

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054739.D
 Acq On : 28 Mar 2019 12:54
 Operator : JC/SP
 Sample : K2107-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Mar 29 06:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

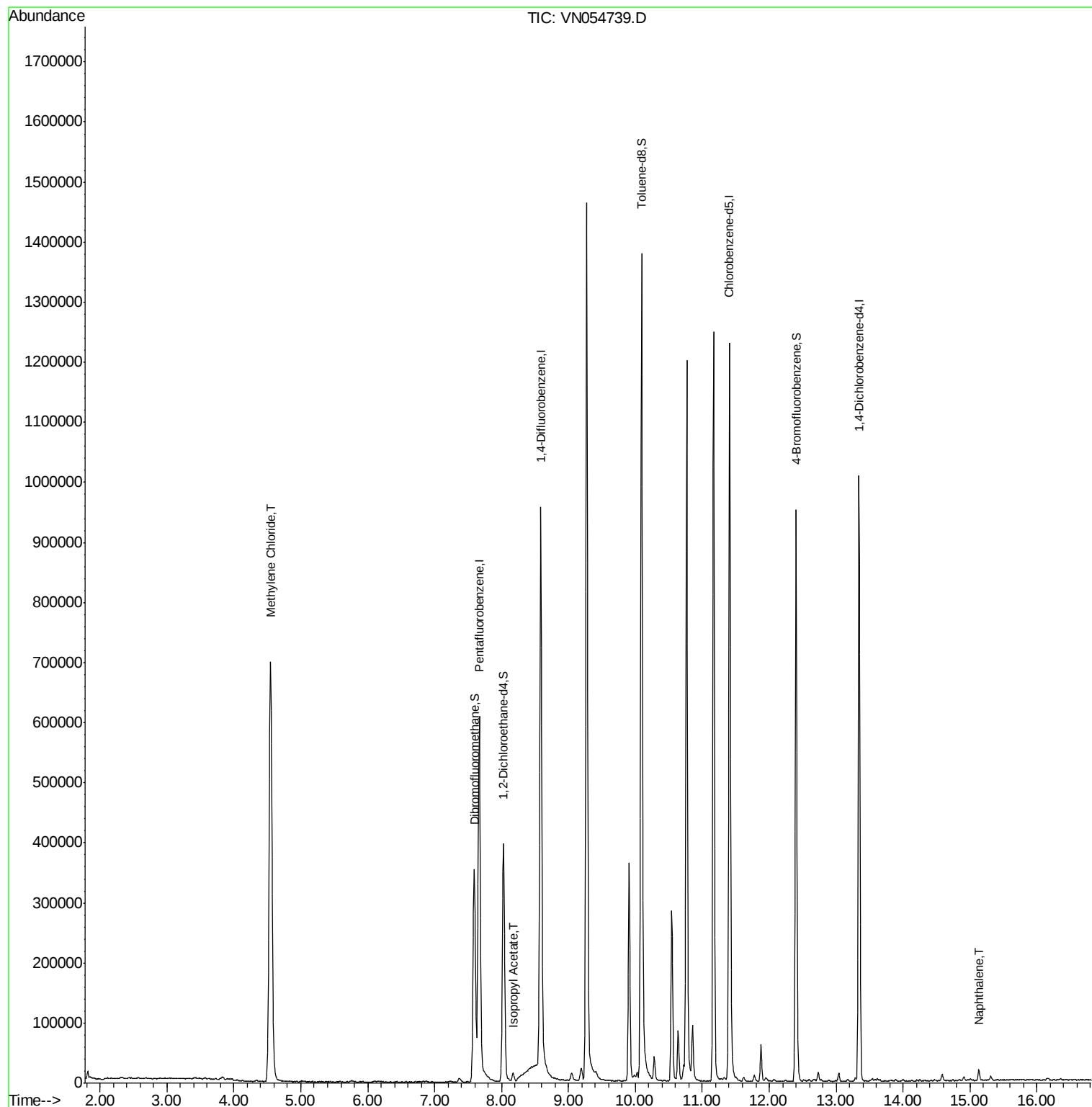
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	529159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	266610	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	343886	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
35) Dibromofluoromethane	7.59	113	270969	49.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.48%	
50) Toluene-d8	10.09	98	1034146	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	320135	45.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.96%	
Target Compounds						
20) Methylene Chloride	4.55	84	489215	83.867	ug/l #	83
43) Isopropyl Acetate	8.17	43	16926	1.764	ug/l #	93
95) Naphthalene	15.13	128	14394	1.514	ug/l #	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

Instrument :

MSVOA_N

ClientSampled :

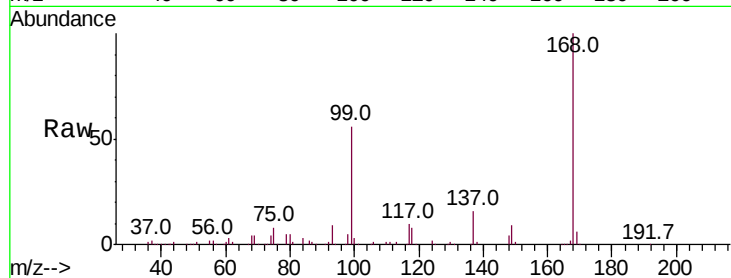
TP-9

Tot Ion:168 Resp: 529159

Ion Ratio Lower Upper

168 100

99 55.7 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

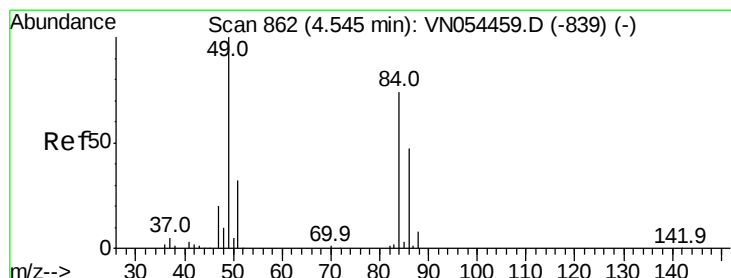
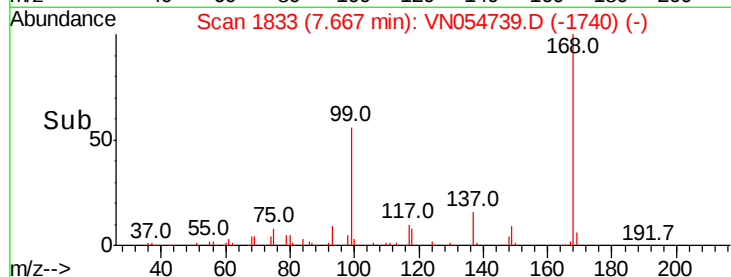
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 83.867 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

Tgt Ion: 84 Resp: 489215

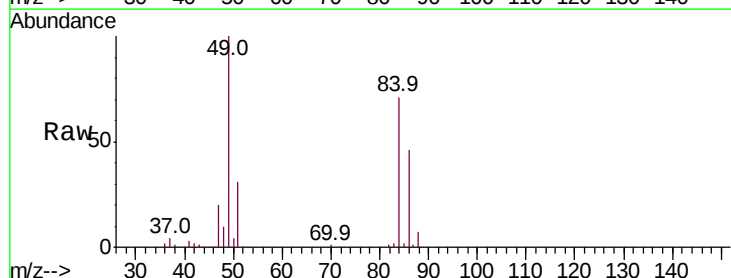
Ion Ratio Lower Upper

84 100

49 141.0 89.7 134.5#

51 43.5 28.2 42.4#

86 65.4 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

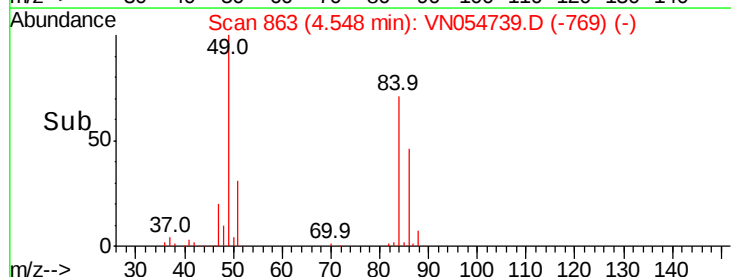
300000

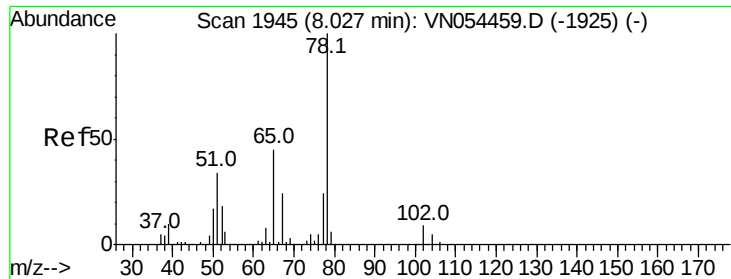
200000

100000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.247 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

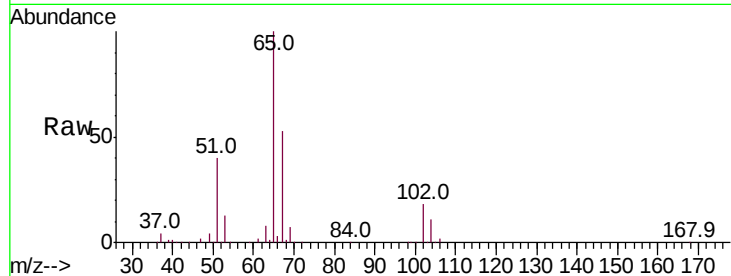
TP-9

Tot Ion: 65 Resp: 343886

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

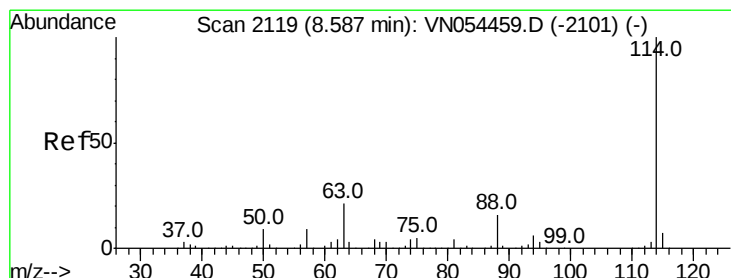
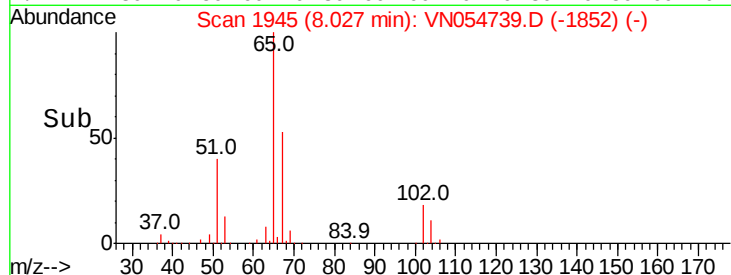
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

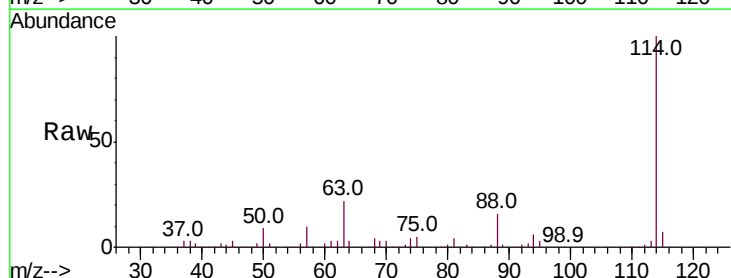
Tgt Ion: 114 Resp: 854173

Ion Ratio Lower Upper

114 100

63 21.8 0.0 35.2

88 15.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VNO

Ion 87.90 (87.60 to 88.60): VNO

500000

400000

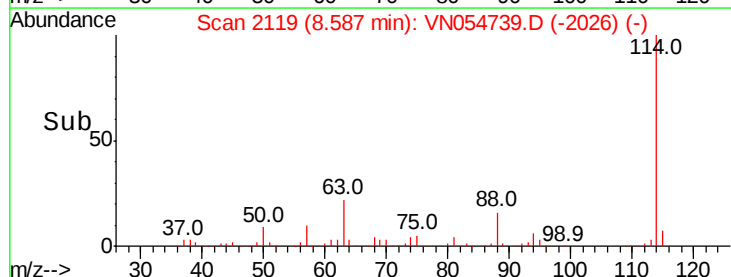
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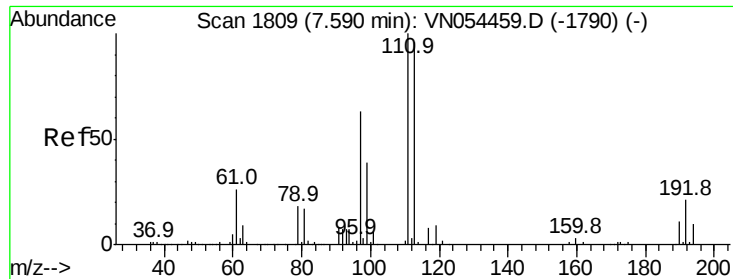
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.240 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

Instrument :

MSVOA_N

ClientSampled :

TP-9

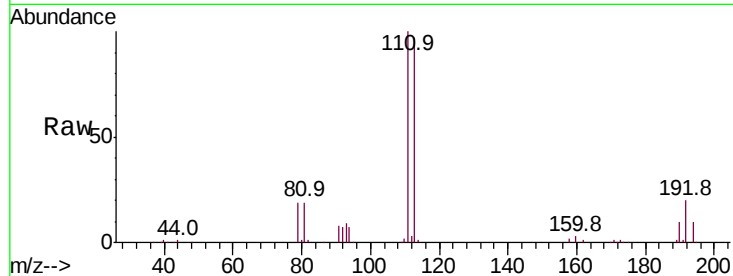
Tot Ion:113 Resp: 270969

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

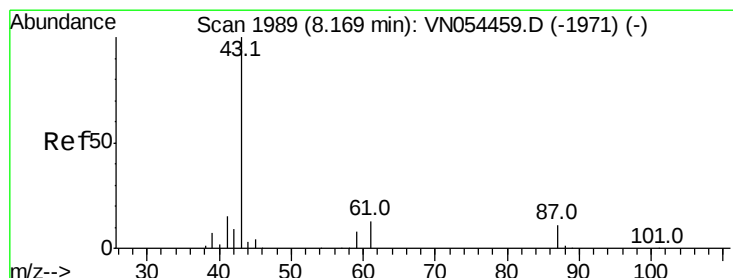
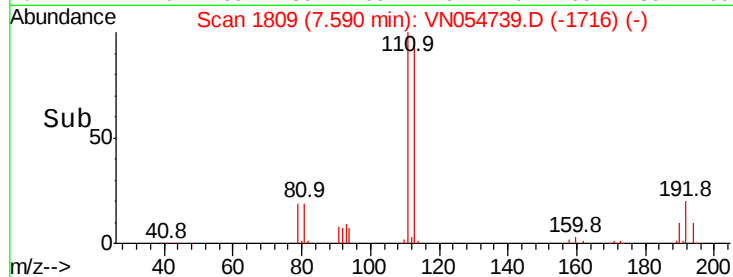
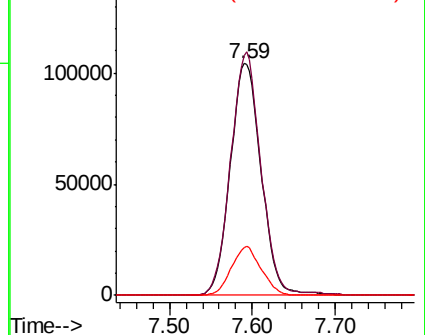
192 20.3 19.2 28.8



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



#43

Isopropyl Acetate

Concen: 1.764 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

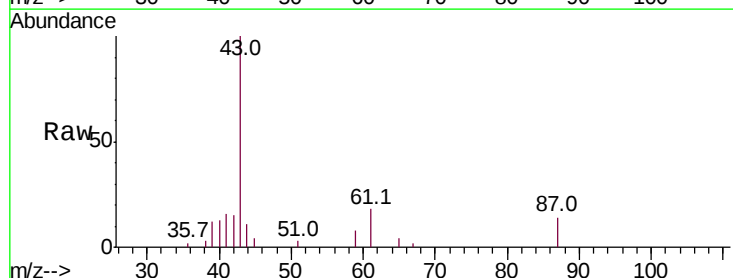
Tgt Ion: 43 Resp: 16926

Ion Ratio Lower Upper

43 100

61 17.2 15.8 23.8

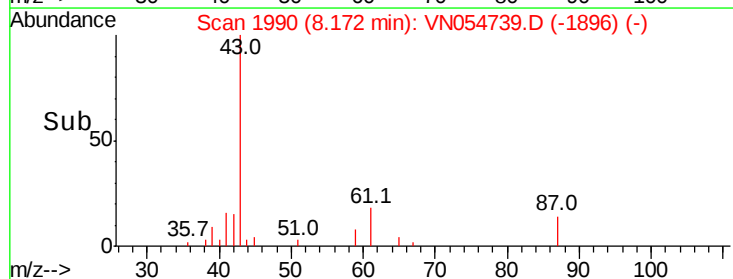
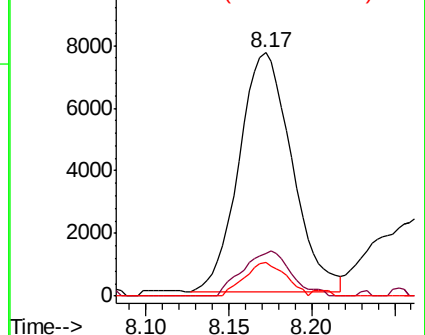
87 10.9 12.0 18.0#

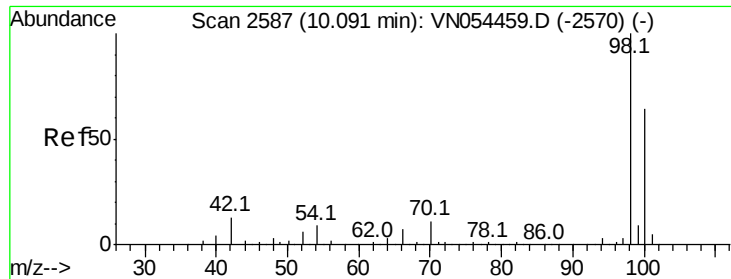


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.988 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

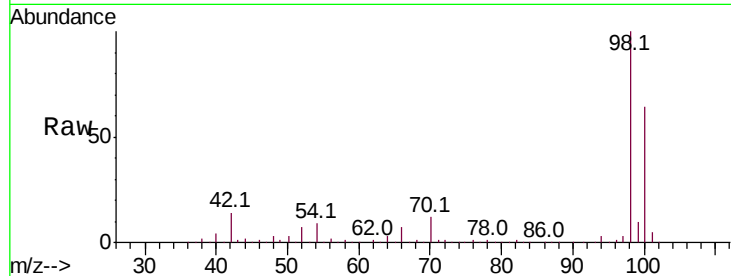
TP-9

Tot Ion: 98 Resp: 1034146

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

500000

400000

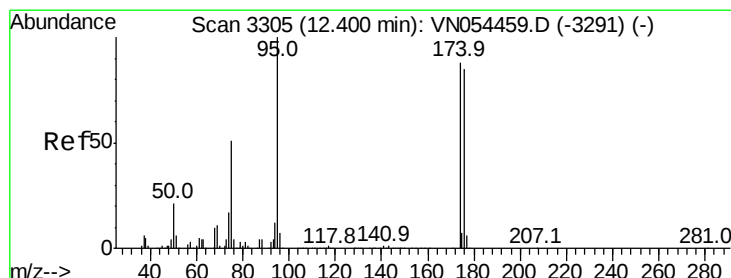
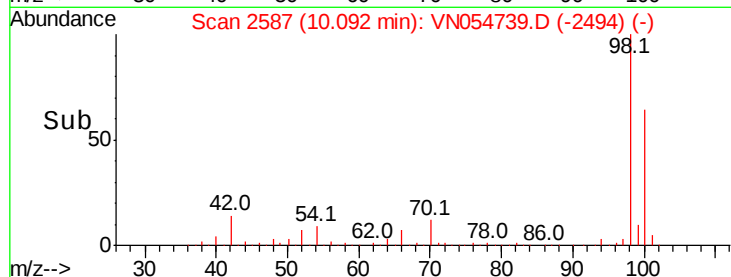
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.475 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

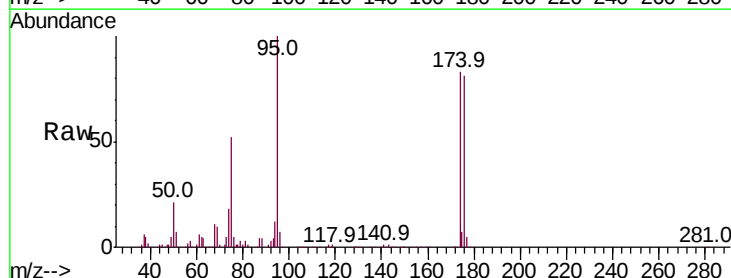
Tgt Ion: 95 Resp: 320135

Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

176 82.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)

12.40

250000

200000

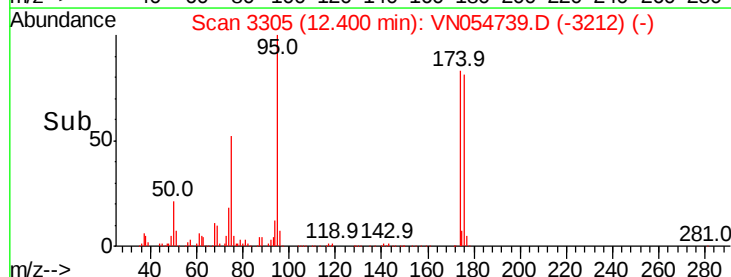
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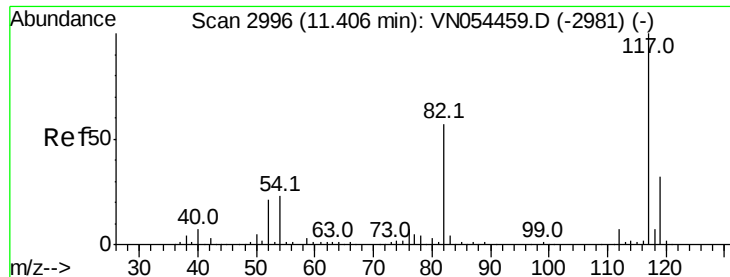
100000

50000

0

Time-->

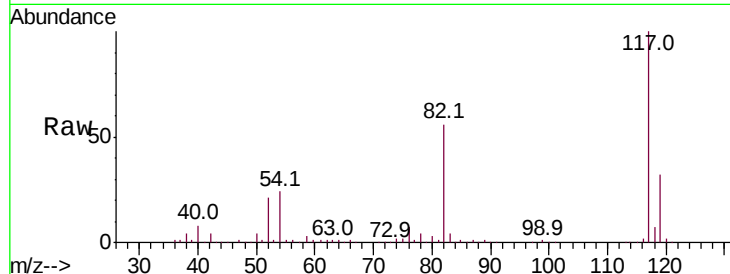




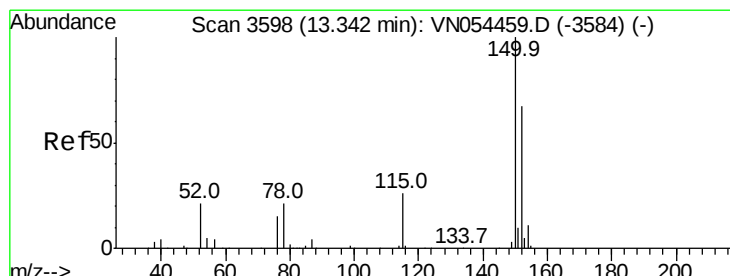
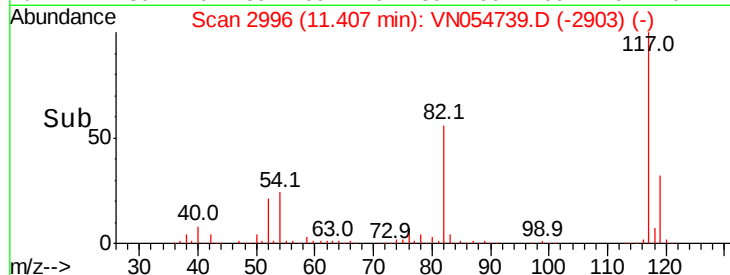
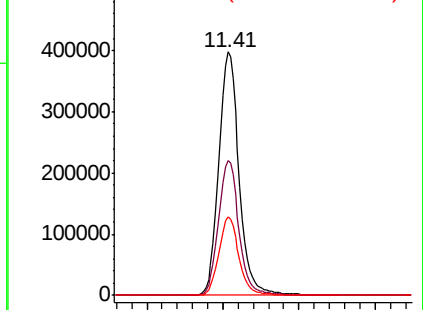
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054739.D
Acq: 28 Mar 2019 12:54

Instrument :
MSVOA_N
ClientSampled :
TP-9

Tot Ion:117 Resp: 735645
Ion Ratio Lower Upper
117 100
82 55.6 40.0 60.0
119 32.3 25.8 38.6

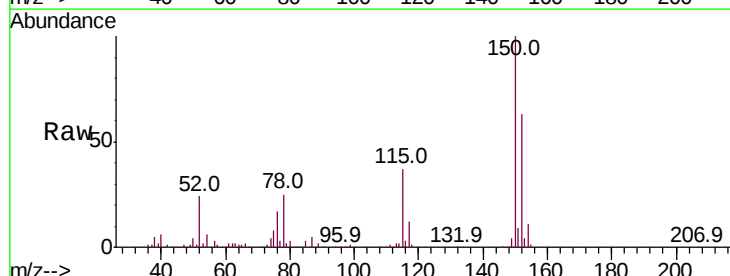


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

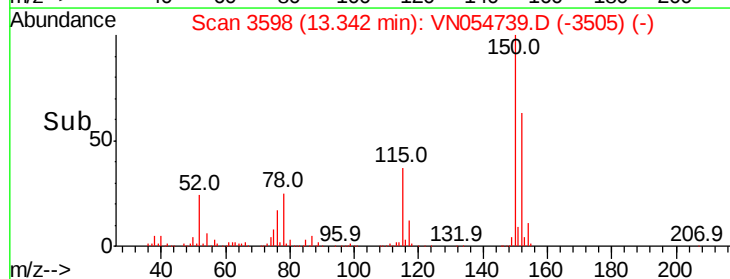
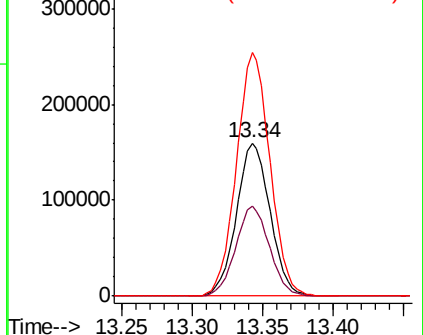


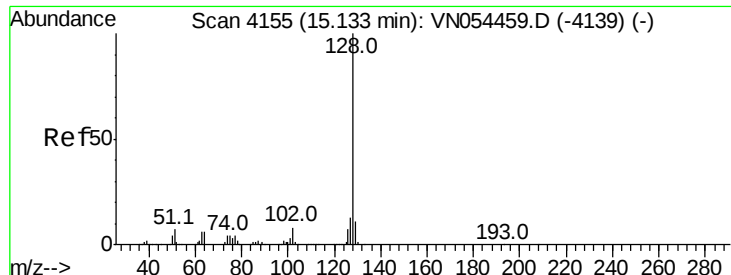
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054739.D
Acq: 28 Mar 2019 12:54

Tgt Ion:152 Resp: 266610
Ion Ratio Lower Upper
152 100
115 58.9 27.2 81.6
150 159.0 0.0 349.2



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: 1.514 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054739.D

Acq: 28 Mar 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

TP-9

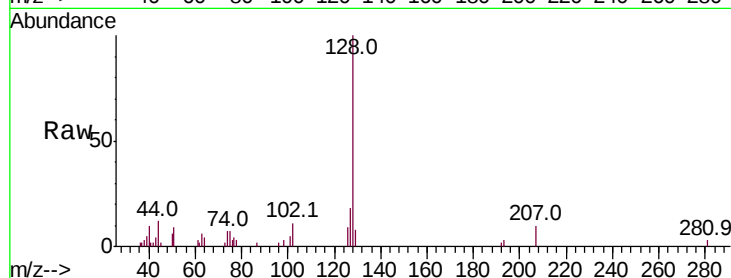
Tot Ion:128 Resp: 14394

Ion Ratio Lower Upper

128 100

127 15.4 10.1 15.1#

129 9.3 8.7 13.1



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

