

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054744.D
 Acq On : 28 Mar 2019 15:06
 Operator : JC/SP
 Sample : K2107-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Mar 29 07:05:34 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

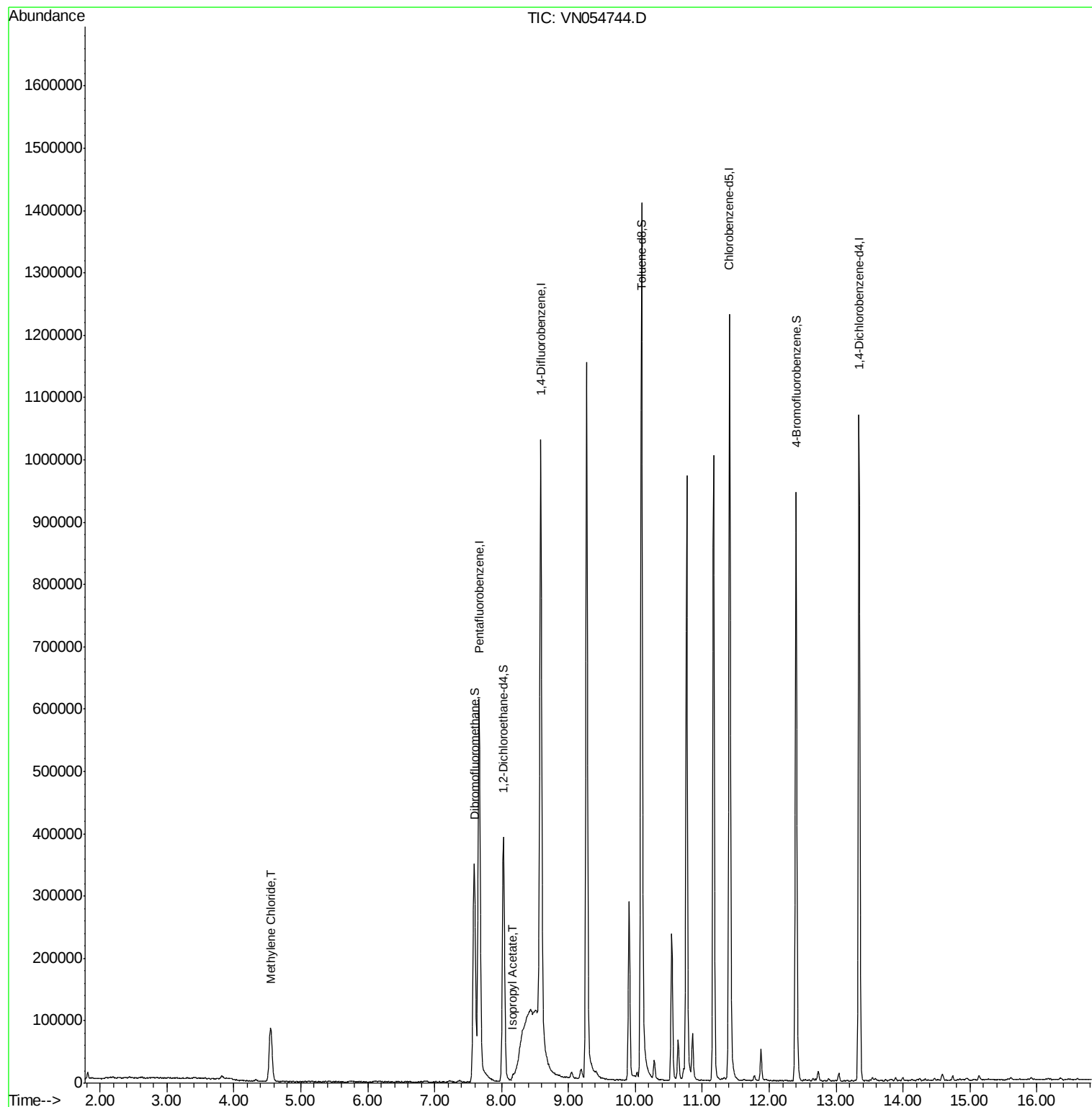
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	518810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	739609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279203	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	336147	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.59	113	265274	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.09	98	1039169	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	327130	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
Target Compounds						
20) Methylene Chloride	4.55	84	60937	10.655	ug/l #	80
43) Isopropyl Acetate	8.17	43	11353	1.173	ug/l	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054744.D

Acq: 28 Mar 2019 15:06

Instrument :

MSVOA_N

ClientSampled :

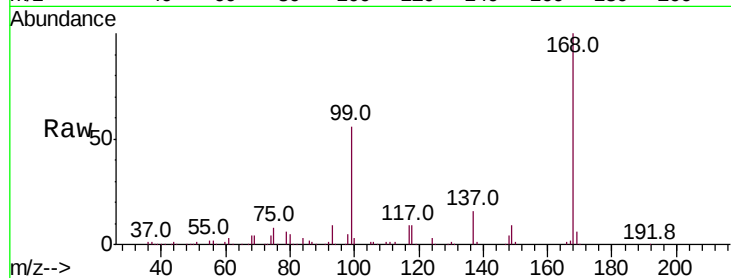
TP-4

Tot Ion:168 Resp: 518810

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

7.66

250000

200000

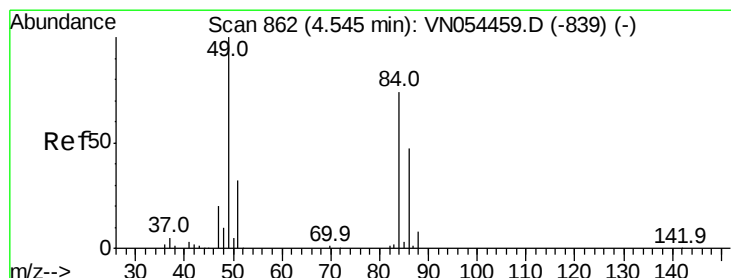
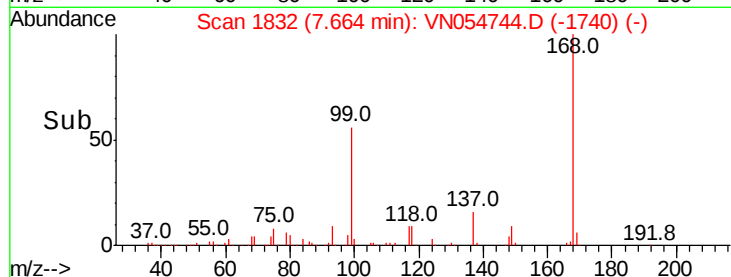
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 10.655 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN054744.D

Acq: 28 Mar 2019 15:06

Tgt Ion: 84 Resp: 60937

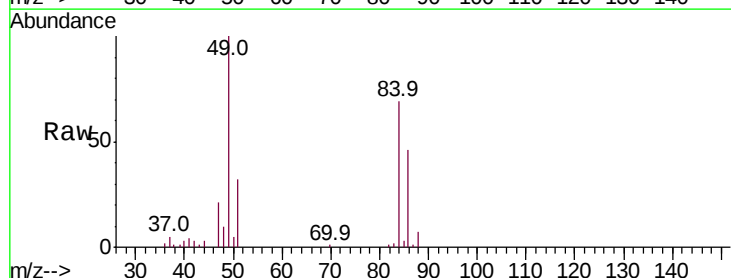
Ion Ratio Lower Upper

84 100

49 144.7 89.7 134.5#

51 46.2 28.2 42.4#

86 66.3 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

40000

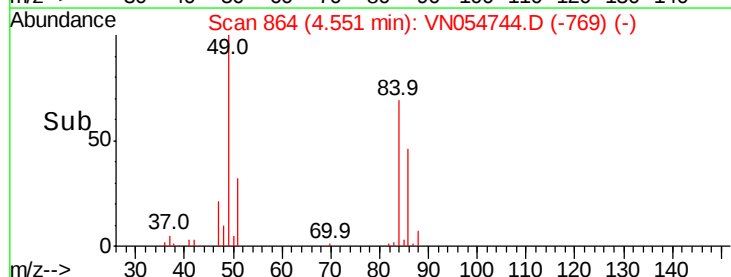
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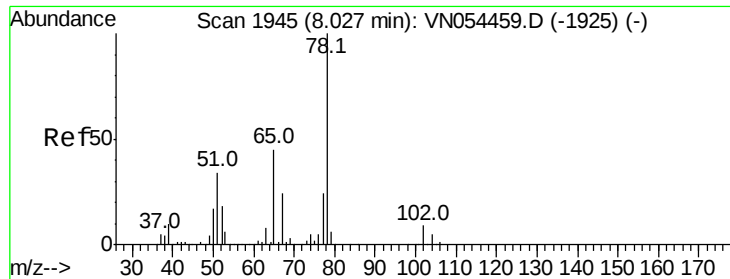
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Time-->

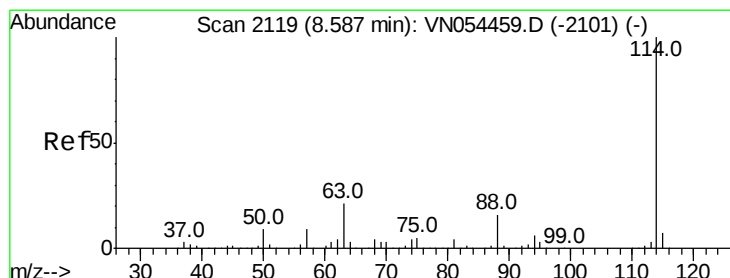
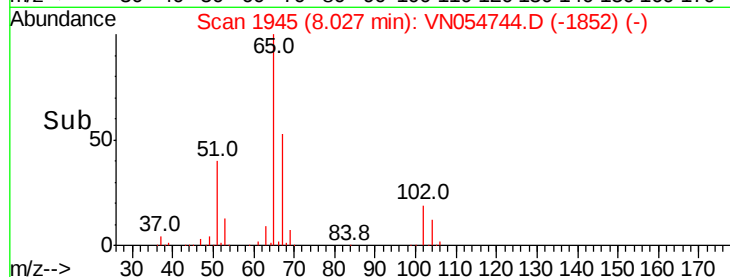
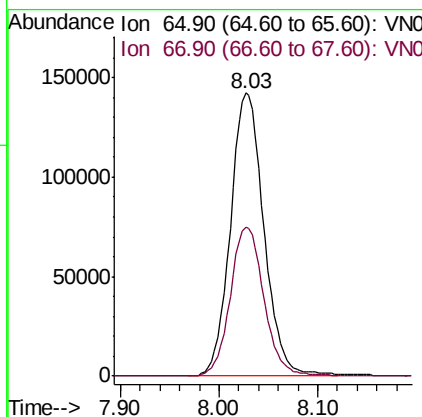
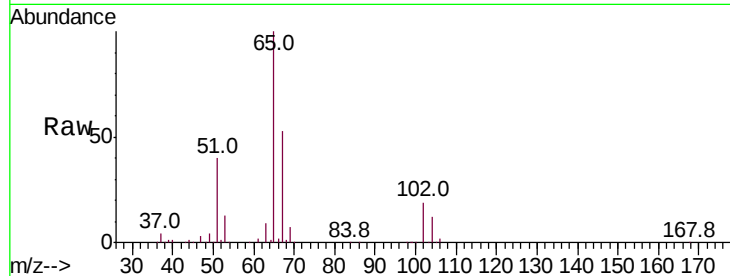




#33
 1,2-Dichloroethane-d4
 Concen: 52.090 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054744.D
 Acq: 28 Mar 2019 15:06

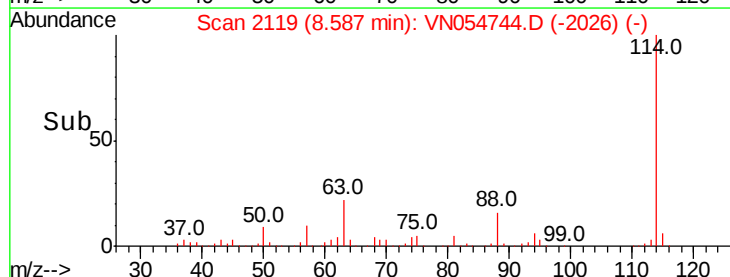
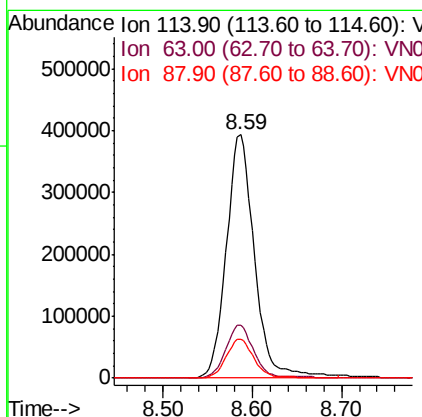
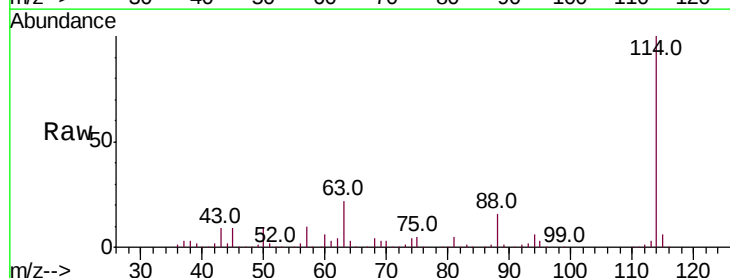
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

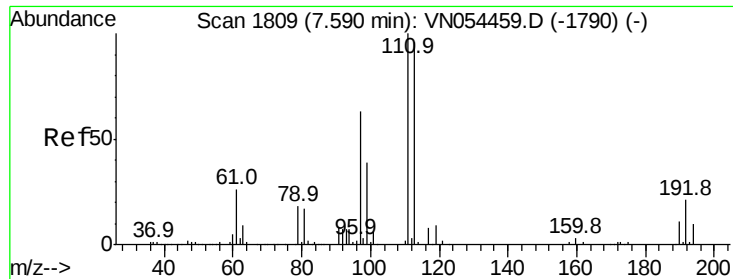
Tot Ion: 65 Resp: 336147
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054744.D
 Acq: 28 Mar 2019 15:06

Tgt Ion: 114 Resp: 861635
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 35.2
 88 16.0 0.0 30.2

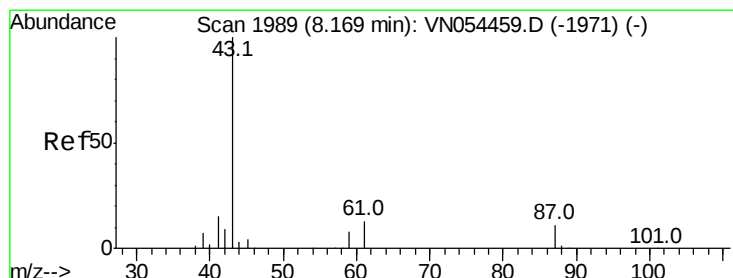
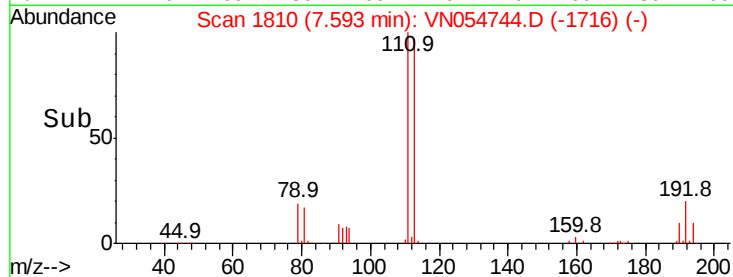
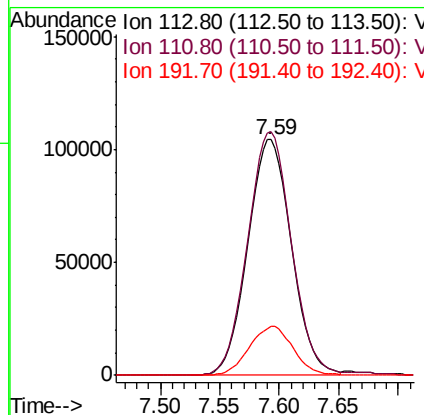
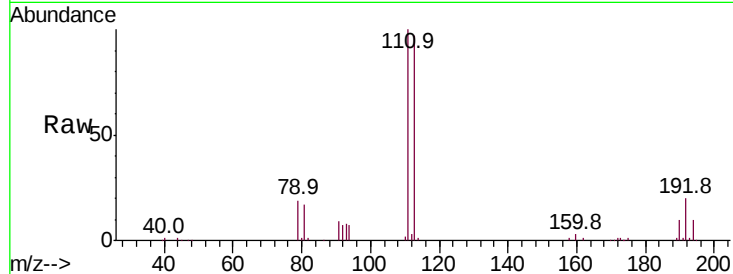




#35
 Dibromofluoromethane
 Concen: 47.788 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054744.D
 Acq: 28 Mar 2019 15:06

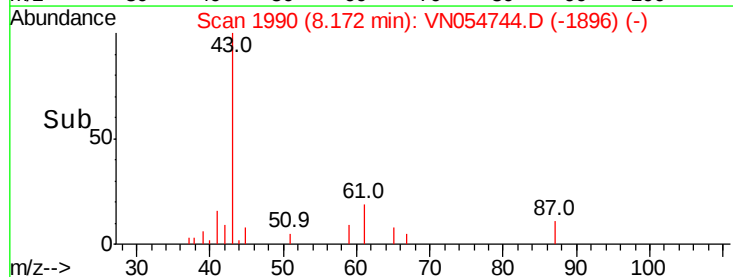
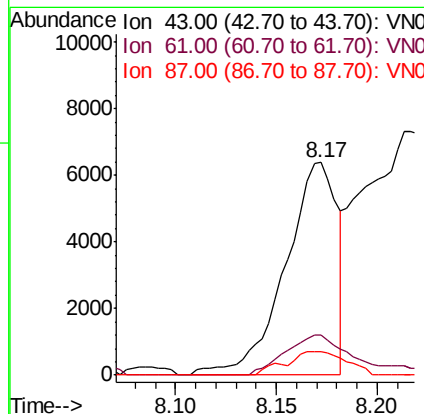
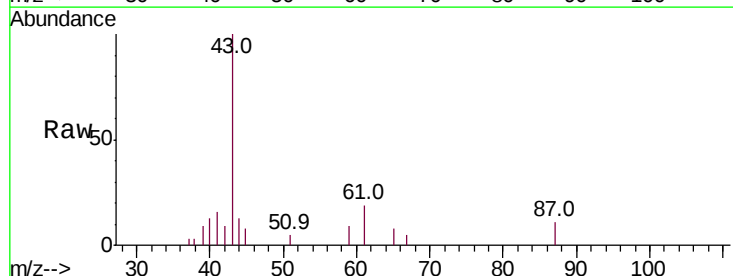
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

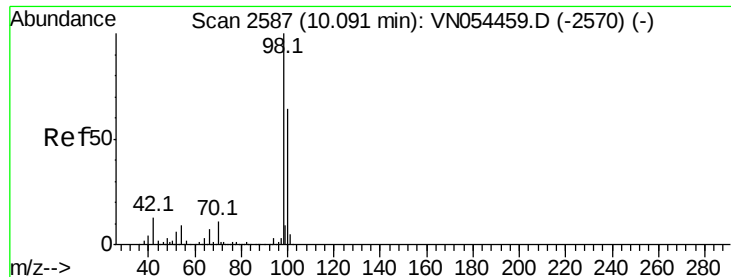
Tot Ion:113 Resp: 265274
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.4
 192 21.0 19.2 28.8



#43
 Isopropyl Acetate
 Concen: 1.173 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN054744.D
 Acq: 28 Mar 2019 15:06

Tgt Ion: 43 Resp: 11353
 Ion Ratio Lower Upper
 43 100
 61 23.0 15.8 23.8
 87 13.0 12.0 18.0





#50

Toluene-d8

Concen: 49.796 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054744.D

Acq: 28 Mar 2019 15:06

Instrument :

MSVOA_N

ClientSampled :

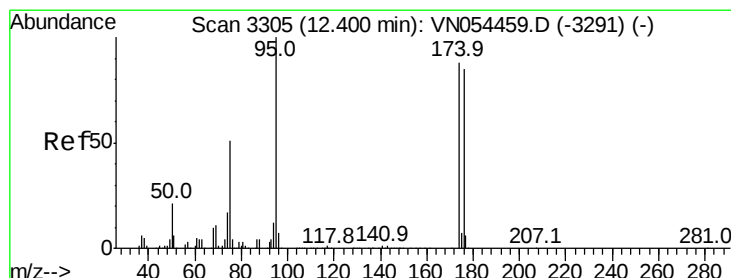
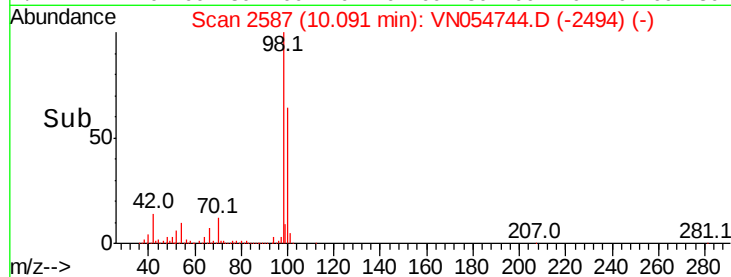
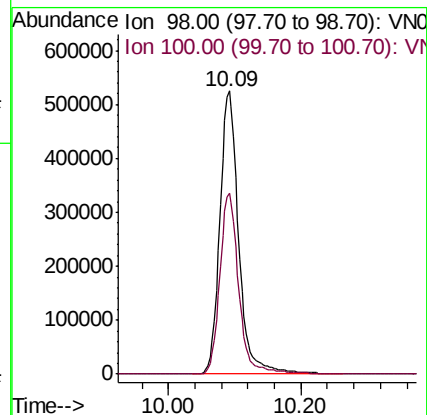
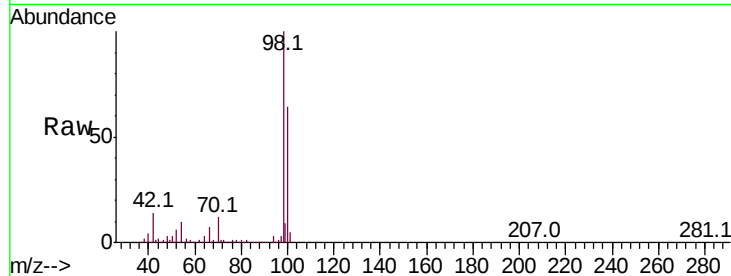
TP-4

Tot Ion: 98 Resp: 1039169

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 46.067 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054744.D

Acq: 28 Mar 2019 15:06

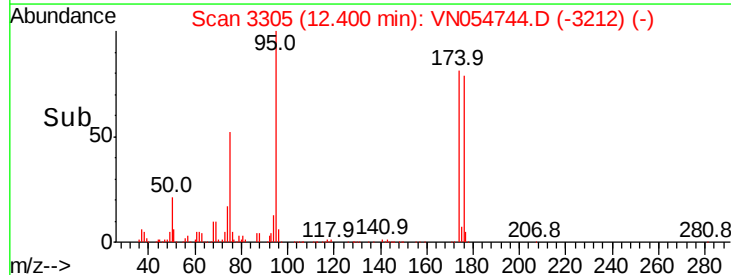
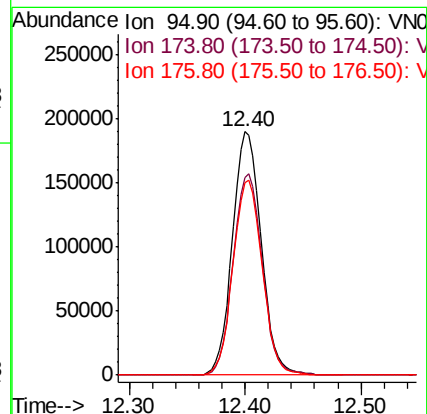
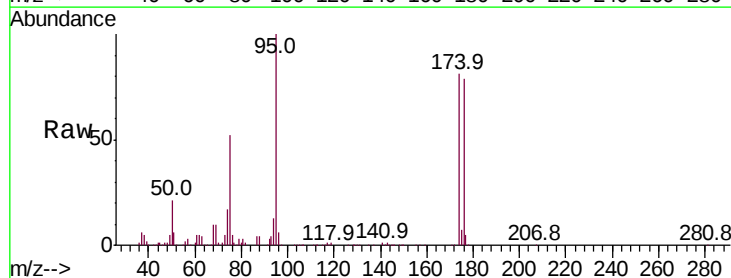
Tgt Ion: 95 Resp: 327130

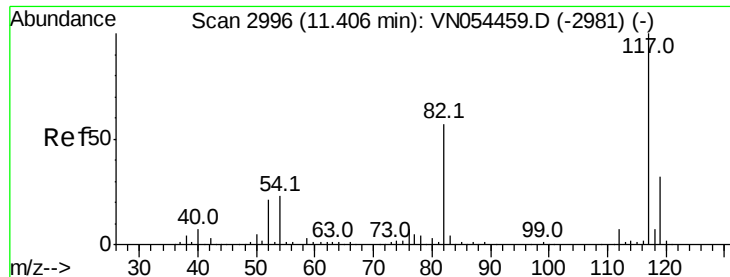
Ion Ratio Lower Upper

95 100

174 83.7 0.0 191.0

176 81.3 0.0 187.4

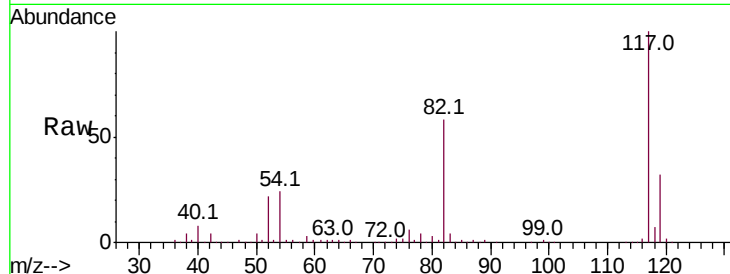




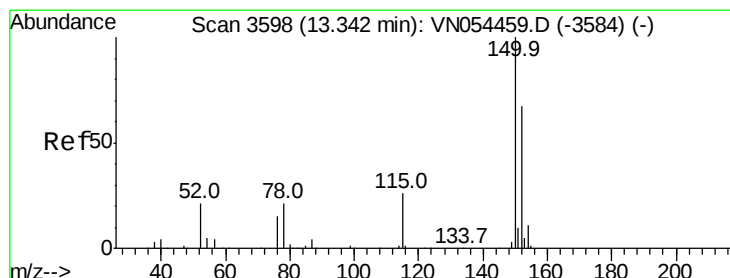
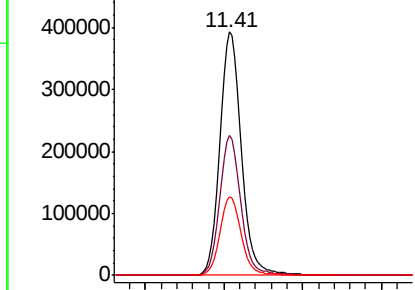
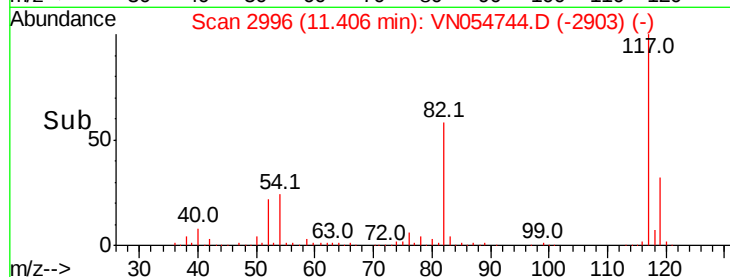
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054744.D
Acq: 28 Mar 2019 15:06

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion:117 Resp: 739609
Ion Ratio Lower Upper
117 100
82 57.7 40.0 60.0
119 32.4 25.8 38.6

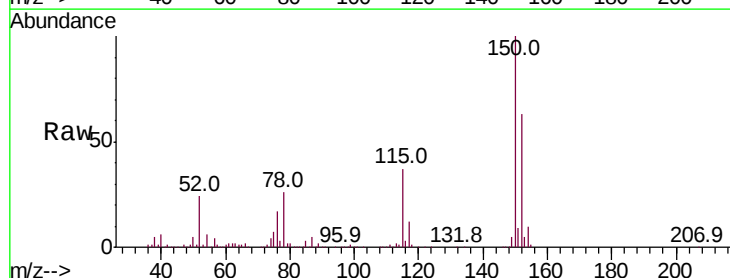


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054744.D
Acq: 28 Mar 2019 15:06

Tgt Ion:152 Resp: 279203
Ion Ratio Lower Upper
152 100
115 57.7 27.2 81.6
150 158.3 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

