

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055624.D
 Acq On : 17 May 2019 20:42
 Operator : JC/SP
 Sample : K2902-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW07-051619

Quant Time: May 18 04:06:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

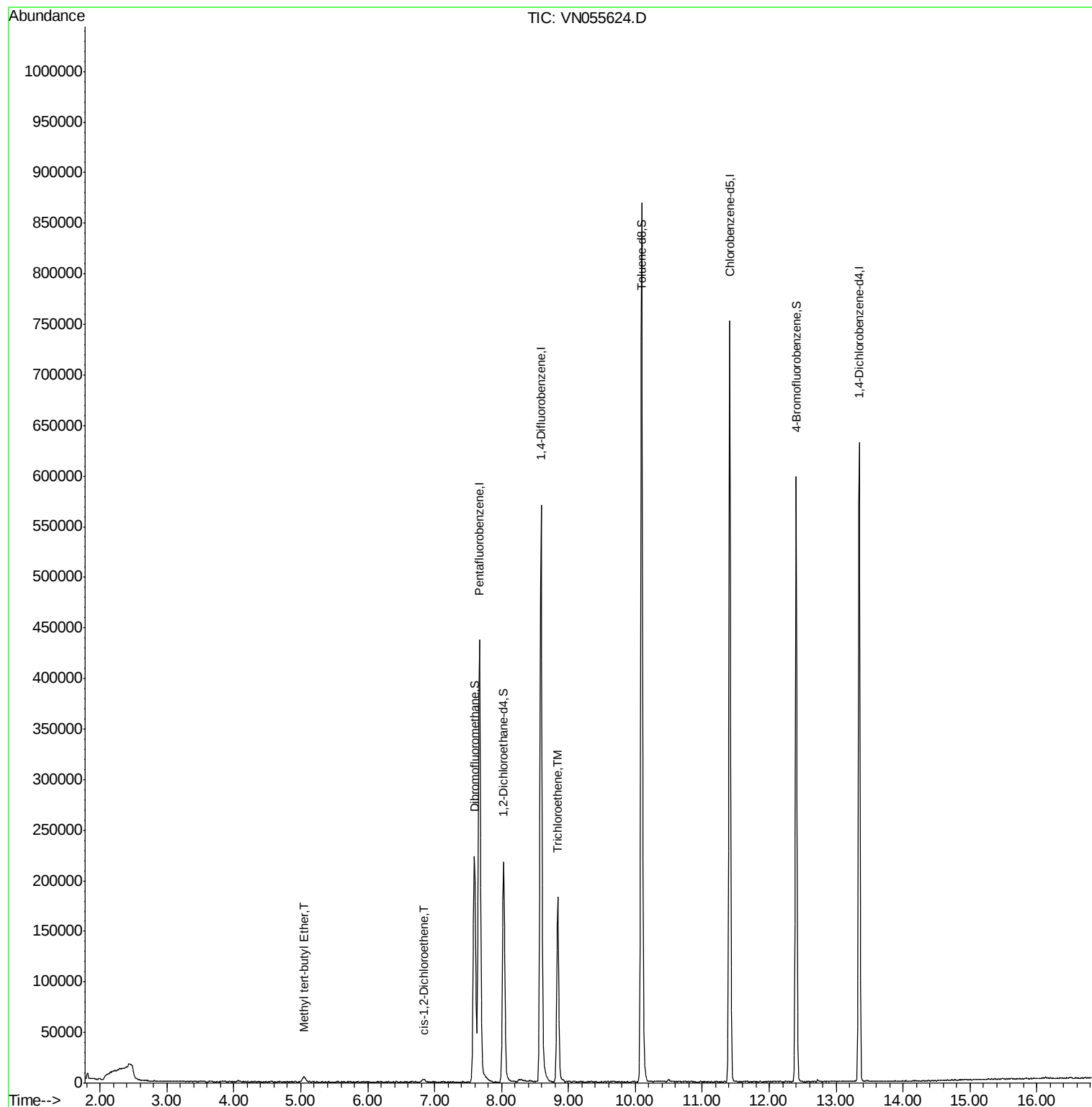
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	412511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	577881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	185860	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	191835	42.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.84%	
35) Dibromofluoromethane	7.59	113	177409	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
50) Toluene-d8	10.09	98	668575	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	210472	43.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.82%	
Target Compounds						
19) Methyl tert-butyl Ether	5.04	73	8586	0.689	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	1670	0.357	ug/l	75
44) Trichloroethene	8.84	130	75705	17.704	ug/l	98

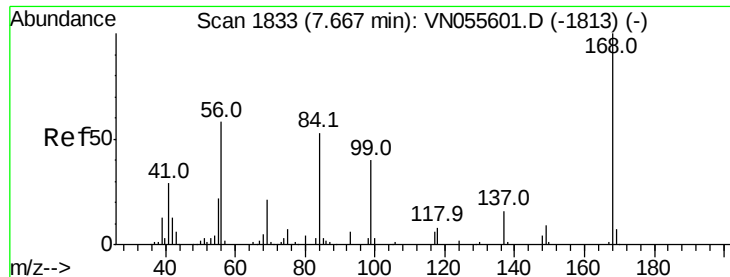
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

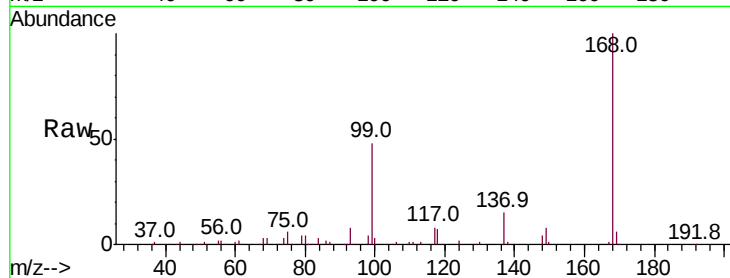
FM-EA-3MW07-051619

Tot Ion:168 Resp: 412511

Ion Ratio Lower Upper

168 100

99 48.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

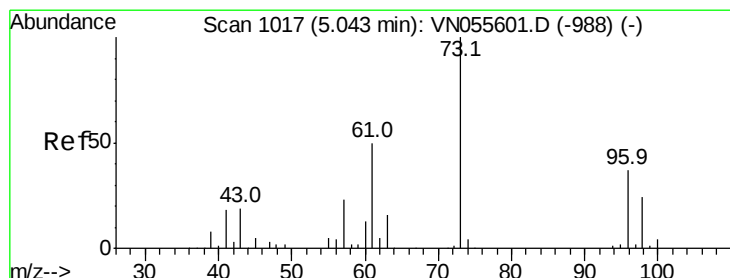
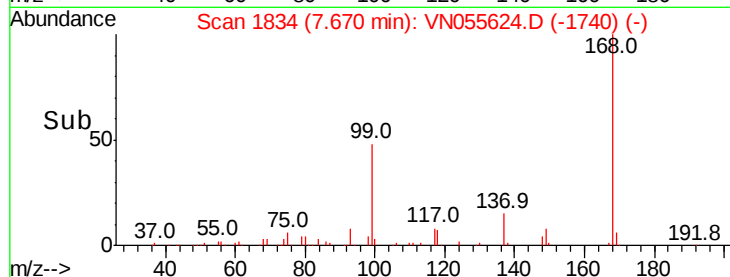
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.689 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055624.D

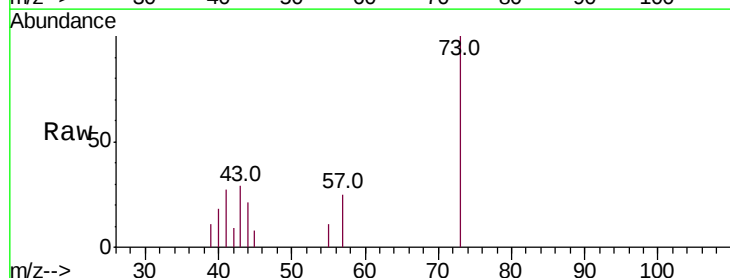
Acq: 17 May 2019 20:42

Tgt Ion: 73 Resp: 8586

Ion Ratio Lower Upper

73 100

57 25.3 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

5.04

2500

2000

1500

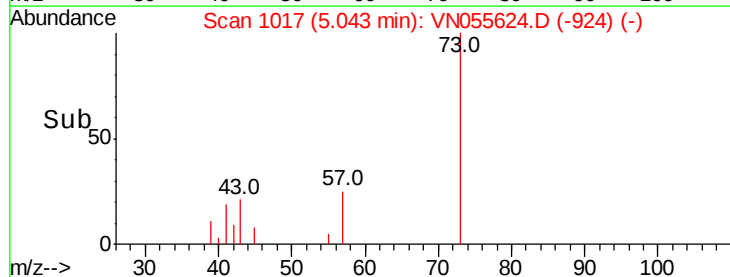
1000

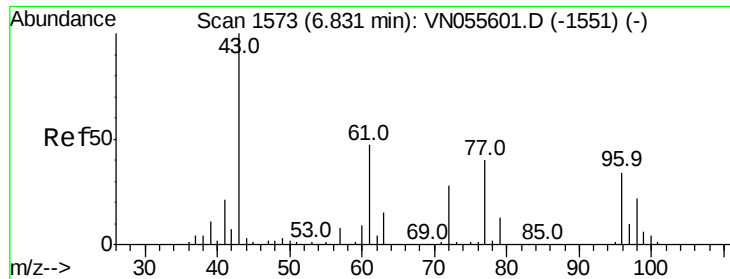
500

0

4.95 5.00 5.05 5.10 5.15

Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.357 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW07-051619

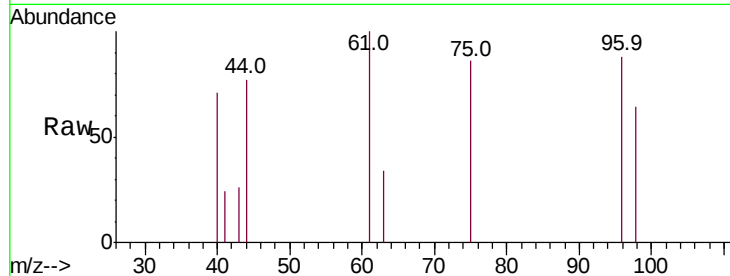
Tot Ion: 96 Resp: 1670

Ion Ratio Lower Upper

96 100

61 117.0 0.0 279.0

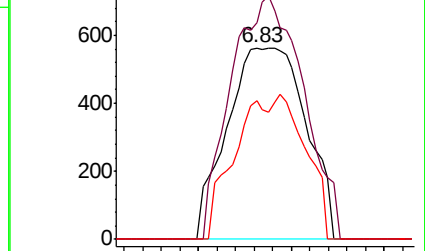
98 34.0 0.0 131.6



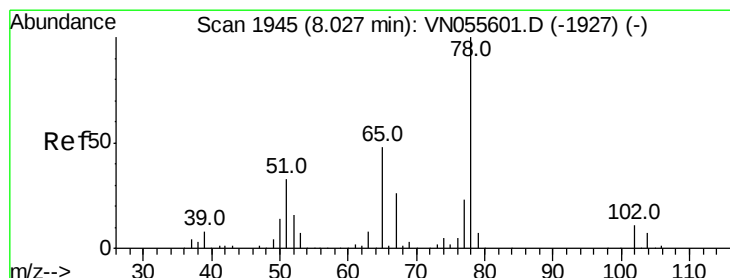
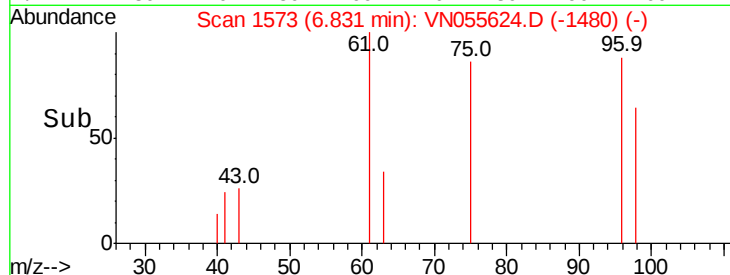
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.423 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055624.D

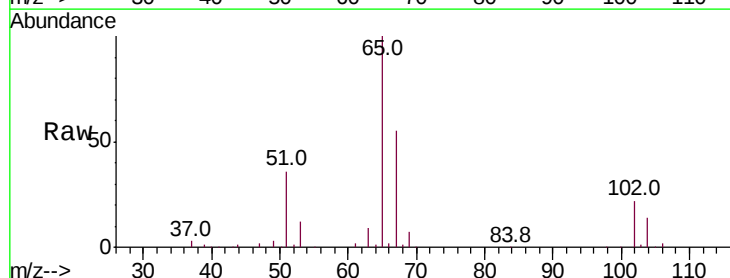
Acq: 17 May 2019 20:42

Tgt Ion: 65 Resp: 191835

Ion Ratio Lower Upper

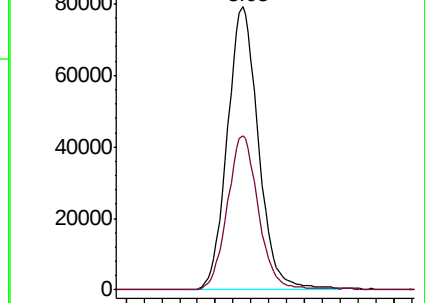
65 100

67 54.3 0.0 108.6

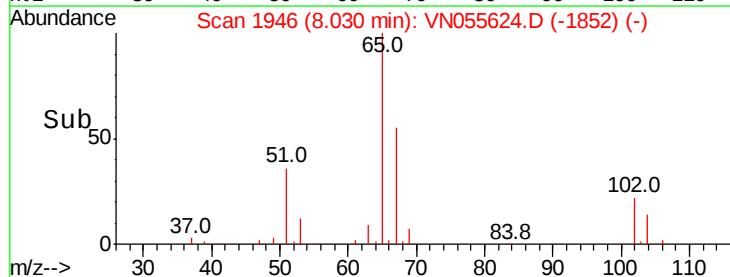


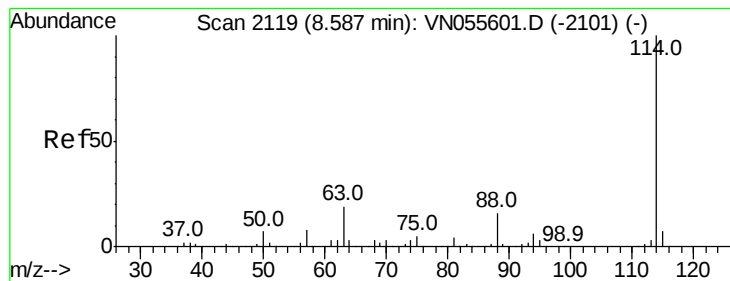
Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

FM-EA-3MW07-051619

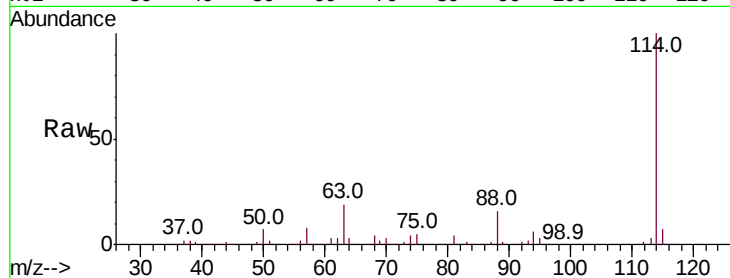
Tot Ion:114 Resp: 577881

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.2

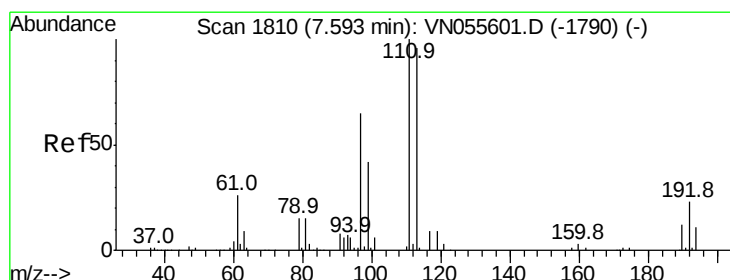
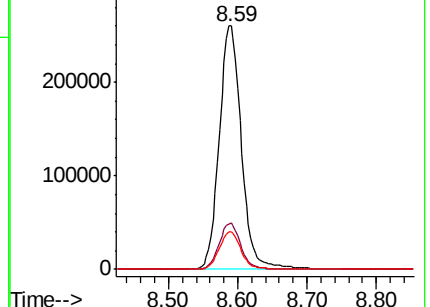
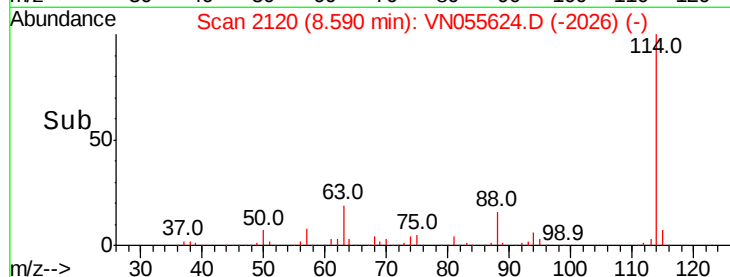
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.328 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

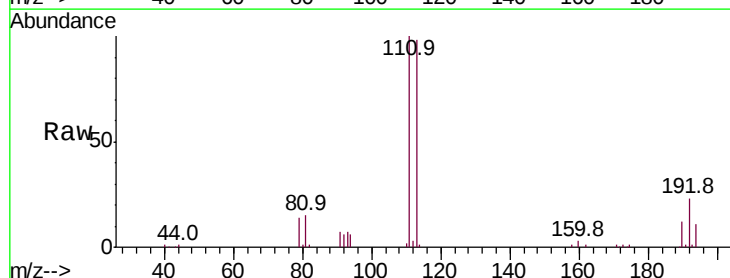
Tgt Ion:113 Resp: 177409

Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

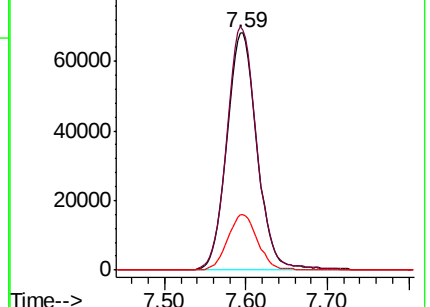
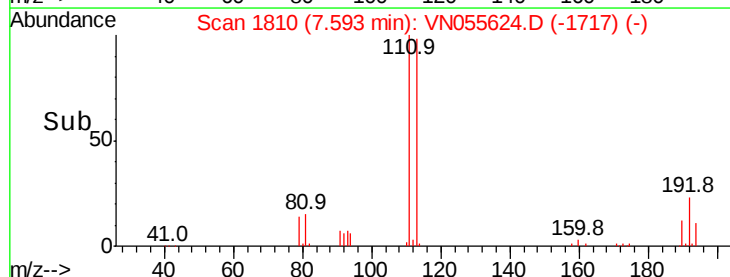
192 23.0 18.7 28.1

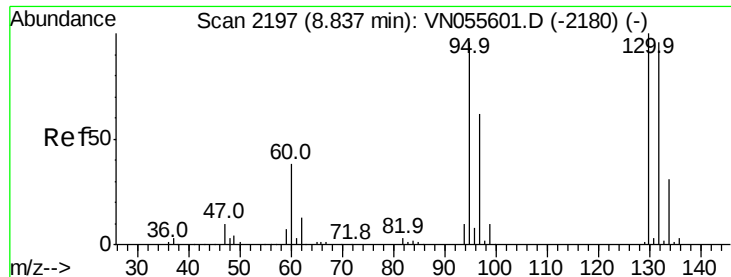


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 17.704 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

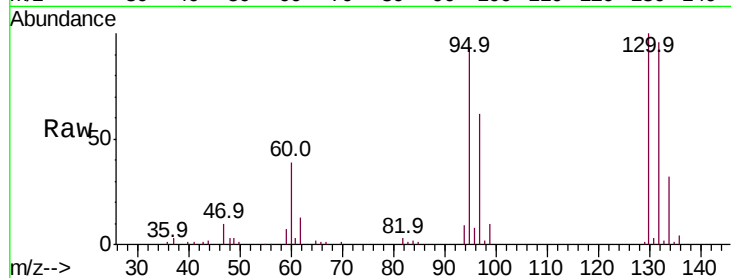
FM-EA-3MW07-051619

Tot Ion:130 Resp: 75705

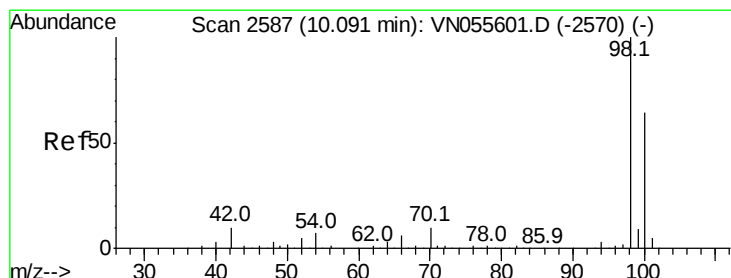
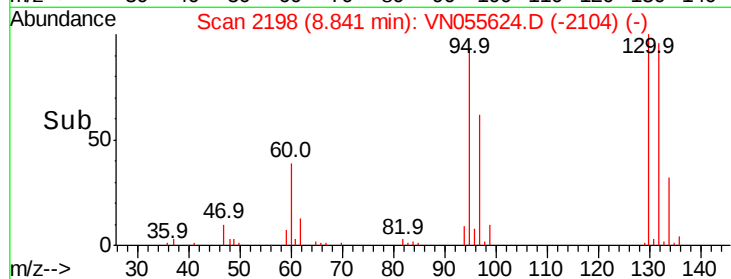
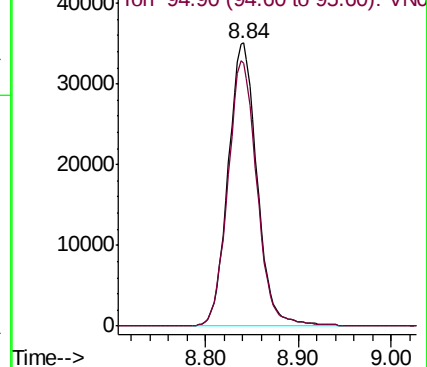
Ion Ratio Lower Upper

130 100

95 93.1 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055624.D (-2180) (-)



#50

Toluene-d8

Concen: 48.167 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055624.D

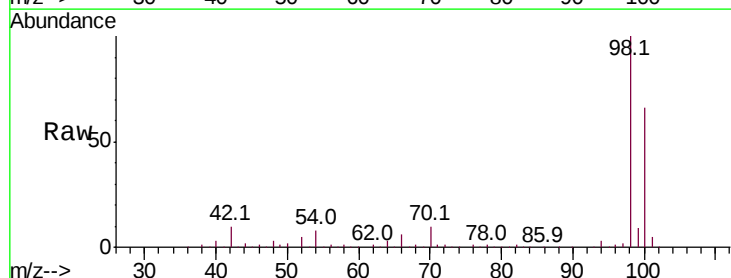
Acq: 17 May 2019 20:42

Tgt Ion: 98 Resp: 668575

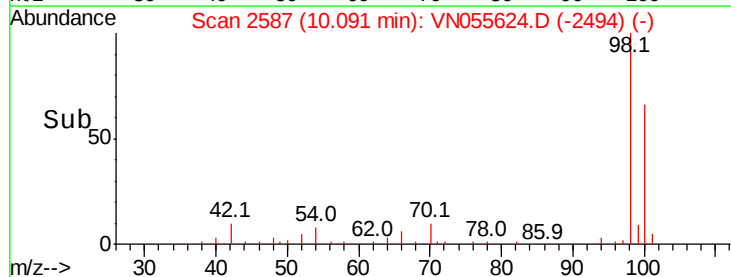
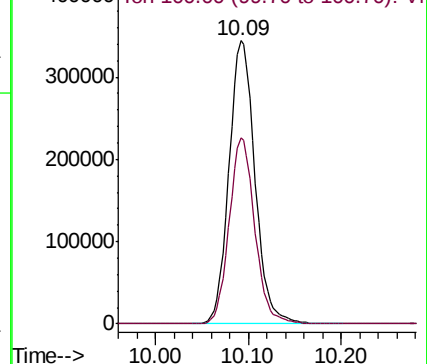
Ion Ratio Lower Upper

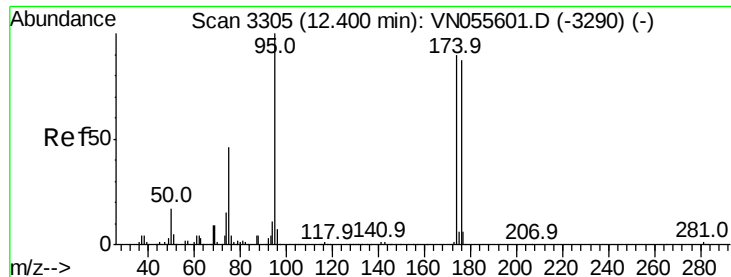
98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055624.D (-2494) (-)





#62

4-Bromofluorobenzene

Concen: 43.911 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

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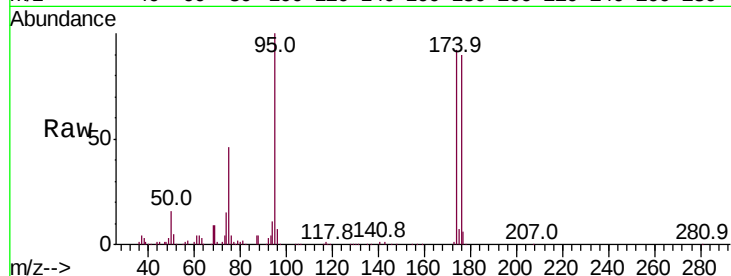
Tot Ion: 95 Resp: 210472

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.6

176 89.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN055601.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN055601.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN055601.D (-3290) (-)

12.40

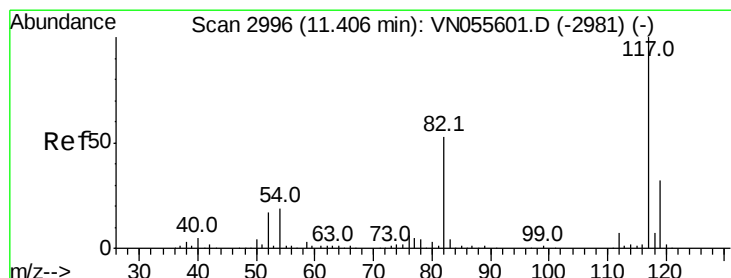
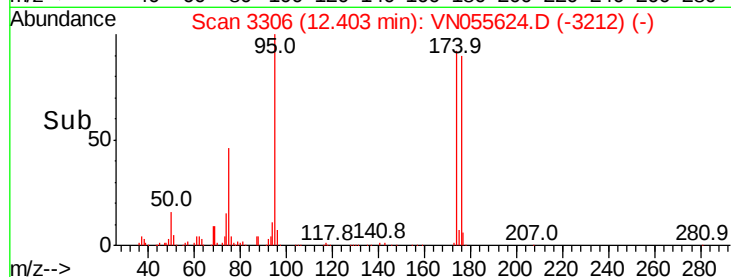
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055624.D

Acq: 17 May 2019 20:42

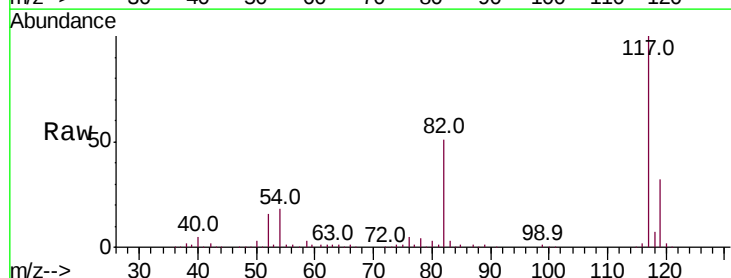
Tgt Ion: 117 Resp: 482712

Ion Ratio Lower Upper

117 100

82 51.4 42.3 63.5

119 31.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN055601.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055601.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055601.D (-2981) (-)

11.41

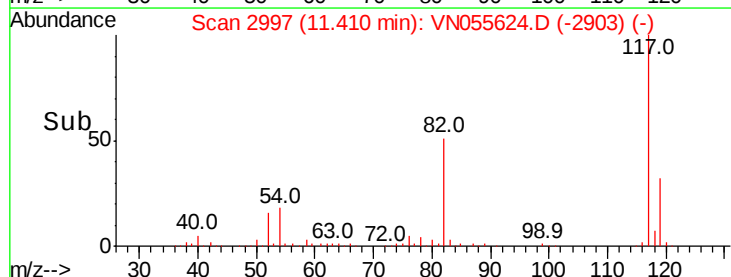
300000

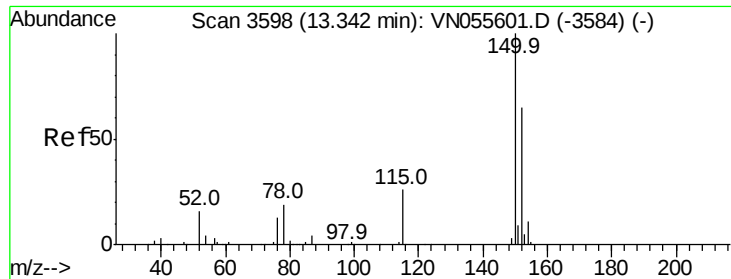
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055624.D

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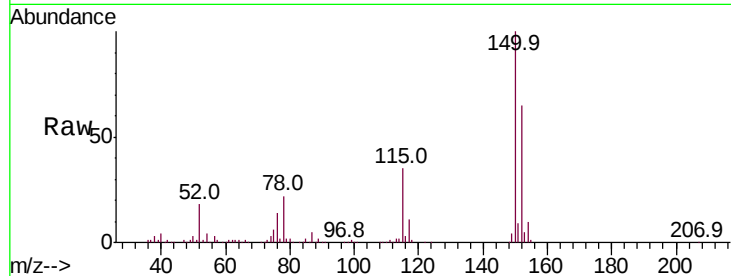
Tot Ion:152 Resp: 185860

Ion Ratio Lower Upper

152 100

115 54.9 28.1 84.2

150 154.4 0.0 348.0



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

