

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056347.D
 Acq On : 17 Jun 2019 17:57
 Operator : JC/SP
 Sample : K3366-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BRANCH-LEAVES

Quant Time: Jun 18 05:43:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	340621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	564293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	221188	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	192311	50.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	167381	46.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.50%	
50) Toluene-d8	10.09	98	709891	51.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	253098	55.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.50%	

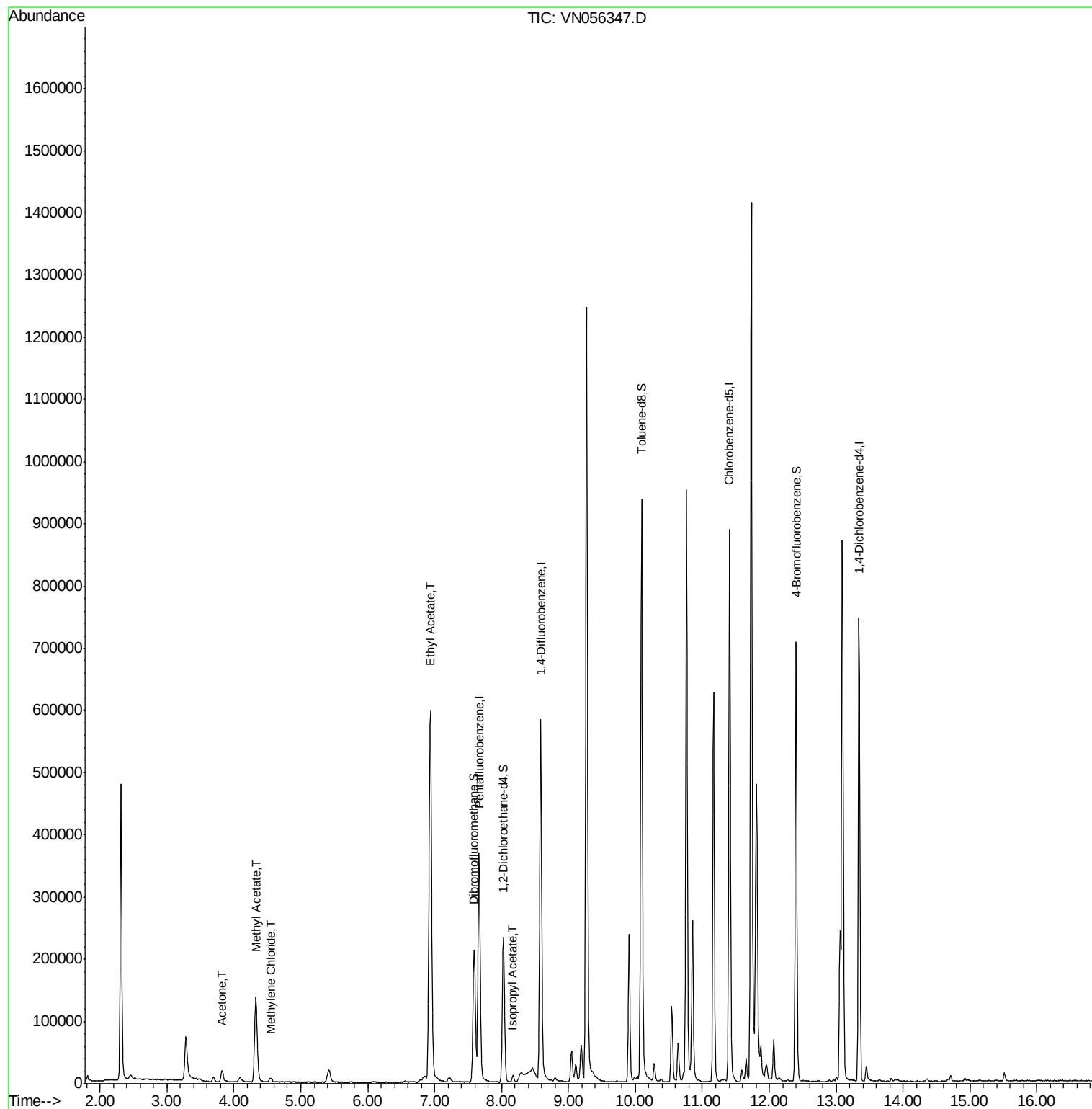
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	30949	14.624	ug/l	100
18) Methyl Acetate	4.33	43	256487	70.250	ug/l	99
20) Methylene Chloride	4.55	84	5208	1.394	ug/l	97
37) Ethyl Acetate	6.94	43	981347	203.925	ug/l	98
43) Isopropyl Acetate	8.17	43	12818	1.665	ug/l	98

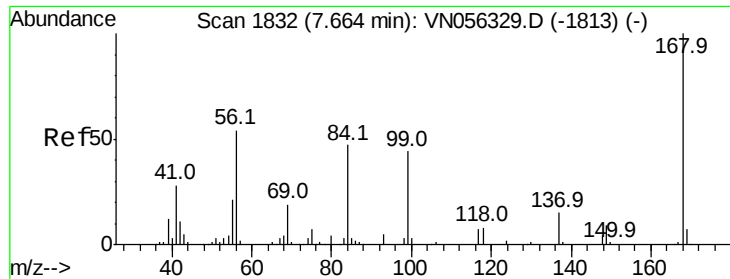
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056347.D

Acq: 17 Jun 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

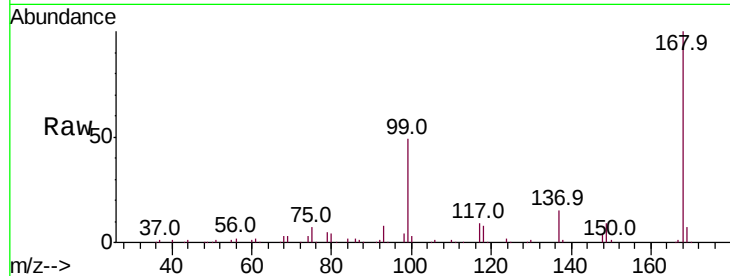
BRANCH-LEAVES

Tot Ion:168 Resp: 340621

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

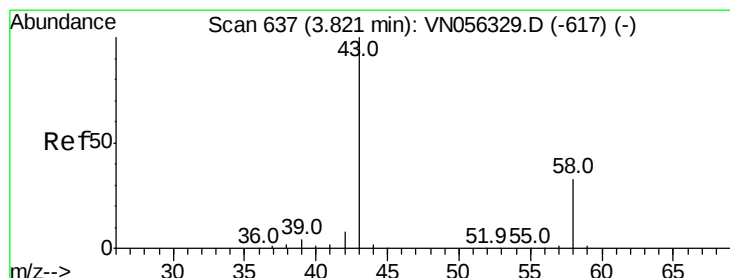
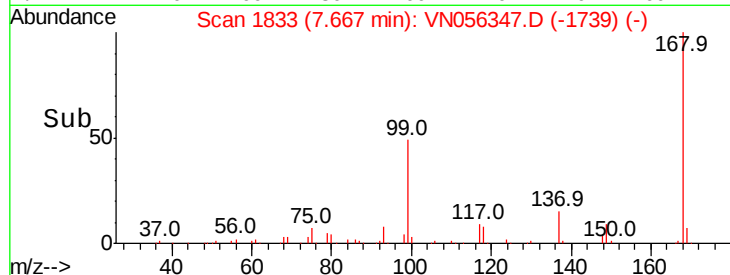
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 14.624 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056347.D

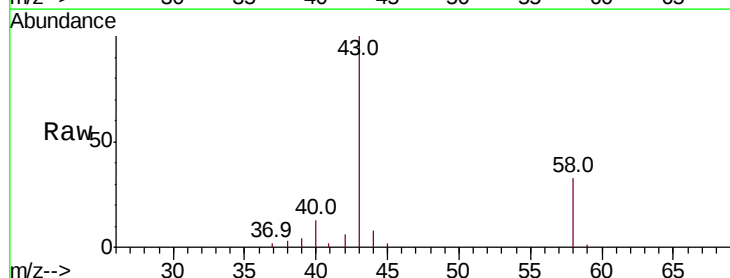
Acq: 17 Jun 2019 17:57

Tgt Ion: 43 Resp: 30949

Ion Ratio Lower Upper

43 100

58 32.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

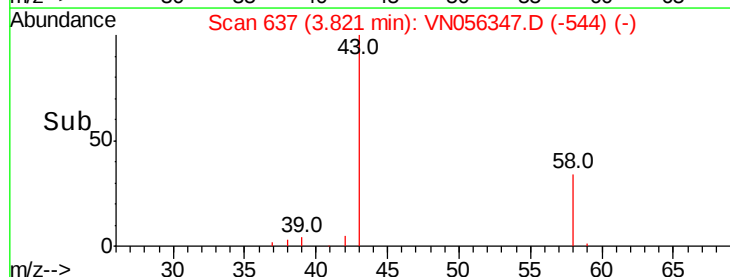
10000

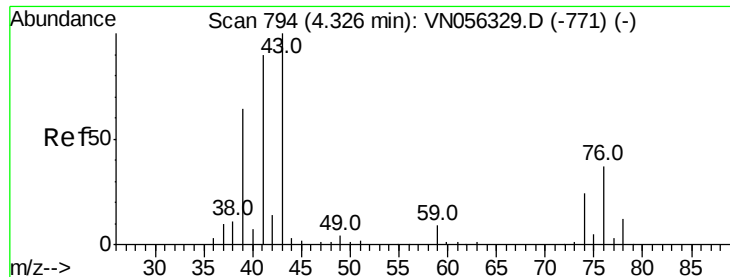
5000

0

3.75 3.80 3.85 3.90

Time-->

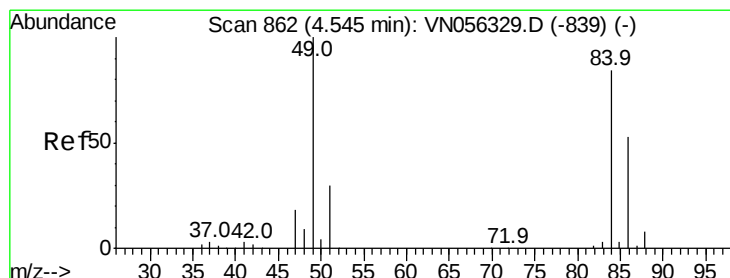
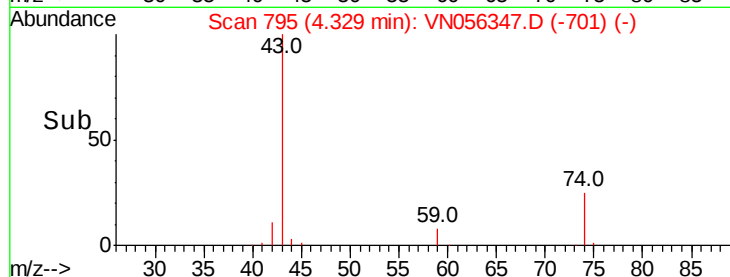
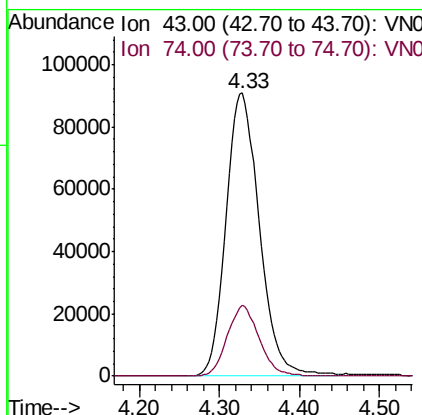
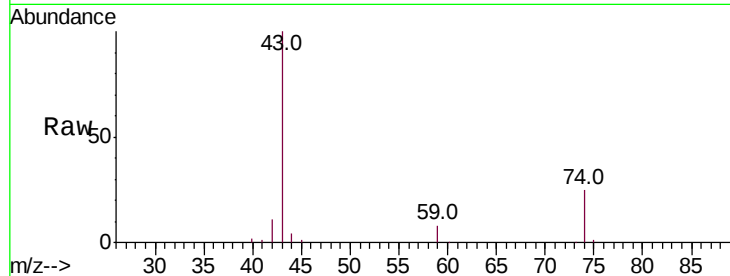




#18
Methyl Acetate
Concen: 70.250 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056347.D
Acq: 17 Jun 2019 17:57

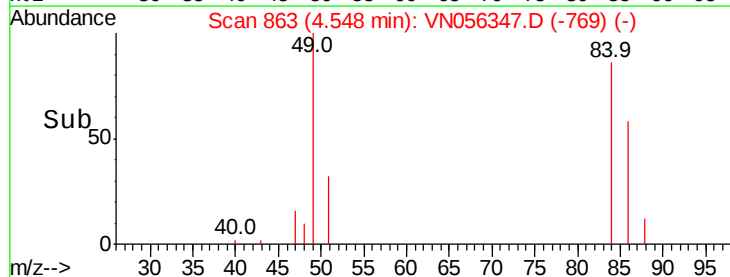
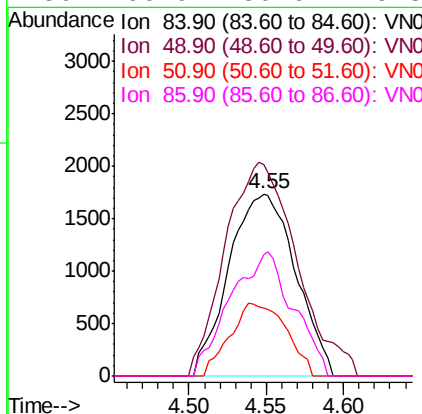
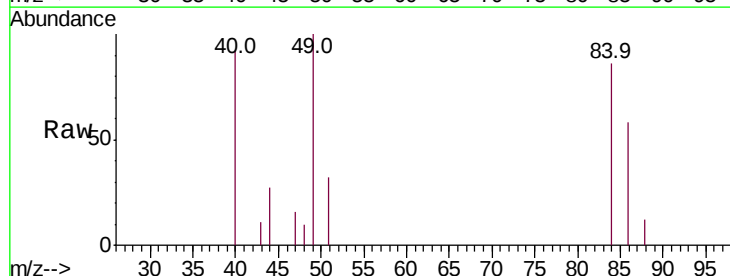
Instrument :
MSVOA_N
ClientSampleId :
BRANCH-LEAVES

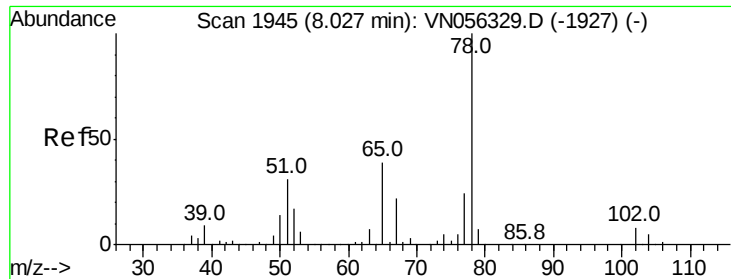
Tot Ion: 43 Resp: 256487
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.2



#20
Methylene Chloride
Concen: 1.394 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056347.D
Acq: 17 Jun 2019 17:57

Tgt Ion: 84 Resp: 5208
Ion Ratio Lower Upper
84 100
49 116.3 95.0 142.6
51 37.0 28.2 42.4
86 66.9 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 50.212 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056347.D

Acq: 17 Jun 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

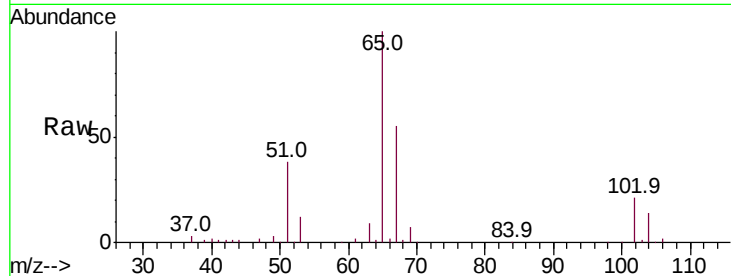
BRANCH-LEAVES

Tot Ion: 65 Resp: 192311

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.8

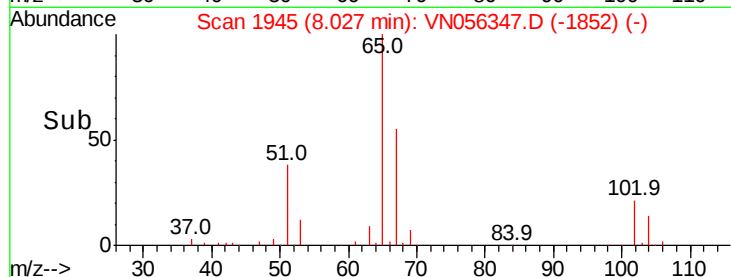


Abundance Ion 64.90 (64.60 to 65.60): VN056329.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056329.D (-1927) (-)

8.03

Time-->



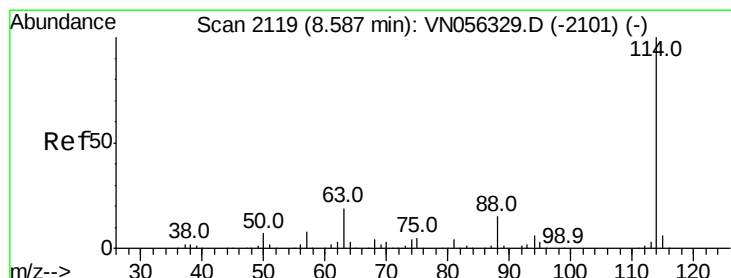
Abundance

Ion 64.90 (64.60 to 65.60): VN056347.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN056347.D (-1852) (-)

8.03

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN056347.D

Acq: 17 Jun 2019 17:57

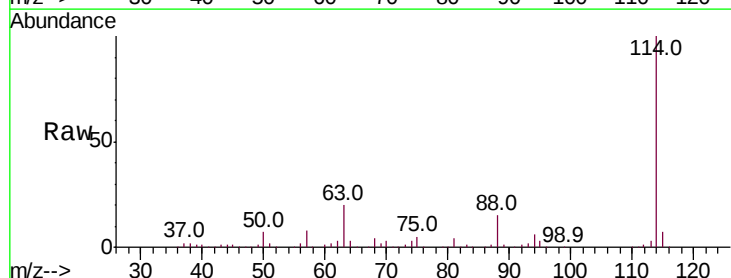
Tgt Ion: 114 Resp: 564293

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

88 15.2 0.0 30.6



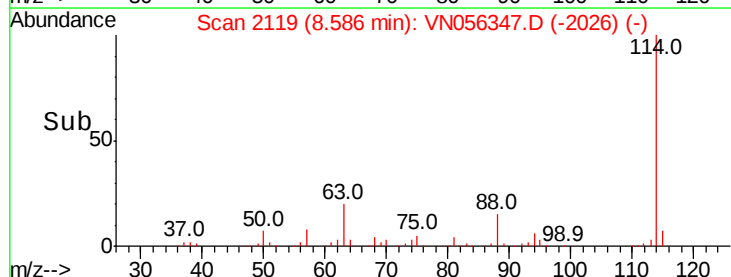
Abundance Ion 113.90 (113.60 to 114.60): VN056329.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056329.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056329.D (-2101) (-)

8.59

Time-->



Abundance

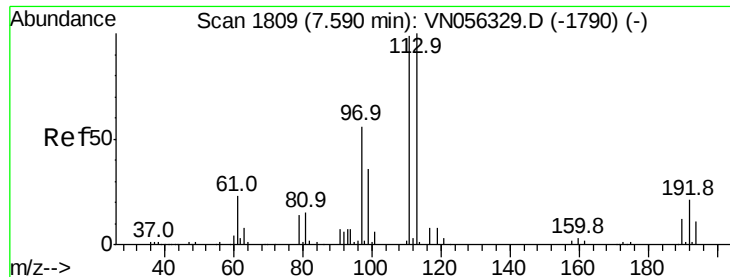
Ion 113.90 (113.60 to 114.60): VN056347.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN056347.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN056347.D (-2026) (-)

8.59

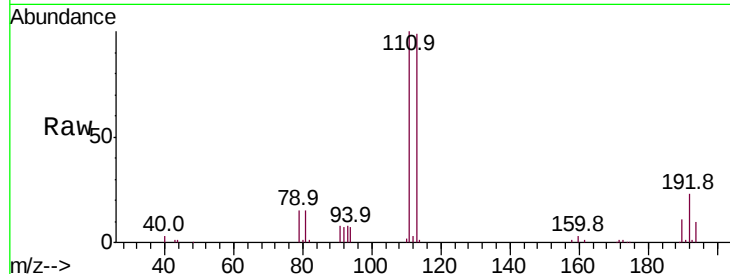
Time-->



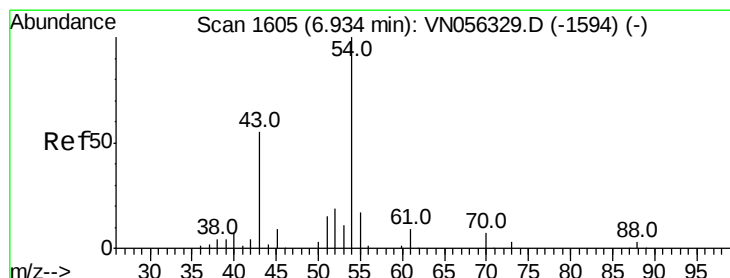
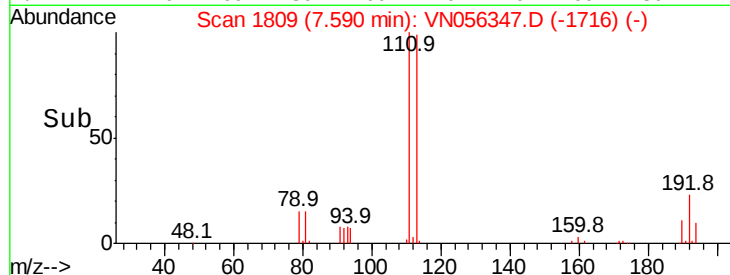
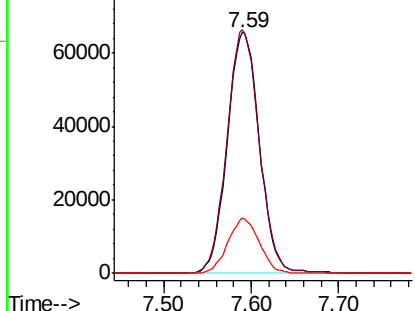
#35
 Dibromofluoromethane
 Concen: 46.255 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056347.D
 Acq: 17 Jun 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 BRANCH-LEAVES

Tot Ion:113 Resp: 167381
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.1 123.1
 192 22.4 17.6 26.4

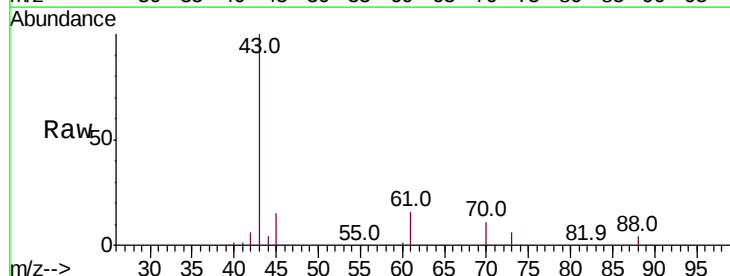


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

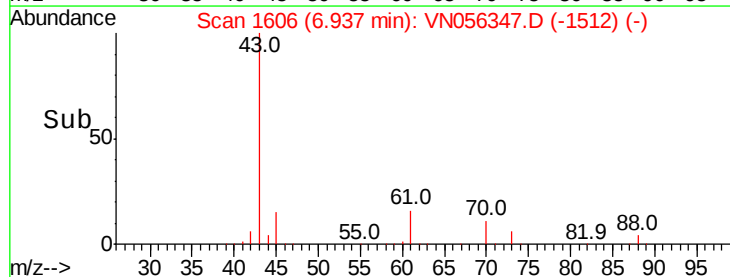
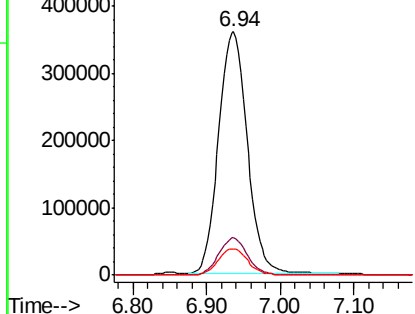


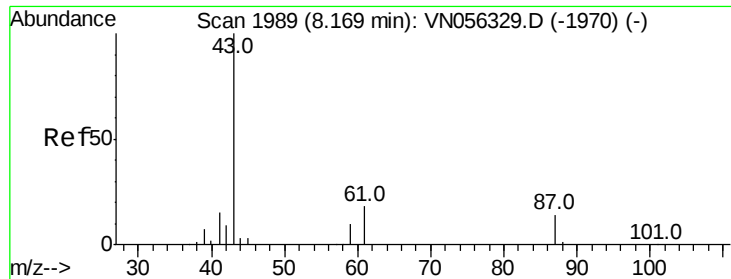
#37
 Ethyl Acetate
 Concen: 203.925 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN056347.D
 Acq: 17 Jun 2019 17:57

Tgt Ion: 43 Resp: 981347
 Ion Ratio Lower Upper
 43 100
 61 15.4 11.7 17.5
 70 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 70.00 (69.70 to 70.70): VNO





#43

Isopropyl Acetate

Concen: 1.665 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN056347.D

Acq: 17 Jun 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

BRANCH-LEAVES

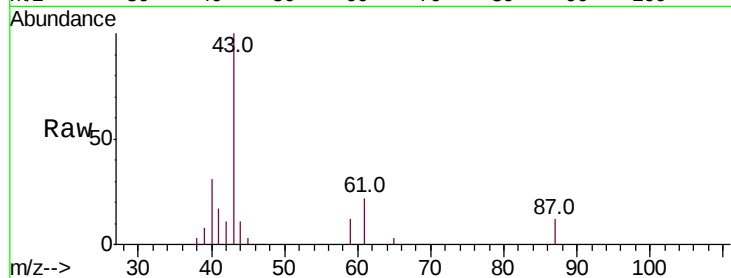
Tot Ion: 43 Resp: 12818

Ion Ratio Lower Upper

43 100

61 21.2 16.6 25.0

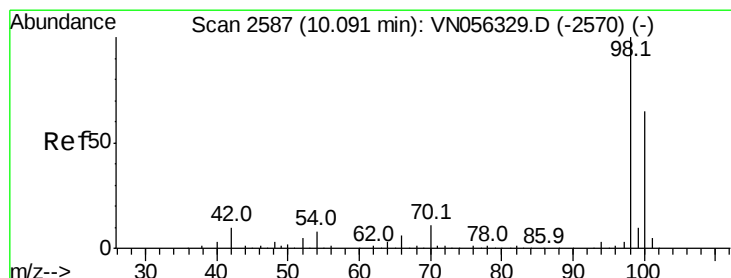
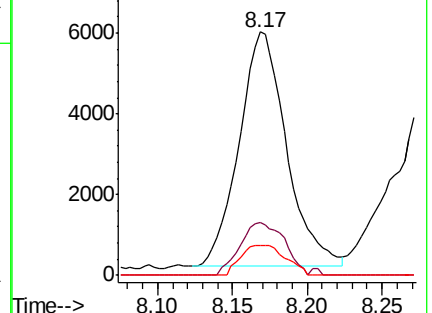
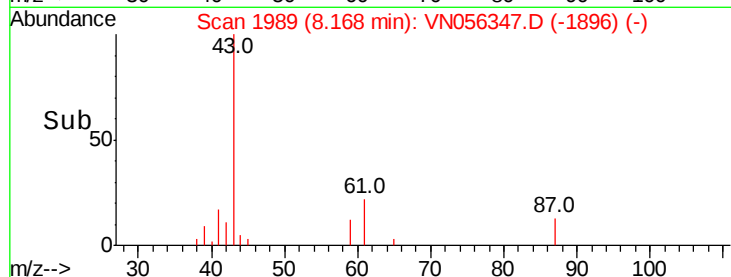
87 12.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.351 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN056347.D

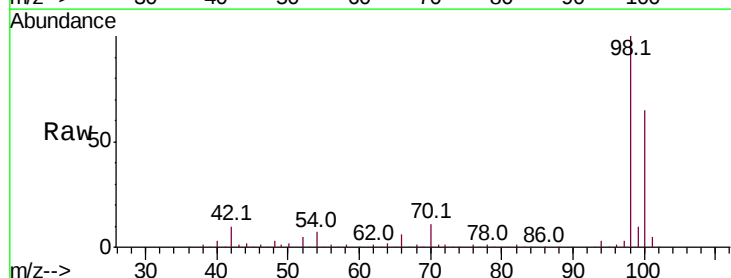
Acq: 17 Jun 2019 17:57

Tgt Ion: 98 Resp: 709891

Ion Ratio Lower Upper

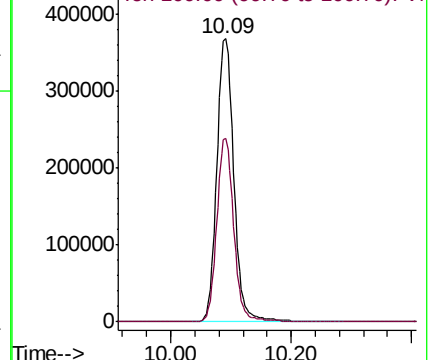
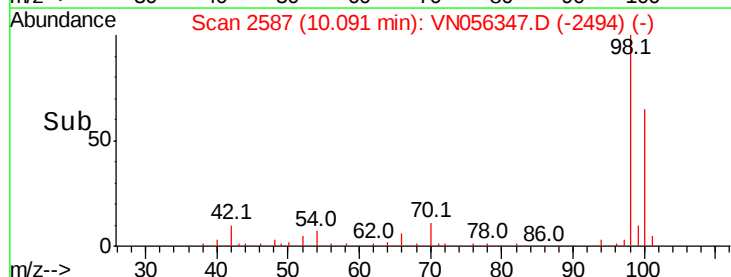
98 100

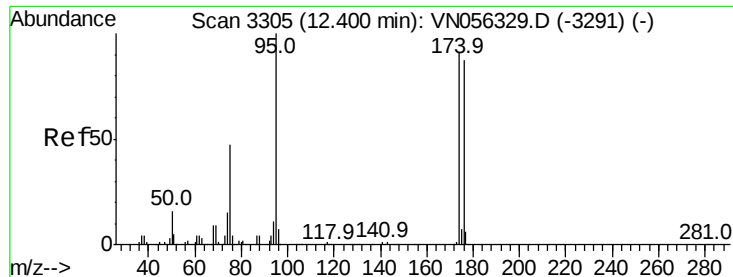
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 55.249 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056347.D

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BRANCH-LEAVES

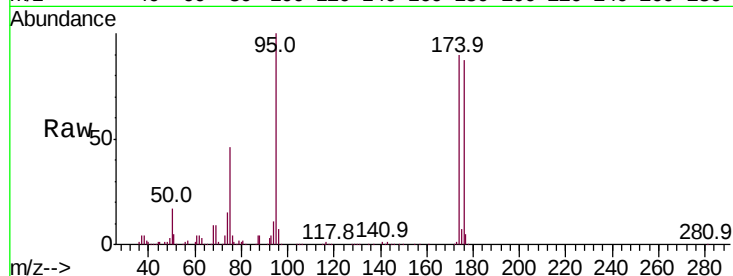
Tot Ion: 95 Resp: 253098

Ion Ratio Lower Upper

95 100

174 90.5 0.0 182.6

176 88.2 0.0 176.8



Abundance Ion 94.90 (94.60 to 95.60): VN056347.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN056347.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN056347.D (-2903) (-)

12.40

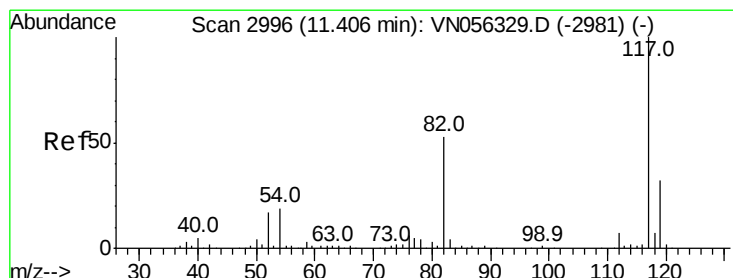
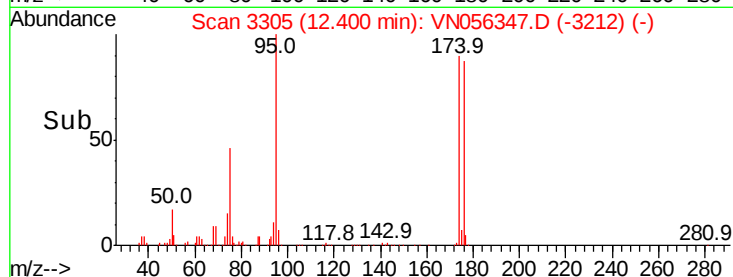
150000

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: VN056347.D

Acq: 17 Jun 2019 17:57

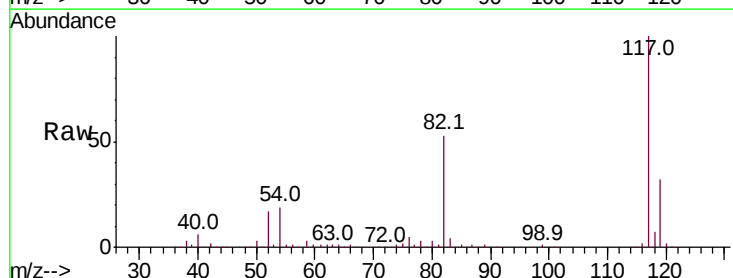
Tgt Ion: 117 Resp: 572363

Ion Ratio Lower Upper

117 100

82 53.0 42.4 63.6

119 31.6 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN056347.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056347.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056347.D (-2903) (-)

11.41

400000

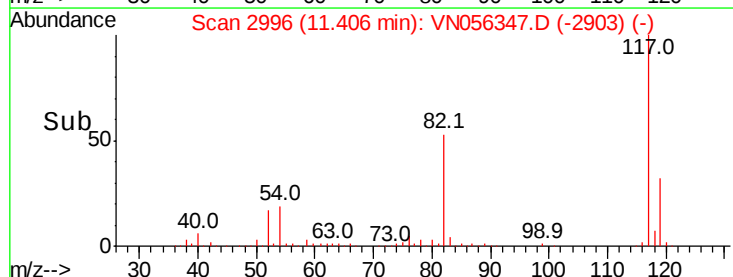
300000

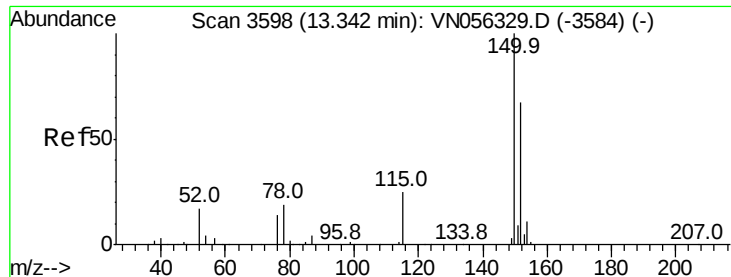
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056347.D

Acq: 17 Jun 2019 17:57

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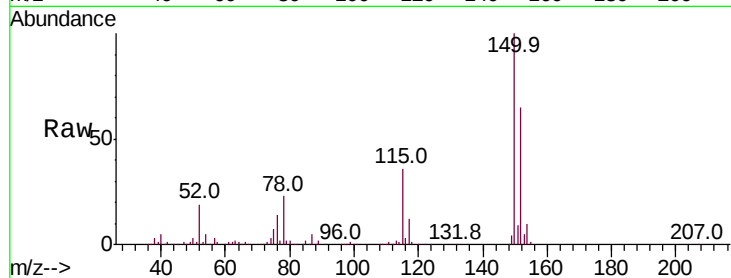
Tot Ion:152 Resp: 221188

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.3

150 154.4 0.0 345.8



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

