

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054899.D
 Acq On : 2 Apr 2019 14:05
 Operator : JC/SP
 Sample : PB118502TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB118502TB

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:44:05 AM

Quant Time: Apr 03 05:53:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	537860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	884333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	766980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	277561	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	345493	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	279655	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
50) Toluene-d8	10.09	98	1059176	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	335684	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	
Target Compounds						
20) Methylene Chloride	4.55	84	9694m	1.589	ug/l	Qvalue
43) Isopropyl Acetate	8.17	43	16063	1.636	ug/l #	95

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

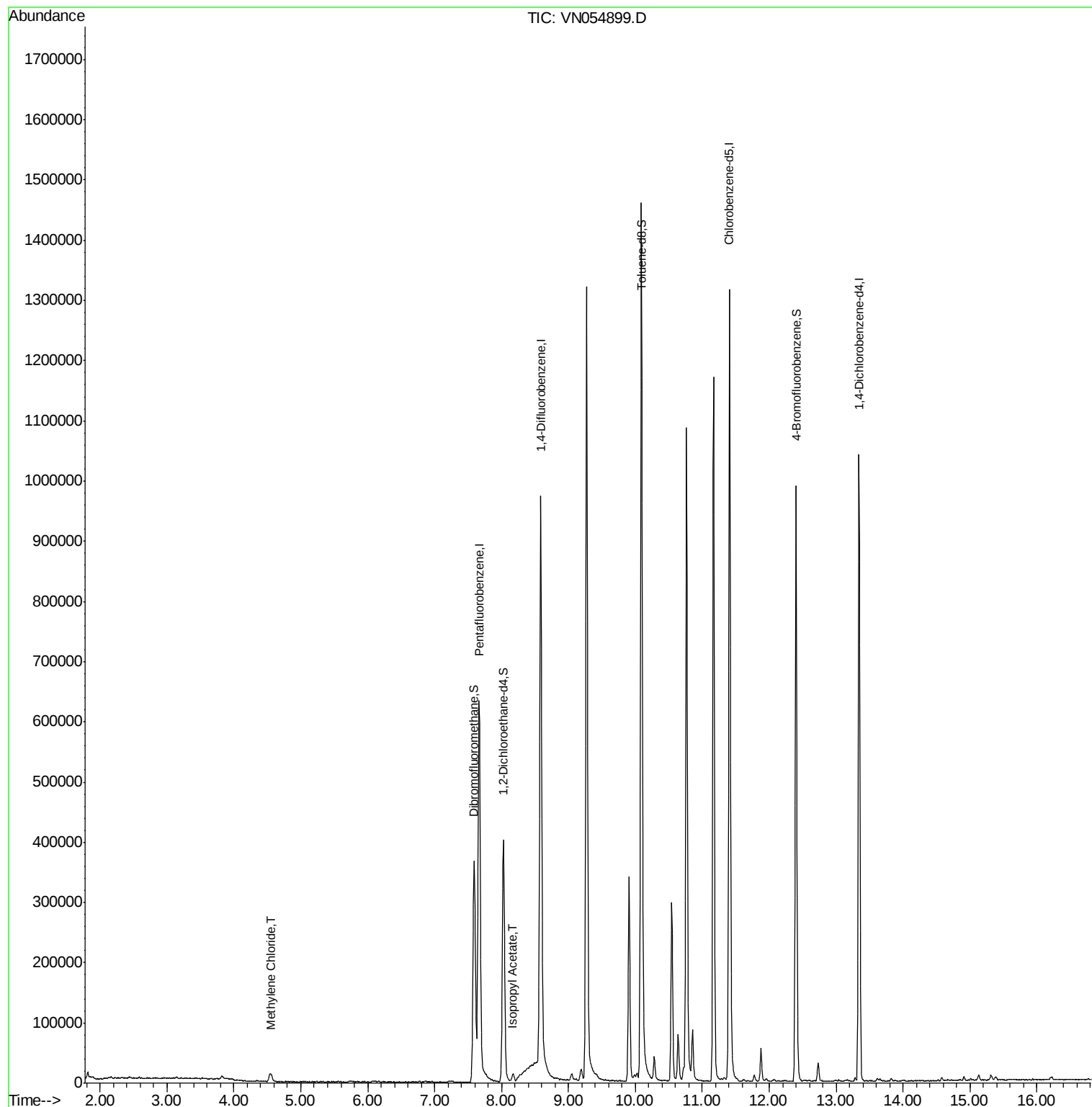
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040219\
Data File : VN054899.D
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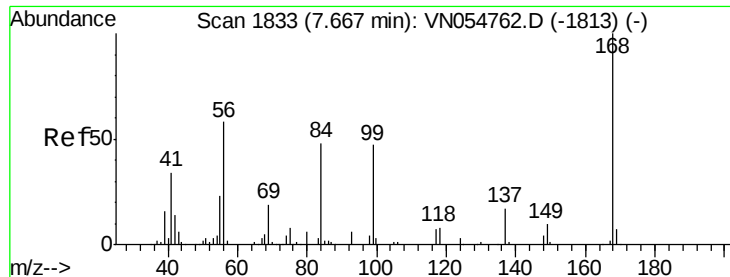
Instrument :
MSVOA_N
ClientSampleId :
PB118502TB

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 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: VN054899.D

Acq: 2 Apr 2019 14:05

Instrument :

MSVOA_N

ClientSampleID :

PB118502TB

Tot Ion:168 Resp: 537860

Ion Ratio Lower Upper

168 100

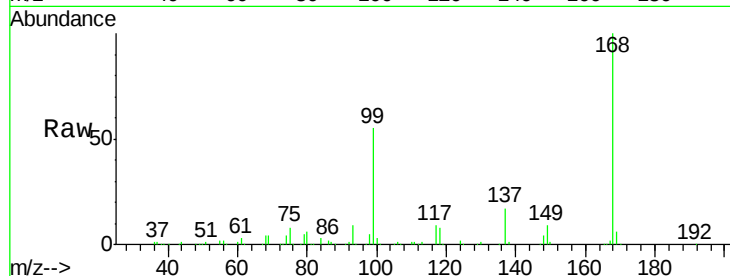
99 55.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

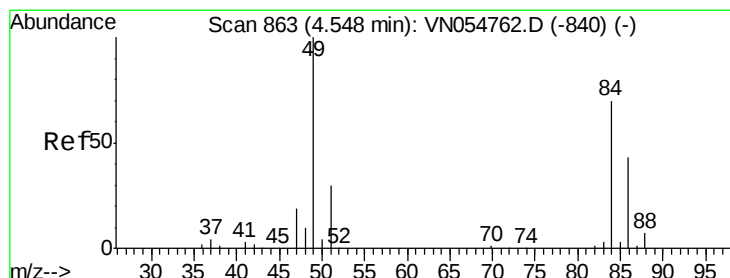
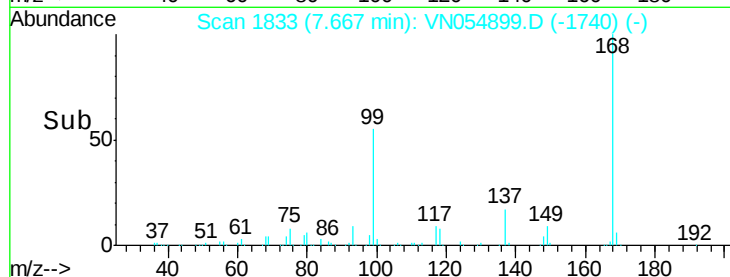
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.589 ug/l m

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054899.D

Acq: 2 Apr 2019 14:05

Tgt Ion: 84 Resp: 9694

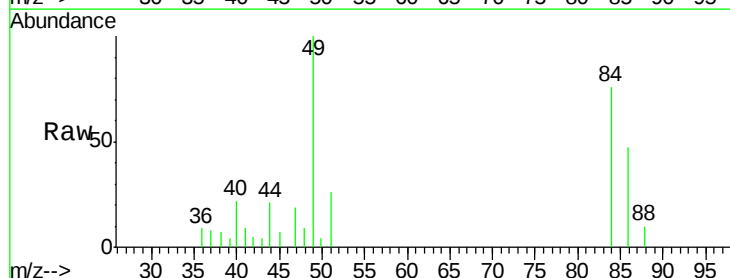
Ion Ratio Lower Upper

84 100

49 130.8 89.7 134.5

51 33.6 28.2 42.4

86 61.4 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

4.55

6000

5000

4000

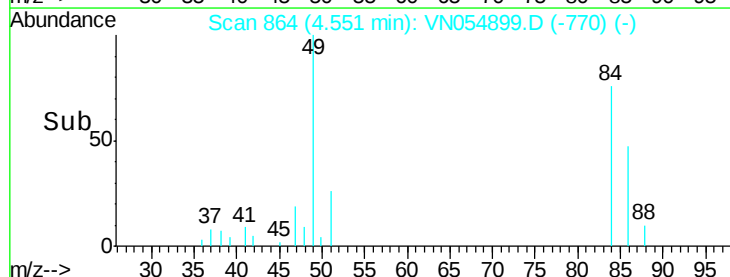
3000

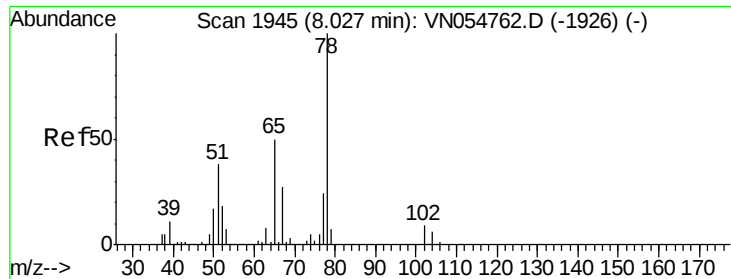
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1000

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Time-->





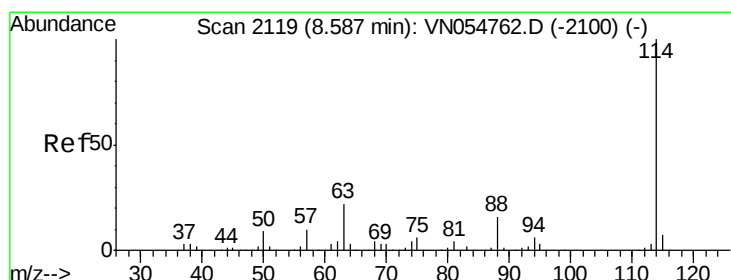
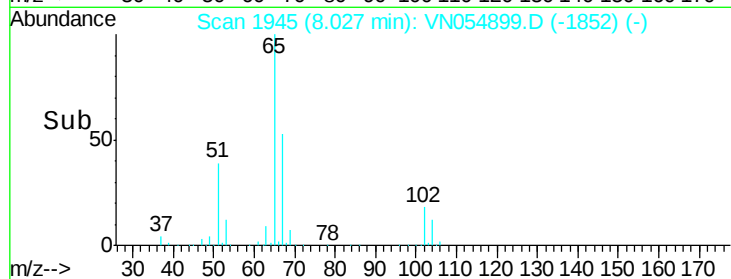
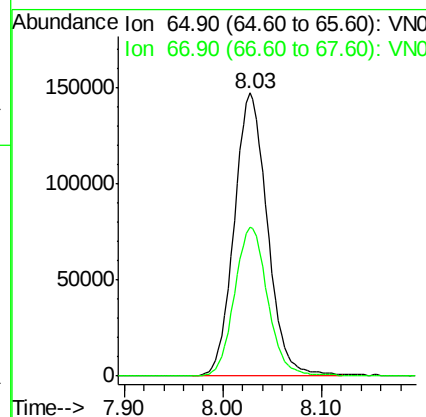
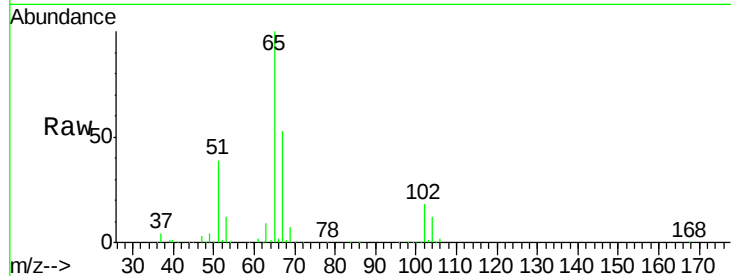
#33
 1,2-Dichloroethane-d4
 Concen: 47.651 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054899.D
 Acq: 2 Apr 2019 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB118502TB

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6

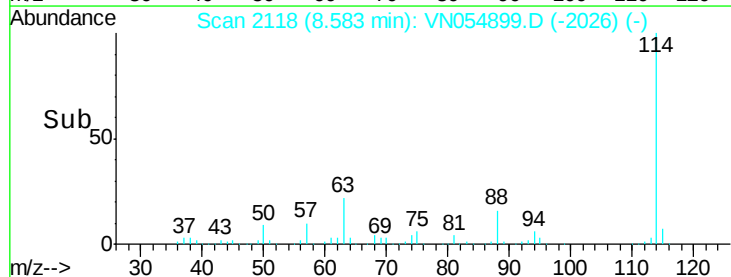
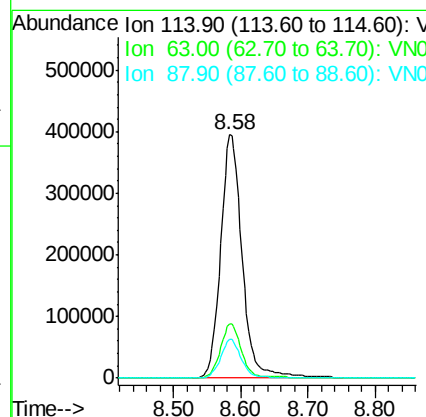
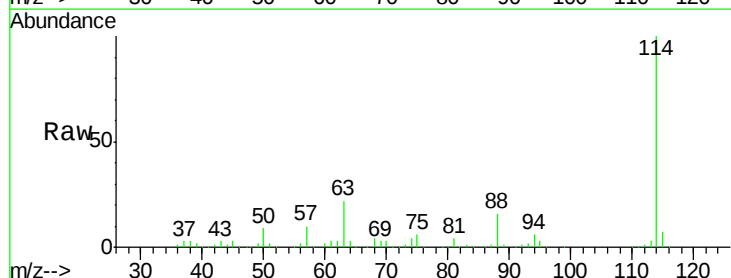
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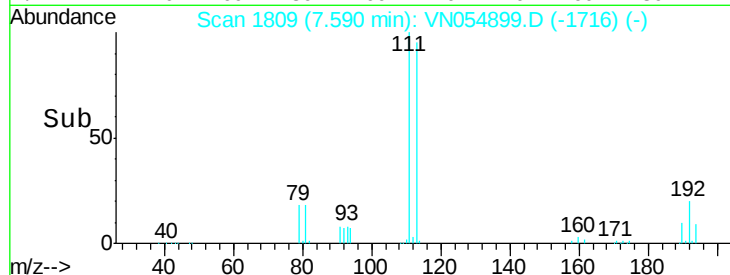
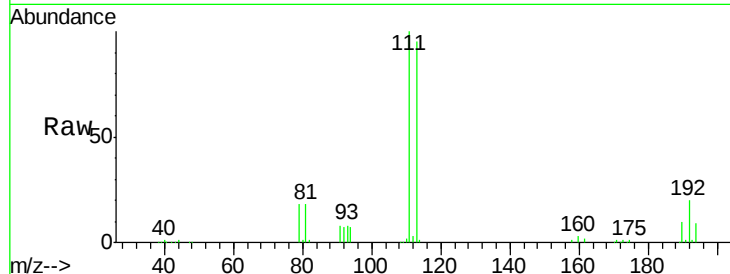
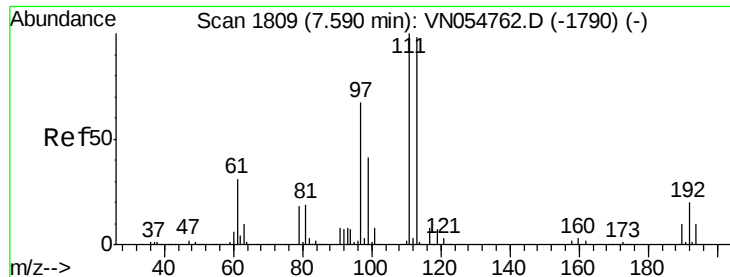
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054899.D
 Acq: 2 Apr 2019 14:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	35.2
88	15.9	0.0	30.2





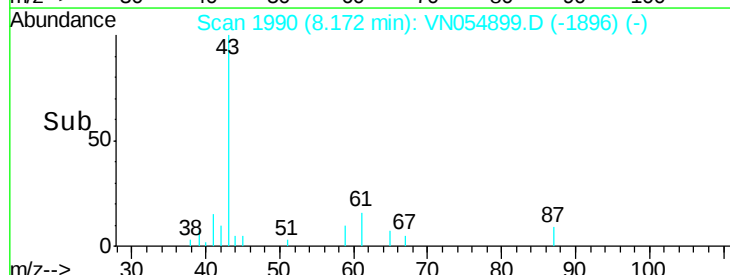
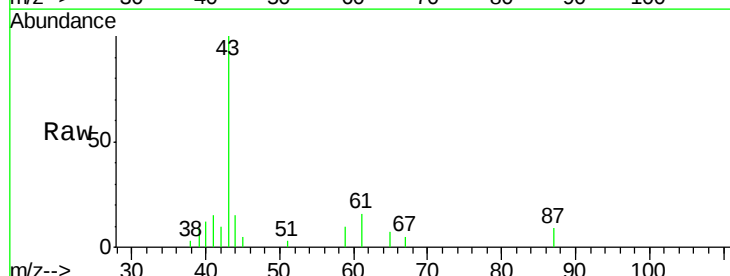
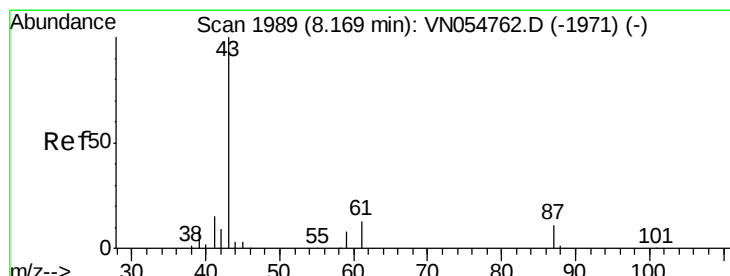
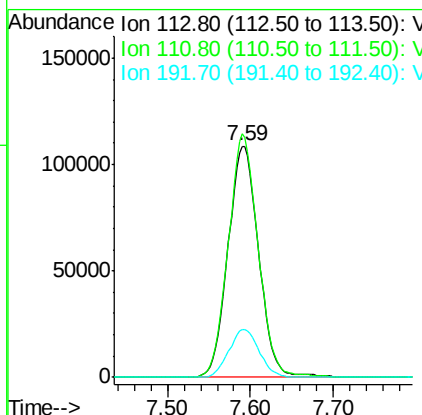
#35
Dibromofluoromethane
Concen: 47.433 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054899.D
Acq: 2 Apr 2019 14:05

Tot Ion	Ratio	Resp	Lower	Upper
113	100	279655		
111	101.7		82.2	123.4
192	20.6		19.2	28.8

Instrument :
MSVOA_N
ClientSampled :
PB118502TB

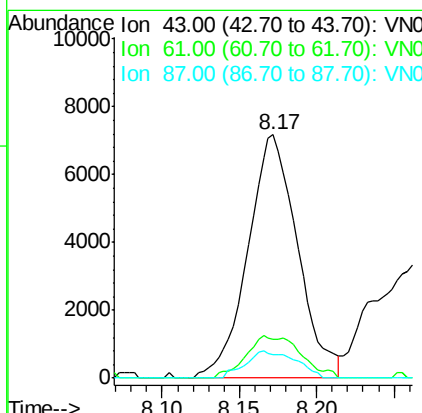
Manual Integrations
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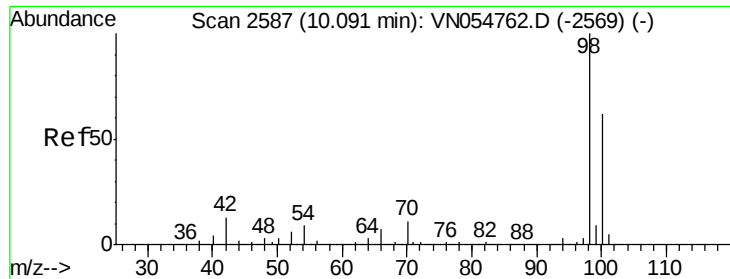
MMDadoda
4/3/2019 10:44:05 AM



#43
Isopropyl Acetate
Concen: 1.636 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054899.D
Acq: 2 Apr 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	16063		
61	19.1		15.8	23.8
87	11.2		12.0	18.0#





#50

Toluene-d8

Concen: 48.322 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054899.D

Acq: 2 Apr 2019 14:05

Instrument :

MSVOA_N

ClientSampled :

PB118502TB

Tot Ion: 98 Resp: 1059176

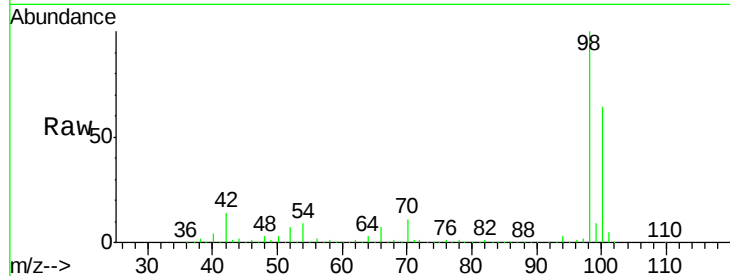
Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8

Manual Integrations
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4/3/2019 10:44:05 AM



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

600000

500000

400000

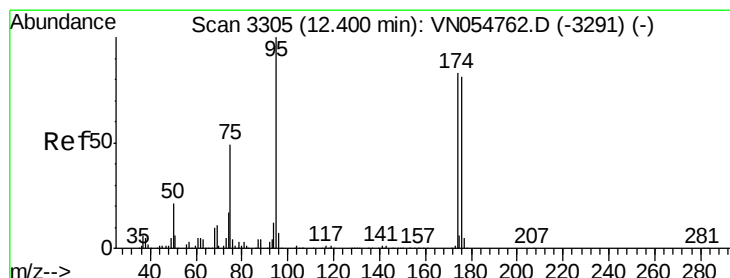
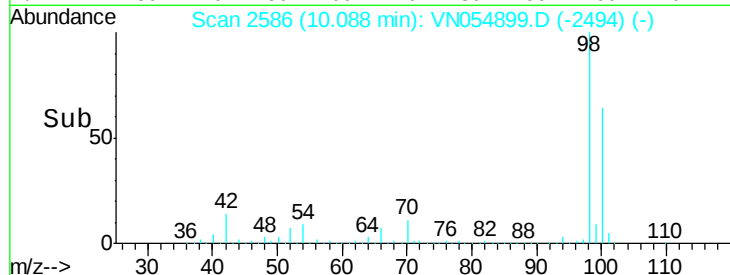
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.048 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054899.D

Acq: 2 Apr 2019 14:05

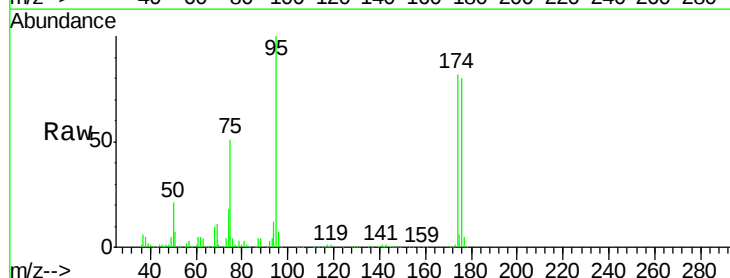
Tgt Ion: 95 Resp: 335684

Ion Ratio Lower Upper

95 100

174 84.4 0.0 191.0

176 81.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)

12.40

250000

200000

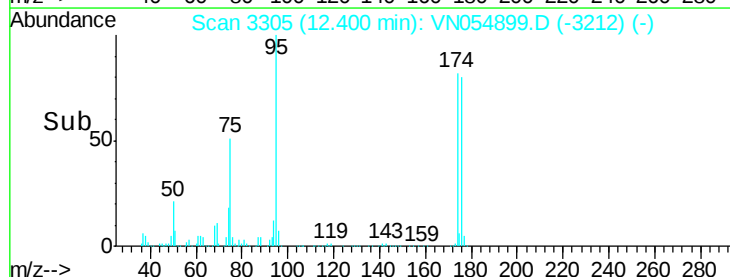
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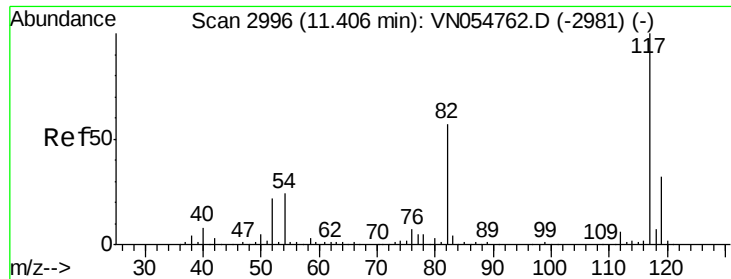
100000

50000

0

Time-->





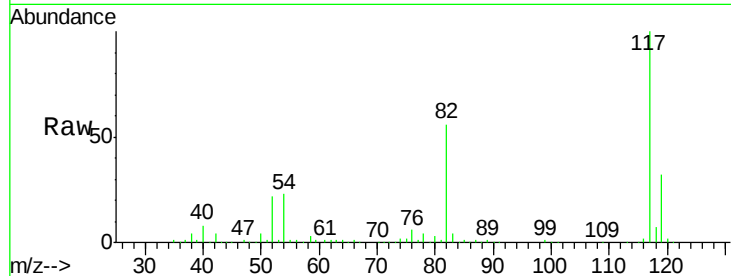
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054899.D
Acq: 2 Apr 2019 14:05

Instrument :
MSVOA_N
ClientSampled :
PB118502TB

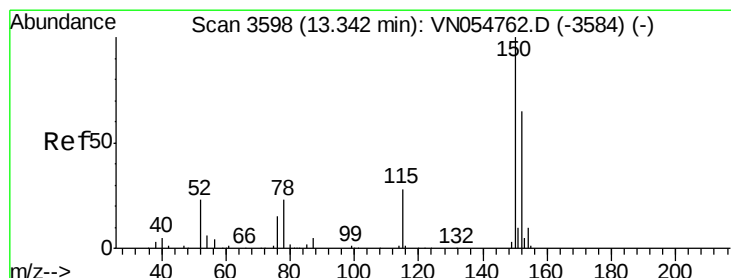
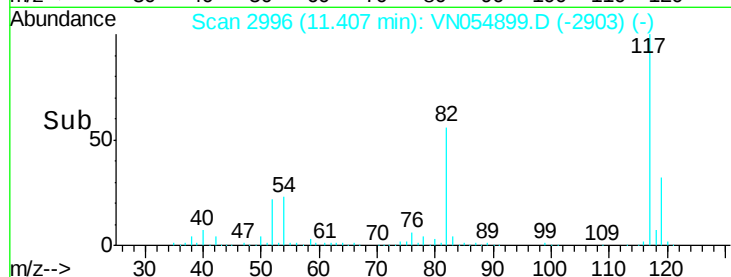
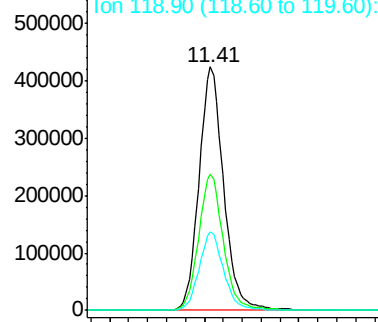
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	40.0	60.0
119	32.1	25.8	38.6

Manual Integrations
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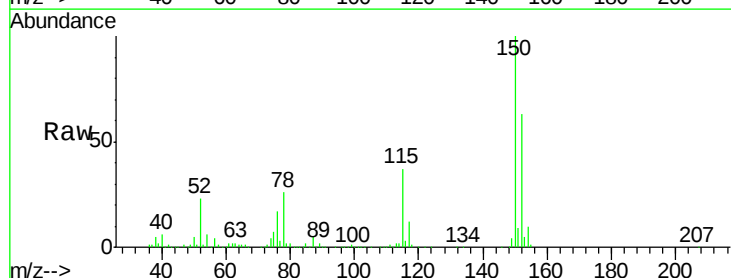


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054899.D
Acq: 2 Apr 2019 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	156.9	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

