

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058976.D
 Acq On : 25 Oct 2019 11:04
 Operator : JC/SP
 Sample : K5542-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EQUIPMENT-BLANK-102419

Quant Time: Oct 25 23:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

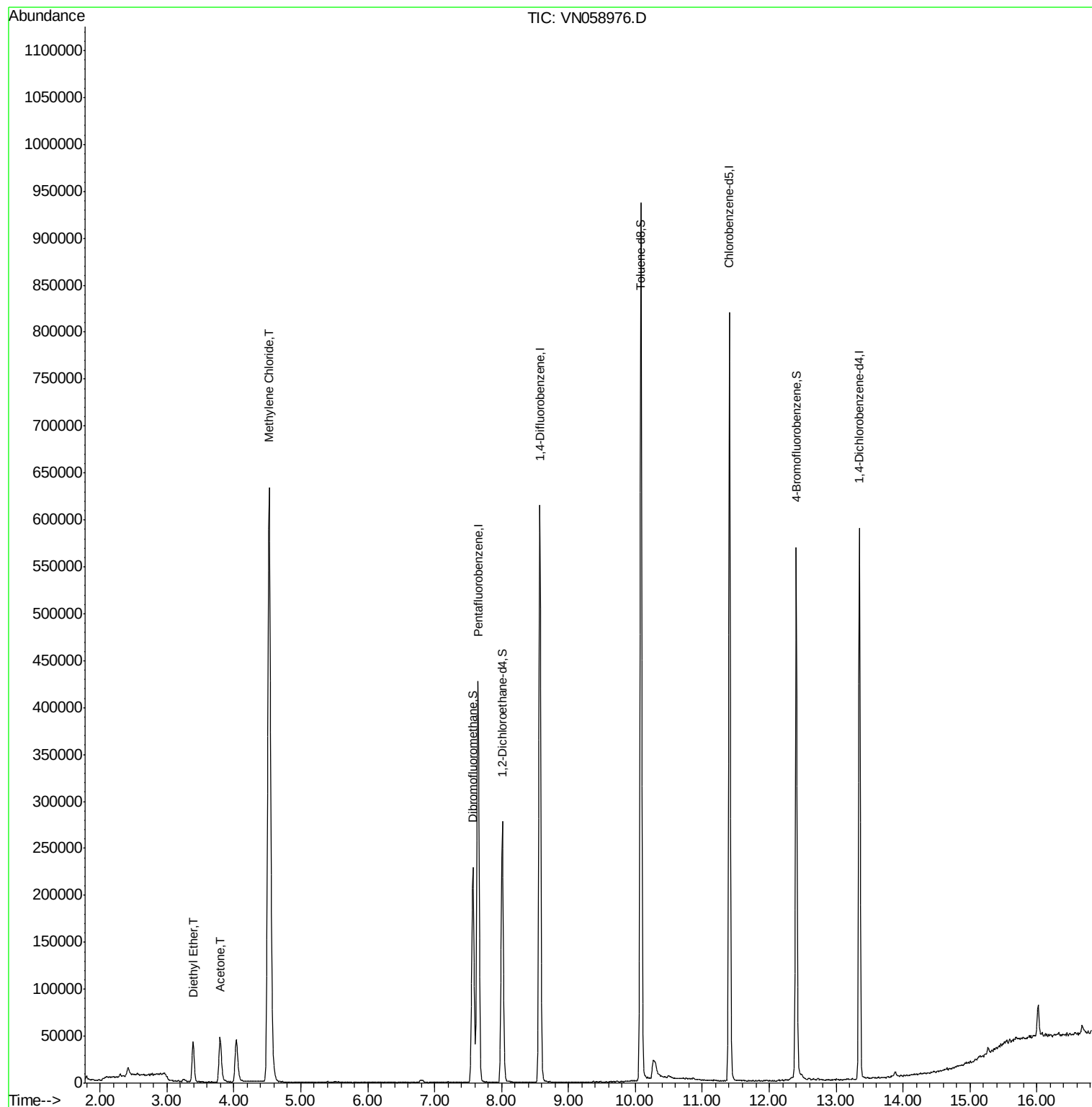
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	333726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	522429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	151062	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	244944	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
35) Dibromofluoromethane	7.57	113	175102	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.08	98	650131	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	193148	39.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.90%	
Target Compounds						
8) Diethyl Ether	3.39	74	19268	8.807	ug/l	95
16) Acetone	3.79	43	81575	33.728	ug/l	100
20) Methylene Chloride	4.53	84	472151	114.326	ug/l	99

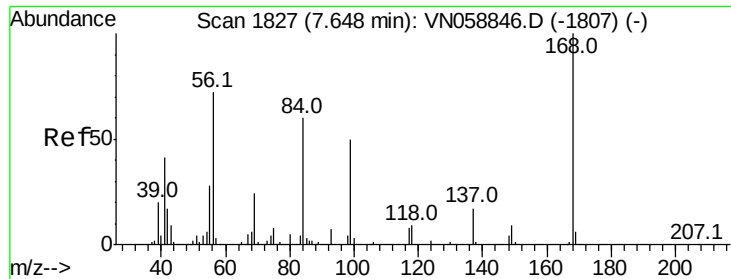
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

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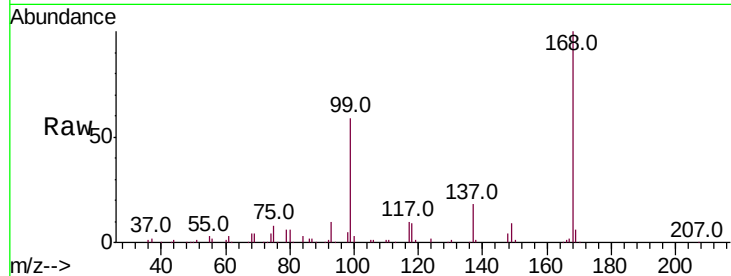
EQUIPMENT-BLANK-102419

Tot Ion:168 Resp: 333726

Ion Ratio Lower Upper

168 100

99 58.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

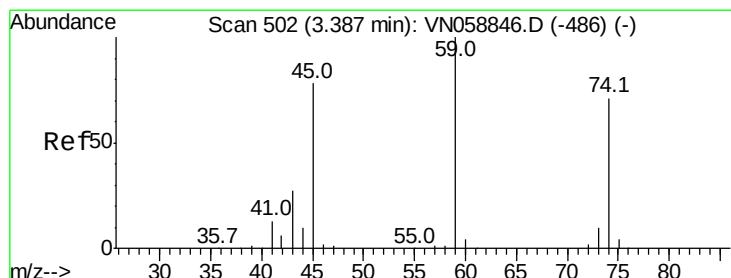
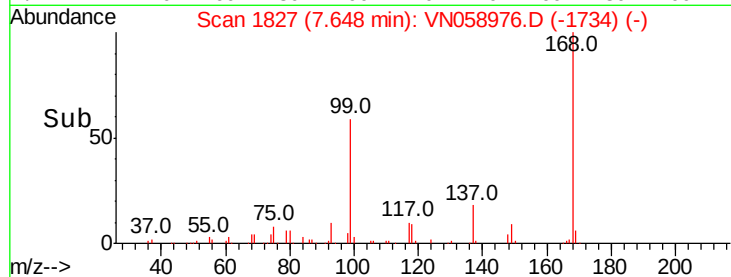
100000

50000

0

7.60 7.70

Time-->



#8

Diethyl Ether

Concen: 8.807 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN058976.D

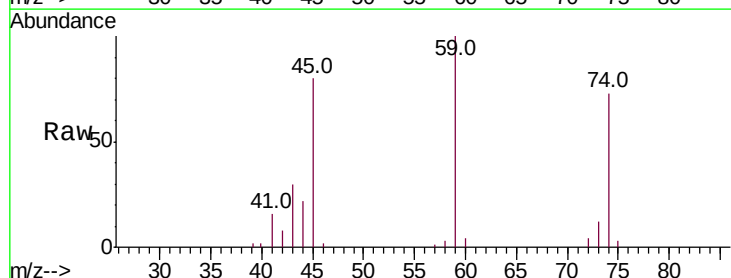
Acq: 25 Oct 2019 11:04

Tgt Ion: 74 Resp: 19268

Ion Ratio Lower Upper

74 100

45 114.7 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.39

12000

10000

8000

6000

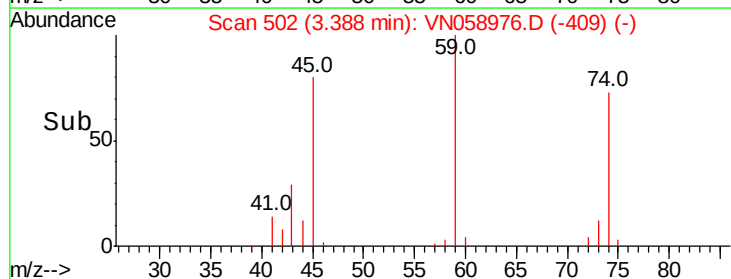
4000

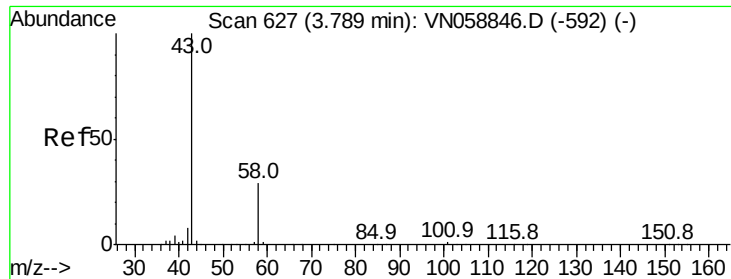
2000

0

3.30 3.35 3.40 3.45

Time-->





#16

Acetone

Concen: 33.728 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

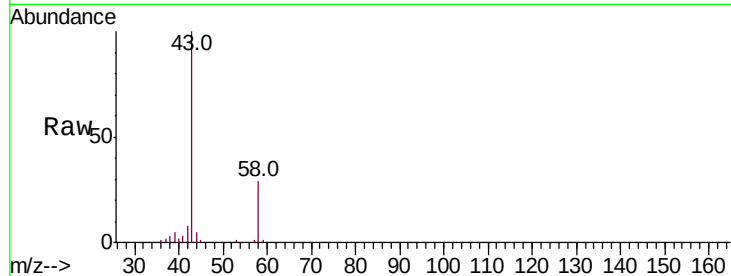
EQUIPMENT-BLANK-102419

Tot Ion: 43 Resp: 81575

Ion Ratio Lower Upper

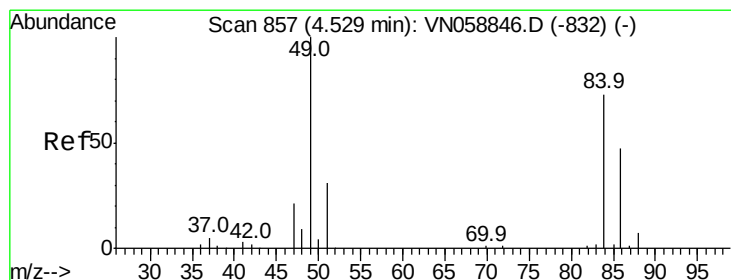
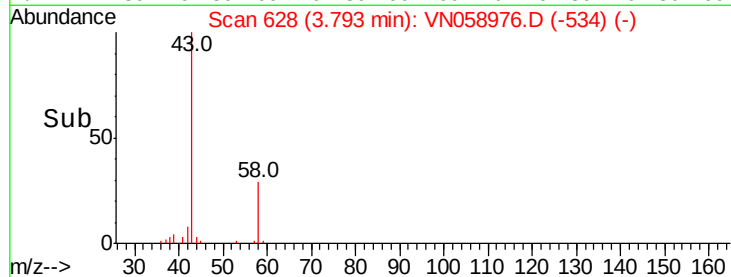
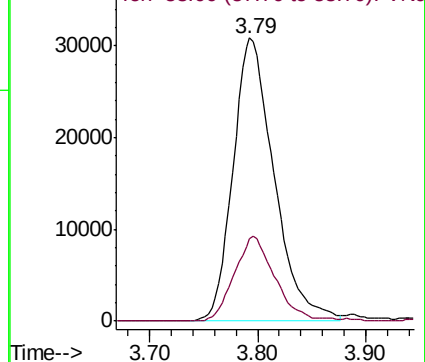
43 100

58 29.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#20

Methylene Chloride

Concen: 114.326 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

Tgt Ion: 84 Resp: 472151

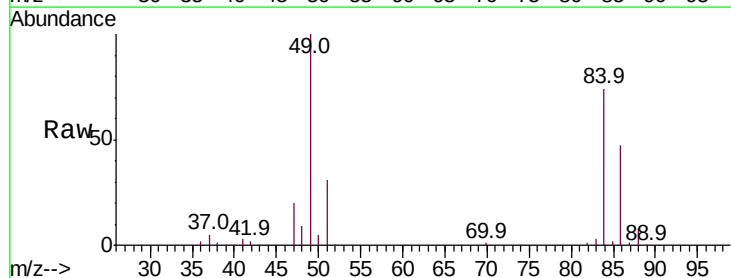
Ion Ratio Lower Upper

84 100

49 135.0 109.6 164.4

51 41.3 33.8 50.6

86 63.9 51.5 77.3

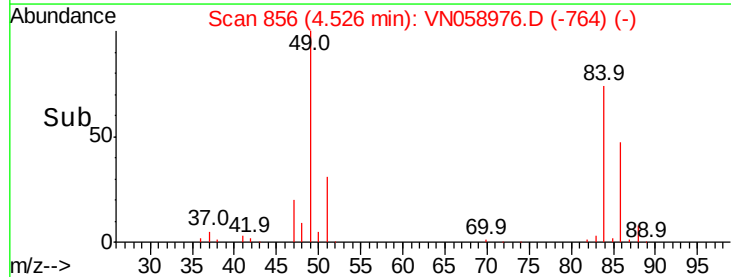
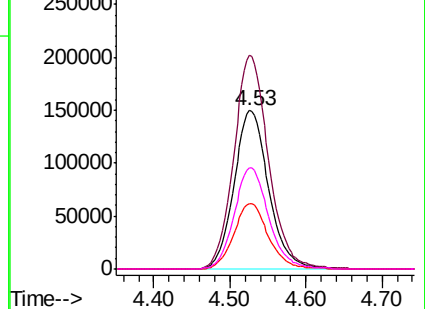


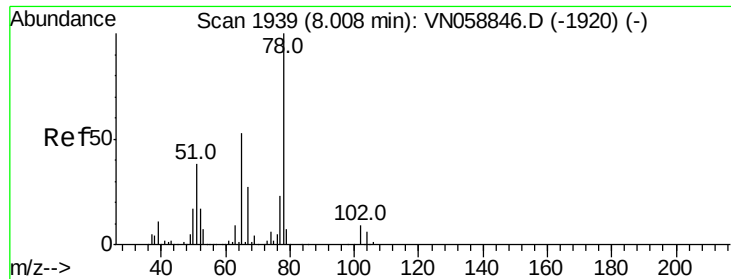
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 50.044 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

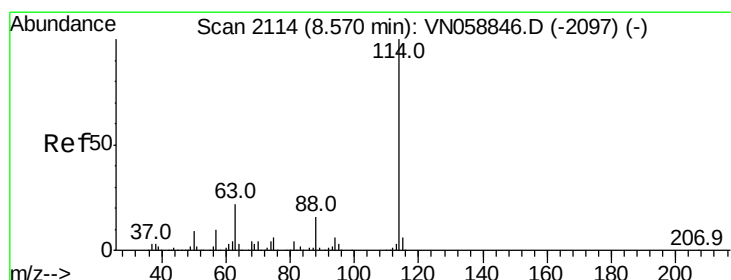
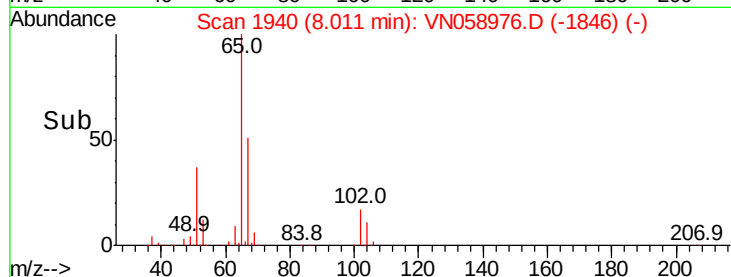
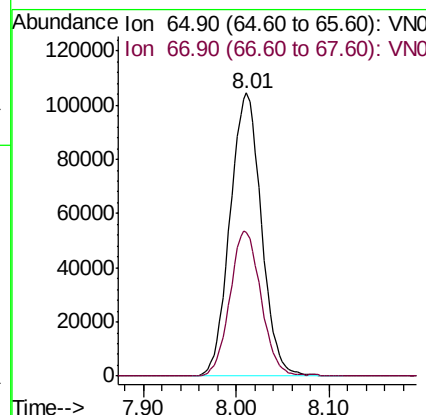
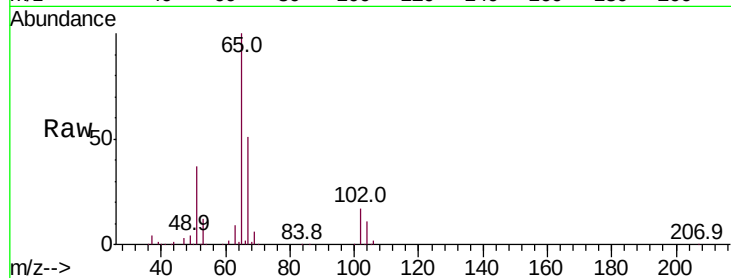
Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
EQUIPMENT-BLANK-102419

Tot Ion: 65 Resp: 244944

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

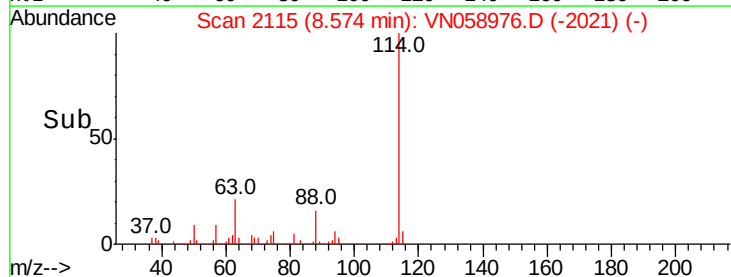
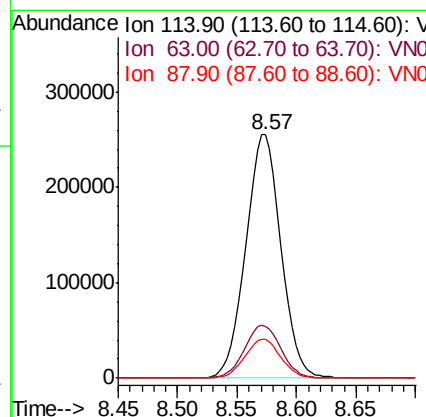
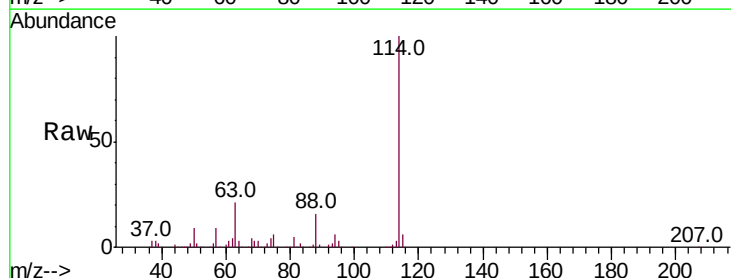
Delta R.T. 0.00 min

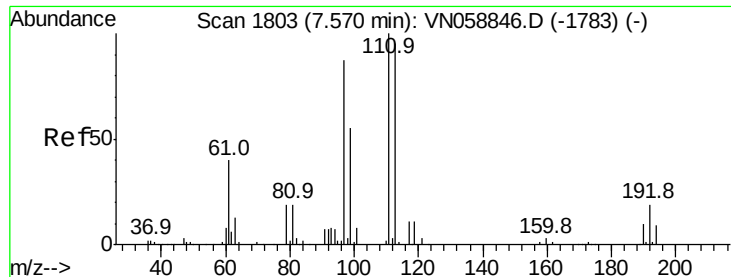
Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

Tgt Ion: 114 Resp: 522429

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.4
88	15.9	0.0	31.4

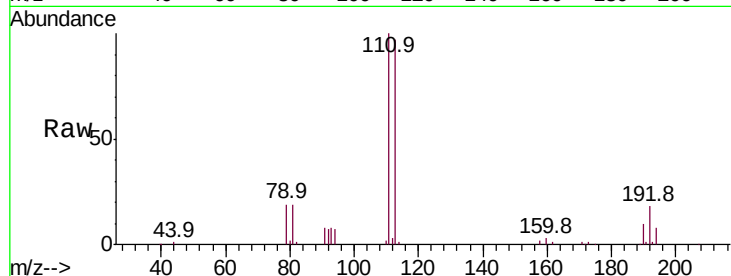




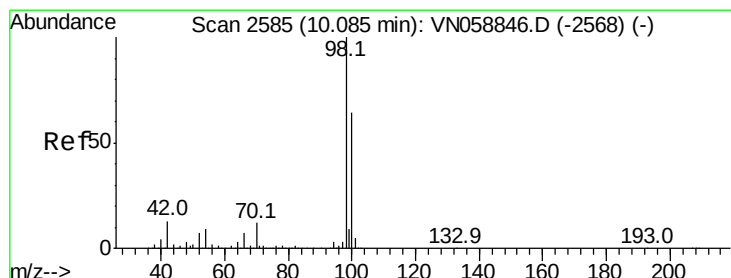
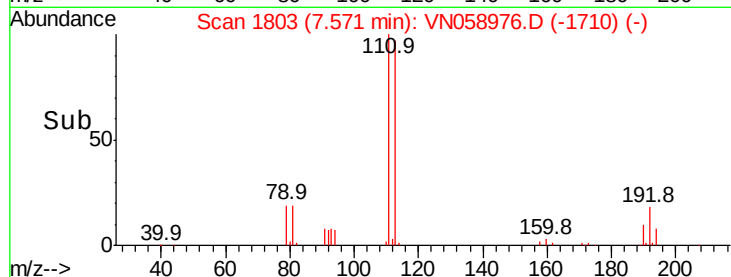
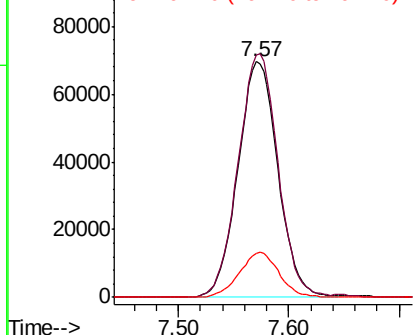
#35
 Dibromofluoromethane
 Concen: 50.978 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058976.D
 Acq: 25 Oct 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 EQUIPMENT-BLANK-102419

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	18.9	15.0	22.6

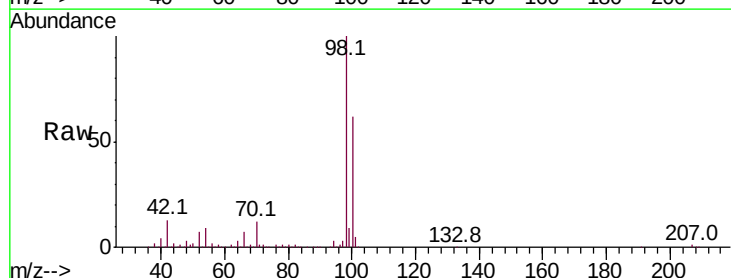


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

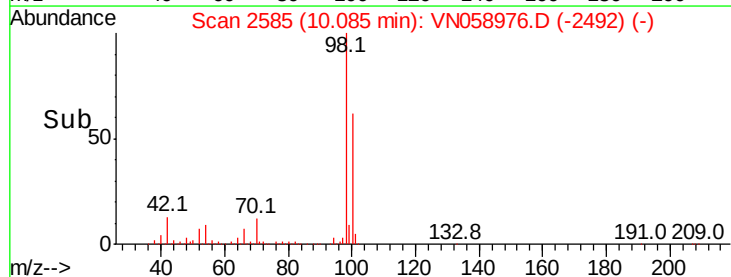
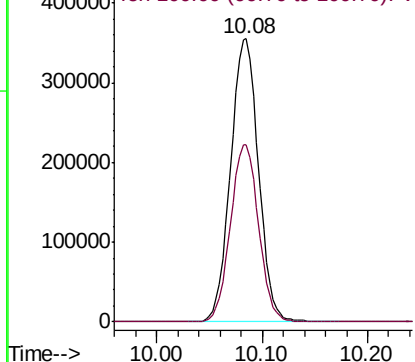


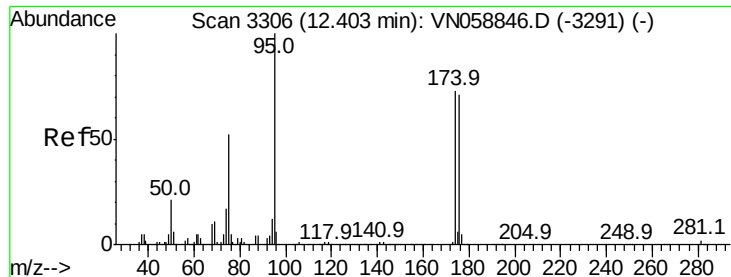
#50
 Toluene-d8
 Concen: 48.759 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058976.D
 Acq: 25 Oct 2019 11:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.2



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





#62

4-Bromofluorobenzene

Concen: 39.447 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

EQUIPMENT-BLANK-102419

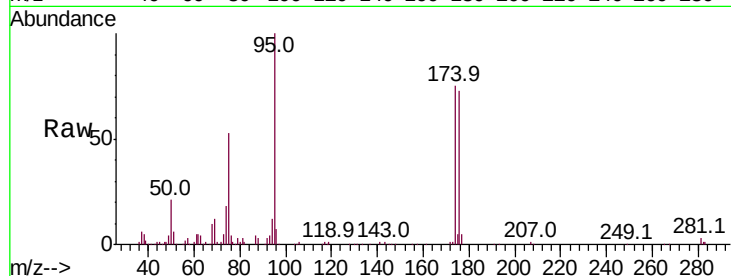
Tot Ion: 95 Resp: 193148

Ion Ratio Lower Upper

95 100

174 76.5 0.0 147.6

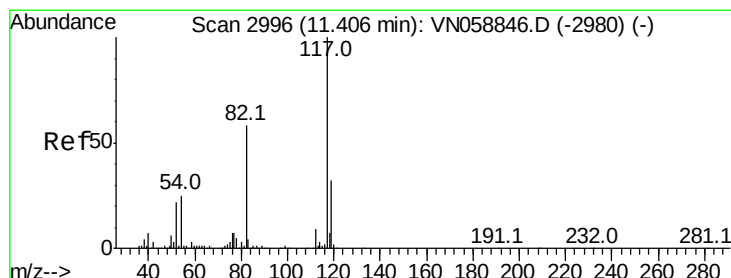
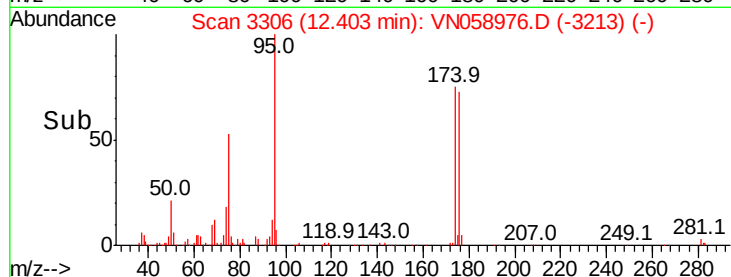
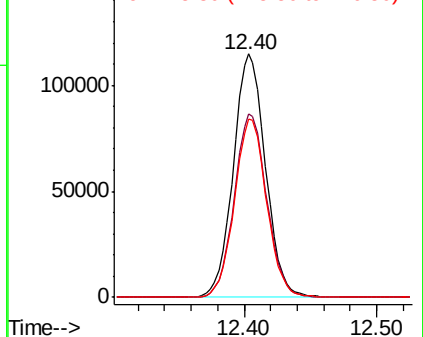
176 73.6 0.0 143.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

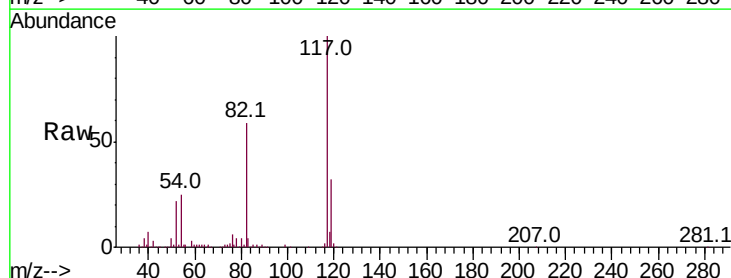
Tgt Ion: 117 Resp: 455694

Ion Ratio Lower Upper

117 100

82 58.9 46.6 69.8

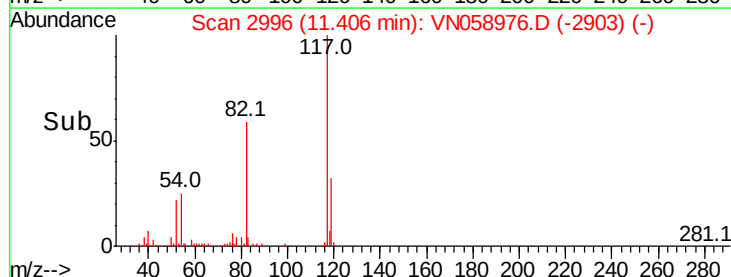
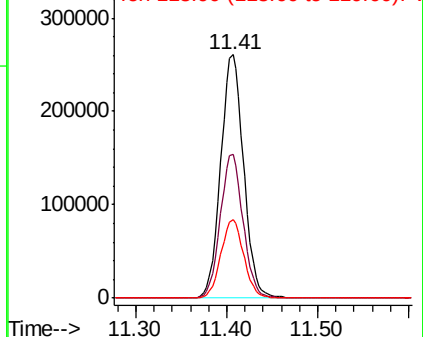
119 32.4 25.6 38.4

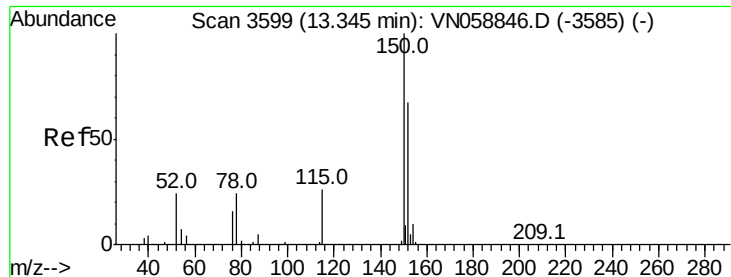


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058976.D

Acq: 25 Oct 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

EQUIPMENT-BLANK-102419

Tot Ion:152 Resp: 151062

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

150 158.9 0.0 344.4

