

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056507.D
 Acq On : 26 Jun 2019 15:34
 Operator : JC/SP
 Sample : K3543-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-MW202D1-GW-20190625

Quant Time: Jun 27 08:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

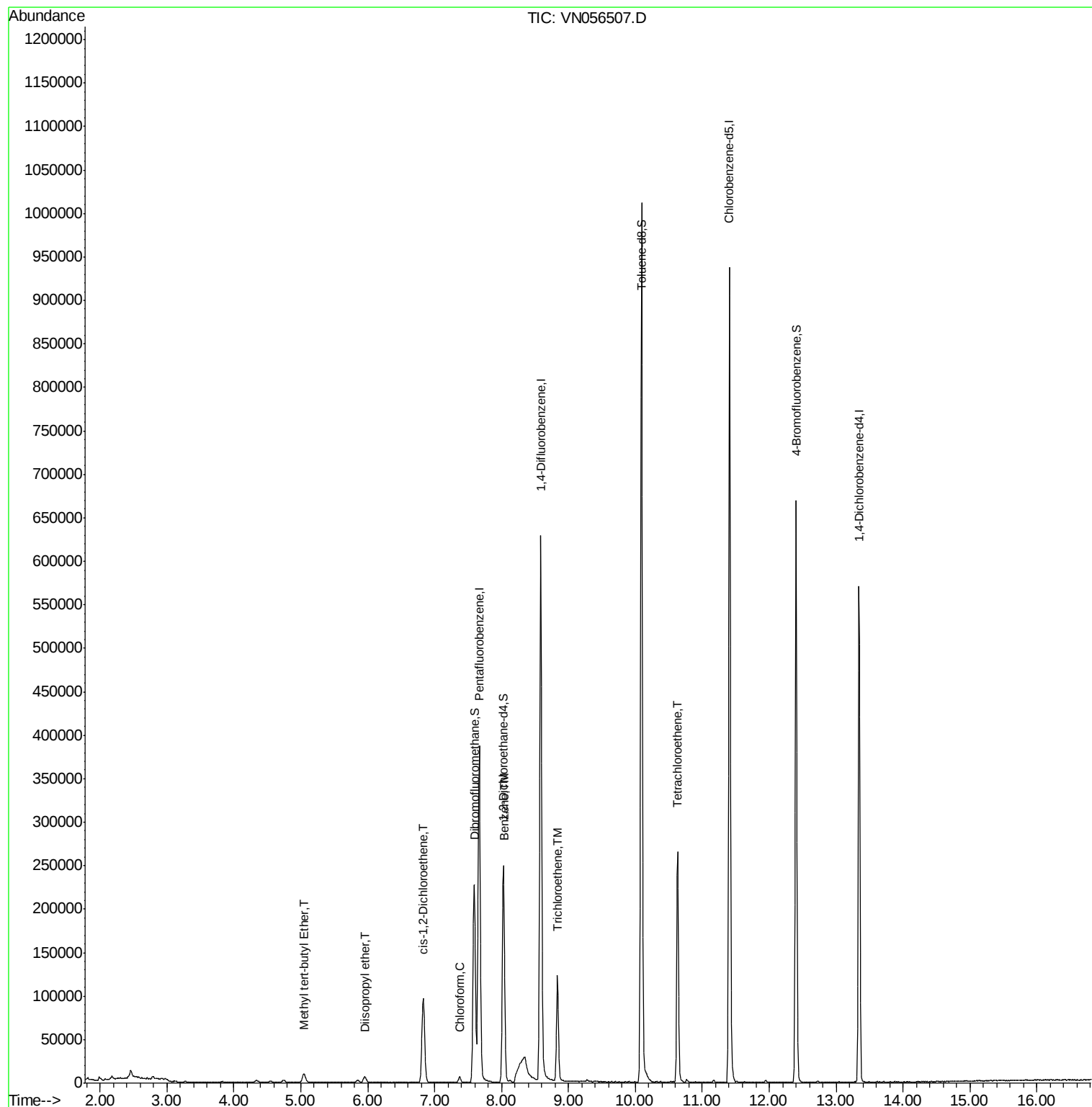
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	351630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	602003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	202041	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	177522	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
50) Toluene-d8	10.09	98	748192	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	236952	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
Target Compounds						
19) Methyl tert-butyl Ether	5.04	73	13929	1.355	ug/l	94
22) Diisopropyl ether	5.95	45	8945	0.824	ug/l #	89
27) cis-1,2-Dichloroethene	6.83	96	68273	17.425	ug/l	90
30) Chloroform	7.37	83	7343	1.194	ug/l	95
40) Benzene	8.04	78	14030	0.861	ug/l	99
44) Trichloroethene	8.83	130	48912	11.140	ug/l	98
64) Tetrachloroethene	10.63	164	70485	15.022	ug/l	98

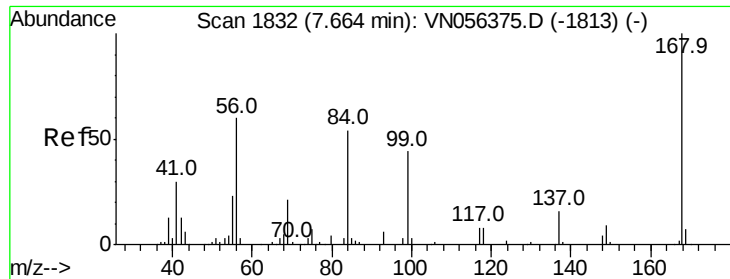
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

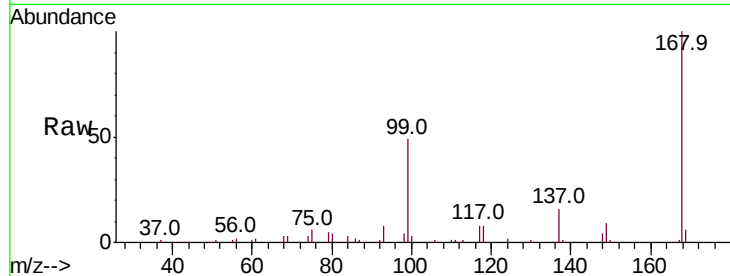
BP-TT-MW202D1-GW-20190625

Tot Ion:168 Resp: 351630

Ion Ratio Lower Upper

168 100

99 49.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

150000

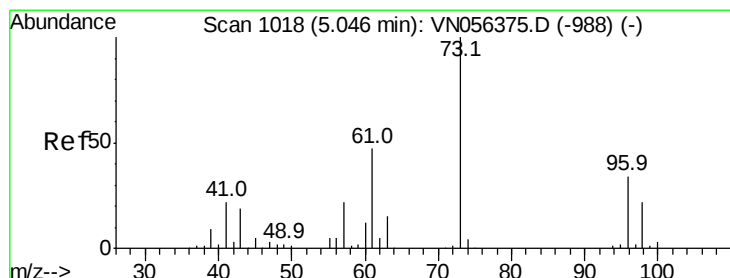
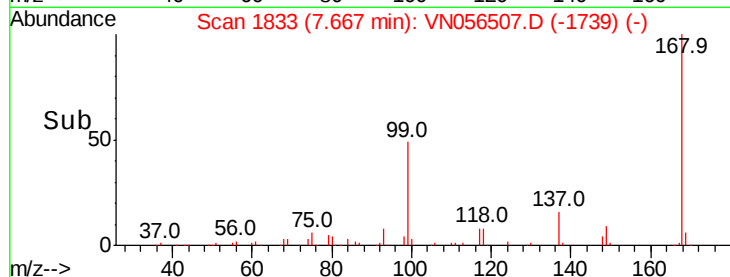
100000

50000

0

7.60 7.70 7.80

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.355 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN056507.D

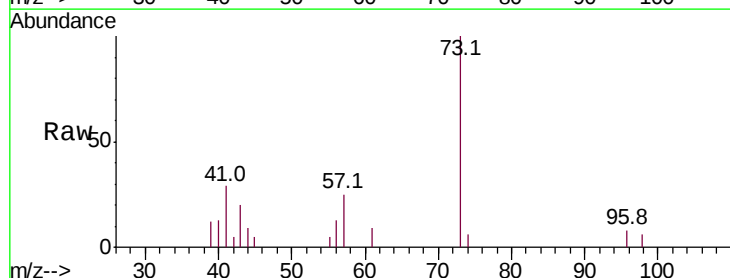
Acq: 26 Jun 2019 15:34

Tgt Ion: 73 Resp: 13929

Ion Ratio Lower Upper

73 100

57 25.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN056375.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN056375.D (-988) (-)

5.04

4000

3000

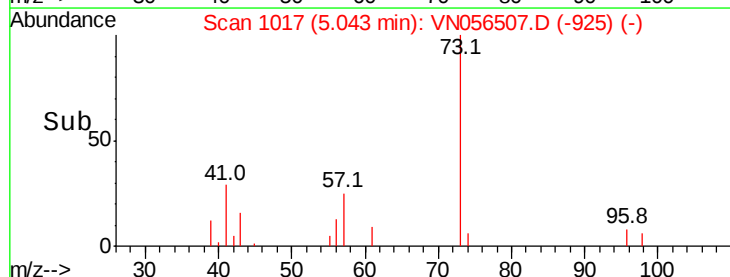
2000

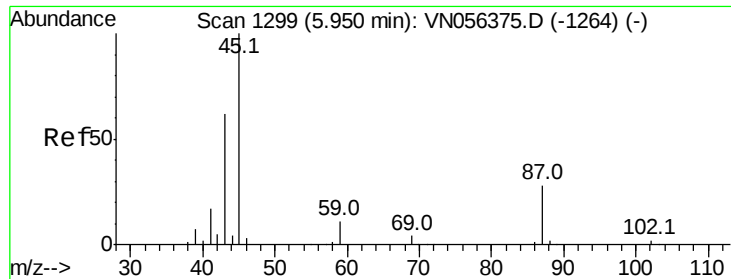
1000

0

5.00 5.10

Time-->





#22

Diisopropyl ether

Concen: 0.824 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-MW202D1-GW-20190625

Tot Ion: 45 Resp: 8945

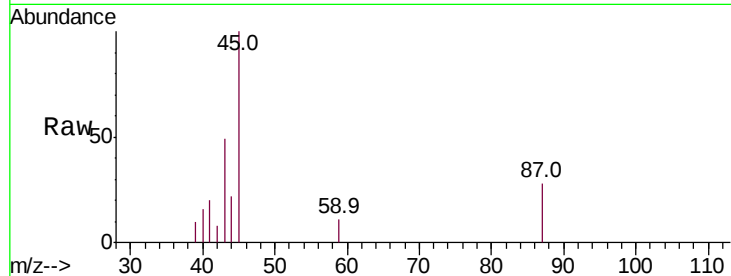
Ion Ratio Lower Upper

45 100

43 49.4 50.4 75.6#

87 27.7 23.0 34.4

59 10.8 9.1 13.7



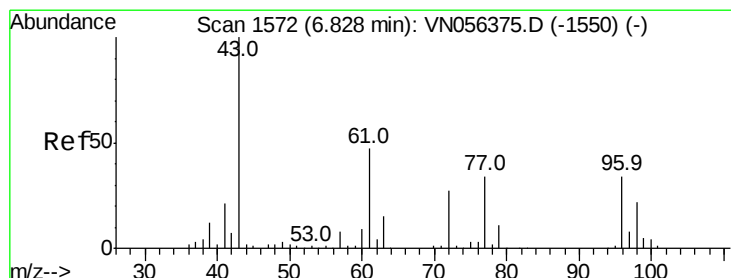
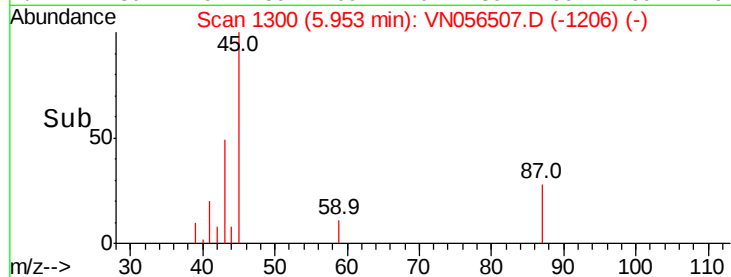
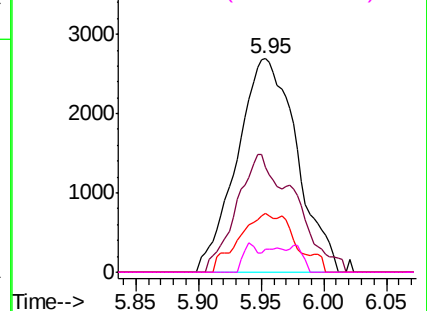
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 17.425 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

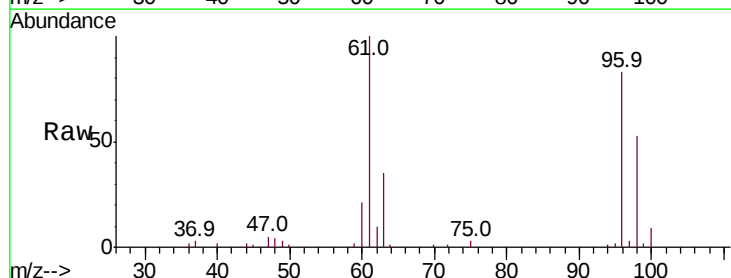
Tgt Ion: 96 Resp: 68273

Ion Ratio Lower Upper

96 100

61 123.6 0.0 279.8

98 63.0 0.0 130.0

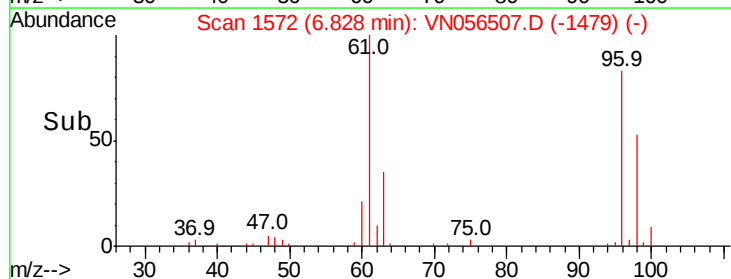
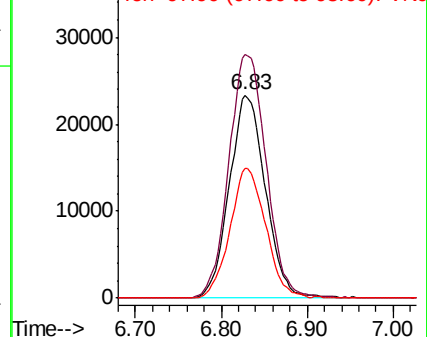


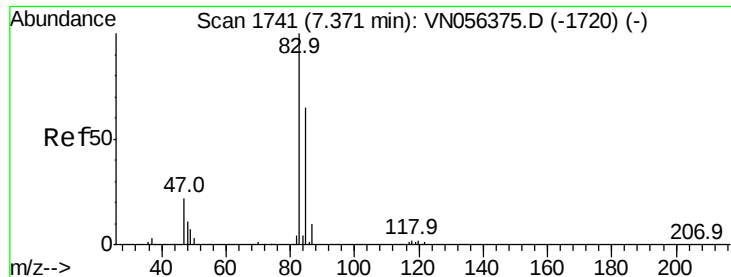
Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#30

Chloroform

Concen: 1.194 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

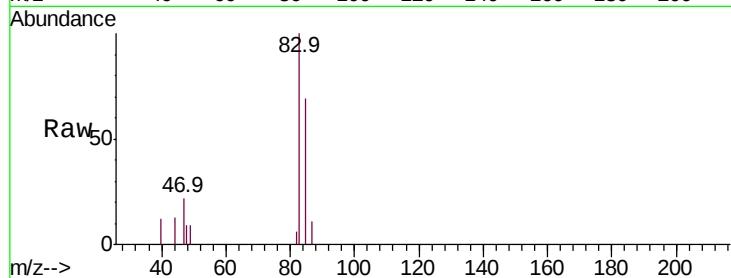
BP-TT-MW202D1-GW-20190625

Tot Ion: 83 Resp: 7343

Ion Ratio Lower Upper

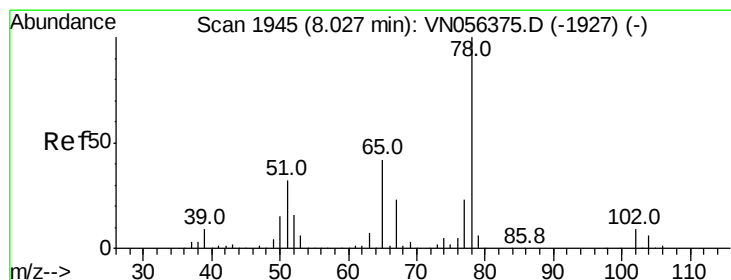
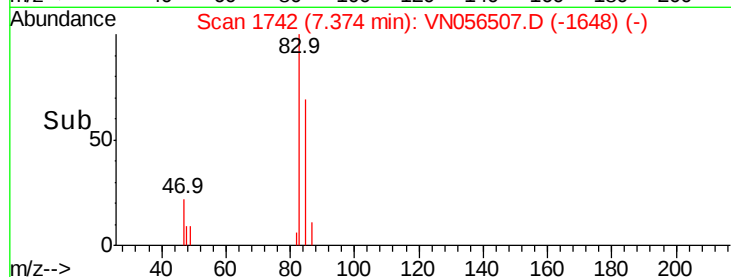
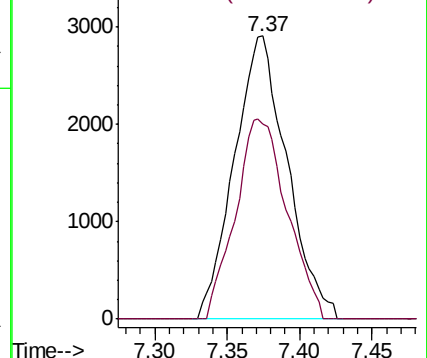
83 100

85 69.1 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056507.D

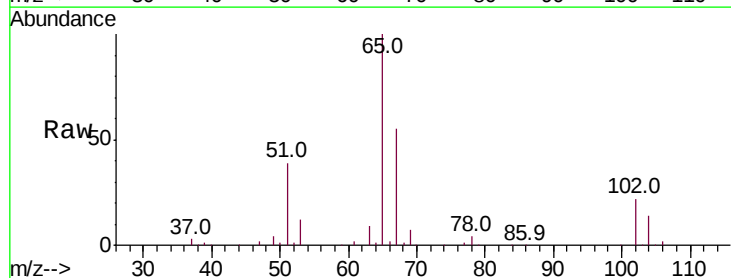
Acq: 26 Jun 2019 15:34

Tgt Ion: 65 Resp: 202041

Ion Ratio Lower Upper

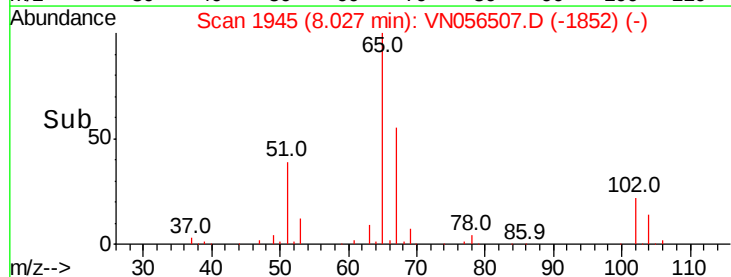
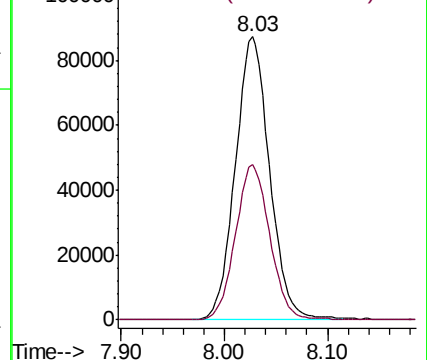
65 100

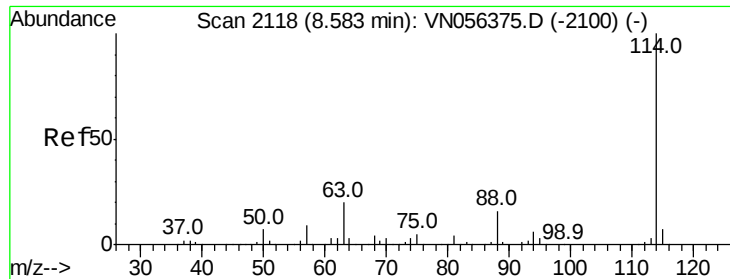
67 55.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

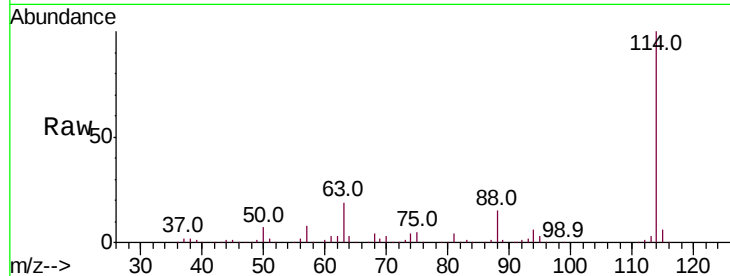




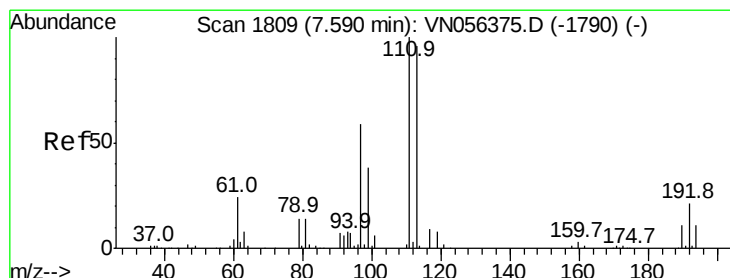
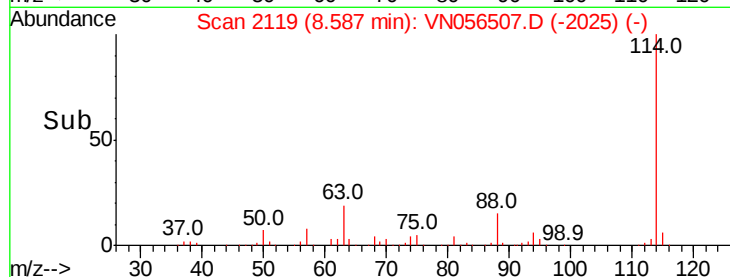
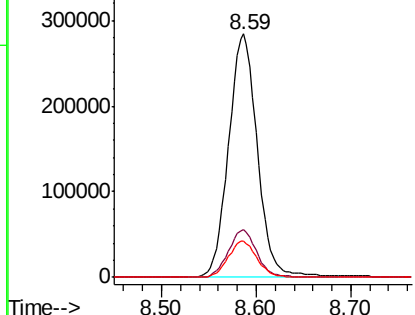
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-MW202D1-GW-20190625

Tot Ion:	114	Resp:	602003
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.2
88	14.9	0.0	31.4

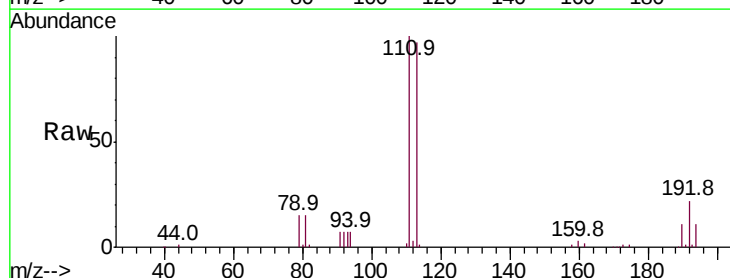


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

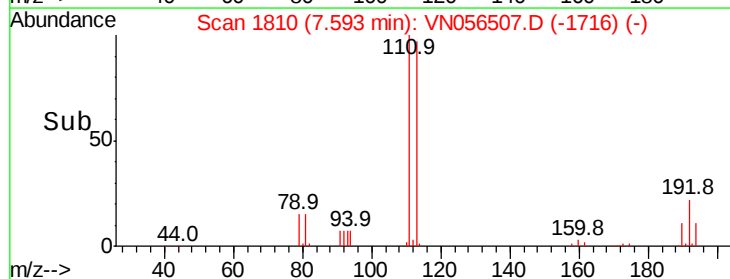
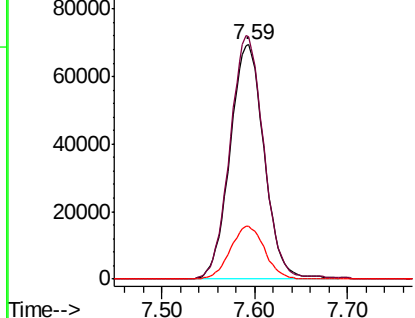


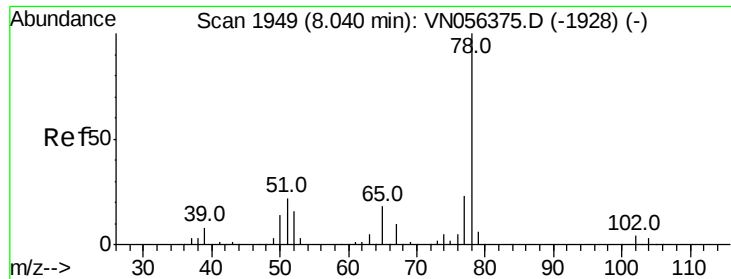
#35
 Dibromofluoromethane
 Concen: 47.270 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Tgt Ion:	113	Resp:	177522
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	22.7	17.7	26.5



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





#40

Benzene

Concen: 0.861 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

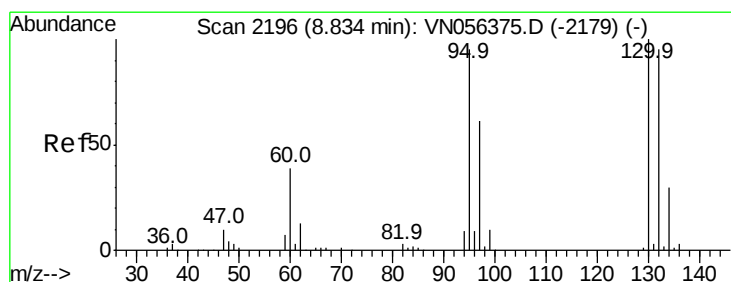
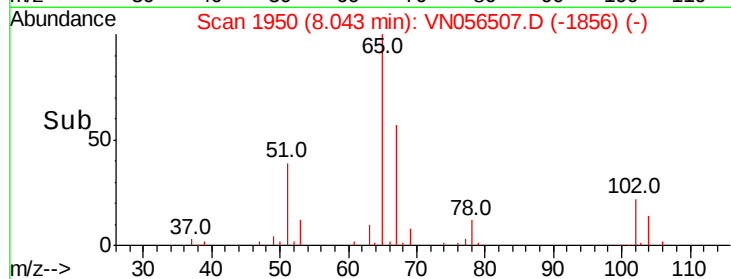
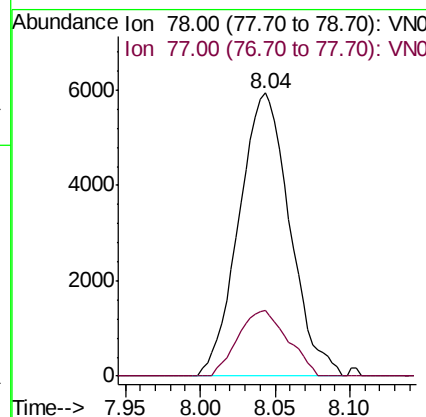
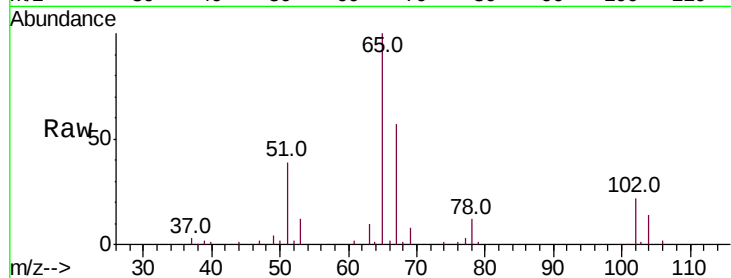
BP-TT-MW202D1-GW-20190625

Tot Ion: 78 Resp: 14030

Ion Ratio Lower Upper

78 100

77 23.2 18.3 27.5



#44

Trichloroethene

Concen: 11.140 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056507.D

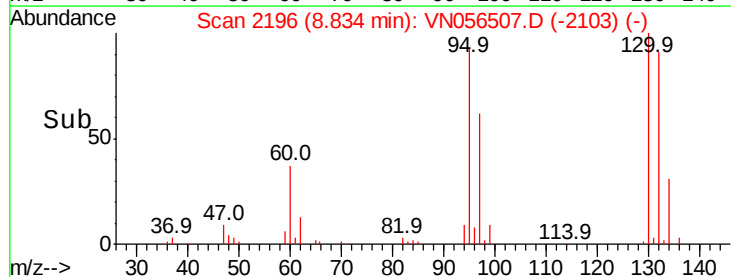
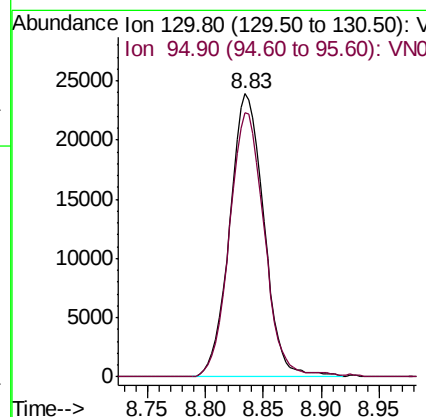
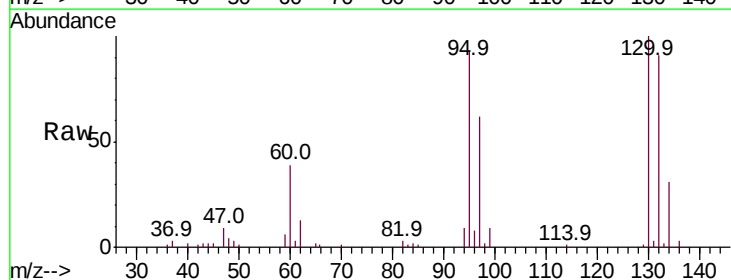
Acq: 26 Jun 2019 15:34

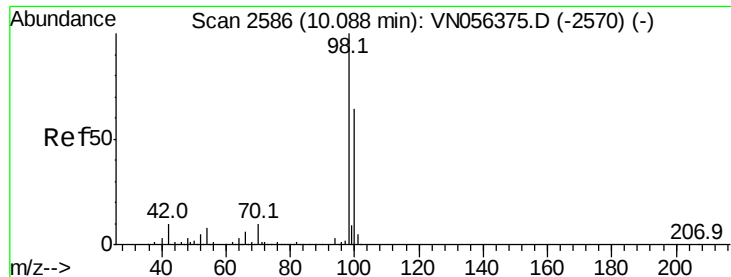
Tgt Ion:130 Resp: 48912

Ion Ratio Lower Upper

130 100

95 93.3 0.0 191.0





#50

Toluene-d8

Concen: 51.201 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

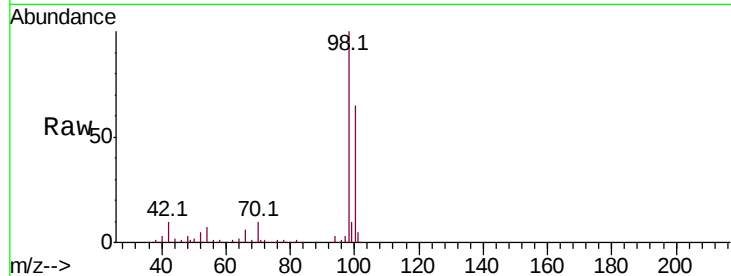
BP-TT-MW202D1-GW-20190625

Tot Ion: 98 Resp: 748192

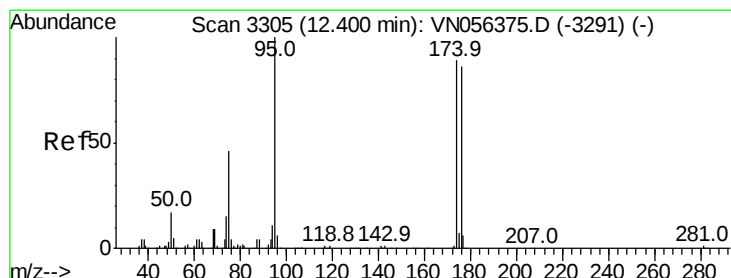
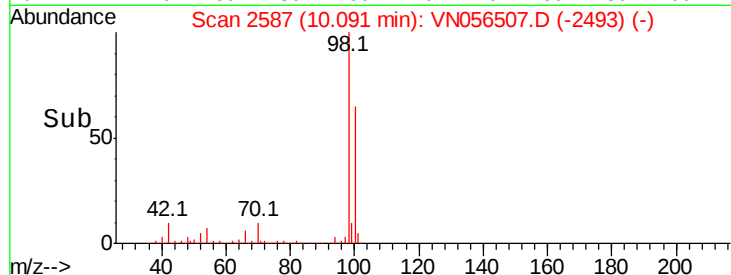
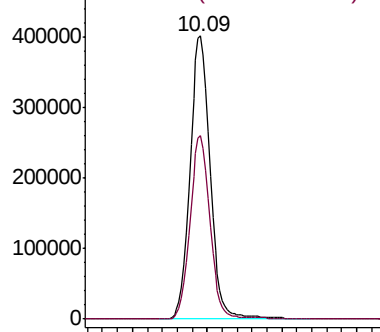
Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 48.642 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

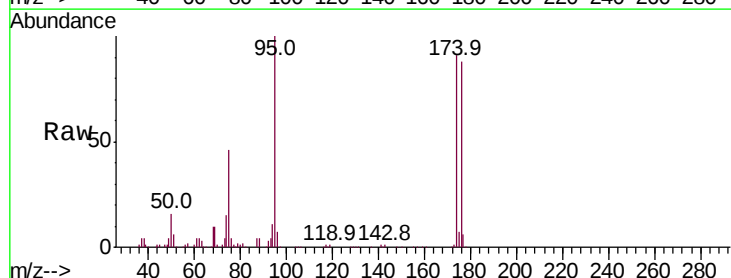
Tgt Ion: 95 Resp: 236952

Ion Ratio Lower Upper

95 100

174 91.6 0.0 179.4

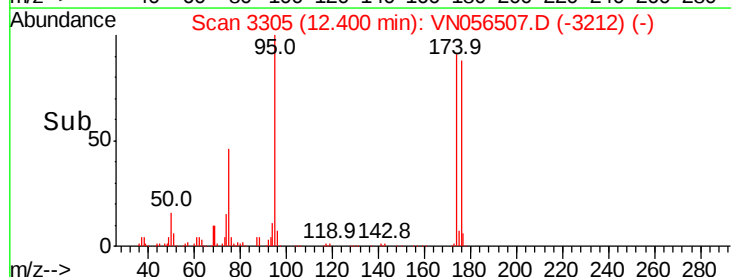
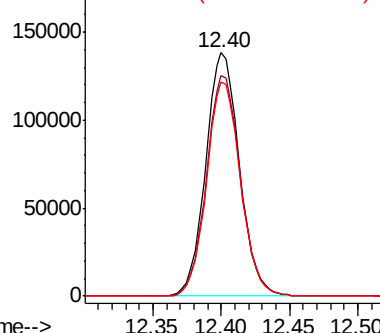
176 88.5 0.0 173.4

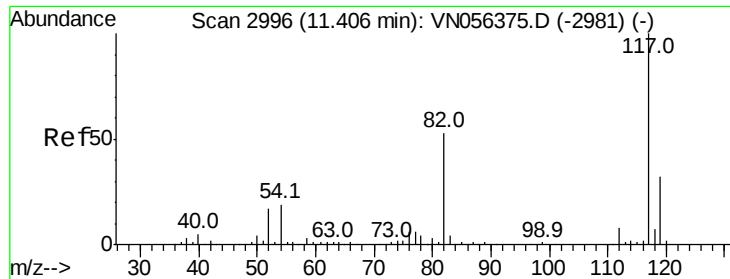


Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)

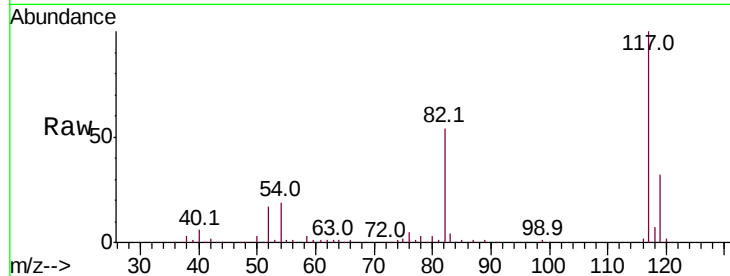




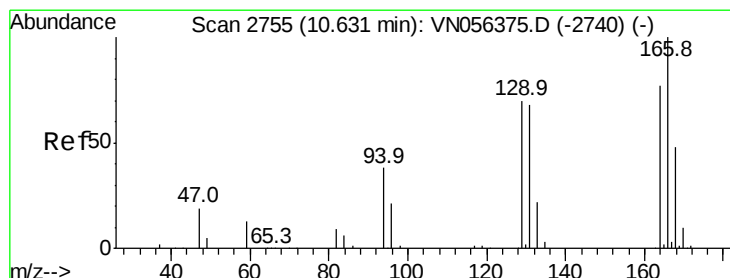
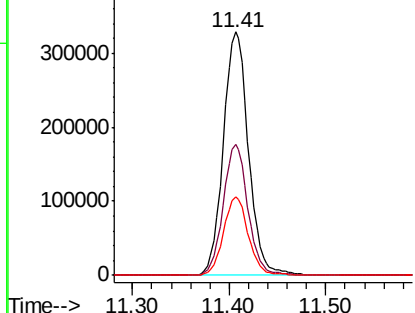
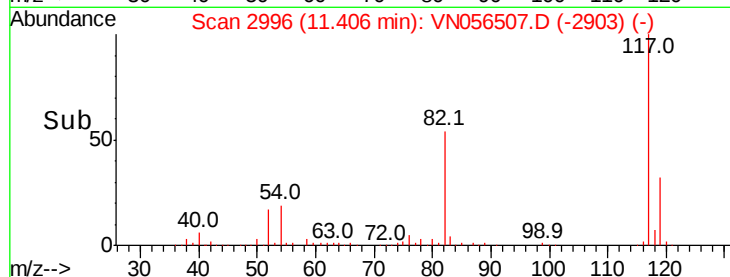
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-MW202D1-GW-20190625

Tot Ion:117 Resp: 592499
Ion Ratio Lower Upper
117 100
82 54.0 42.0 63.0
119 32.2 25.3 37.9

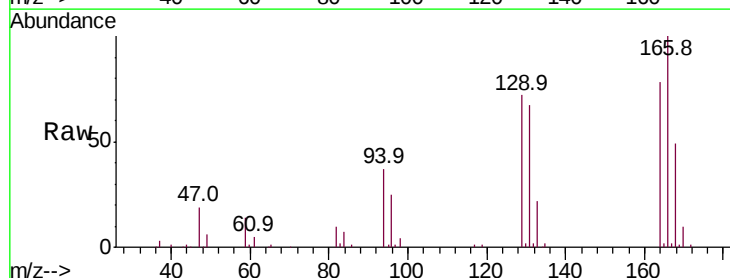


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

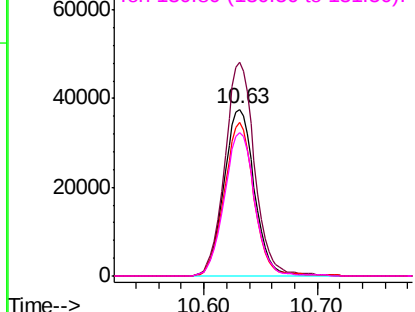
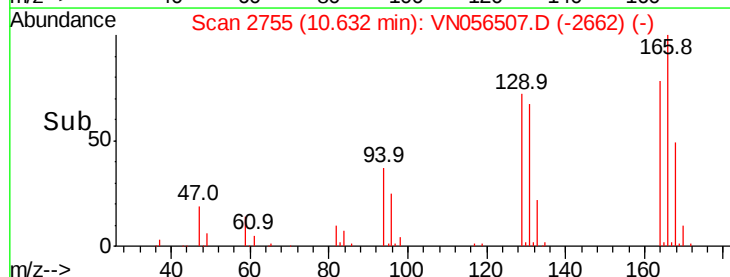


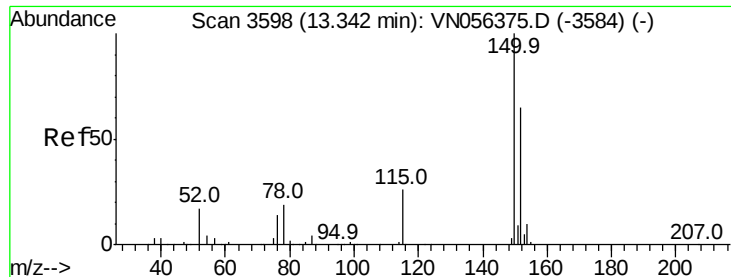
#64
Tetrachloroethene
Concen: 15.022 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

Tgt Ion:164 Resp: 70485
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.0
129 92.1 72.0 108.0
131 86.2 70.2 105.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-MW202D1-GW-20190625

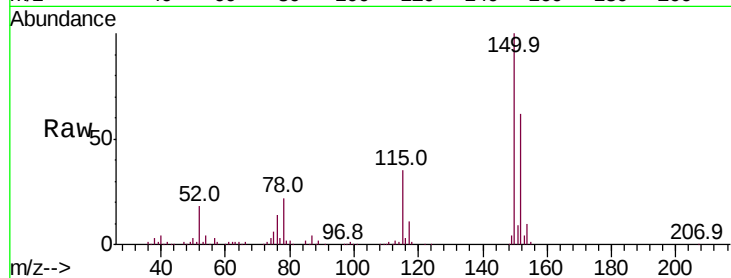
Tot Ion:152 Resp: 170165

Ion Ratio Lower Upper

152 100

115 54.6 28.1 84.4

150 157.2 0.0 348.4



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

