

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056192.D
 Acq On : 11 Jun 2019 1:49
 Operator : JC/SP
 Sample : K3223-03DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0532-190605DL

Quant Time: Jun 11 05:22:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

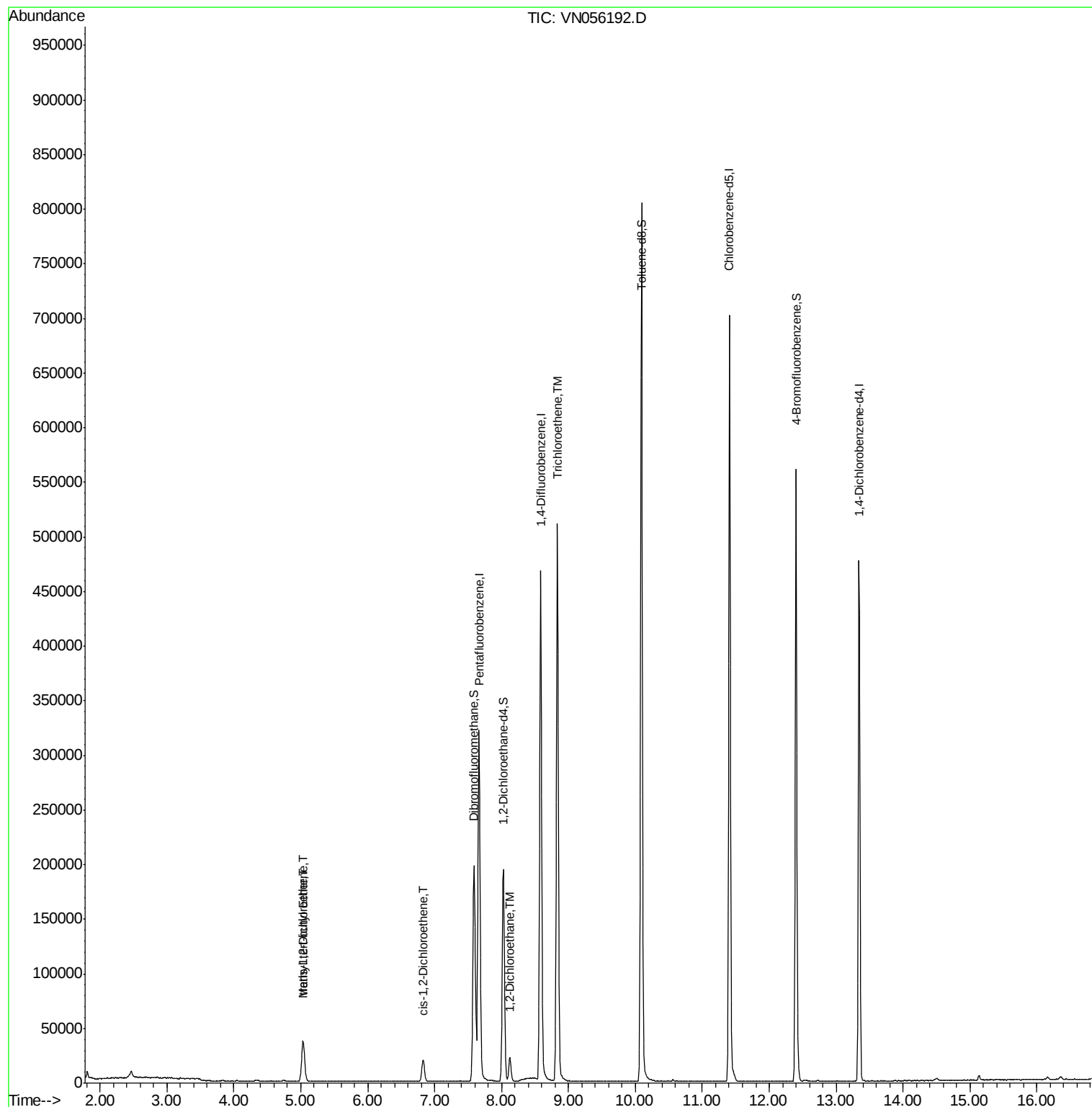
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	308685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	460247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	162238	52.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.86%	
35) Dibromofluoromethane	7.59	113	152690	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.14%	
50) Toluene-d8	10.09	98	597743	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.40	95	193147	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
Target Compounds						
19) Methyl tert-butyl Ether	5.05	73	6135	0.743	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	25132	9.052	ug/l	90
27) cis-1,2-Dichloroethene	6.82	96	14329	4.390	ug/l	91
42) 1,2-Dichloroethane	8.12	62	21771	5.631	ug/l	98
44) Trichloroethene	8.83	130	210331	60.897	ug/l	99

(#) = 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: VN056192.D

Acq: 11 Jun 2019 1:49

Instrument :

MSVOA_N

ClientSampleId :

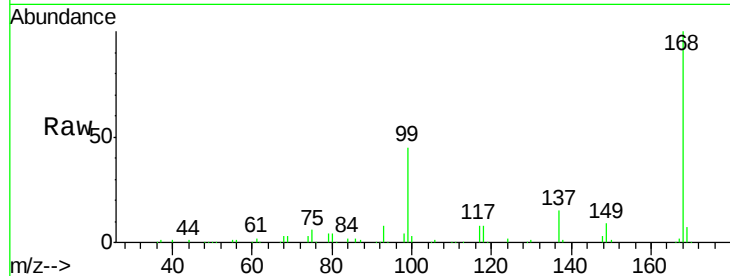
DUP-0532-190605DL

Tot Ion:168 Resp: 308685

Ion Ratio Lower Upper

168 100

99 45.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

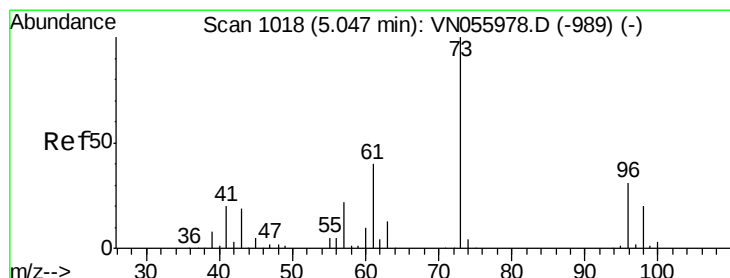
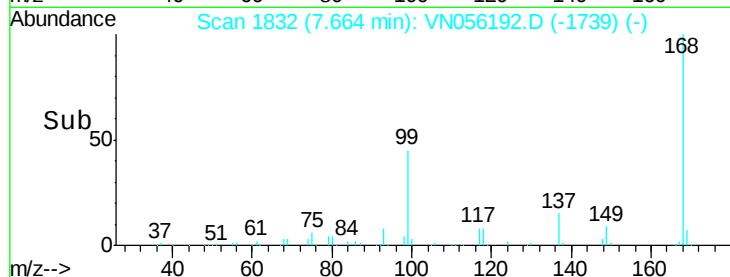
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#19

Methyl tert-butyl Ether

Concen: 0.743 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056192.D

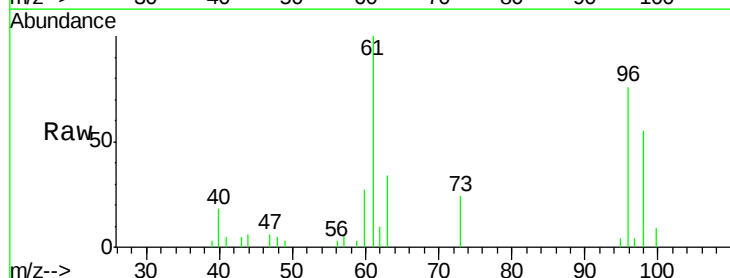
Acq: 11 Jun 2019 1:49

Tgt Ion: 73 Resp: 6135

Ion Ratio Lower Upper

73 100

57 24.9 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

5.05

2000

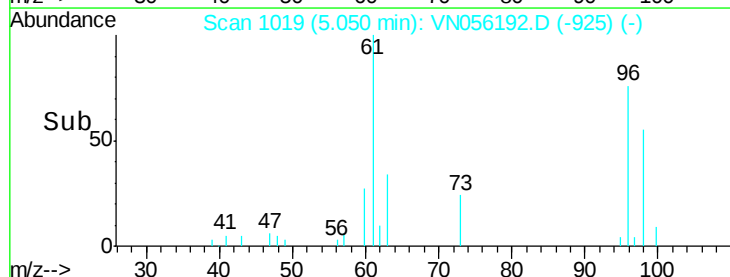
1500

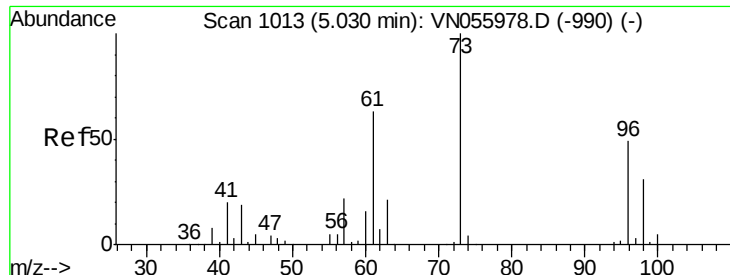
1000

500

0

Time--> 4.95 5.00 5.05 5.10 5.15





#21

trans-1,2-Dichloroethene

Concen: 9.052 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN056192.D

Acq: 11 Jun 2019 1:49

Instrument :

MSVOA_N

ClientSampleId :

DUP-0532-190605DL

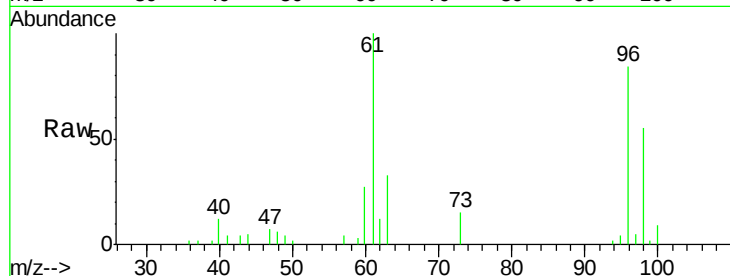
Tot Ion: 96 Resp: 25132

Ion Ratio Lower Upper

96 100

61 118.8 107.8 161.8

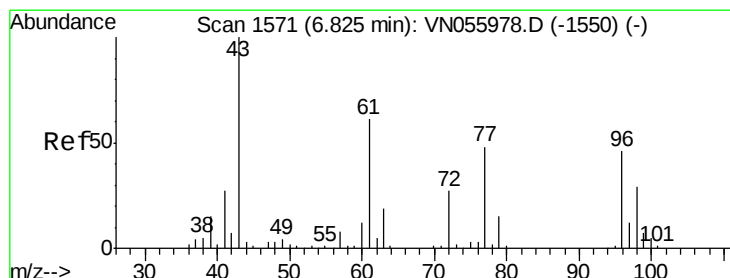
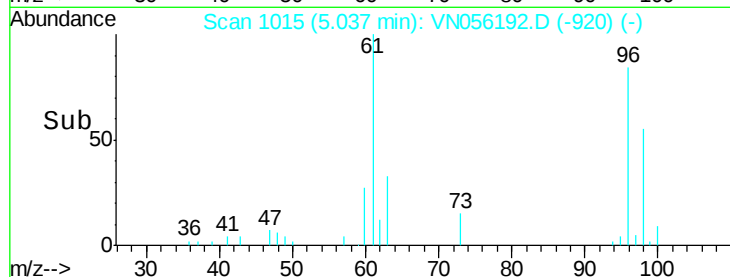
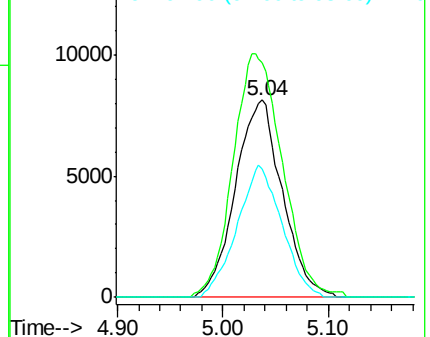
98 64.9 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-990) (-)



#27

cis-1,2-Dichloroethene

Concen: 4.390 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056192.D

Acq: 11 Jun 2019 1:49

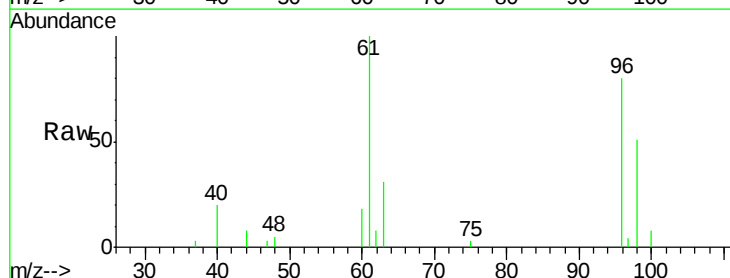
Tgt Ion: 96 Resp: 14329

Ion Ratio Lower Upper

96 100

61 122.5 0.0 275.8

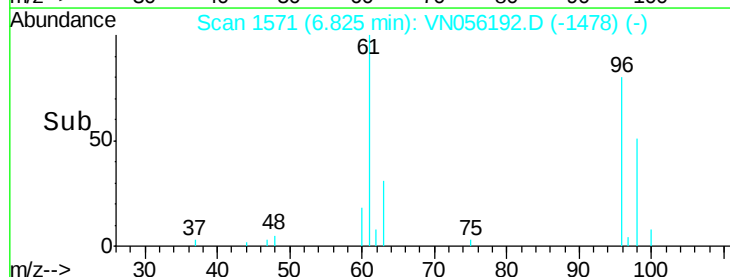
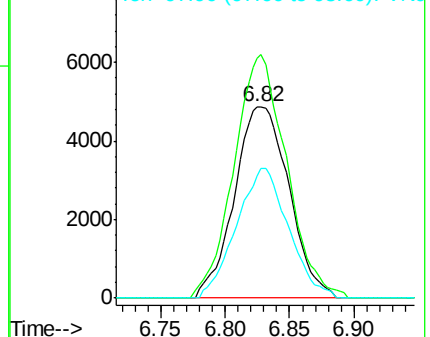
98 64.6 0.0 128.4

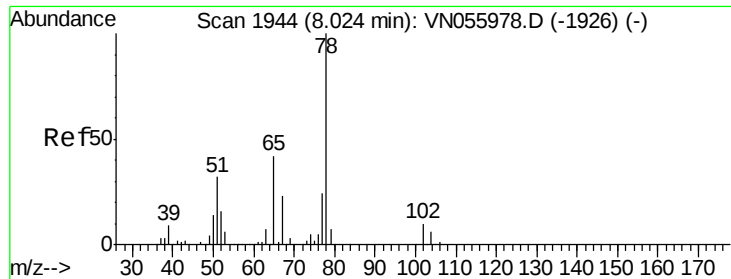


Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1550) (-)

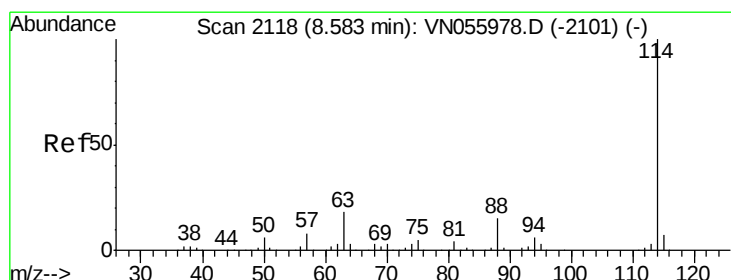
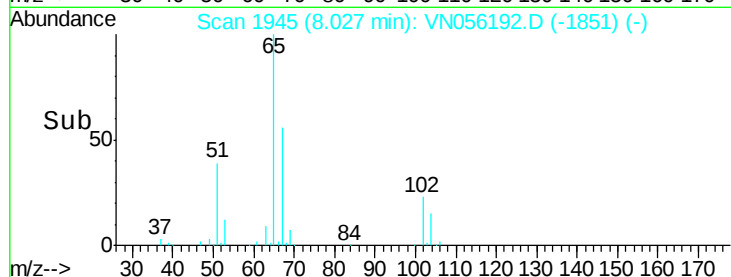
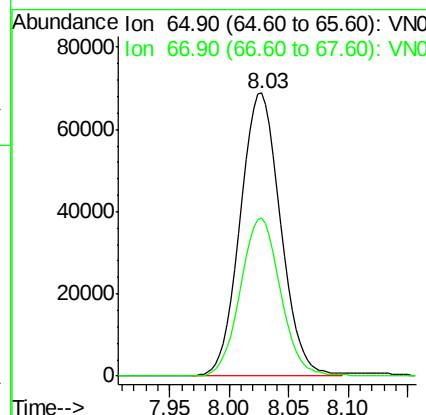
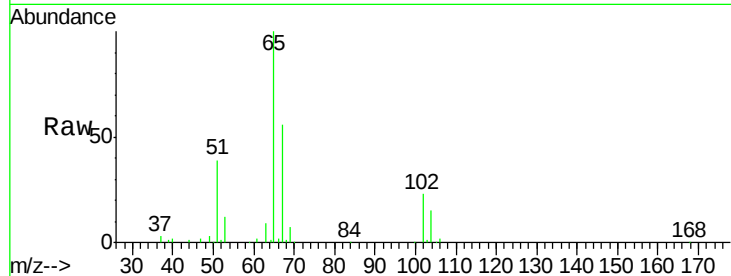




#33
 1,2-Dichloroethane-d4
 Concen: 52.933 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056192.D
 Acq: 11 Jun 2019 1:49

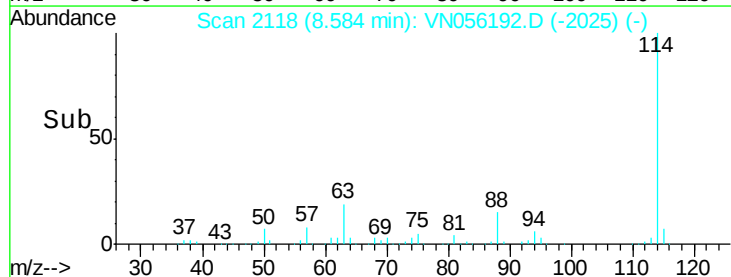
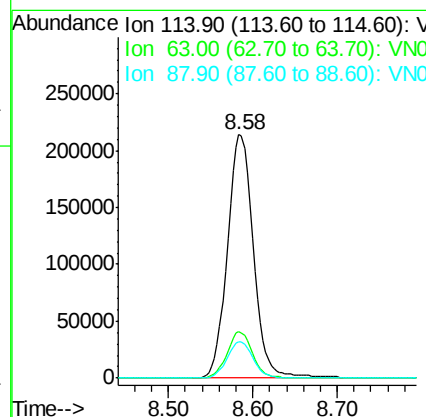
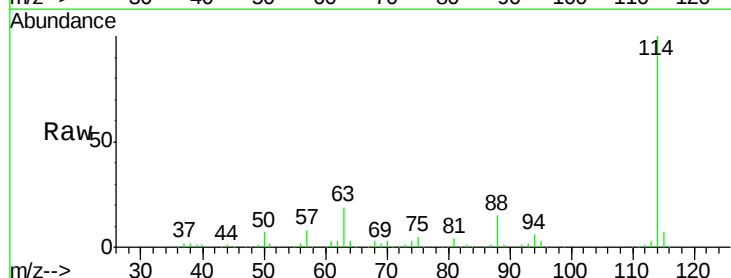
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0532-190605DL

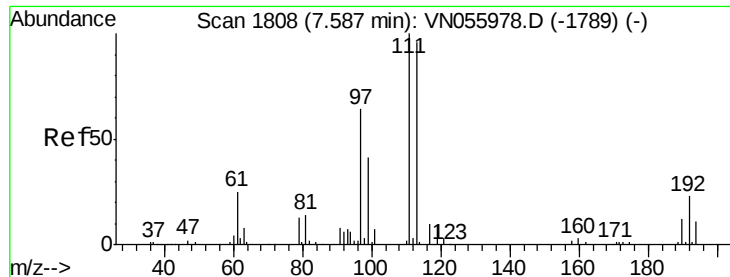
Tot Ion: 65 Resp: 162238
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056192.D
 Acq: 11 Jun 2019 1:49

Tgt Ion: 114 Resp: 460247
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 14.9 0.0 31.0

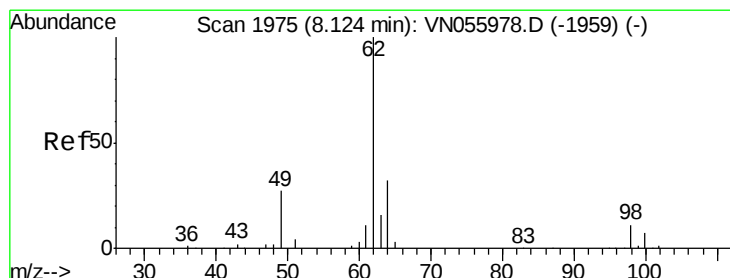
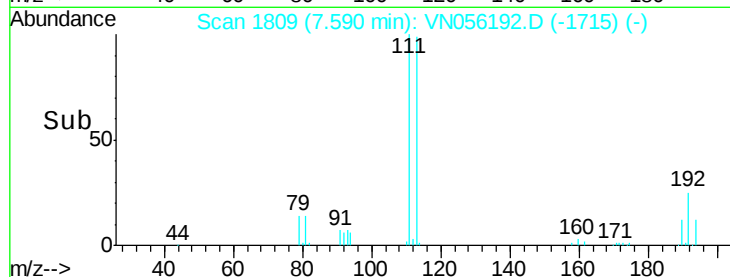
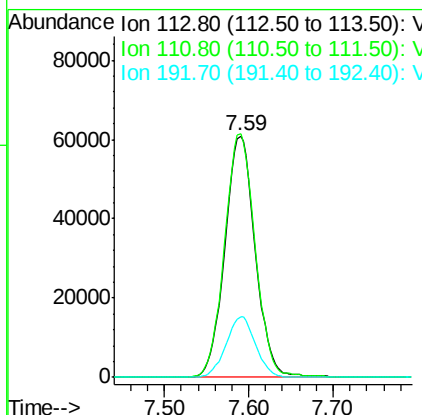
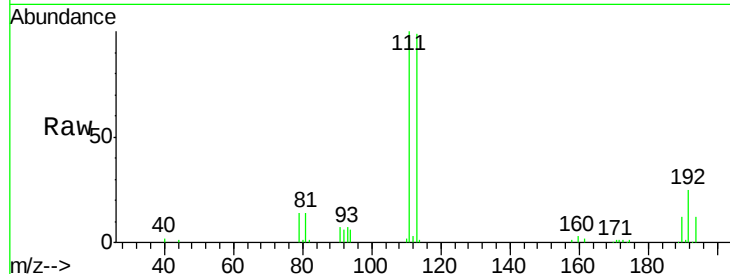




#35
 Dibromofluoromethane
 Concen: 54.073 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056192.D
 Acq: 11 Jun 2019 1:49

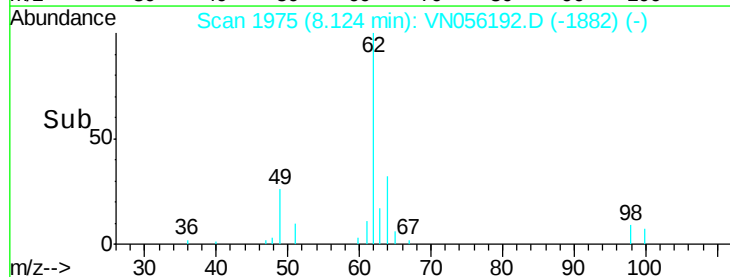
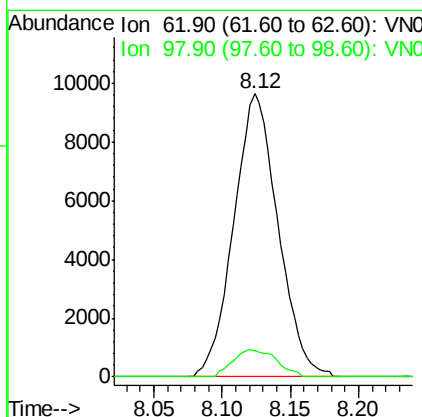
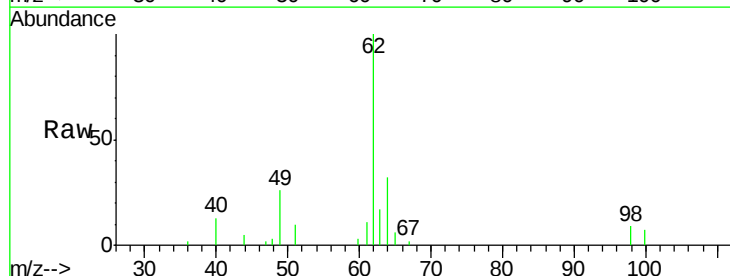
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0532-190605DL

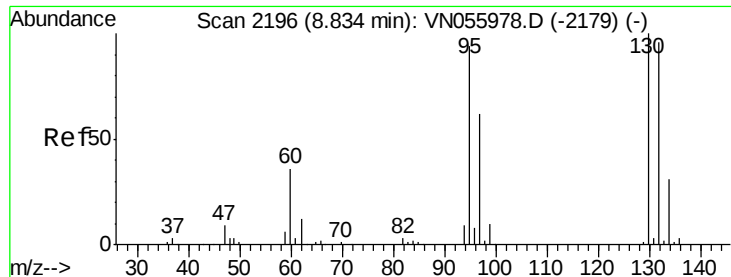
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	24.3	19.5	29.3



#42
 1,2-Dichloroethane
 Concen: 5.631 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN056192.D
 Acq: 11 Jun 2019 1:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.2

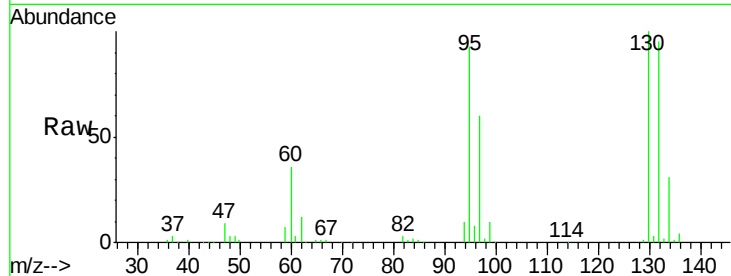




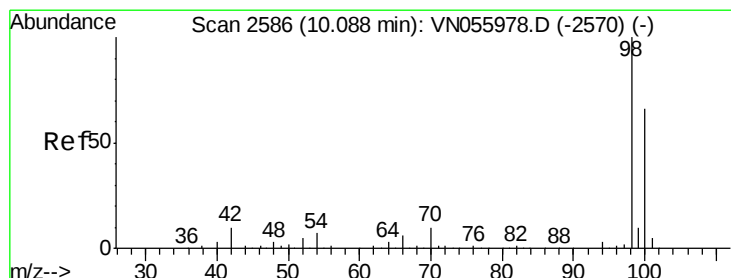
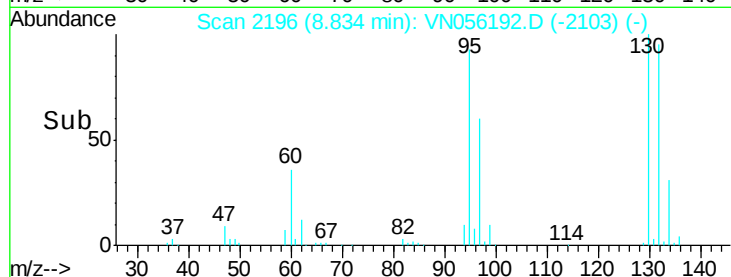
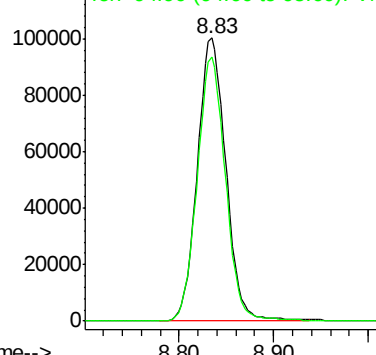
#44
 Trichloroethene
 Concen: 60.897 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056192.D
 Acq: 11 Jun 2019 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0532-190605DL

Tot Ion:130 Resp: 210331
 Ion Ratio Lower Upper
 130 100
 95 93.5 0.0 188.0

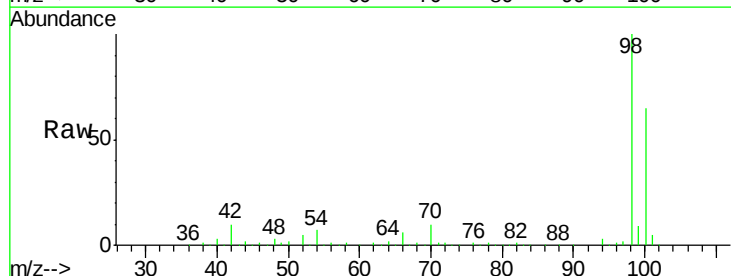


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

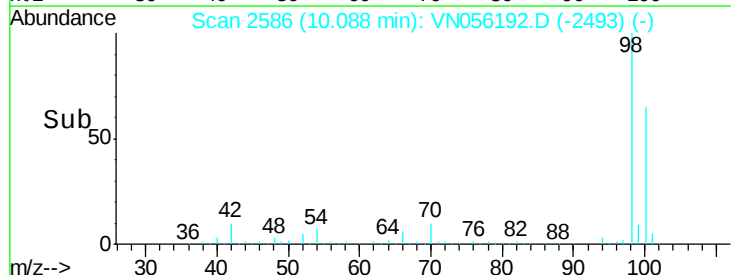
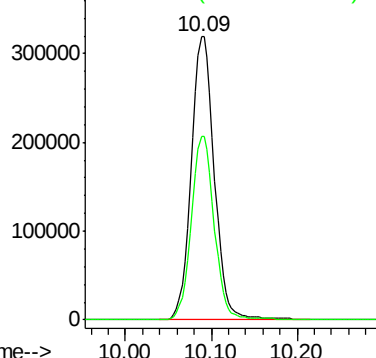


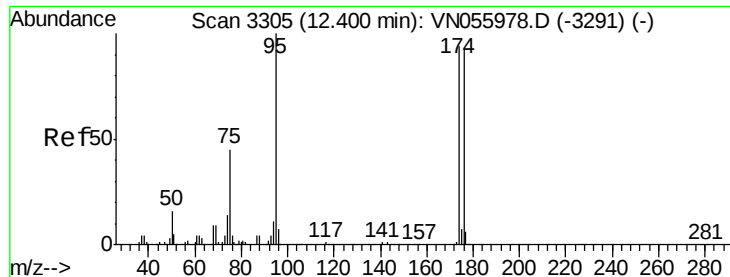
#50
 Toluene-d8
 Concen: 55.011 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056192.D
 Acq: 11 Jun 2019 1:49

Tgt Ion: 98 Resp: 597743
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 52.269 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056192.D

Acq: 11 Jun 2019 1:49

Instrument :

MSVOA_N

ClientSampleId :

DUP-0532-190605DL

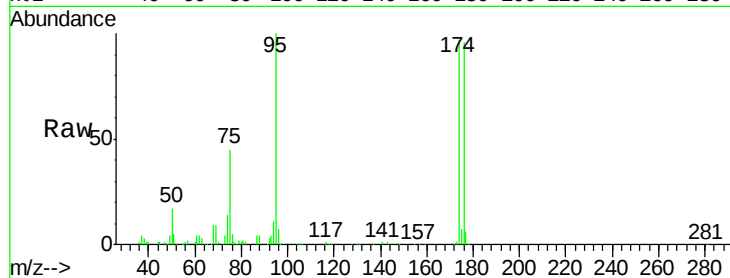
Tot Ion: 95 Resp: 193147

Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

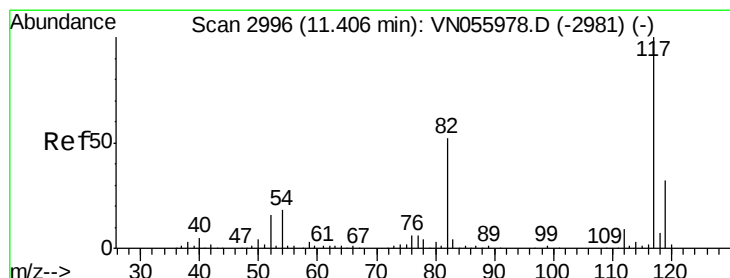
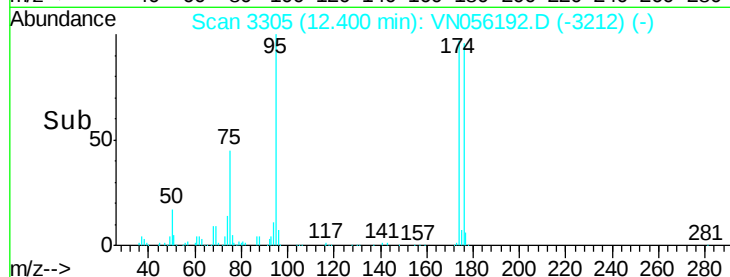
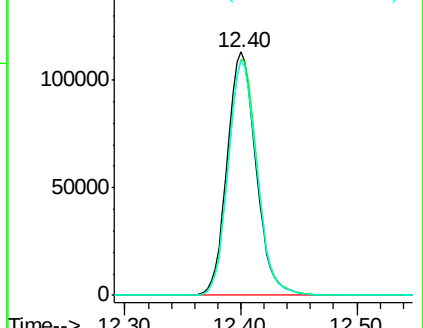
176 95.7 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056192.D

Acq: 11 Jun 2019 1:49

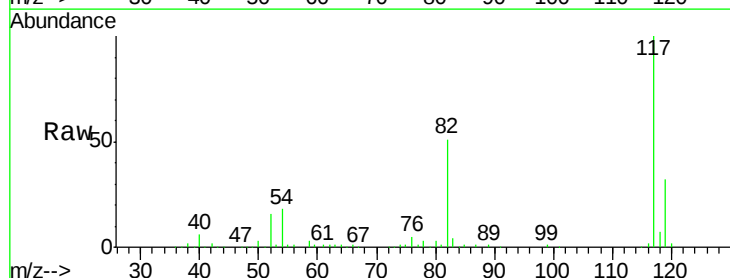
Tgt Ion: 117 Resp: 454590

Ion Ratio Lower Upper

117 100

82 50.9 41.8 62.8

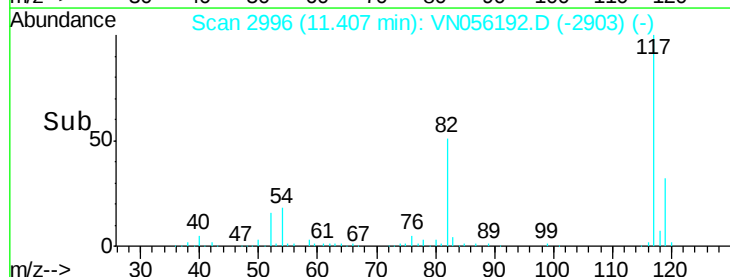
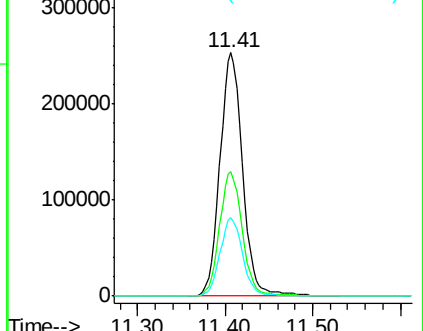
119 32.0 25.4 38.0

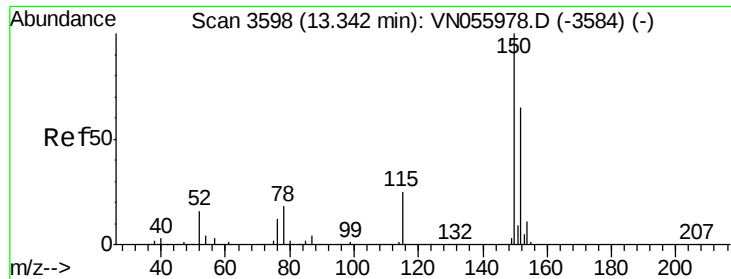


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056192.D

Acq: 11 Jun 2019 1:49

Instrument :

MSVOA_N

ClientSampleId :

DUP-0532-190605DL

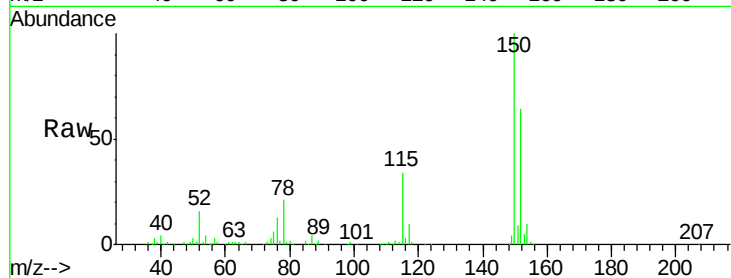
Tot Ion:152 Resp: 149022

Ion Ratio Lower Upper

152 100

115 52.0 27.0 81.0

150 156.2 0.0 343.2



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

