

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059239.D
 Acq On : 14 Nov 2019 17:12
 Operator : JC/SP
 Sample : K5842-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S36-0167

Quant Time: Nov 15 07:58:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

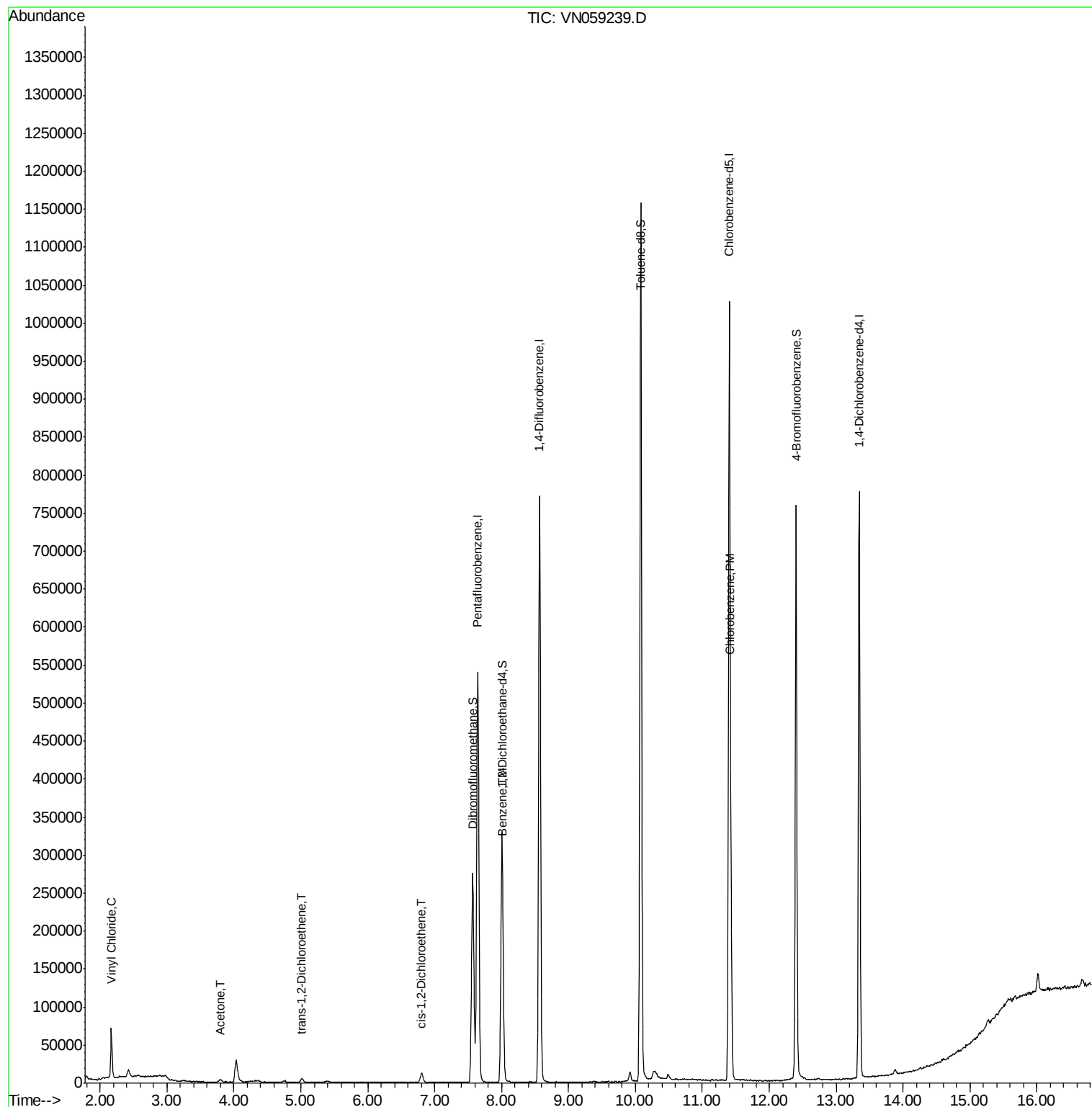
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	444827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	214672	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	275037	50.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.60%	
35) Dibromofluoromethane	7.57	113	214450	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
50) Toluene-d8	10.08	98	820968	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.40	95	263105	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.17	62	60778	10.290	ug/l	97
16) Acetone	3.79	43	5334	1.876	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	3588	0.806	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	8237	1.594	ug/l	88
40) Benzene	8.03	78	16902	0.872	ug/l #	86
65) Chlorobenzene	11.43	112	111196	9.670	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

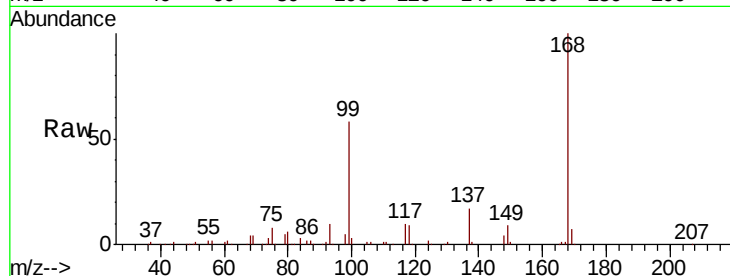
S36-0167

Tot Ion:168 Resp: 444827

Ion Ratio Lower Upper

168 100

99 57.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

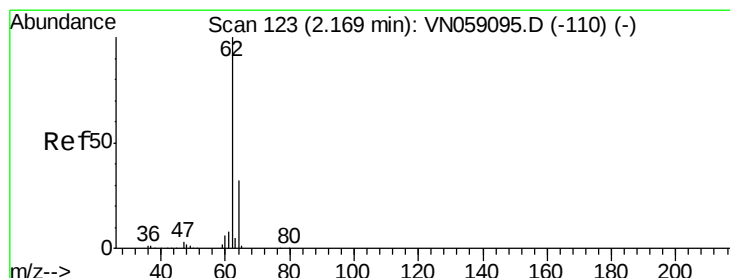
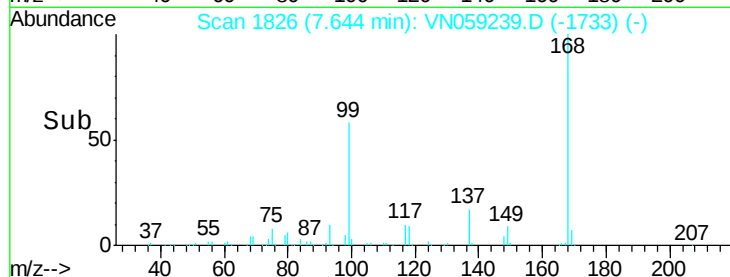
100000

50000

0

7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 10.290 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059239.D

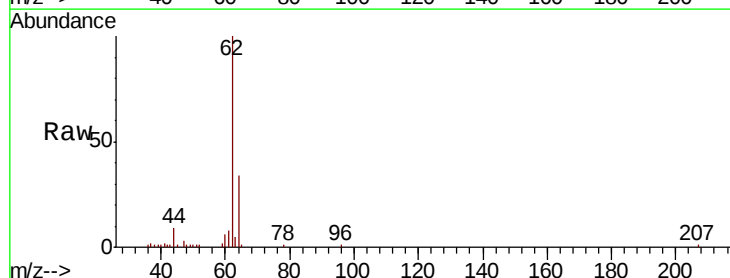
Acq: 14 Nov 2019 17:12

Tgt Ion: 62 Resp: 60778

Ion Ratio Lower Upper

62 100

64 33.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

40000

30000

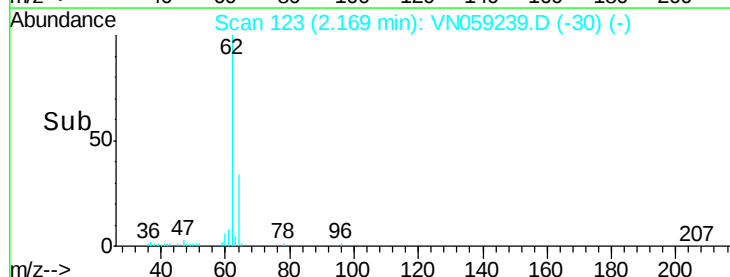
20000

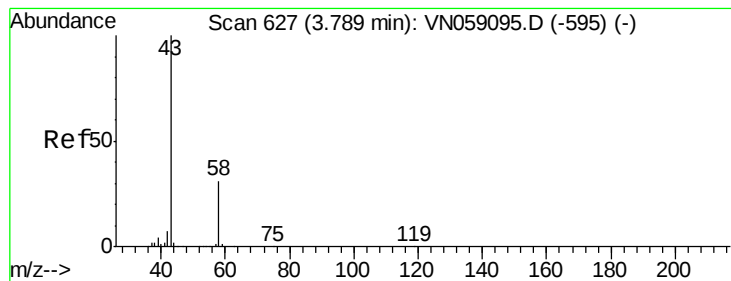
10000

0

2.10 2.15 2.20 2.25

Time-->





#16

Acetone

Concen: 1.876 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

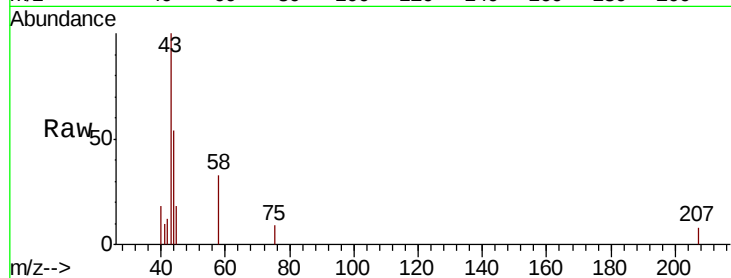
S36-0167

Tot Ion: 43 Resp: 5334

Ion Ratio Lower Upper

43 100

58 33.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

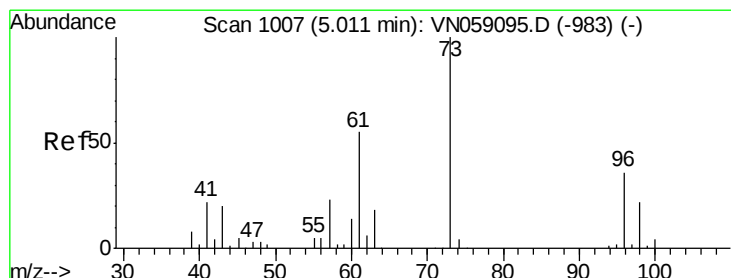
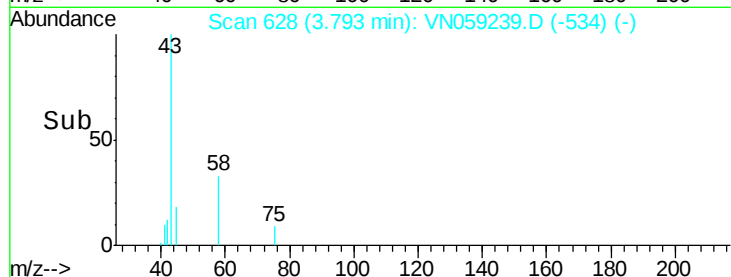
1500

1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90



#21

trans-1,2-Dichloroethene

Concen: 0.806 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

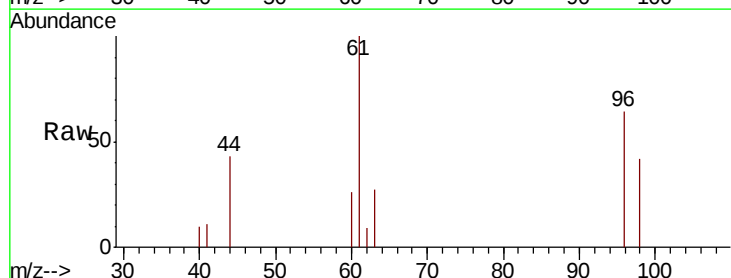
Tgt Ion: 96 Resp: 3588

Ion Ratio Lower Upper

96 100

61 142.1 122.6 183.8

98 65.4 50.3 75.5



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

2000

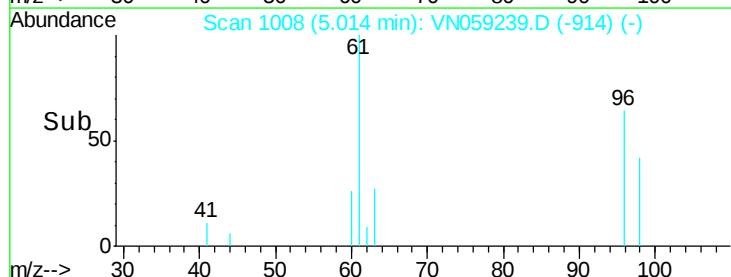
1500

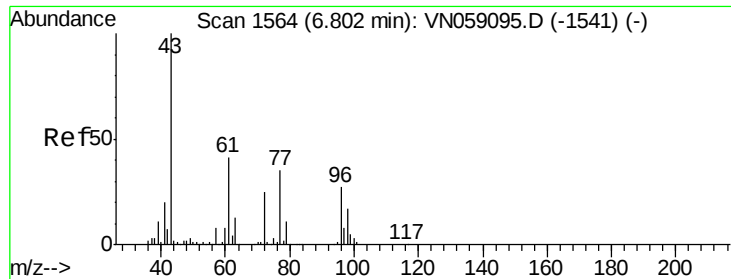
1000

500

0

Time--> 4.95 5.00 5.05 5.10





#27

cis-1,2-Dichloroethene

Concen: 1.594 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

S36-0167

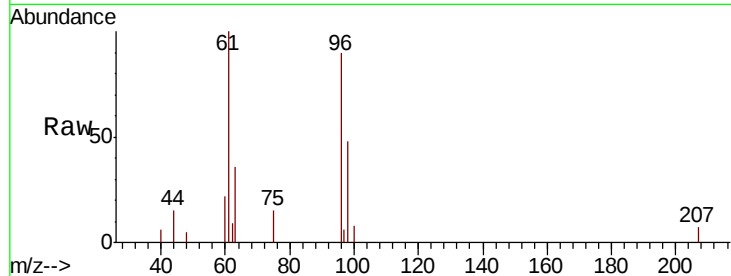
Tot Ion: 96 Resp: 8237

Ion Ratio Lower Upper

96 100

61 133.9 0.0 311.6

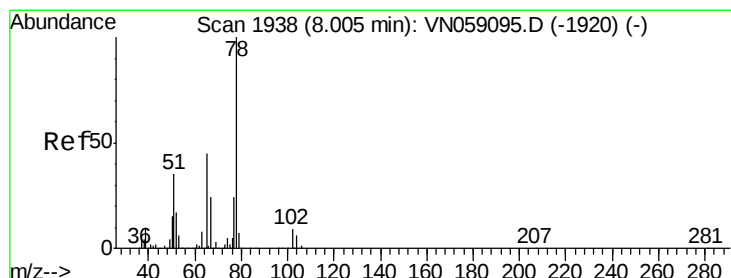
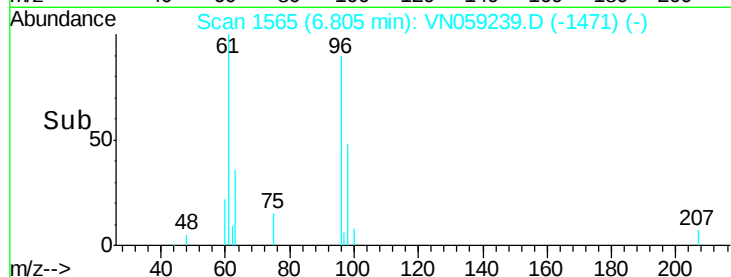
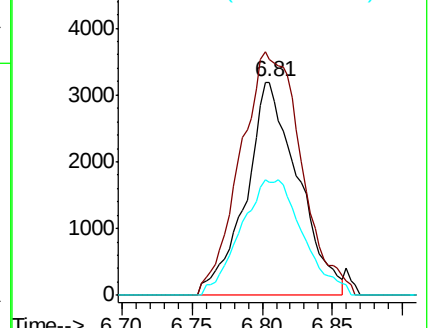
98 64.4 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059239.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059239.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059239.D (-1471) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.299 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059239.D

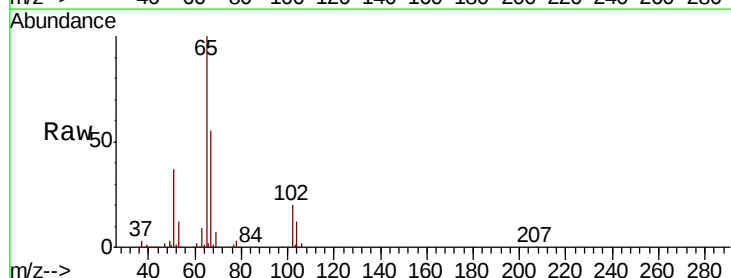
Acq: 14 Nov 2019 17:12

Tgt Ion: 65 Resp: 275037

Ion Ratio Lower Upper

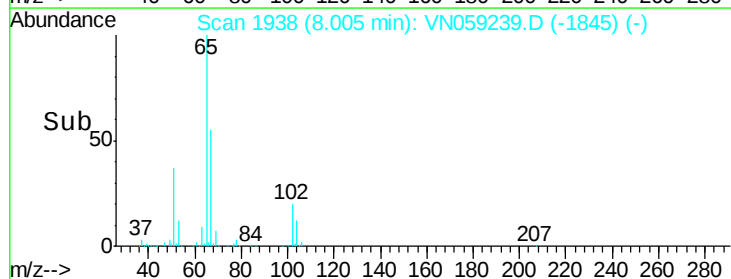
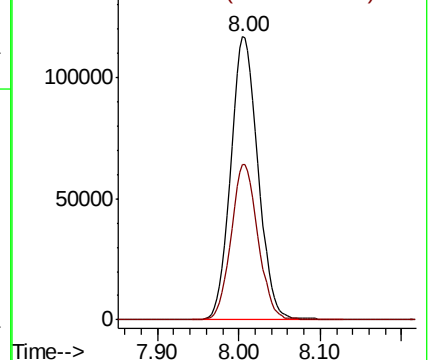
65 100

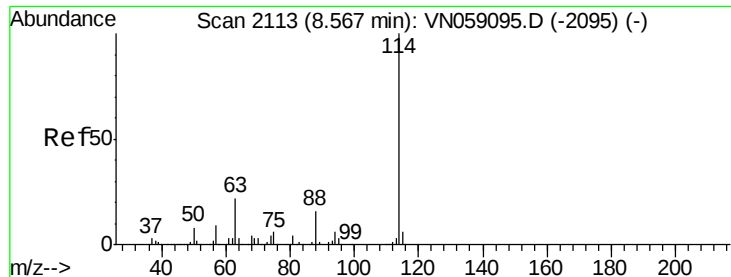
67 54.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059239.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059239.D (-1845) (-)

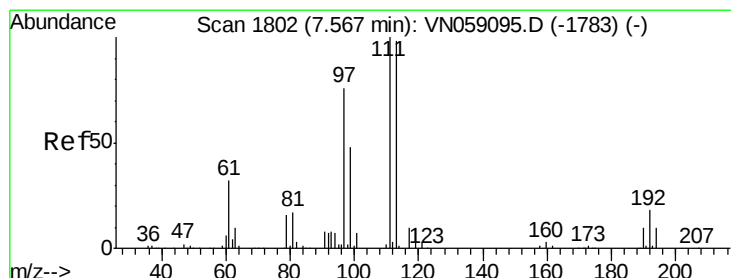
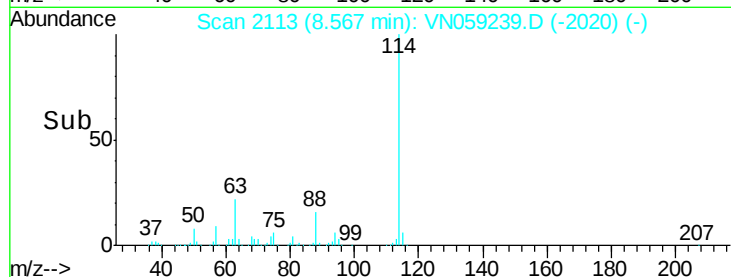
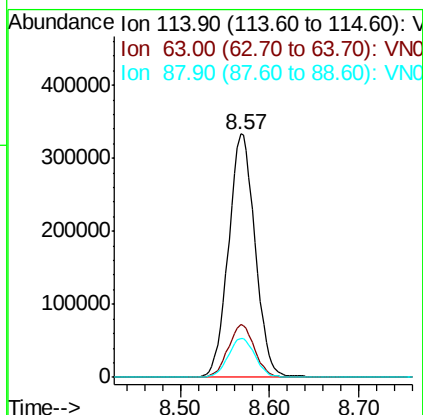
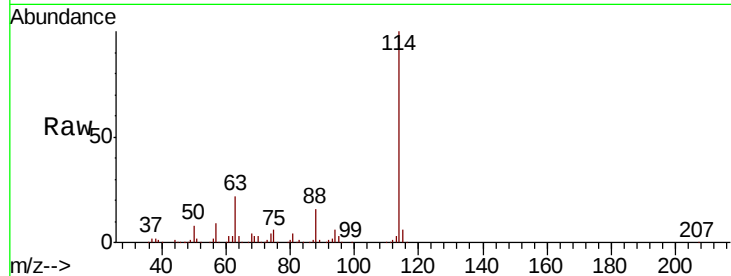




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059239.D
 Acq: 14 Nov 2019 17:12

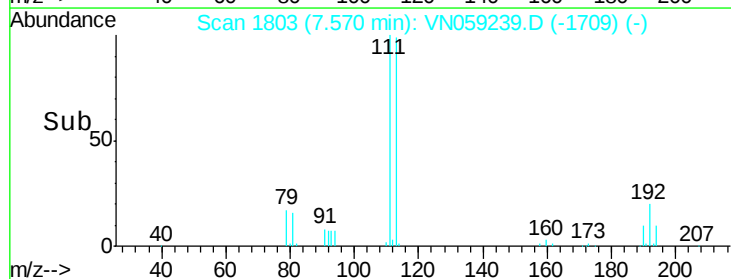
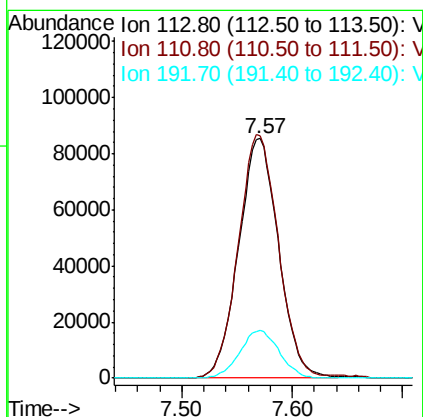
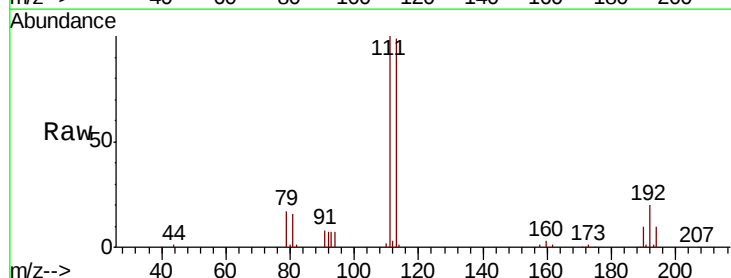
Instrument :
 MSVOA_N
 ClientSampleId :
 S36-0167

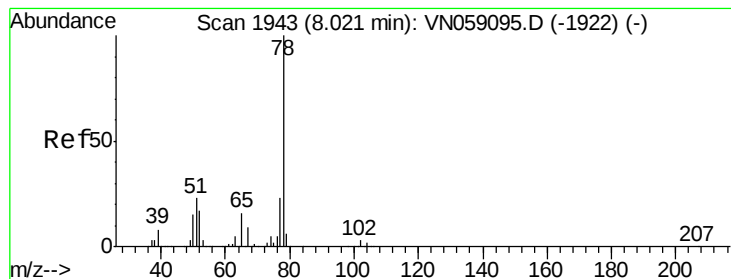
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.4
88	16.2	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 52.139 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059239.D
 Acq: 14 Nov 2019 17:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.8	124.2
192	19.7	16.1	24.1





#40

Benzene

Concen: 0.872 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

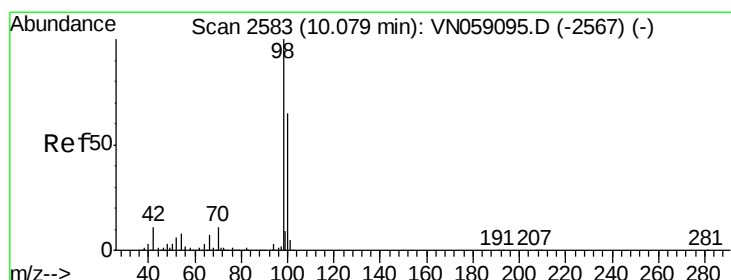
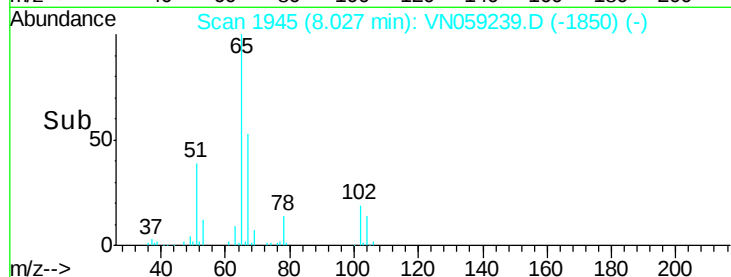
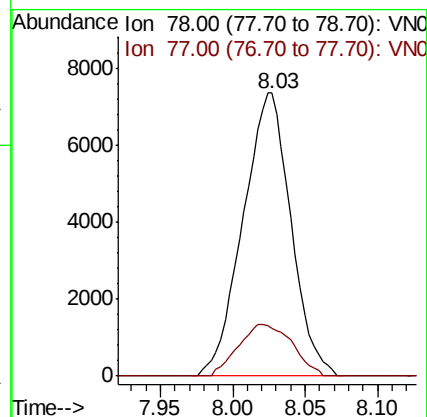
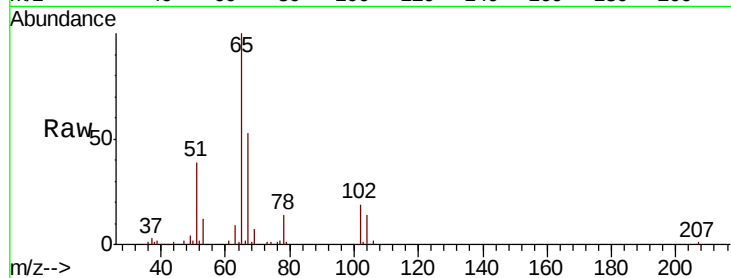
S36-0167

Tot Ion: 78 Resp: 16902

Ion Ratio Lower Upper

78 100

77 16.9 18.8 28.2#



#50

Toluene-d8

Concen: 50.674 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059239.D

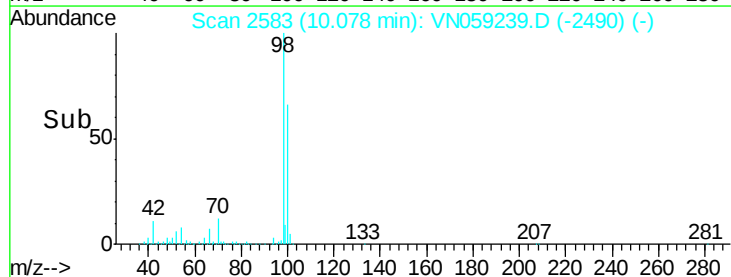
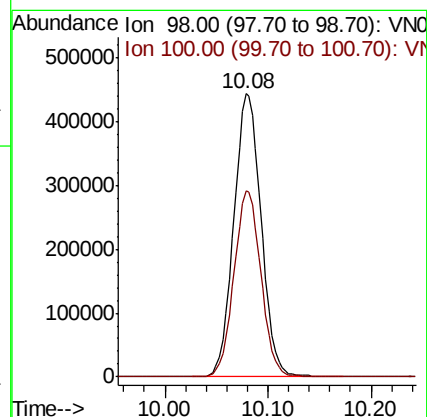
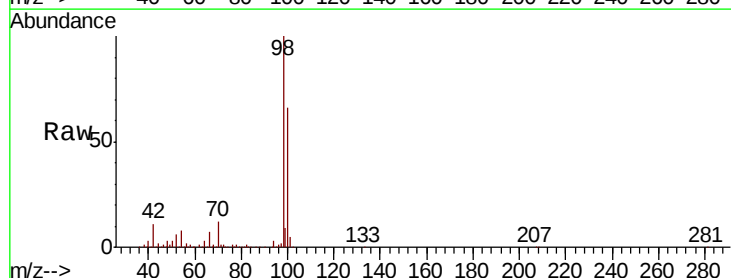
Acq: 14 Nov 2019 17:12

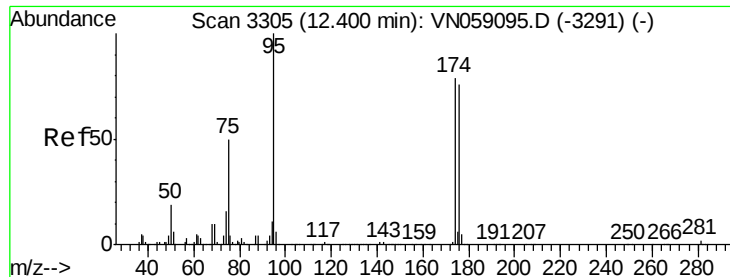
Tgt Ion: 98 Resp: 820968

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 45.041 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

S36-0167

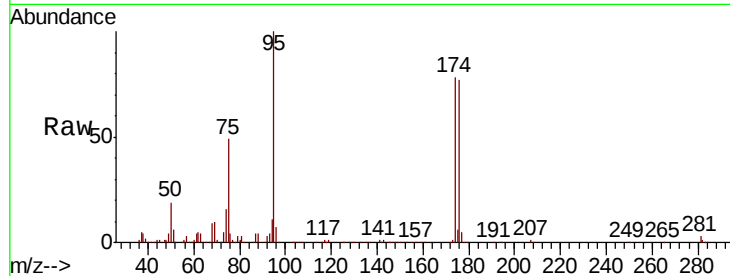
Tot Ion: 95 Resp: 263105

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.2

176 76.7 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

200000

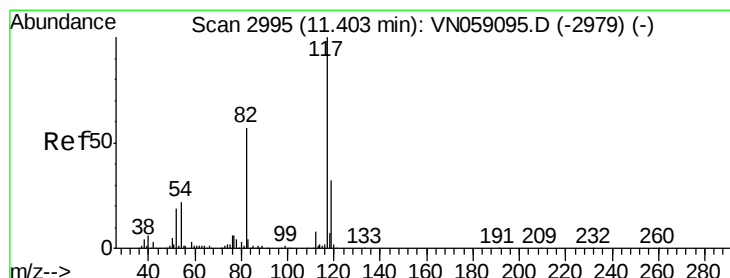
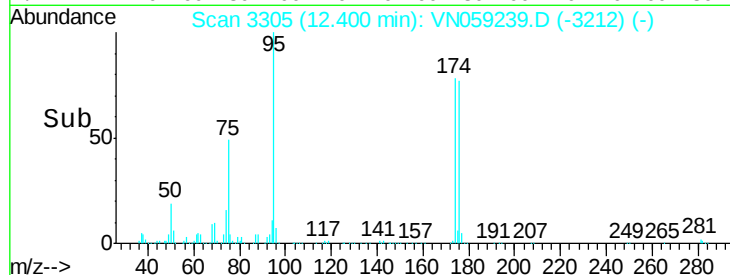
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

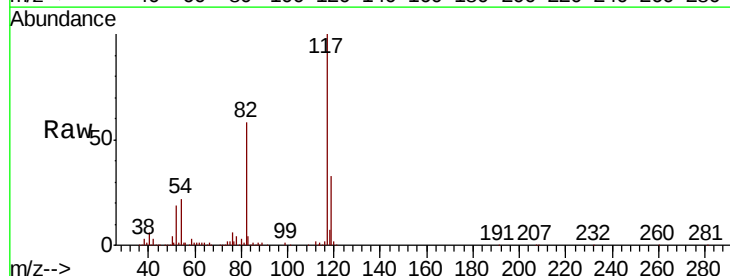
Tgt Ion: 117 Resp: 589903

Ion Ratio Lower Upper

117 100

82 58.1 45.8 68.8

119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.40

400000

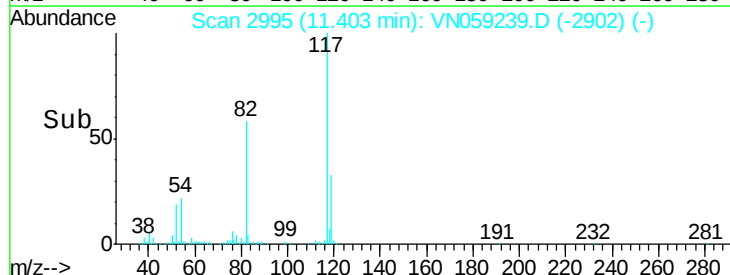
300000

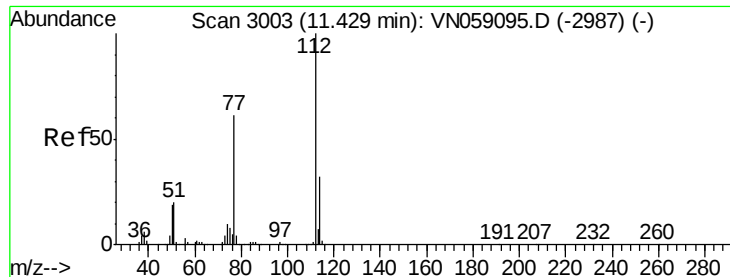
200000

100000

0

Time--> 11.30 11.40 11.50





#65

Chlorobenzene

Concen: 9.670 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059239.D

Acq: 14 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

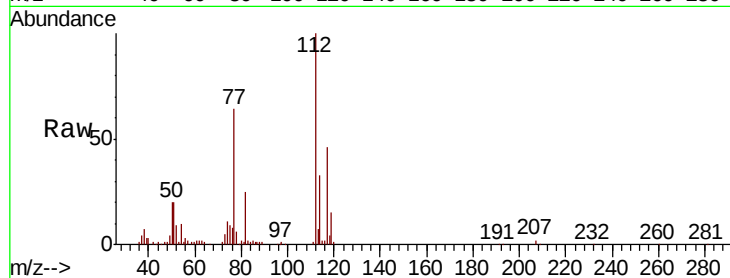
S36-0167

Tot Ion:112 Resp: 111196

Ion Ratio Lower Upper

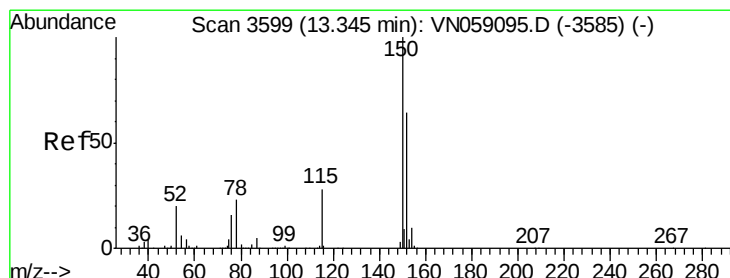
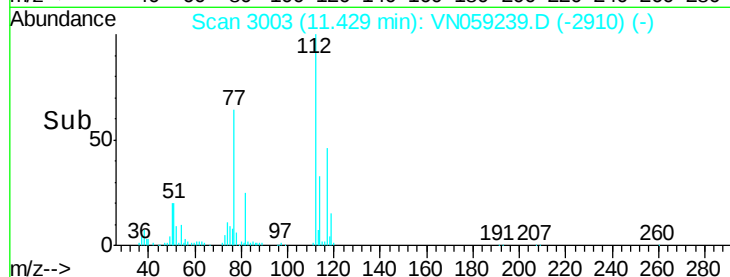
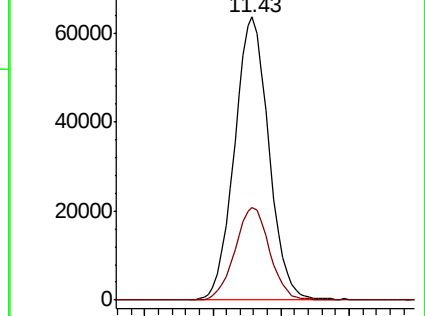
112 100

114 32.9 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VN059239.D

Acq: 14 Nov 2019 17:12

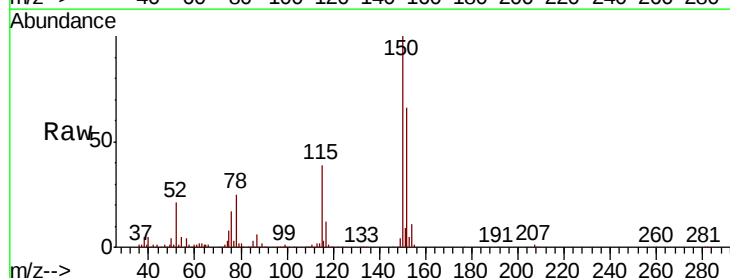
Tgt Ion:152 Resp: 214672

Ion Ratio Lower Upper

152 100

115 59.6 29.4 88.2

150 155.8 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

