)

Ion 66.90 (66.60 to 67.60): VN058022.D (-1848) (-)

8.01

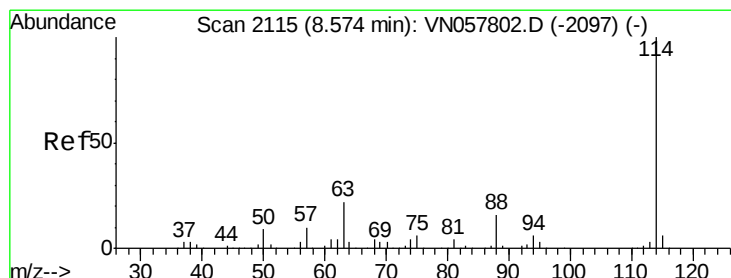
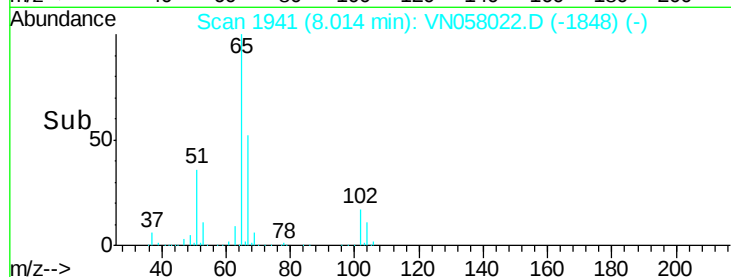
150000

100000

50000

0

Time--> 7.90 8.01 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

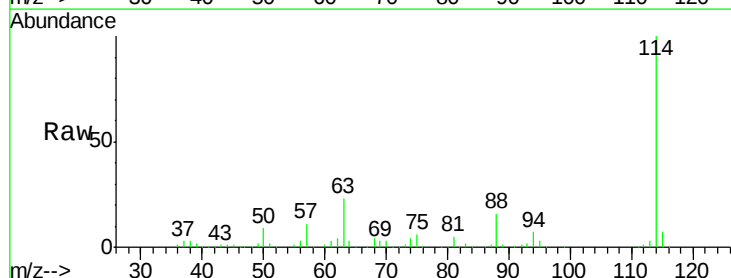
Tgt Ion: 114 Resp: 513877

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN058022.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058022.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058022.D (-2022) (-)

8.58

300000

250000

200000

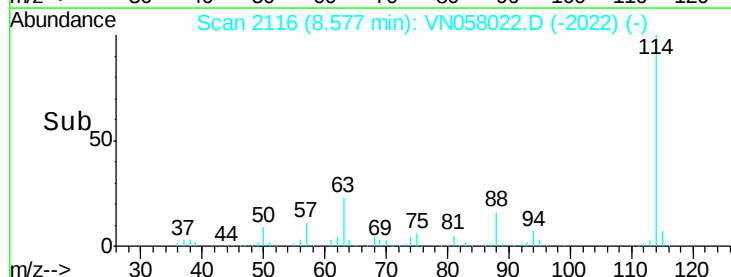
150000

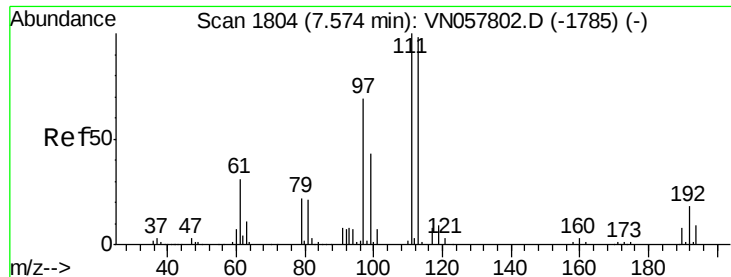
100000

50000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 2.357 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200-B4-091119RE

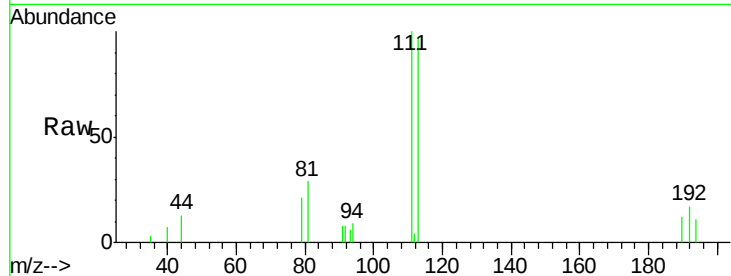
Tot Ion:113 Resp: 11177

Ion Ratio Lower Upper

113 100

111 106.1 81.3 121.9

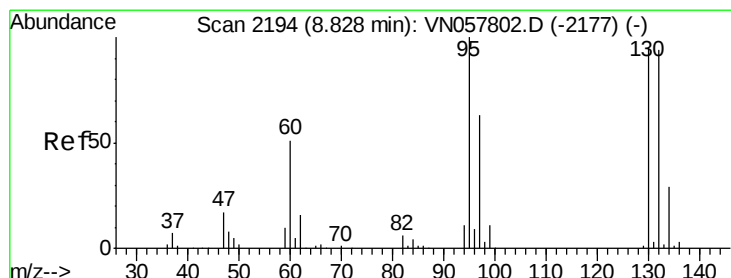
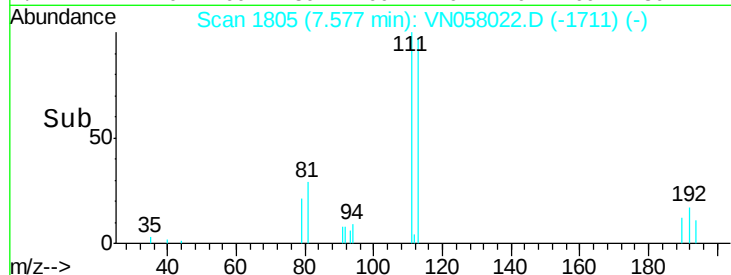
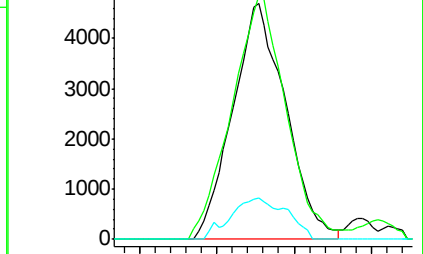
192 18.4 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#44

Trichloroethene

Concen: 0.341 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN058022.D

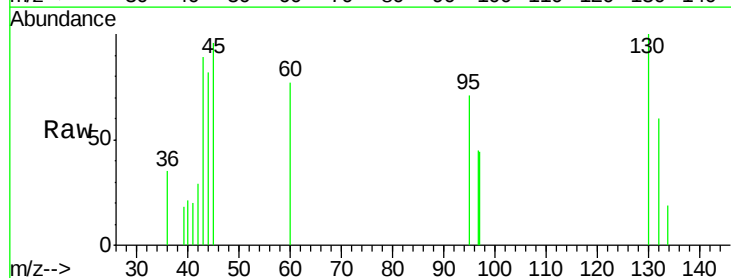
Acq: 13 Sep 2019 17:33

Tgt Ion:130 Resp: 1500

Ion Ratio Lower Upper

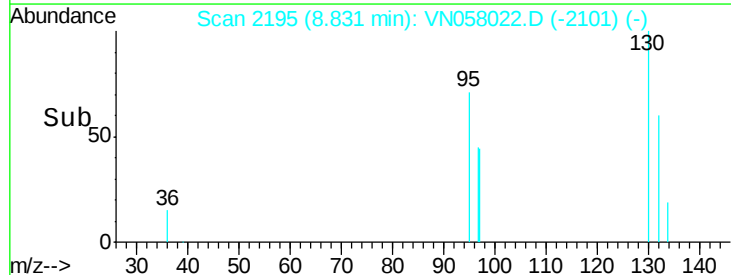
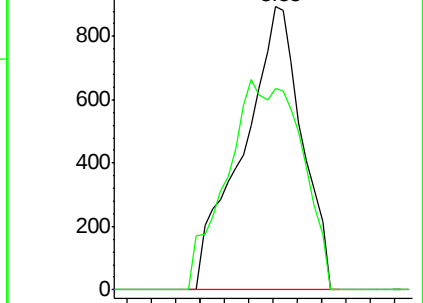
130 100

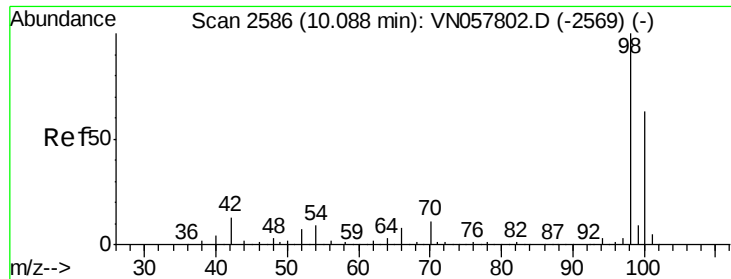
95 71.0 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.609 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

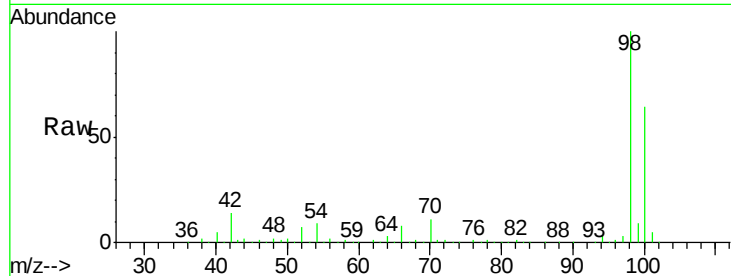
IDW-GW200-B4-091119RE

Tot Ion: 98 Resp: 895111

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN058022.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN058022.D (-2569) (-)

10.09

500000

400000

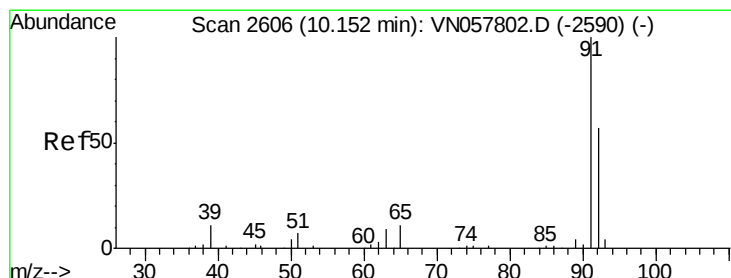
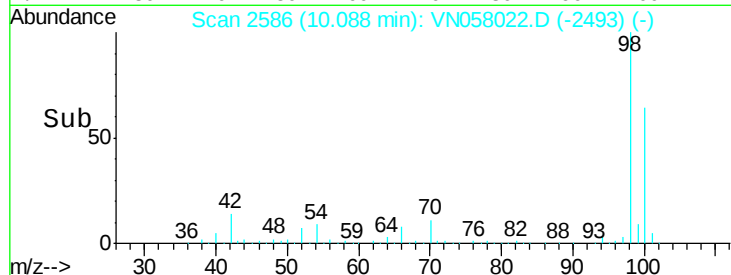
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.779 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058022.D

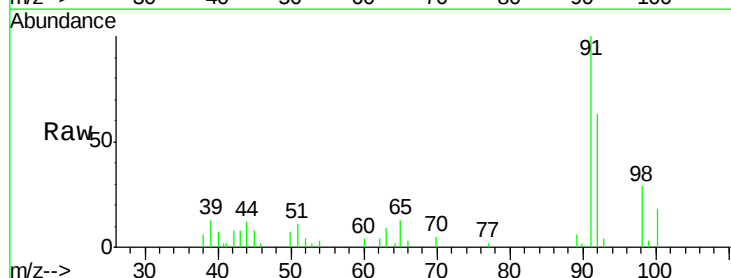
Acq: 13 Sep 2019 17:33

Tgt Ion: 92 Resp: 8802

Ion Ratio Lower Upper

92 100

91 165.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN058022.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN058022.D (-2590) (-)

10.15

8000

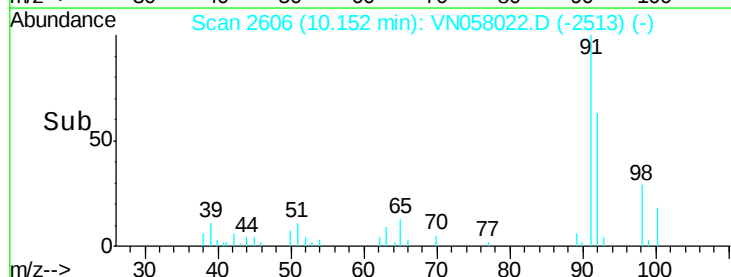
6000

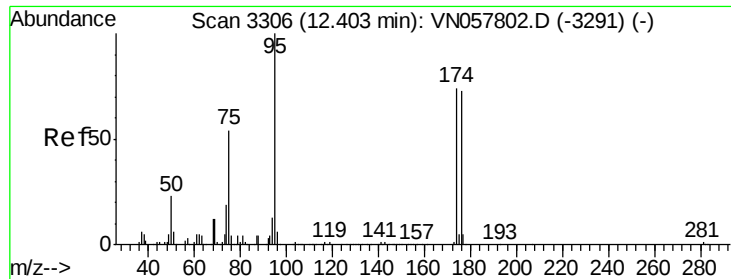
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.486 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200-B4-091119RE

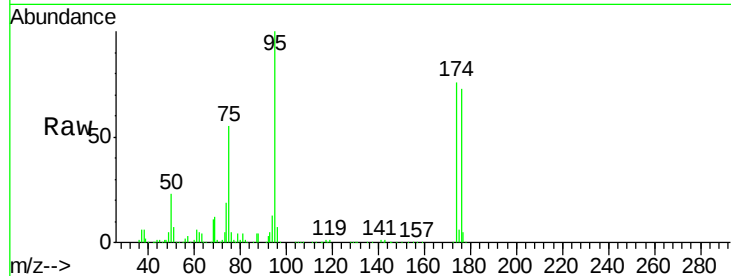
Tot Ion: 95 Resp: 291130

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 72.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN058022.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058022.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058022.D (-3213) (-)

12.41

200000

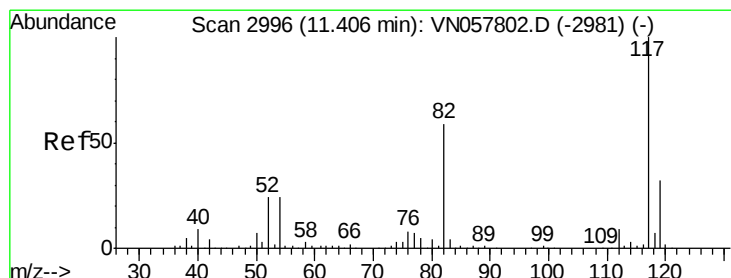
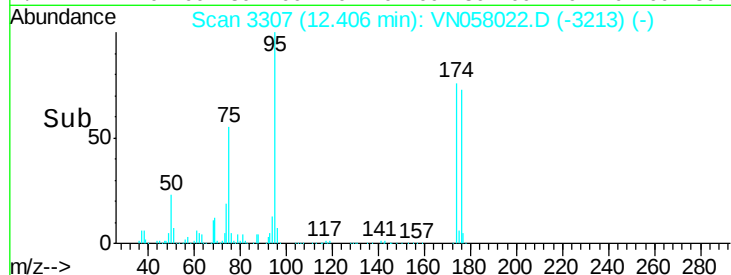
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

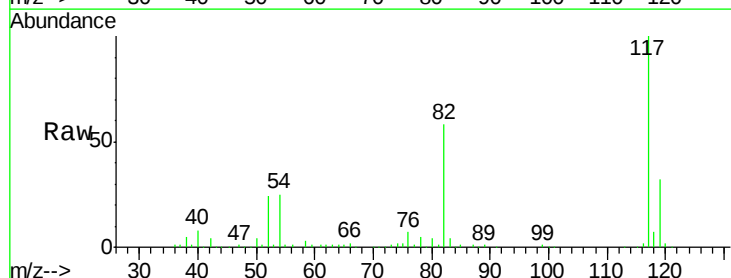
Tgt Ion: 117 Resp: 461669

Ion Ratio Lower Upper

117 100

82 58.3 47.2 70.8

119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN058022.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058022.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058022.D (-2903) (-)

11.41

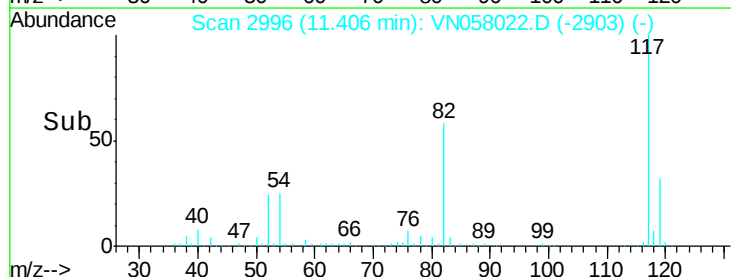
300000

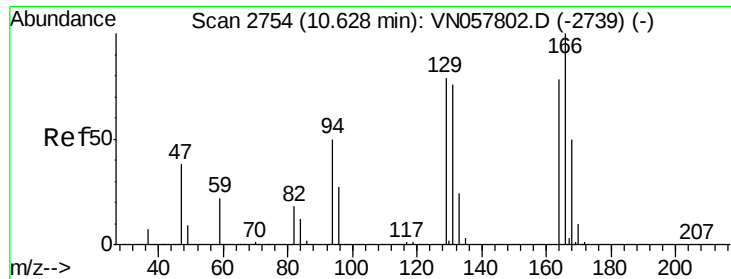
200000

100000

0

Time--> 11.30 11.40 11.50

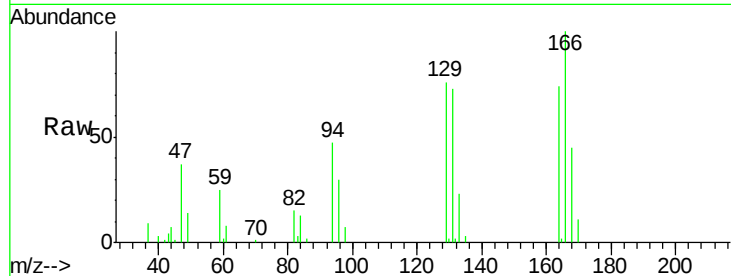




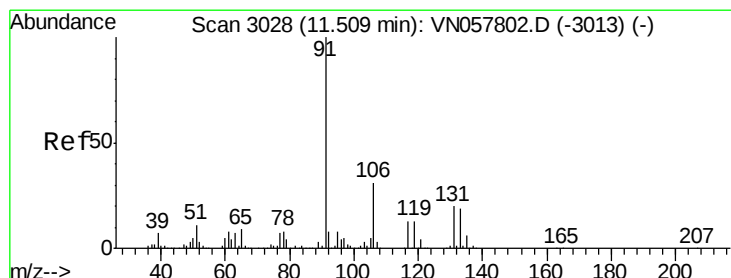
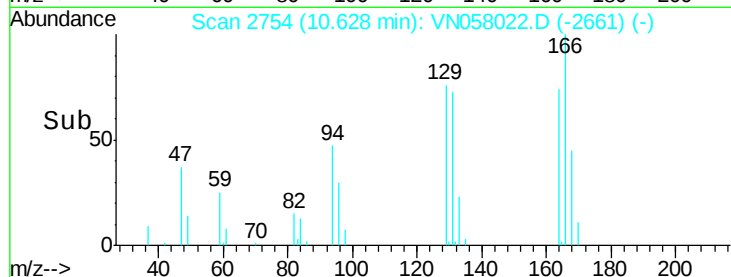
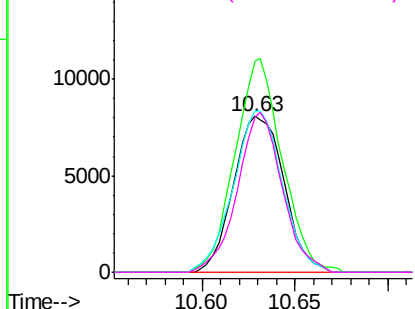
#64
Tetrachloroethene
Concen: 4.456 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058022.D
Acq: 13 Sep 2019 17:33

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200-B4-091119RE

Tot Ion:164 Resp: 15190
Ion Ratio Lower Upper
164 100
166 136.0 102.2 153.2
129 103.4 80.8 121.2
131 99.5 77.4 116.2

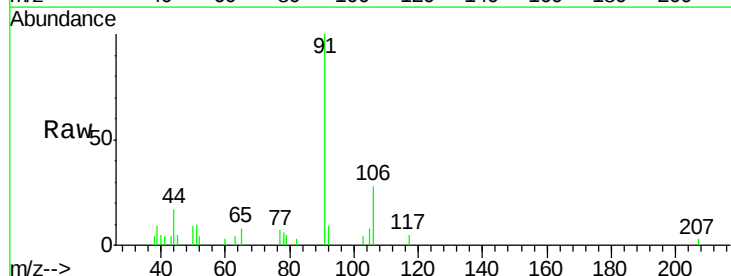


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

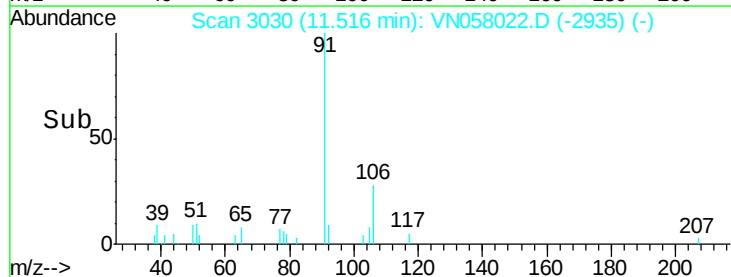
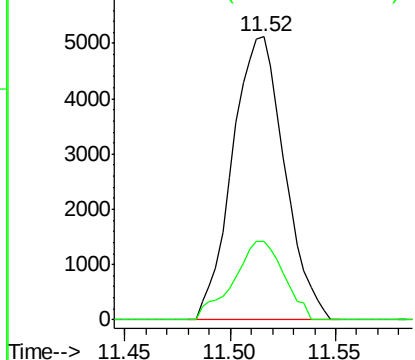


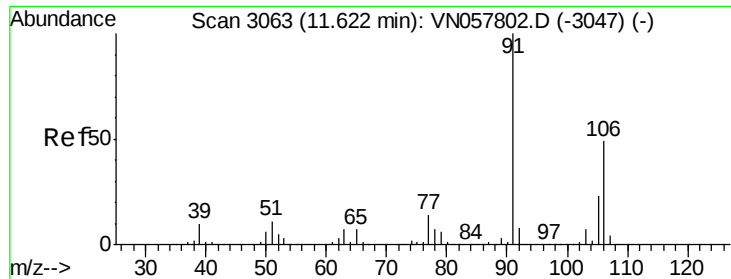
#67
Ethyl Benzene
Concen: 0.415 ug/l
RT: 11.52 min Scan# 3030
Delta R.T. 0.01 min
Lab File: VN058022.D
Acq: 13 Sep 2019 17:33

Tgt Ion: 91 Resp: 8787
Ion Ratio Lower Upper
91 100
106 27.8 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

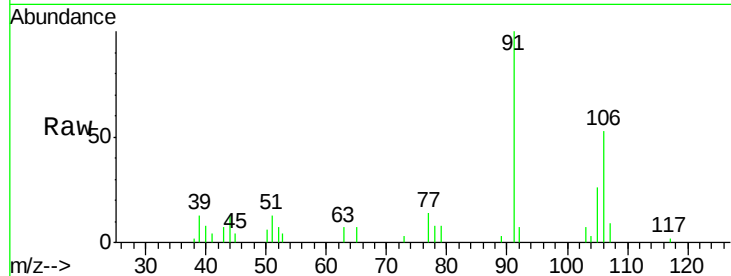




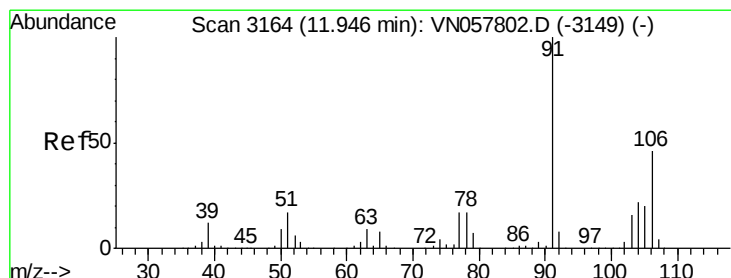
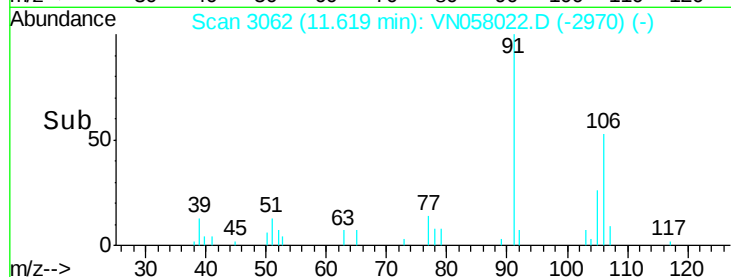
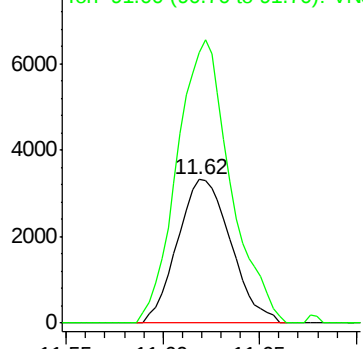
#68
m/p-Xylenes
Concen: 0.822 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058022.D
Acq: 13 Sep 2019 17:33

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW200-B4-091119RE

Tot Ion:106 Resp: 6379
Ion Ratio Lower Upper
106 100
91 197.4 165.8 248.6

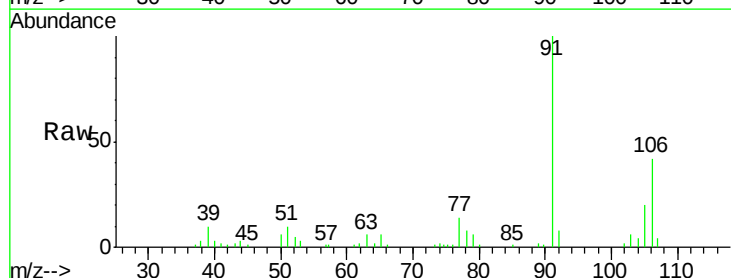


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

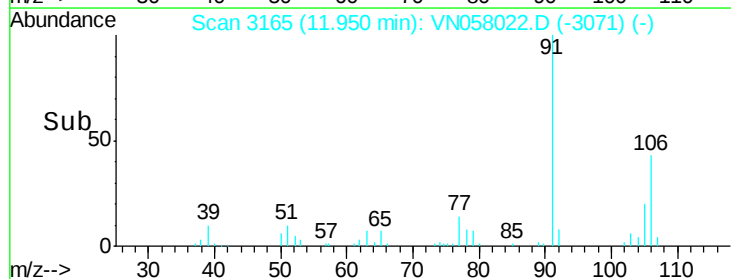
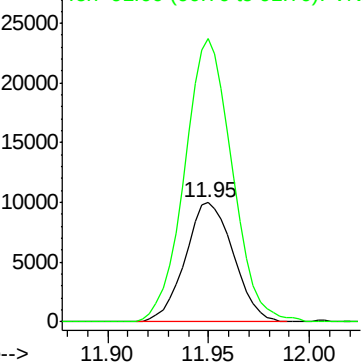


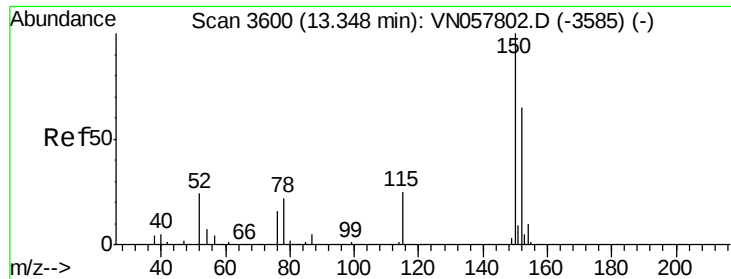
#69
o-Xylene
Concen: 2.162 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058022.D
Acq: 13 Sep 2019 17:33

Tgt Ion:106 Resp: 16670
Ion Ratio Lower Upper
106 100
91 234.6 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW200-B4-091119RE

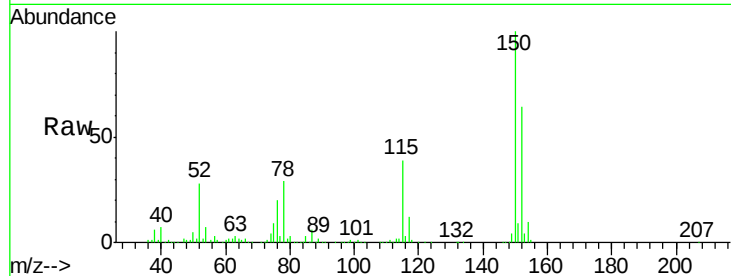
Tot Ion:152 Resp: 241317

Ion Ratio Lower Upper

152 100

115 61.0 30.3 91.0

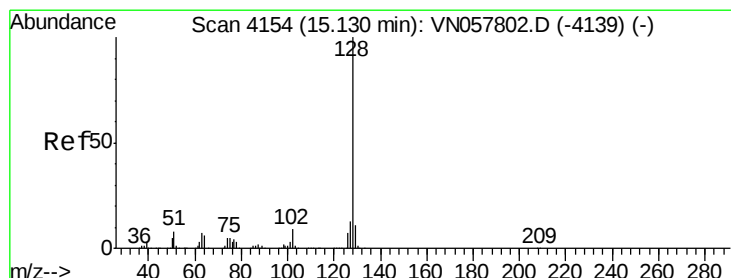
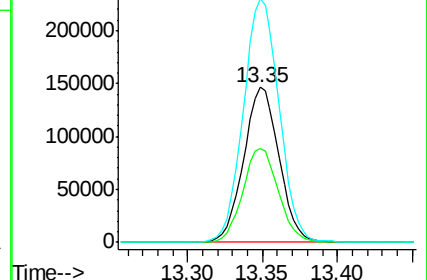
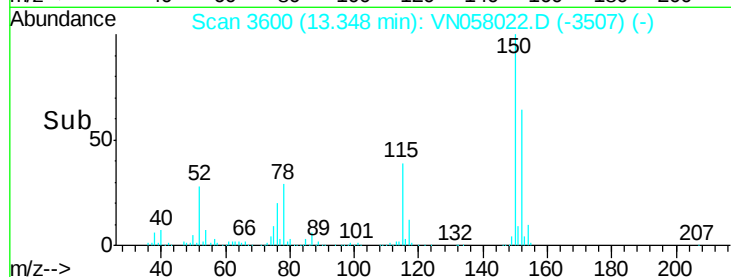
150 159.1 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 1.823 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058022.D

Acq: 13 Sep 2019 17:33

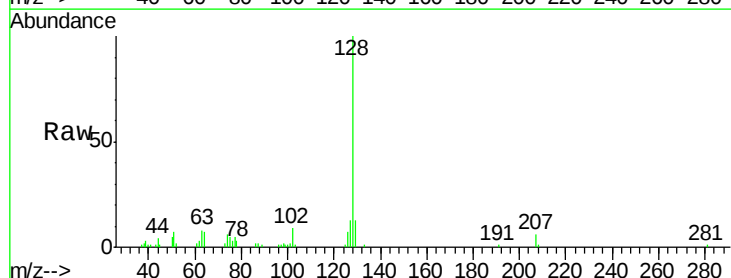
Tgt Ion:128 Resp: 47138

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

