

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058585.D
 Acq On : 7 Oct 2019 22:18
 Operator : JC/SP
 Sample : K5215-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 13940

Quant Time: Oct 08 15:44:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	480239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	743282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	651288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	324139	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	7.57	113	230545	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.08	98	936815	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.41	95	314231	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	

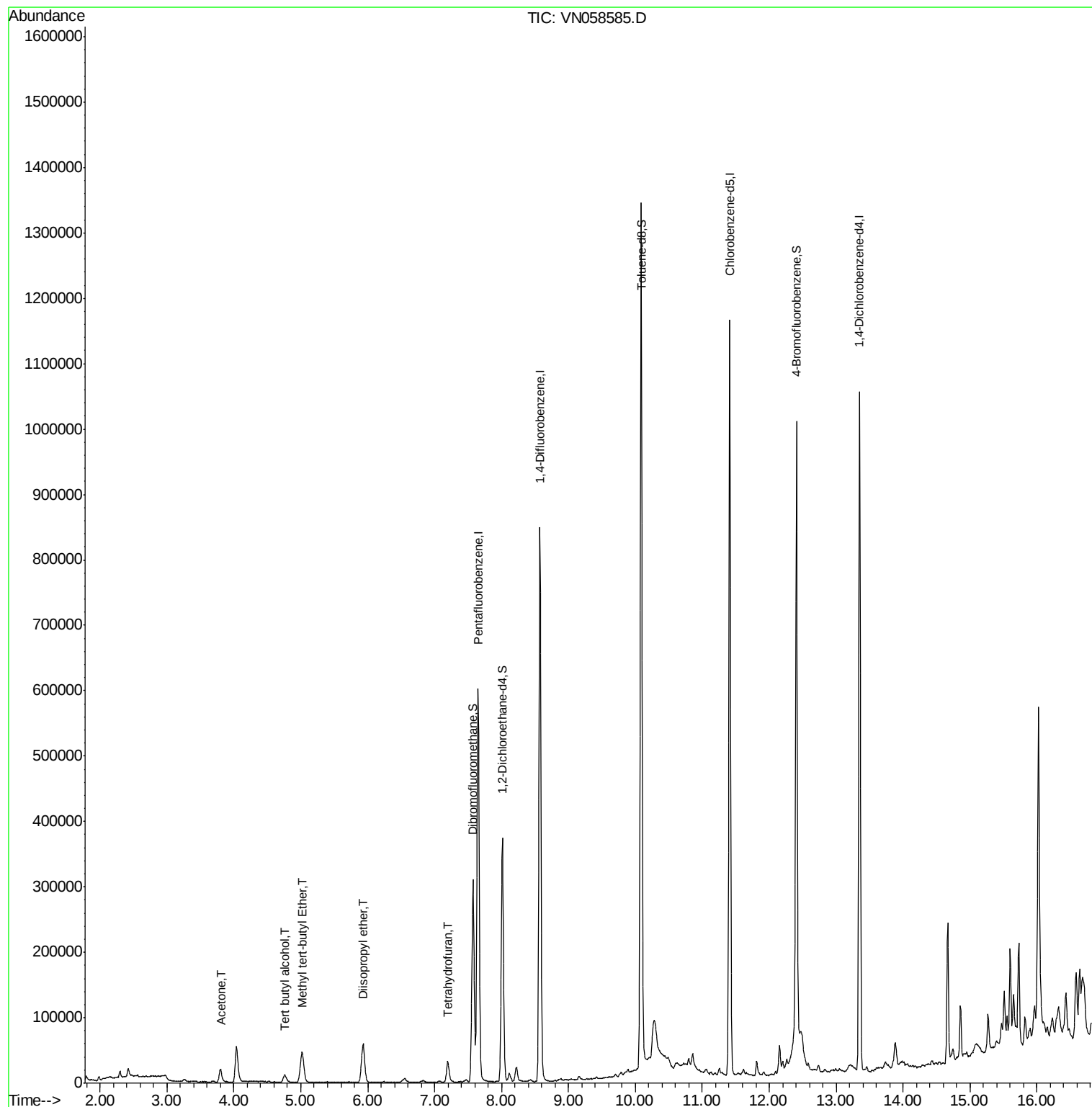
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	20355	26.108	ug/l	97
16) Acetone	3.80	43	33098	13.835	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	78016	4.881	ug/l	97
22) Diisopropyl ether	5.93	45	80619	4.544	ug/l	93
29) Tetrahydrofuran	7.20	42	26798	12.855	ug/l	99

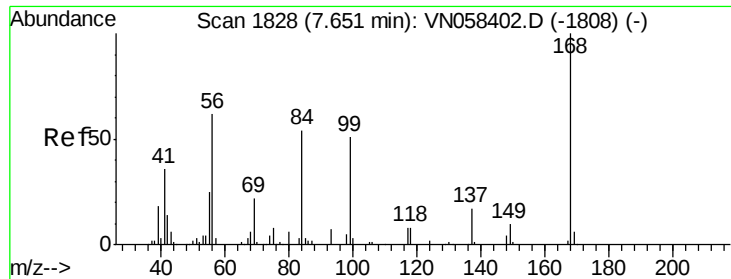
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058585.D

Acq: 7 Oct 2019 22:18

Instrument :

MSVOA_N

ClientSampled :

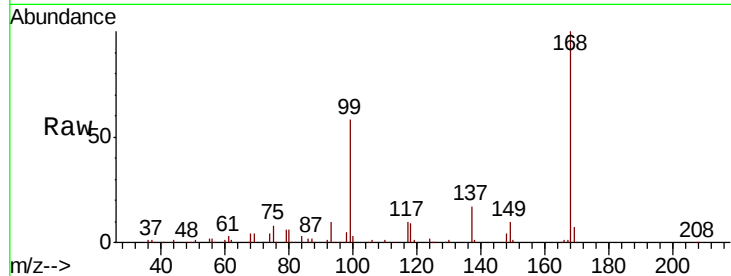
13940

Tot Ion:168 Resp: 480239

Ion Ratio Lower Upper

168 100

99 57.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

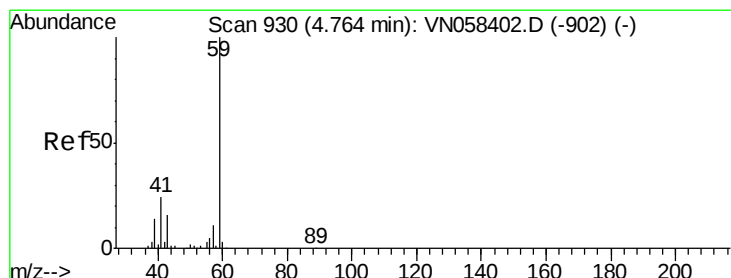
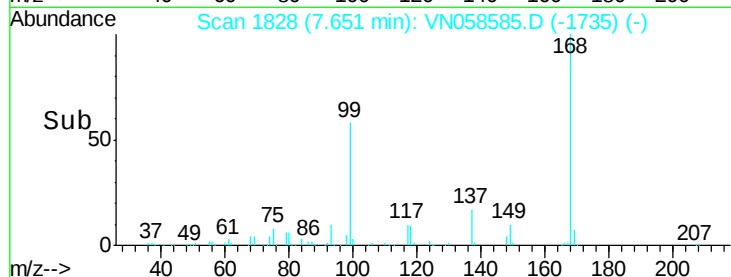
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 26.108 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN058585.D

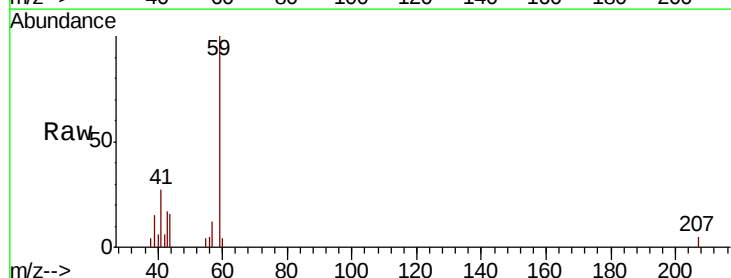
Acq: 7 Oct 2019 22:18

Tgt Ion: 59 Resp: 20355

Ion Ratio Lower Upper

59 100

57 9.9 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

6000

5000

4000

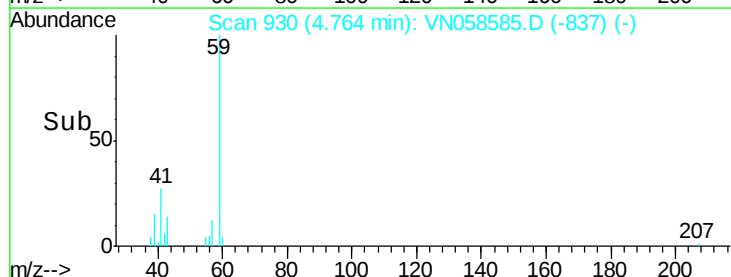
3000

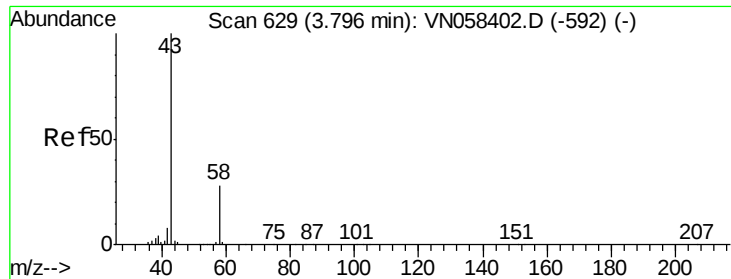
2000

1000

0

Time-->

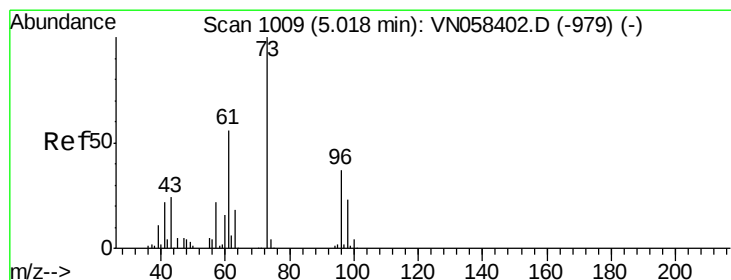
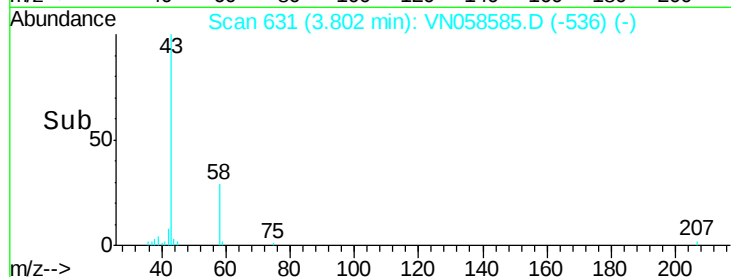
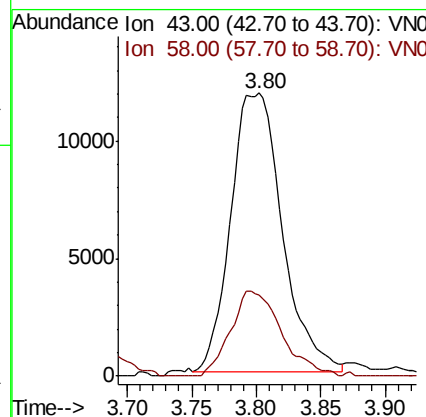
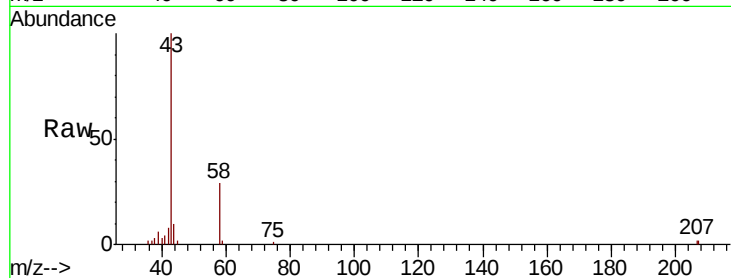




#16
Acetone
Concen: 13.835 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058585.D
Acq: 7 Oct 2019 22:18

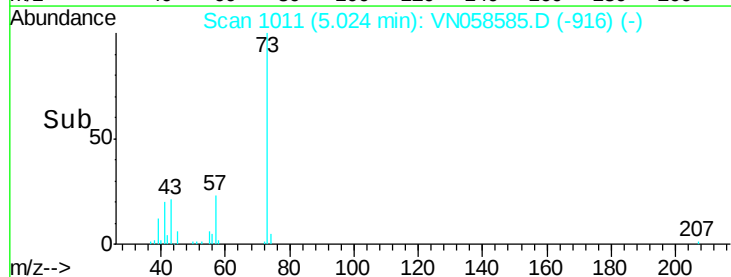
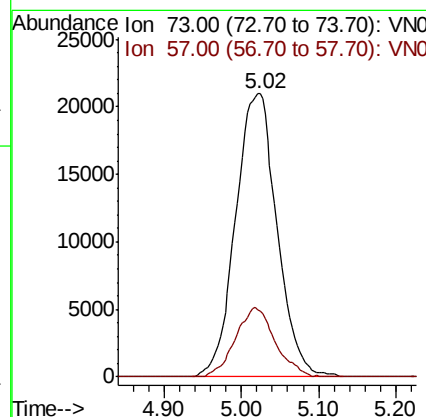
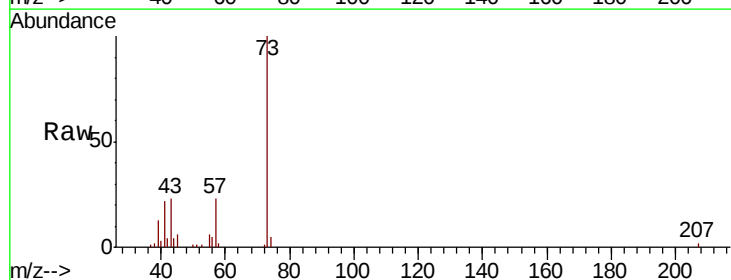
Instrument :
MSVOA_N
ClientSampled :
13940

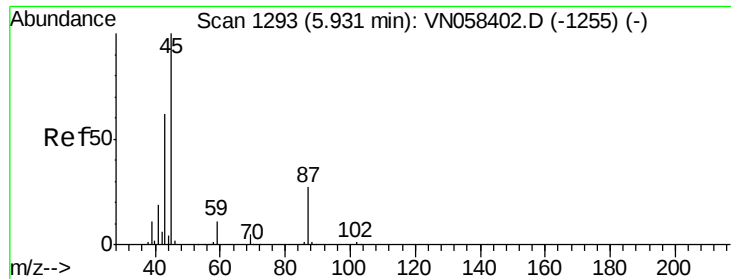
Tot Ion: 43 Resp: 33098
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6



#19
Methyl tert-butyl Ether
Concen: 4.881 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058585.D
Acq: 7 Oct 2019 22:18

Tgt Ion: 73 Resp: 78016
Ion Ratio Lower Upper
73 100
57 23.4 17.6 26.4

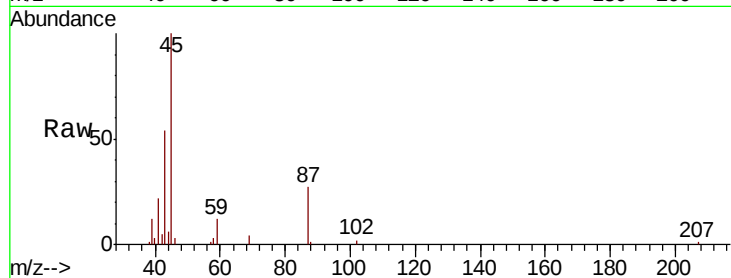




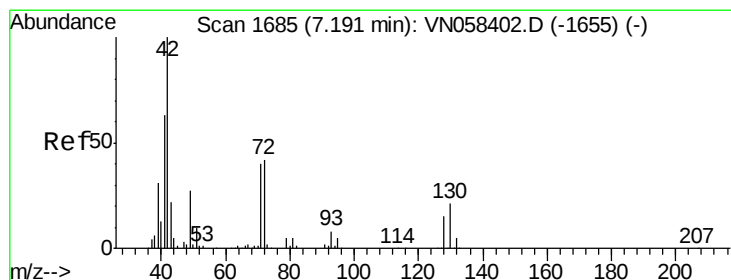
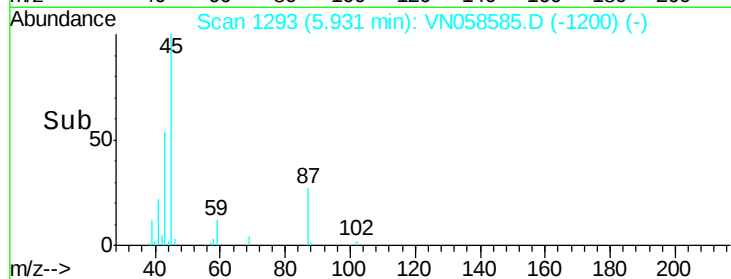
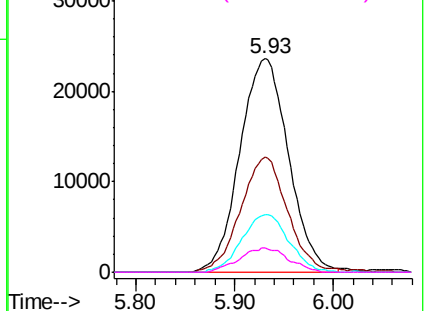
#22
Diisopropyl ether
Concen: 4.544 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058585.D
Acq: 7 Oct 2019 22:18

Instrument :
MSVOA_N
ClientSampleId :
13940

Tot Ion:	45	Resp:	80619
Ion	Ratio	Lower	Upper
45	100		
43	53.8	49.7	74.5
87	26.8	21.5	32.3
59	11.7	8.9	13.3

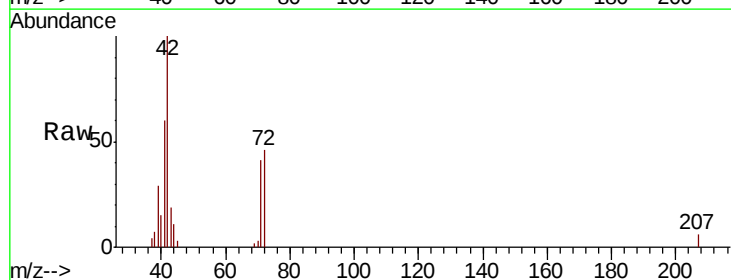


Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

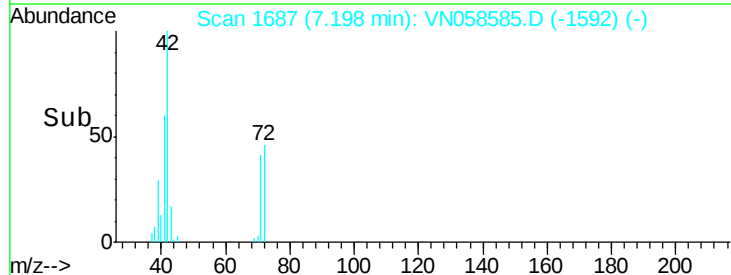
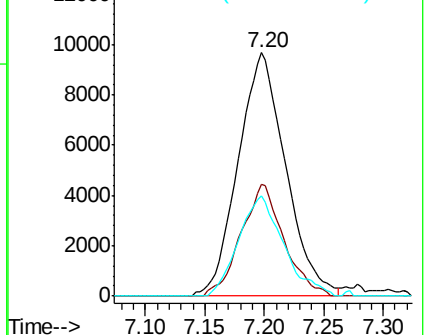


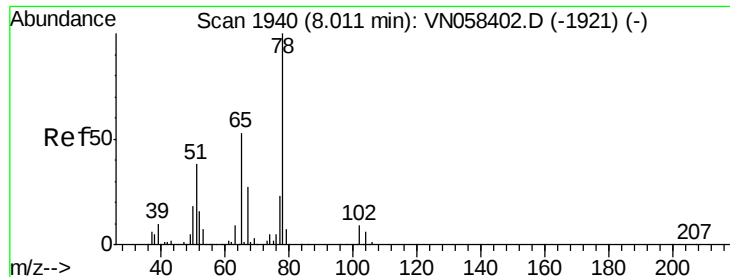
#29
Tetrahydrofuran
Concen: 12.855 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058585.D
Acq: 7 Oct 2019 22:18

Tgt Ion:	42	Resp:	26798
Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	39.0	31.8	47.6



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

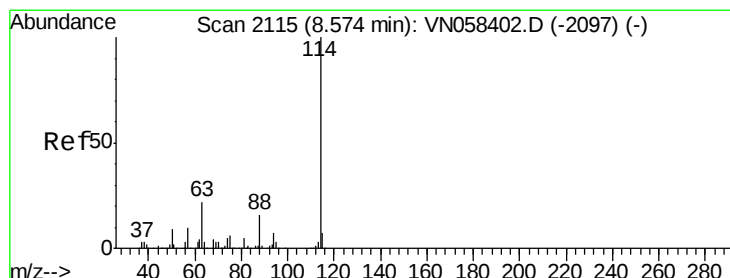
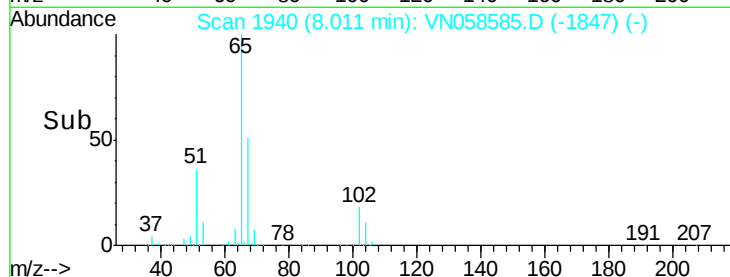
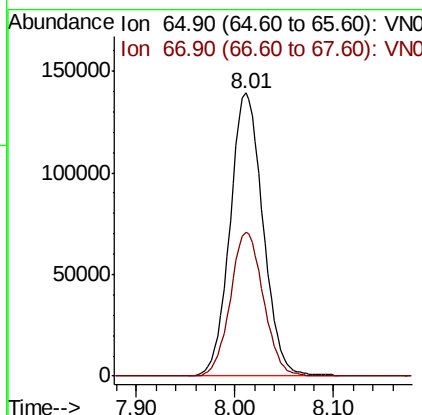
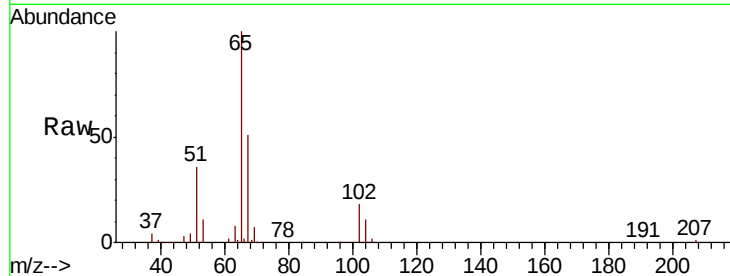




#33
 1,2-Dichloroethane-d4
 Concen: 46.187 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058585.D
 Acq: 7 Oct 2019 22:18

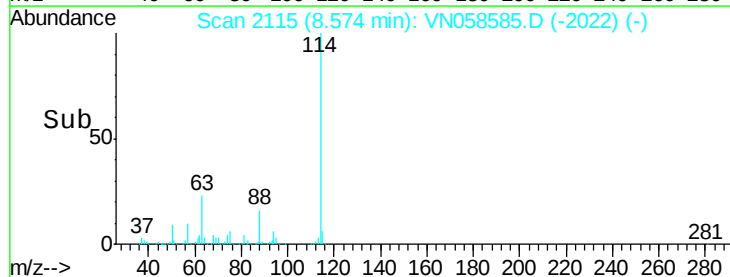
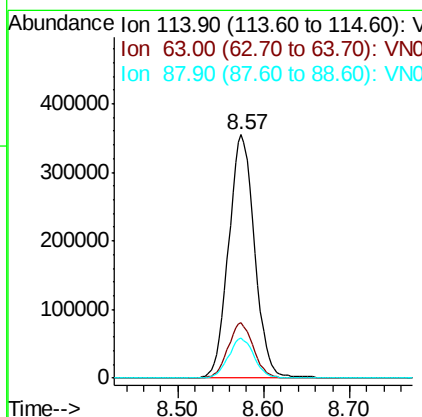
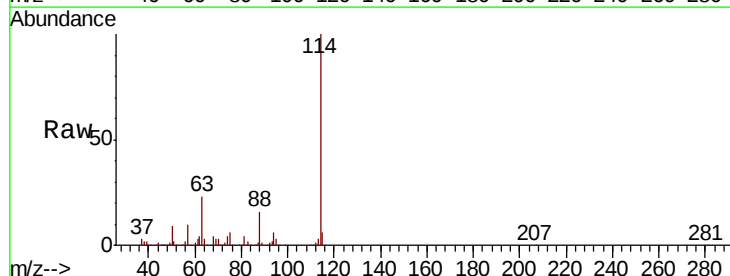
Instrument :
 MSVOA_N
 ClientSampled :
 13940

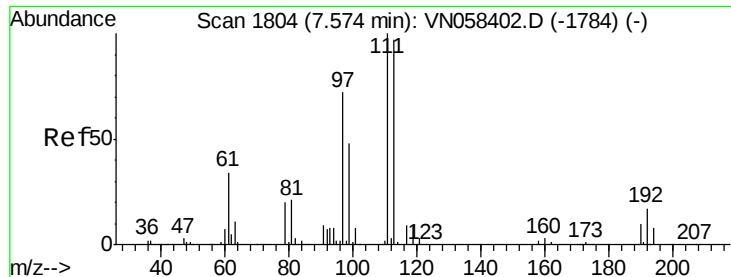
Tot Ion: 65 Resp: 324139
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058585.D
 Acq: 7 Oct 2019 22:18

Tgt Ion: 114 Resp: 743282
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.608 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058585.D

Acq: 7 Oct 2019 22:18

Instrument :

MSVOA_N

ClientSampleId :

13940

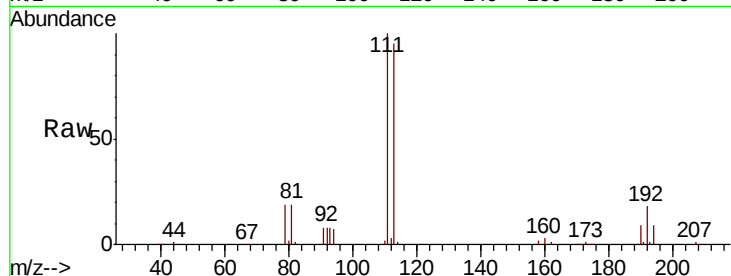
Tot Ion:113 Resp: 230545

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.2

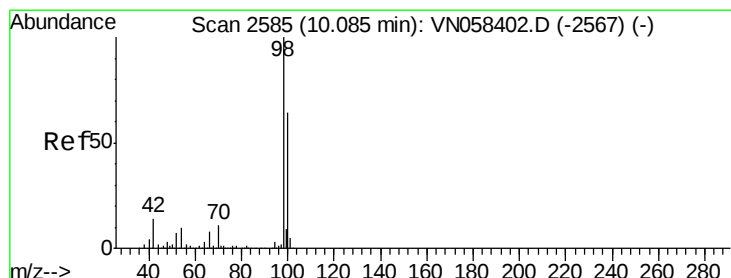
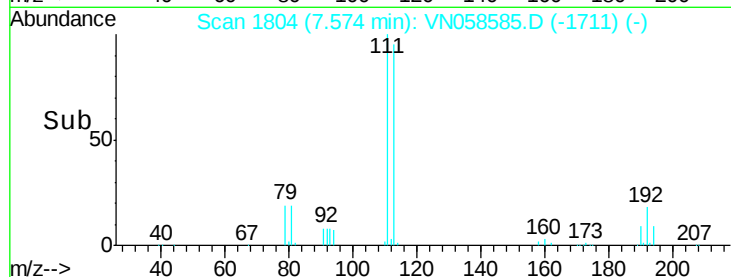
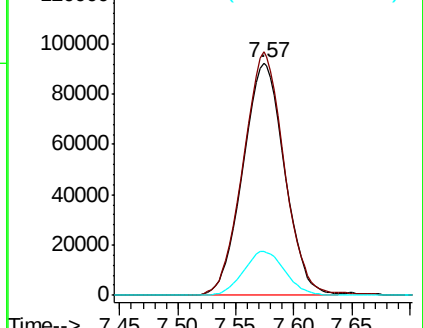
192 19.0 14.9 22.3



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: 52.495 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058585.D

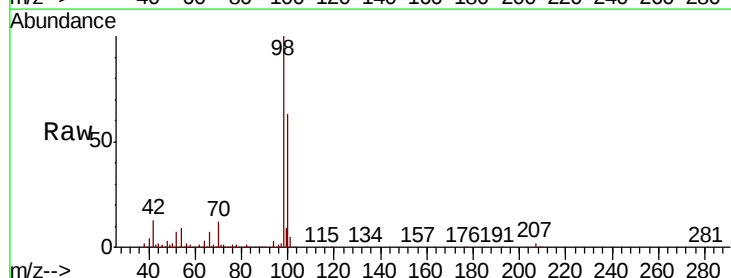
Acq: 7 Oct 2019 22:18

Tgt Ion: 98 Resp: 936815

Ion Ratio Lower Upper

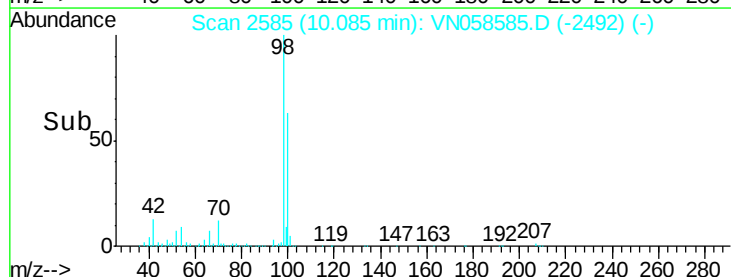
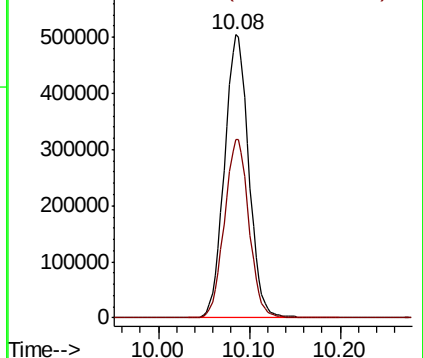
98 100

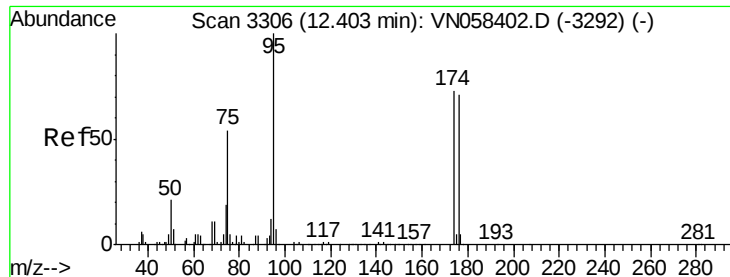
100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 48.698 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058585.D

Acq: 7 Oct 2019 22:18

Instrument :

MSVOA_N

ClientSampled :

13940

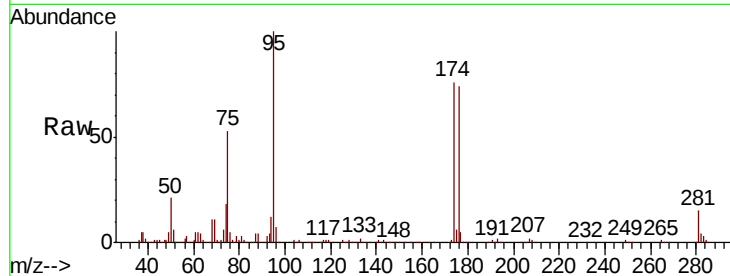
Tot Ion: 95 Resp: 314231

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.6

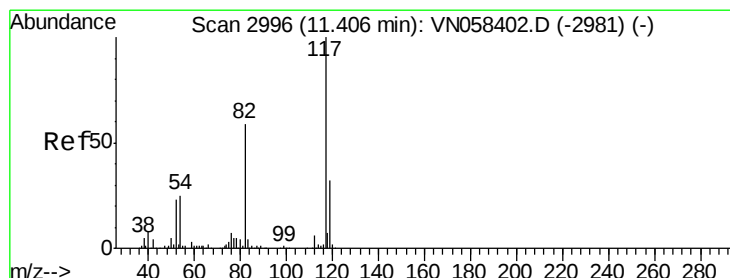
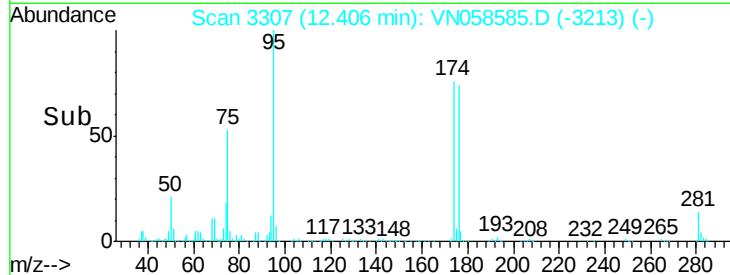
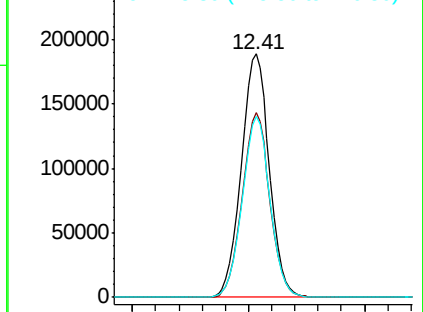
176 73.9 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058585.D

Acq: 7 Oct 2019 22:18

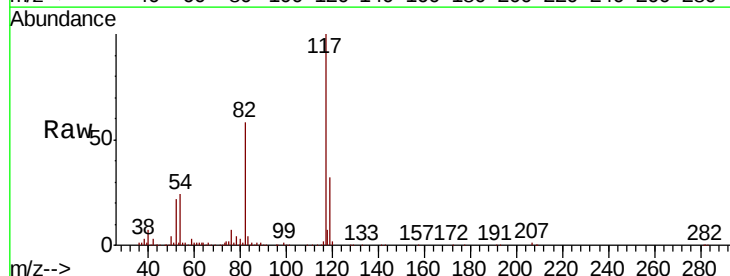
Tgt Ion: 117 Resp: 651288

Ion Ratio Lower Upper

117 100

82 57.6 47.4 71.0

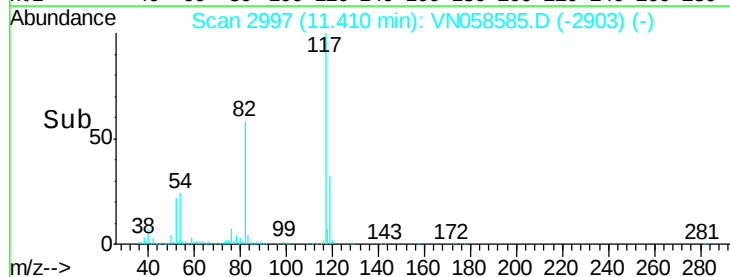
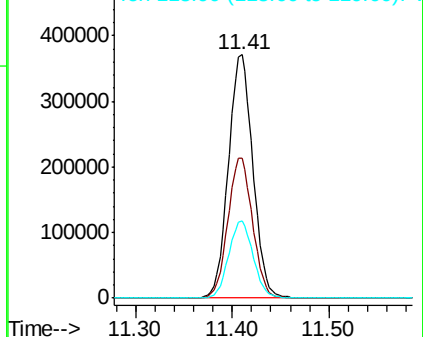
119 31.8 25.5 38.3

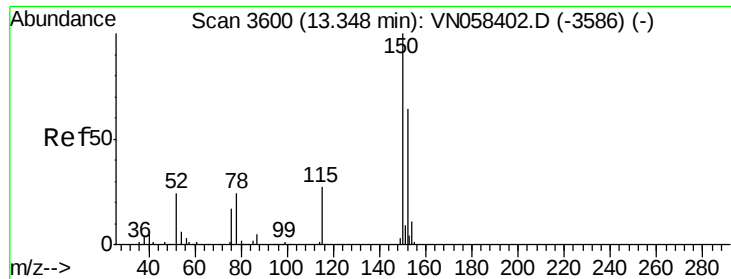


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058585.D

Acq: 7 Oct 2019 22:18

Instrument :

MSVOA_N

ClientSampleId :

13940

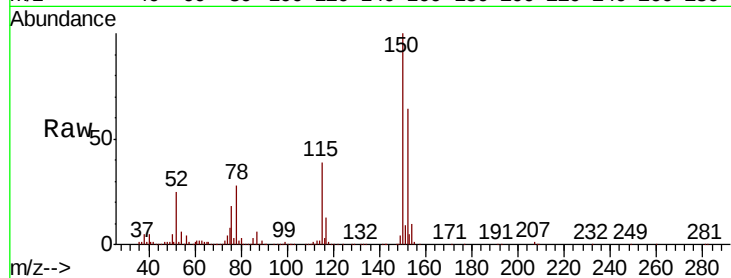
Tot Ion:152 Resp: 271281

Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

150 155.6 0.0 348.2



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

