

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054749.D
 Acq On : 28 Mar 2019 17:17
 Operator : JC/SP
 Sample : K2107-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Mar 29 07:30:33 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

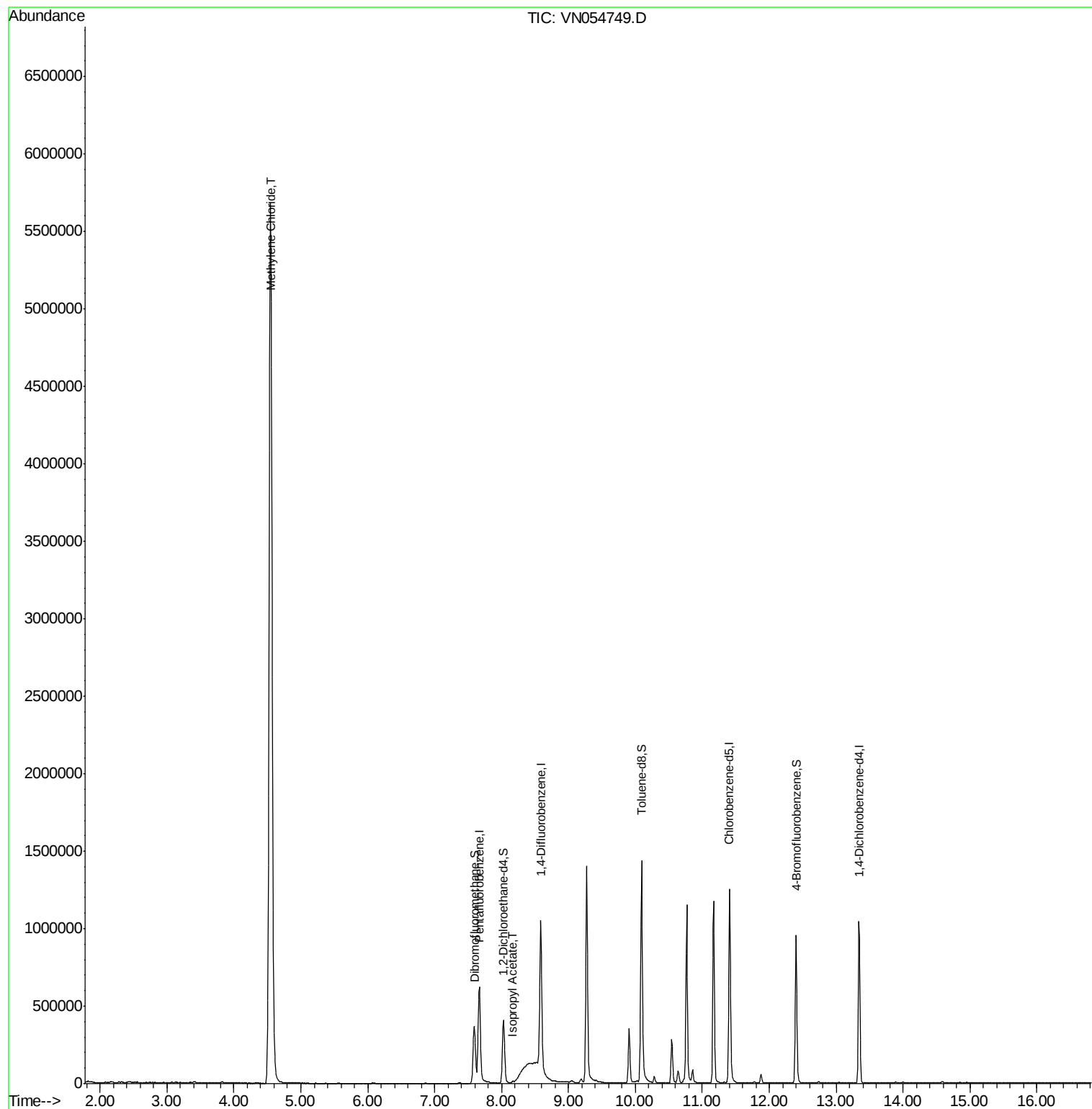
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	537224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	744765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	353595	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.59	113	278808	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	1052280	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	334850	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
Target Compounds						
20) Methylene Chloride	4.55	84	3995967	674.748	ug/l #	81
43) Isopropyl Acetate	8.17	43	16522	1.669	ug/l #	91

(#) = 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: VN054749.D

Acq: 28 Mar 2019 17:17

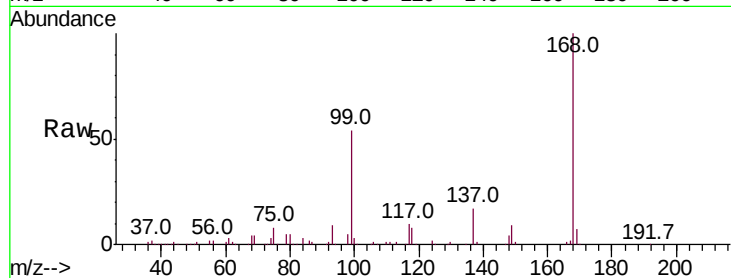
Instrument :
MSVOA_N
ClientSampleId :
TP-2

Tot Ion:168 Resp: 537224

Ion Ratio Lower Upper

168 100

99 53.7 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

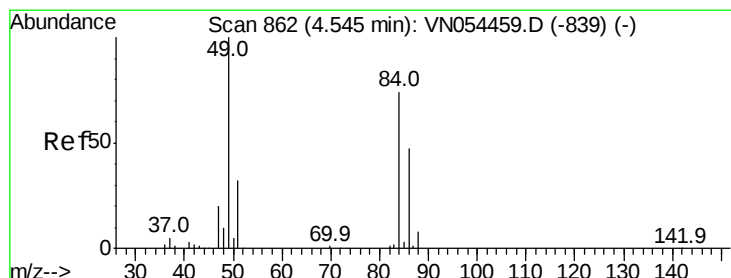
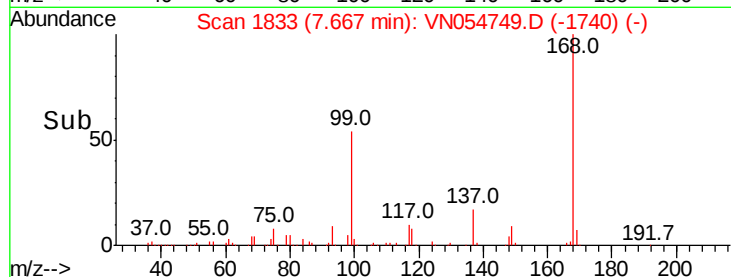
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 674.748 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054749.D

Acq: 28 Mar 2019 17:17

Tgt Ion: 84 Resp: 3995967

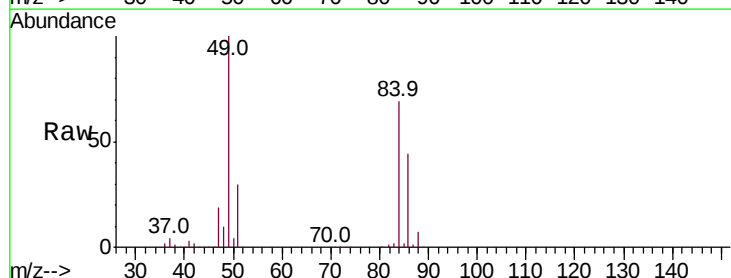
Ion Ratio Lower Upper

84 100

49 144.1 89.7 134.5#

51 43.8 28.2 42.4#

86 63.8 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

2500000

2000000

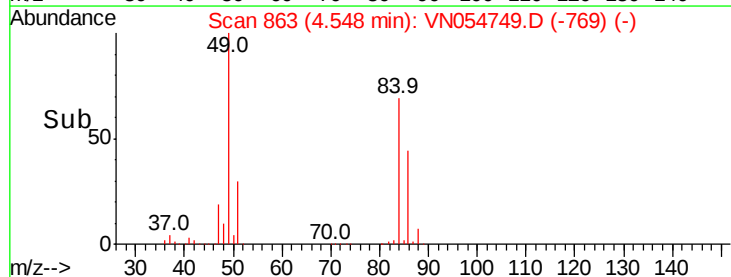
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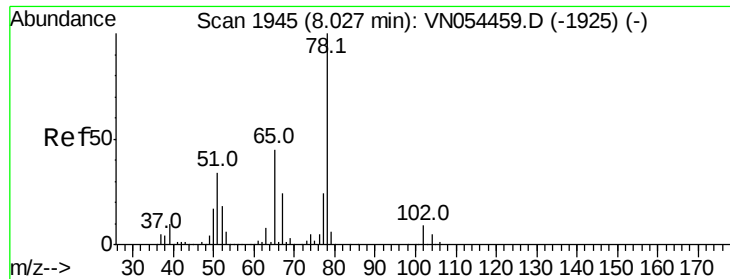
1000000

500000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.916 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054749.D

Acq: 28 Mar 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

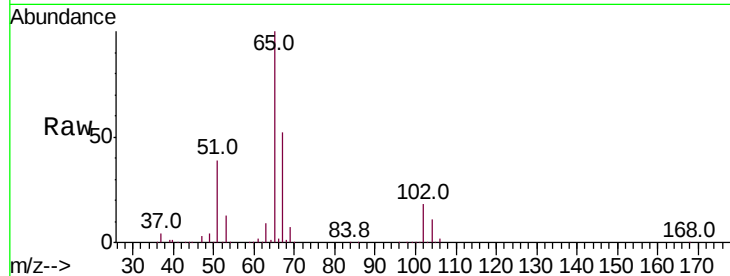
TP-2

Tot Ion: 65 Resp: 353595

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

150000

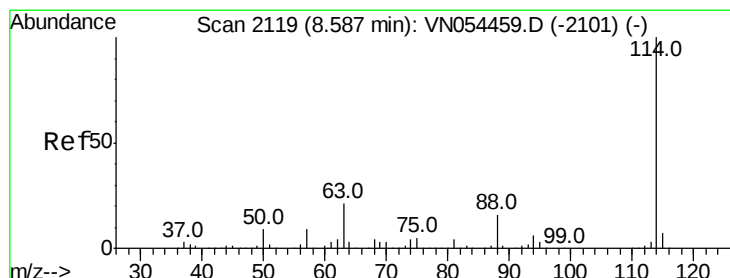
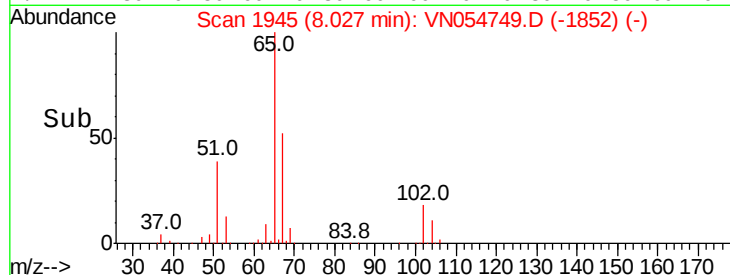
100000

50000

0

Time-->

7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054749.D

Acq: 28 Mar 2019 17:17

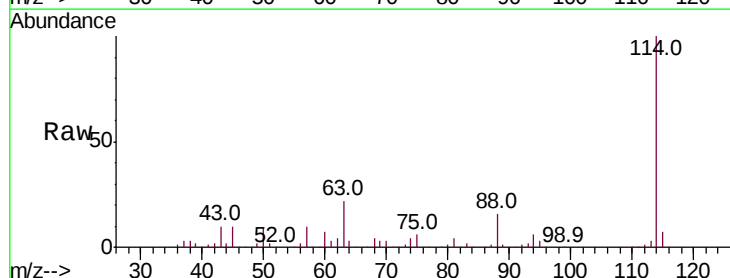
Tgt Ion:114 Resp: 881324

Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.2

88 16.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

500000

400000

300000

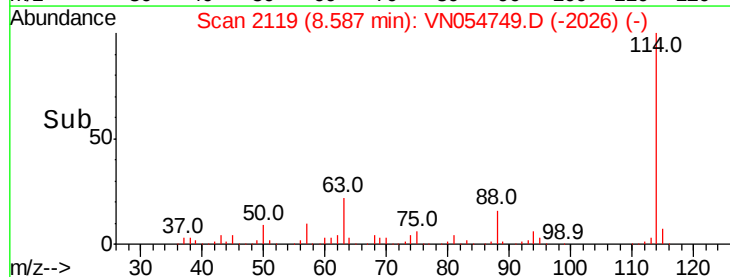
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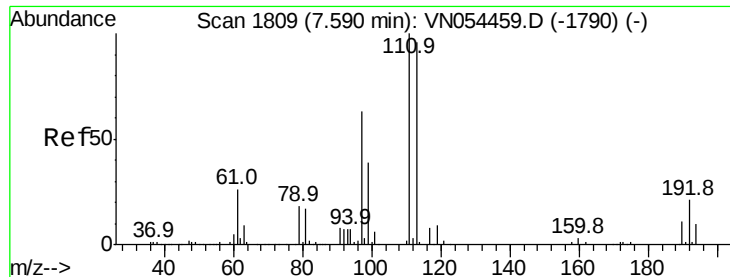
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0

Time-->

8.50 8.60 8.70 8.80

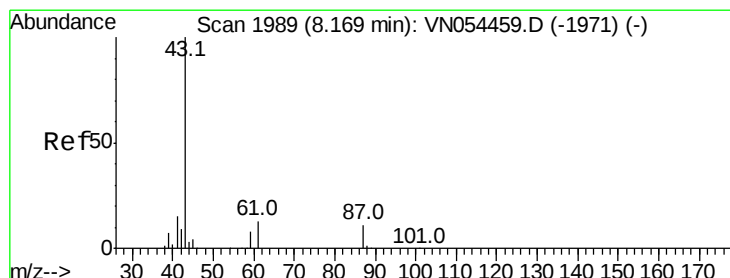
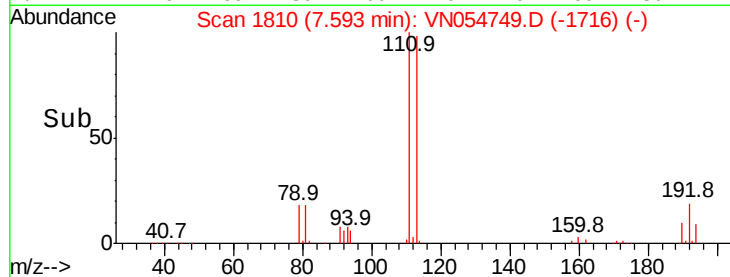
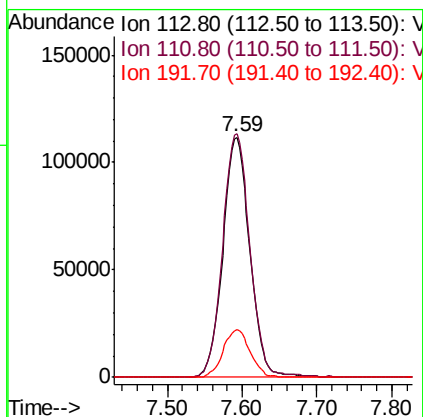
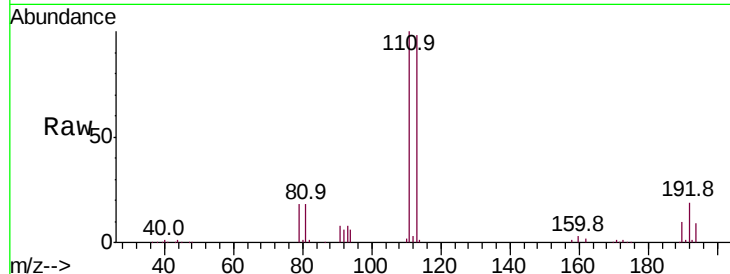




#35
 Dibromofluoromethane
 Concen: 49.104 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054749.D
 Acq: 28 Mar 2019 17:17

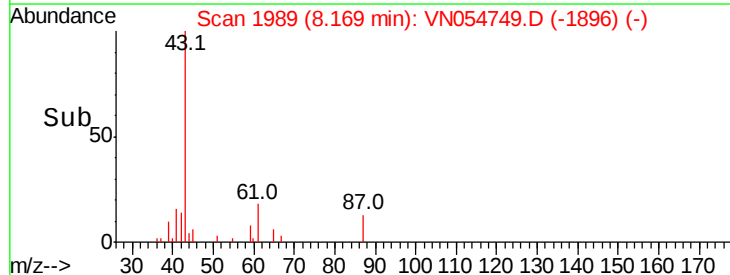
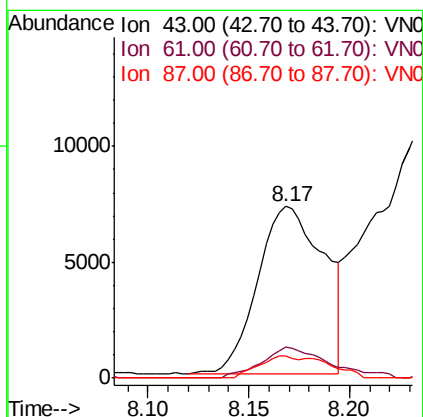
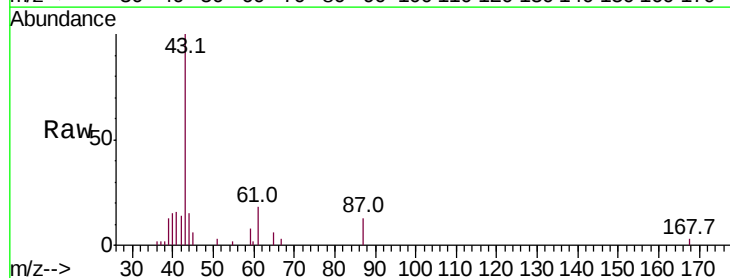
Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

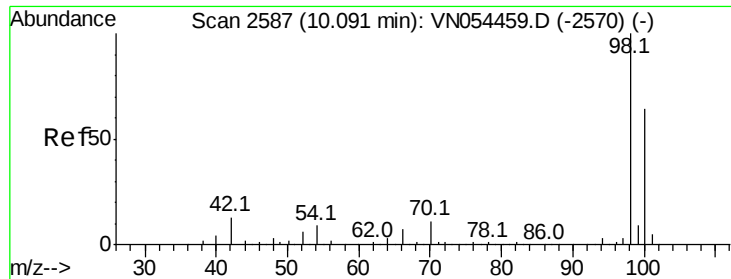
Tot Ion:113 Resp: 278808
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 19.9 19.2 28.8



#43
 Isopropyl Acetate
 Concen: 1.669 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN054749.D
 Acq: 28 Mar 2019 17:17

Tgt Ion: 43 Resp: 16522
 Ion Ratio Lower Upper
 43 100
 61 18.9 15.8 23.8
 87 7.9 12.0 18.0#

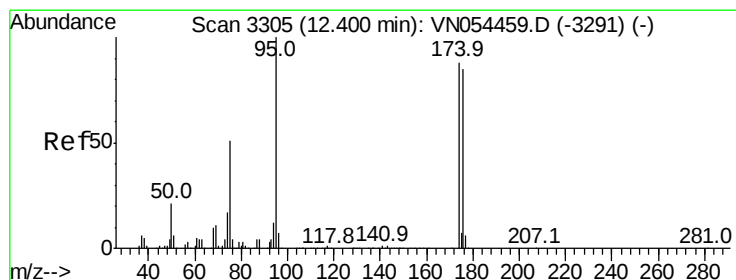
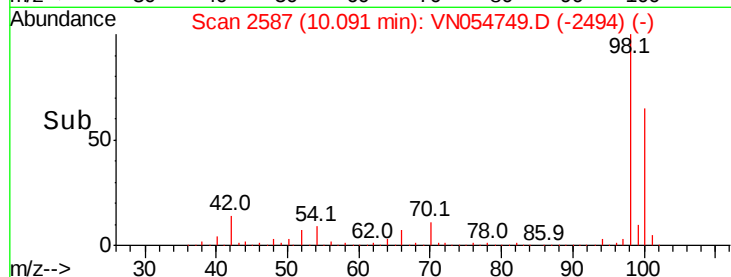
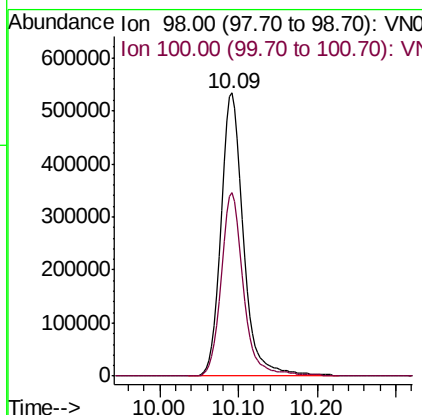
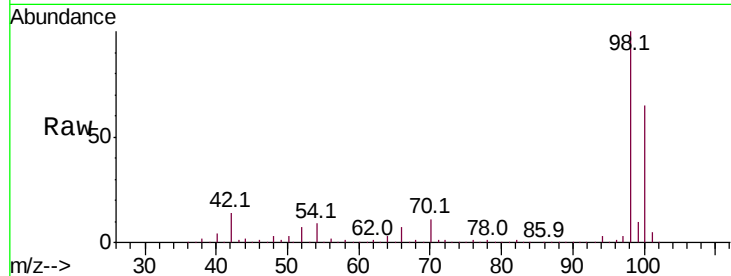




#50
Toluene-d8
Concen: 49.298 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054749.D
Acq: 28 Mar 2019 17:17

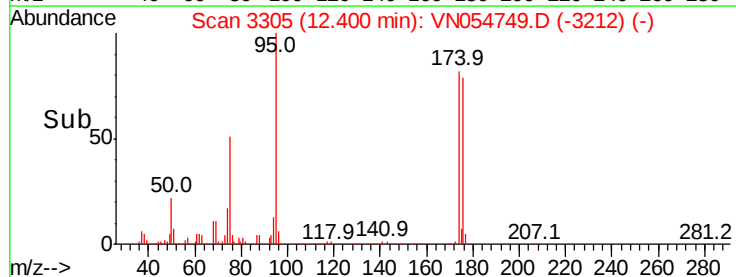
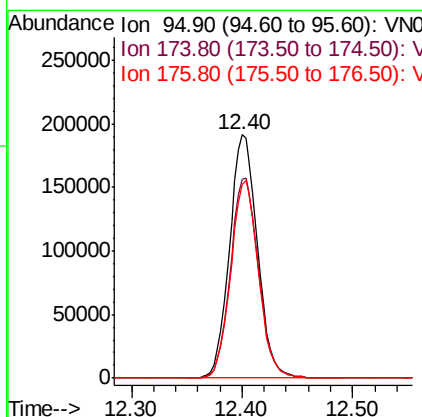
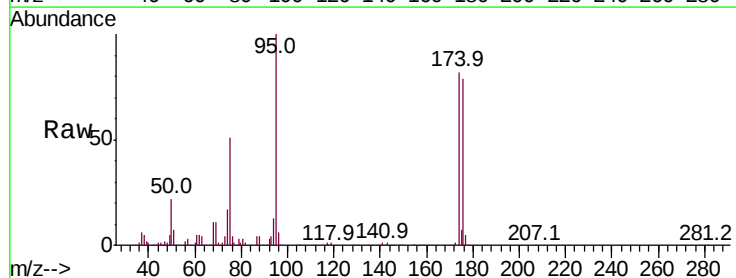
Instrument :
MSVOA_N
ClientSampled :
TP-2

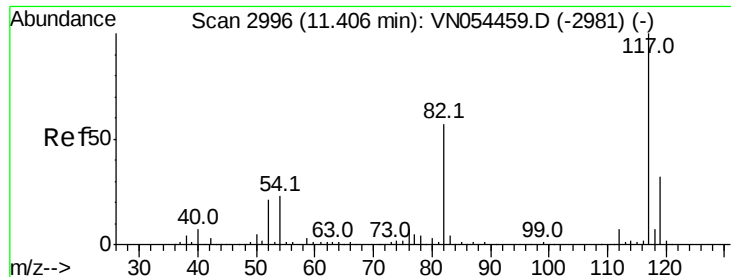
Tot Ion: 98 Resp: 1052280
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 46.100 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054749.D
Acq: 28 Mar 2019 17:17

Tgt Ion: 95 Resp: 334850
Ion Ratio Lower Upper
95 100
174 83.1 0.0 191.0
176 80.4 0.0 187.4

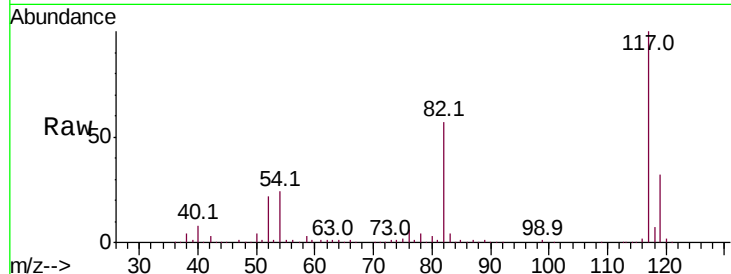




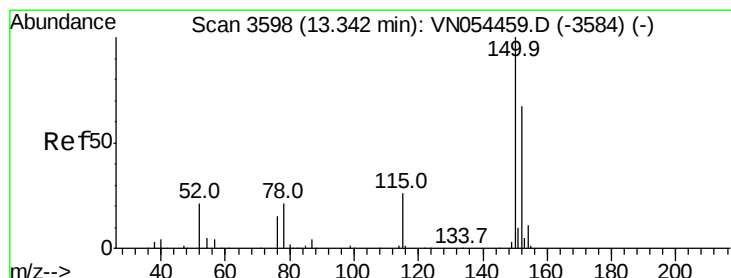
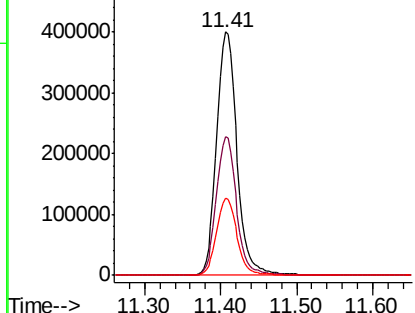
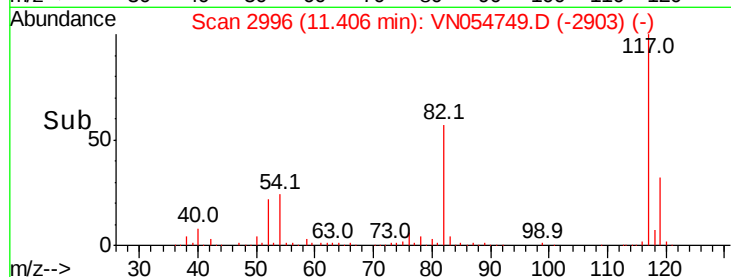
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054749.D
Acq: 28 Mar 2019 17:17

Instrument :
MSVOA_N
ClientSampled :
TP-2

Tot Ion:117 Resp: 744765
Ion Ratio Lower Upper
117 100
82 57.0 40.0 60.0
119 31.6 25.8 38.6

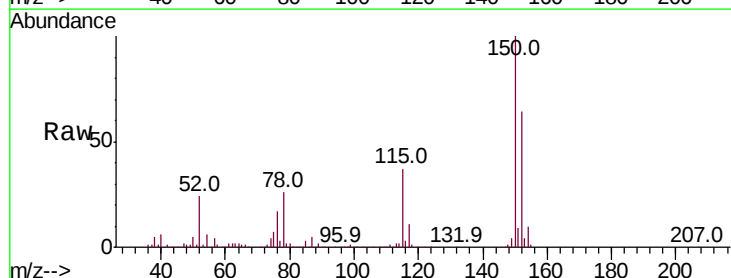


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054749.D
Acq: 28 Mar 2019 17:17

Tgt Ion:152 Resp: 274602
Ion Ratio Lower Upper
152 100
115 58.8 27.2 81.6
150 157.5 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

