

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058459.D
 Acq On : 1 Oct 2019 12:56
 Operator : JC/SP
 Sample : K5107-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-9-30-19

Quant Time: Oct 02 01:26:32 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	403180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	655547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	294355	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
35) Dibromofluoromethane	7.57	113	206255	51.34	ug/l	0.00
Spiked Amount						
			Recovery	=	102.68%	
50) Toluene-d8	10.09	98	832755	52.91	ug/l	0.00
Spiked Amount						
			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.41	95	258581	45.44	ug/l	0.00
Spiked Amount						
			Recovery	=	90.88%	

Target Compounds

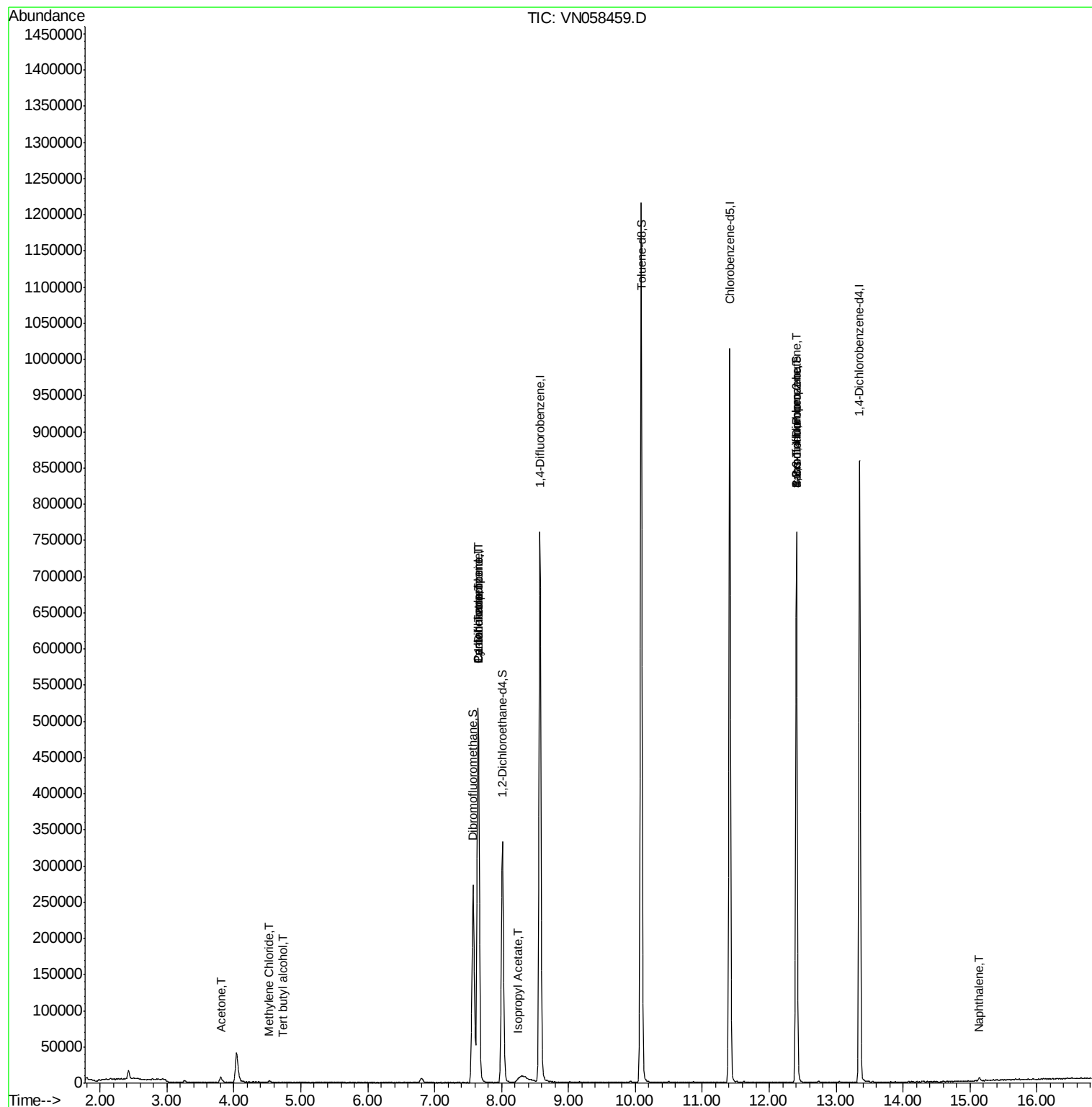
						Qvalue
11) Tert butyl alcohol	4.75	59	330	0.504	ug/l #	71
16) Acetone	3.80	43	12889	6.417	ug/l	96
20) Methylene Chloride	4.53	84	1129	0.244	ug/l	86
31) Cyclohexane	7.65	56	9873	1.211	ug/l #	10
36) 1,1-Dichloropropene	7.65	75	36003	5.744	ug/l #	51
38) Carbon Tetrachloride	7.65	117	42037	7.430	ug/l #	15
43) Isopropyl Acetate	8.25	43	4109	0.411	ug/l #	63
71) Bromoform	12.40	173	1893	1.421	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	142704	36.052	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	142704	109.495	ug/l #	7
95) Naphthalene	15.14	128	4501	0.396	ug/l #	94

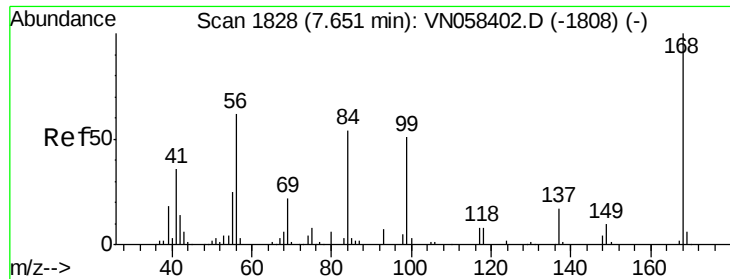
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100119\
Data File : VN058459.D
Acq On : 1 Oct 2019 12:56
Operator : JC/SP
Sample : K5107-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB-9-30-19

Quant Time: Oct 02 01:26:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

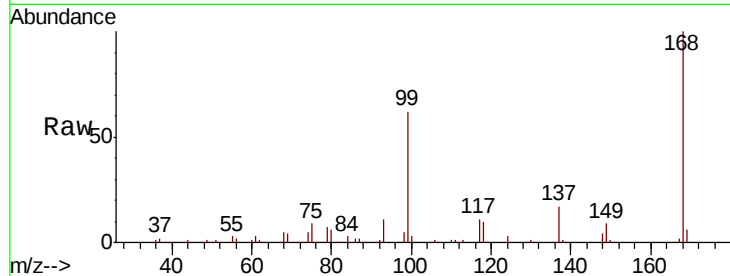
FB-9-30-19

Tot Ion:168 Resp: 403180

Ion Ratio Lower Upper

168 100

99 61.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

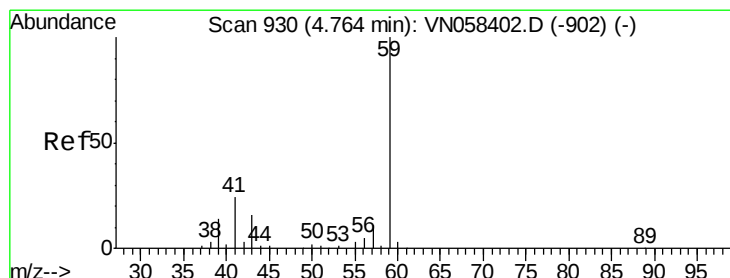
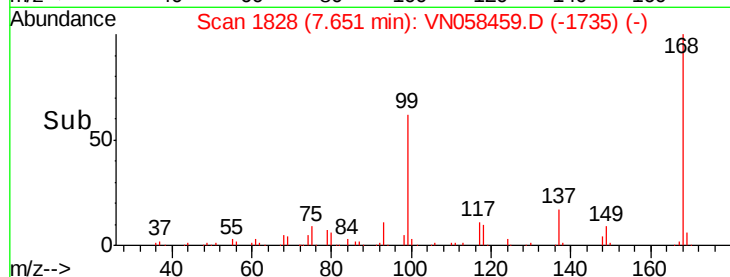
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.504 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.02 min

Lab File: VN058459.D

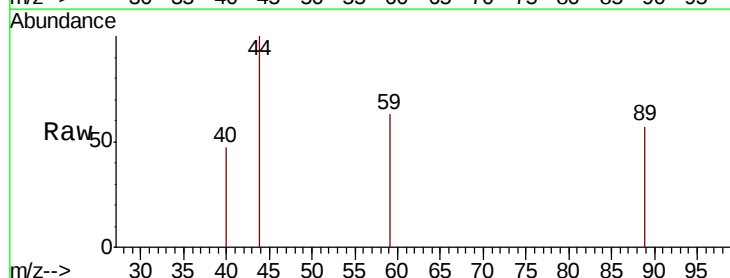
Acq: 1 Oct 2019 12:56

Tgt Ion: 59 Resp: 330

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

300

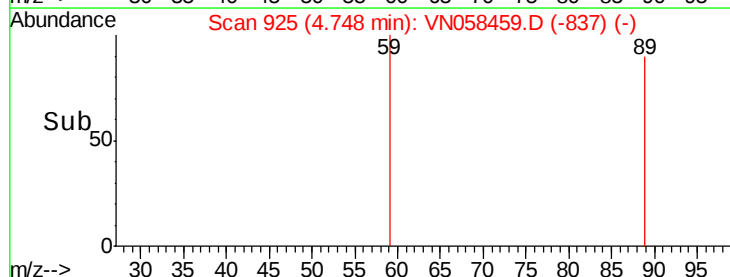
200

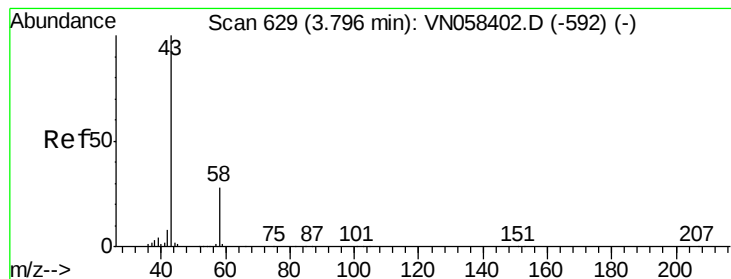
100

0

4.74 4.76

Time-->





#16

Acetone

Concen: 6.417 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

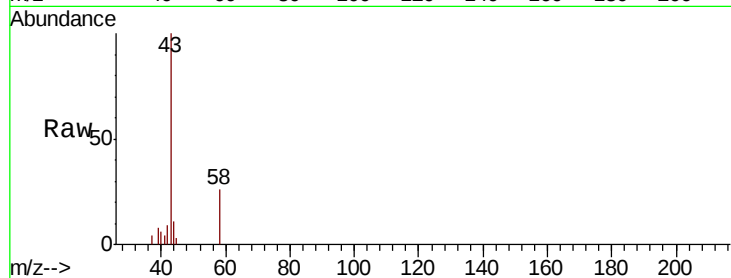
FB-9-30-19

Tot Ion: 43 Resp: 12889

Ion Ratio Lower Upper

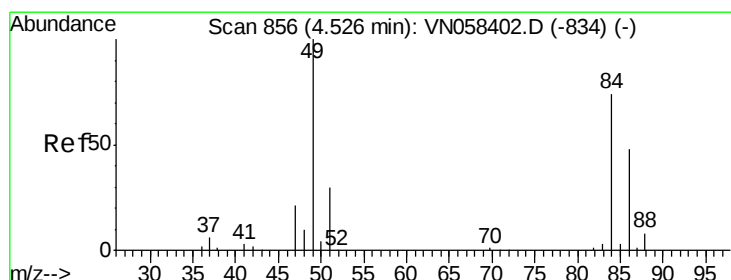
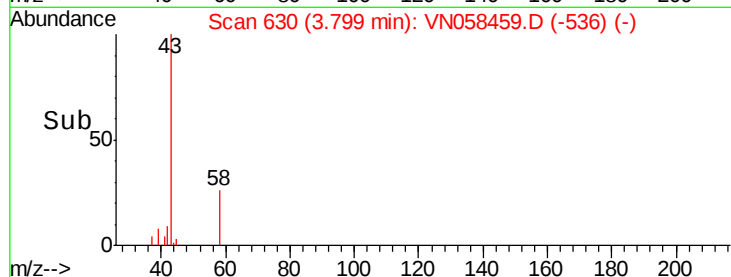
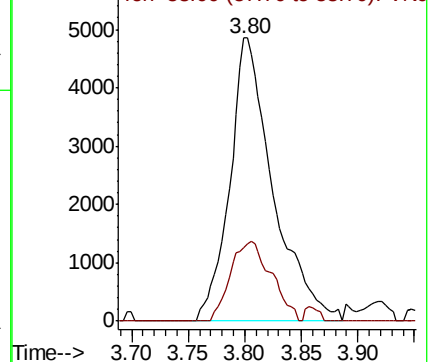
43 100

58 25.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.244 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Tgt Ion: 84 Resp: 1129

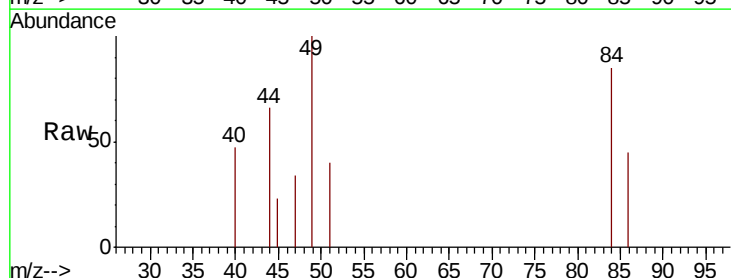
Ion Ratio Lower Upper

84 100

49 117.4 107.9 161.9

51 47.2 32.8 49.2

86 53.0 51.5 77.3

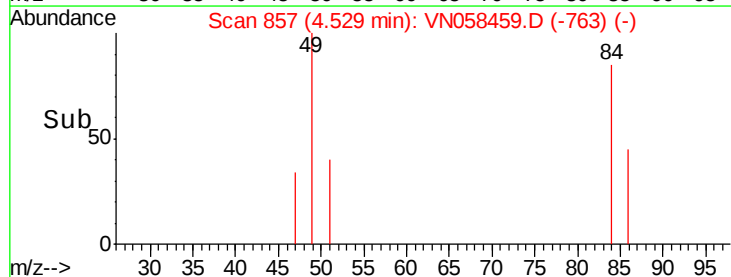
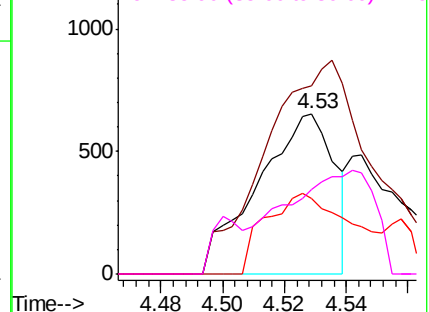


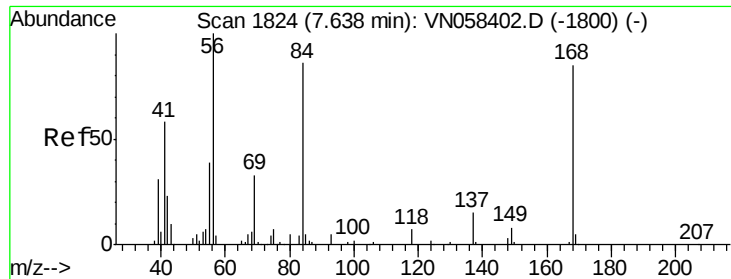
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

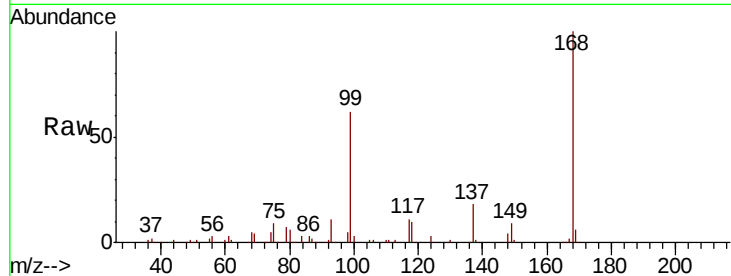




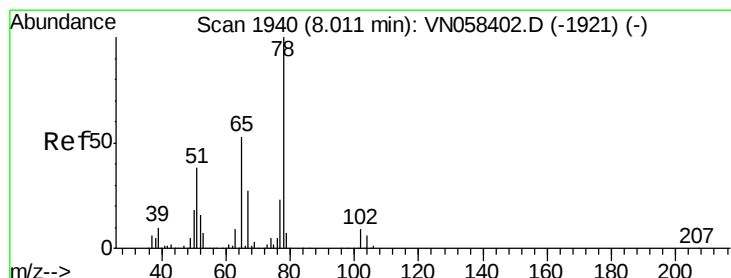
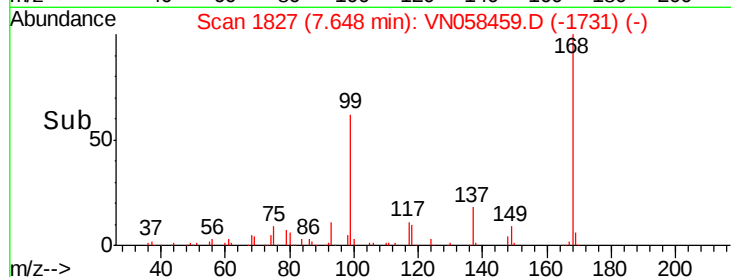
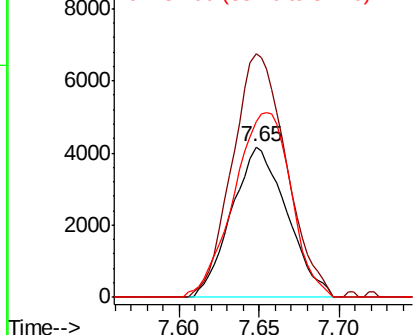
#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058459.D
Acq: 1 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :
FB-9-30-19

Tot Ion: 56 Resp: 9873
Ion Ratio Lower Upper
56 100
69 162.0 26.2 39.4#
84 117.4 67.6 101.4#

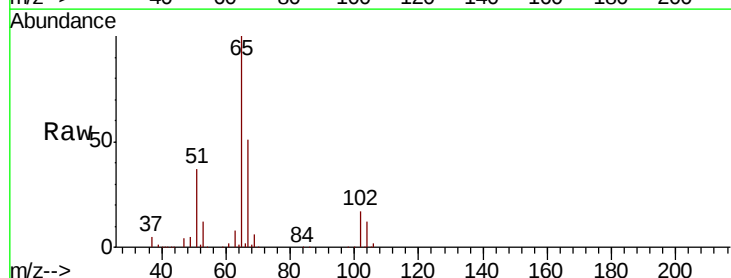


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

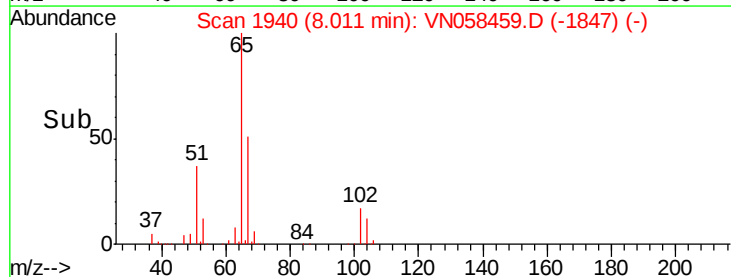
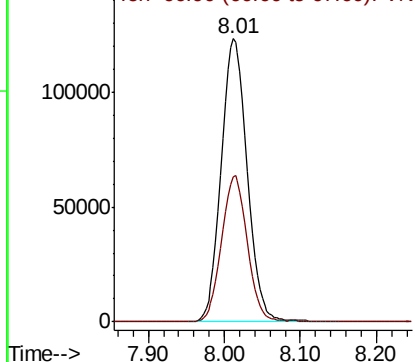


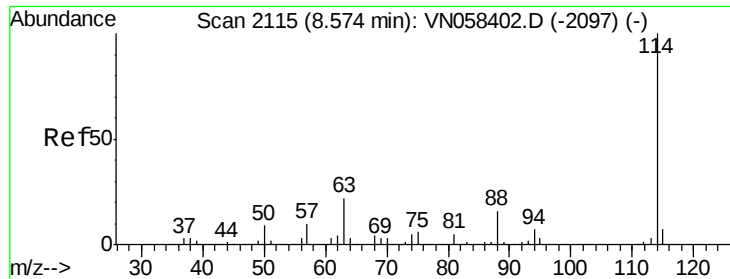
#33
1,2-Dichloroethane-d4
Concen: 49.960 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058459.D
Acq: 1 Oct 2019 12:56

Tgt Ion: 65 Resp: 294355
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

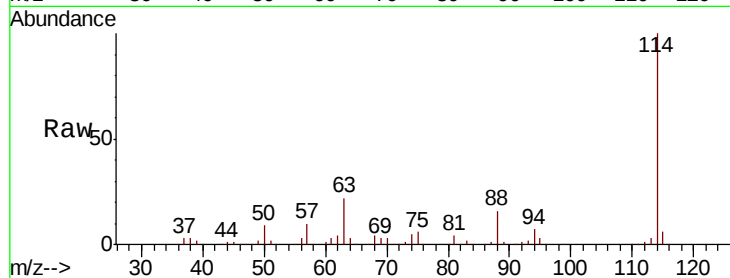




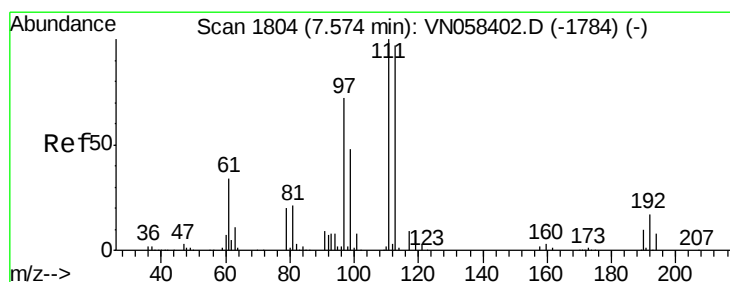
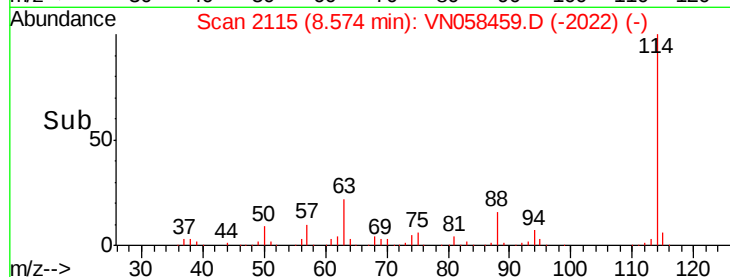
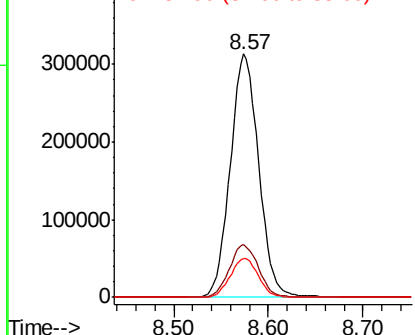
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058459.D
 Acq: 1 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-9-30-19

Tot Ion:114 Resp: 655547
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.0
 88 16.0 0.0 32.2

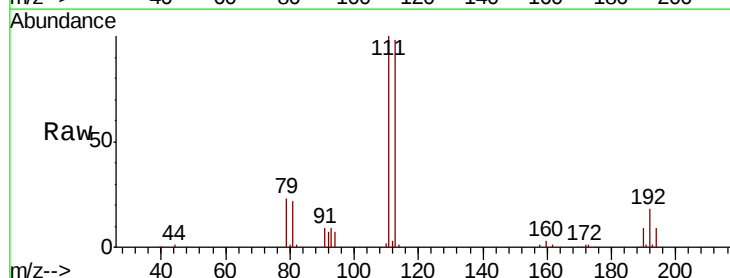


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

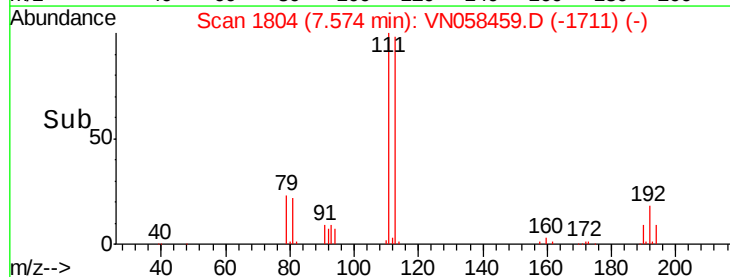
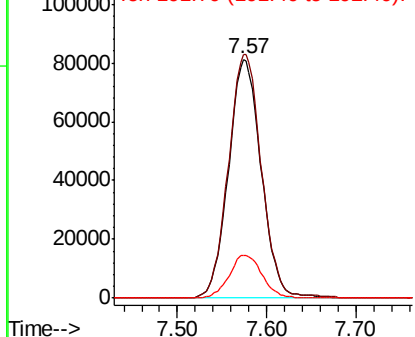


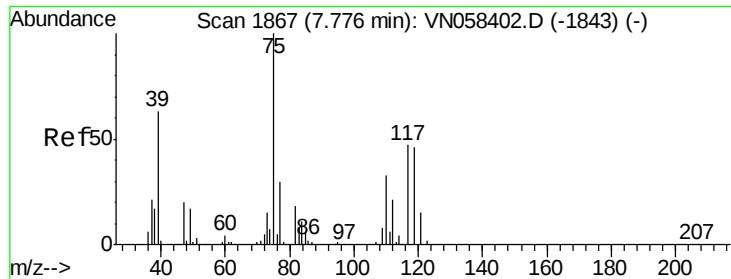
#35
 Dibromofluoromethane
 Concen: 51.336 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058459.D
 Acq: 1 Oct 2019 12:56

Tgt Ion:113 Resp: 206255
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.2
 192 18.0 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

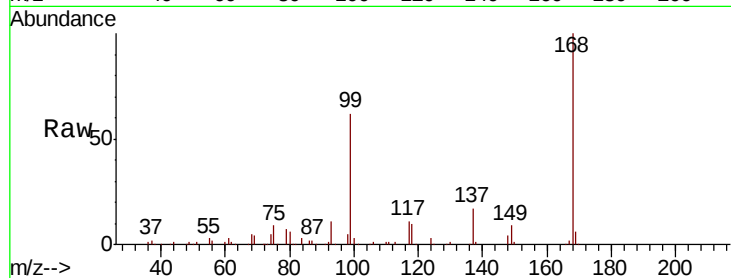




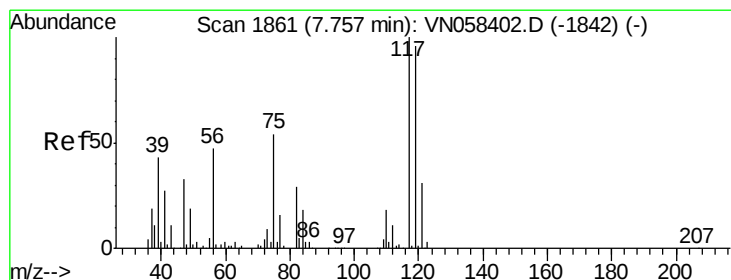
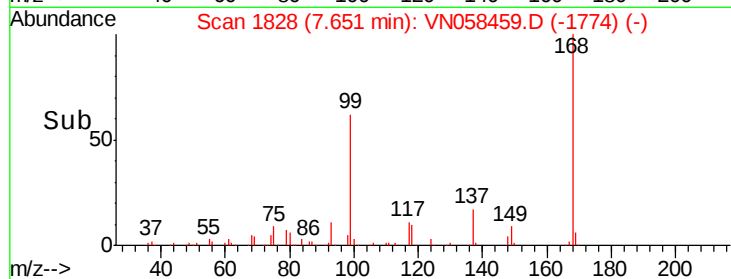
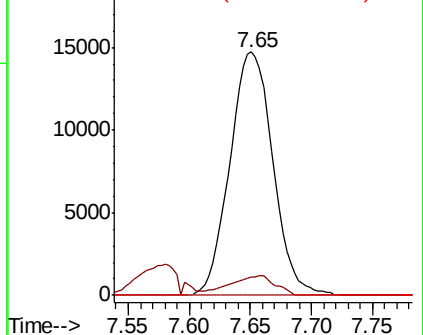
#36
 1,1-Dichloropropene
 Concen: 5.744 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058459.D
 Acq: 1 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-9-30-19

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.4	49.2#
77	0.0	24.3	36.5#

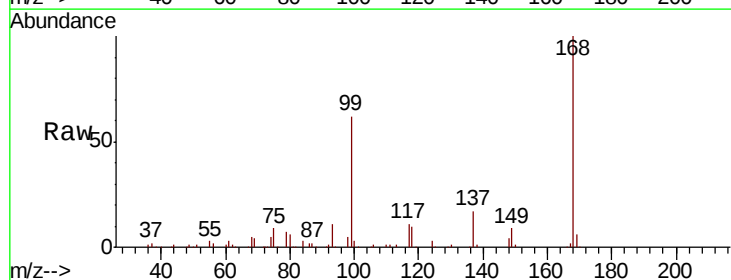


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

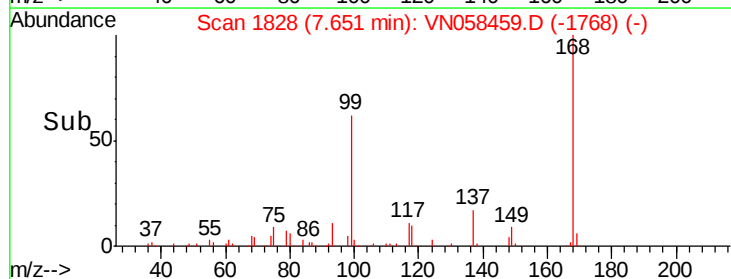
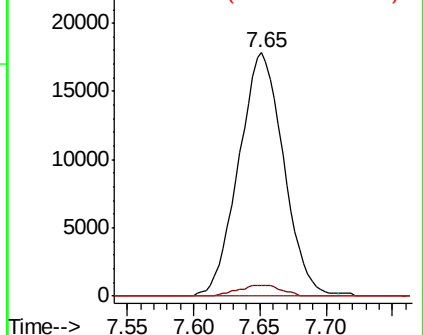


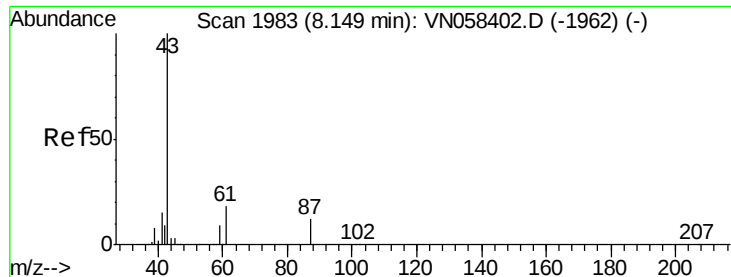
#38
 Carbon Tetrachloride
 Concen: 7.430 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058459.D
 Acq: 1 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.6	115.0#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.411 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.10 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

FB-9-30-19

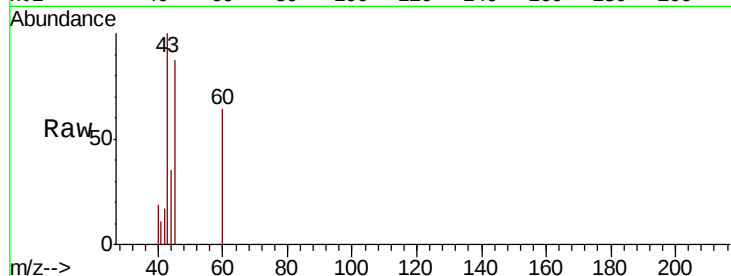
Tot Ion: 43 Resp: 4109

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

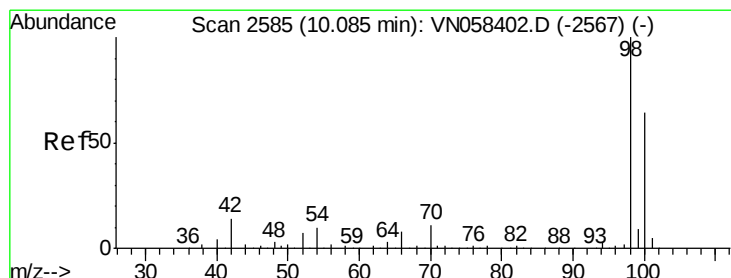
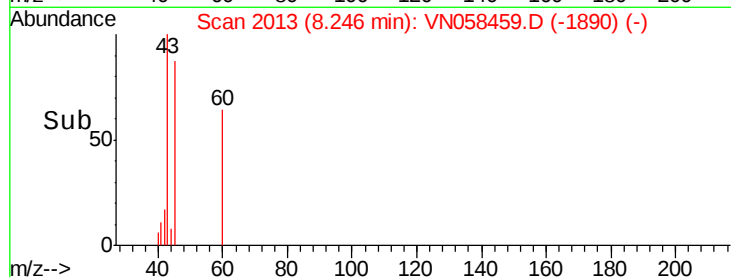
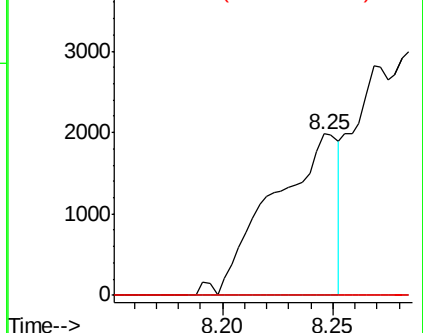
87 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 52.909 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058459.D

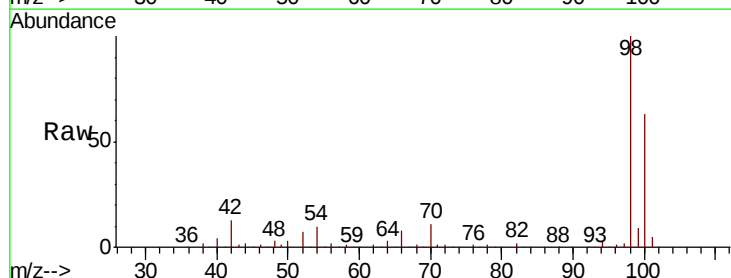
Acq: 1 Oct 2019 12:56

Tgt Ion: 98 Resp: 832755

Ion Ratio Lower Upper

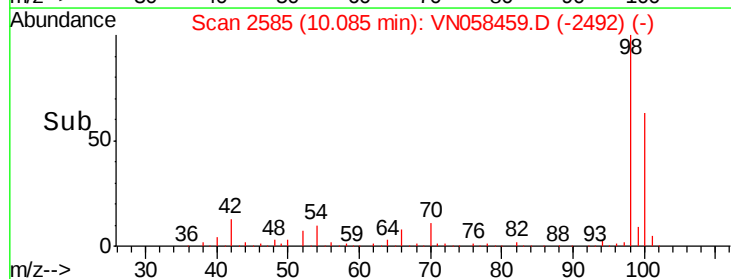
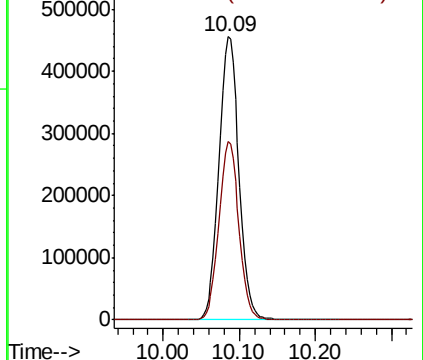
98 100

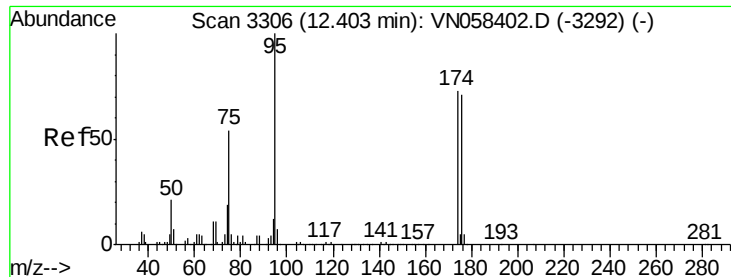
100 62.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.436 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

FB-9-30-19

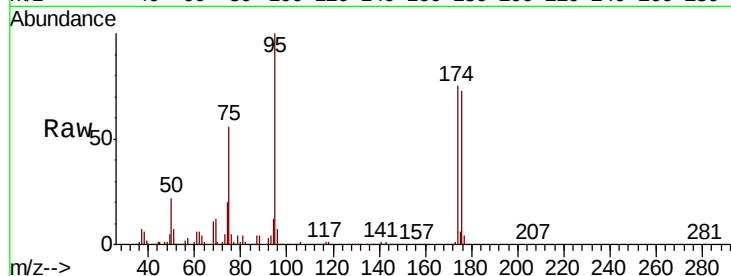
Tot Ion: 95 Resp: 258581

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.6

176 72.5 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) (-)

12.41

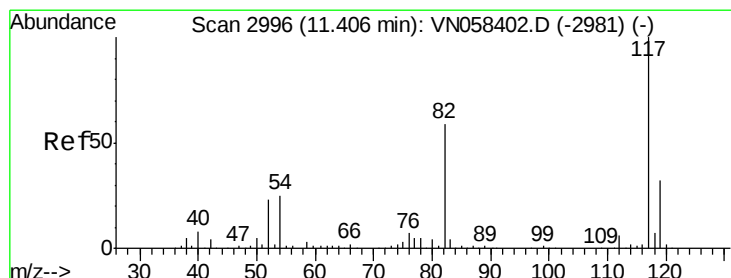
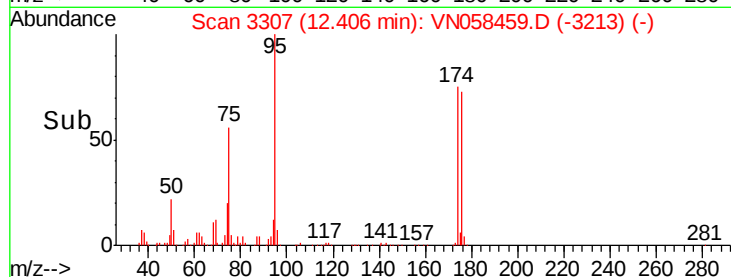
150000

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: VN058459.D

Acq: 1 Oct 2019 12:56

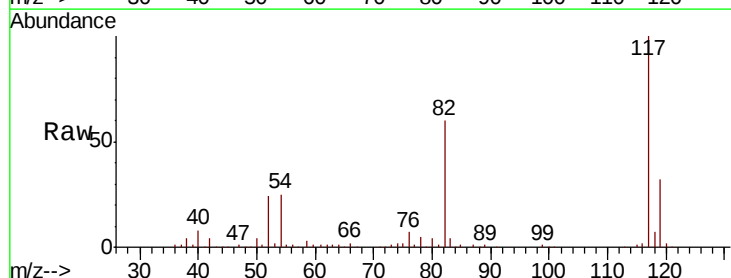
Tgt Ion: 117 Resp: 555334

Ion Ratio Lower Upper

117 100

82 59.7 47.4 71.0

119 32.5 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) (-)

11.41

400000

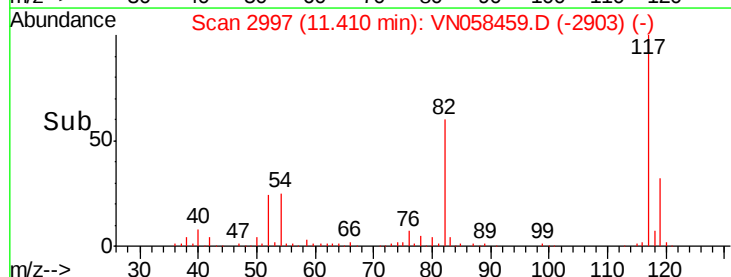
300000

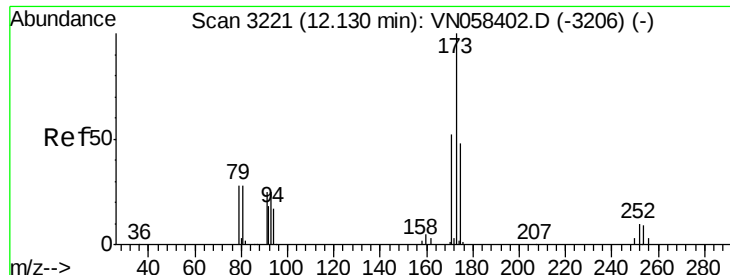
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 1.421 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

FB-9-30-19

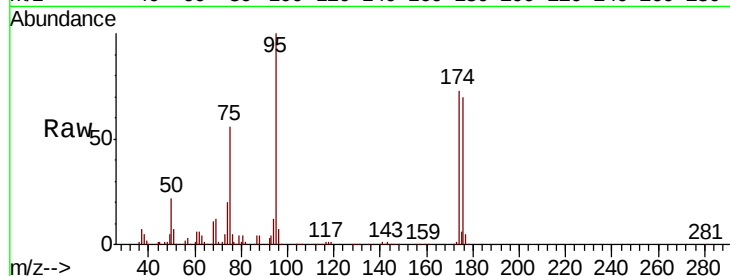
Tot Ion:173 Resp: 1893

Ion Ratio Lower Upper

173 100

175 619.7 24.3 73.0#

254 0.0 0.1 0.1#

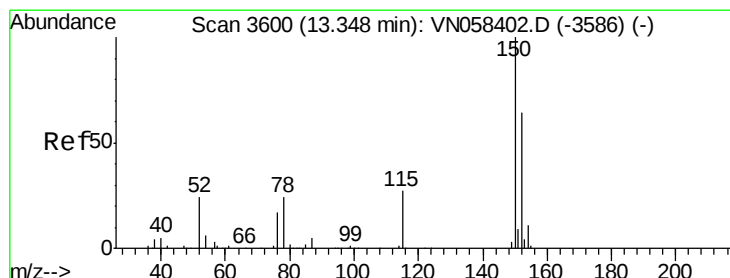
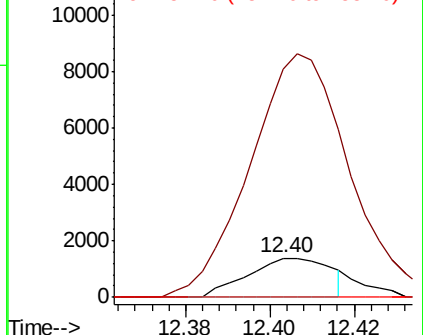
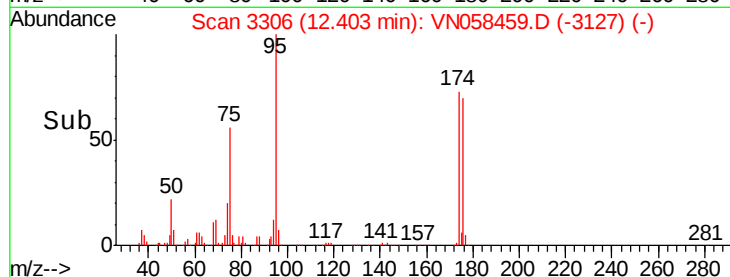


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

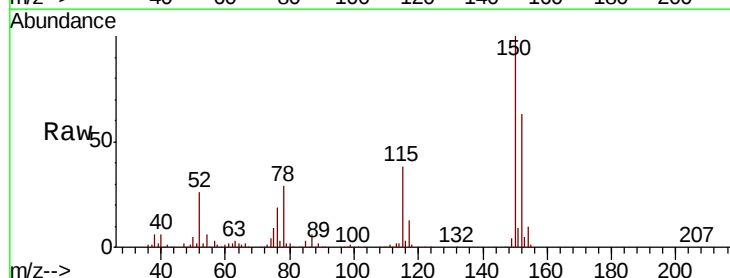
Tgt Ion:152 Resp: 216712

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

150 159.7 0.0 348.2

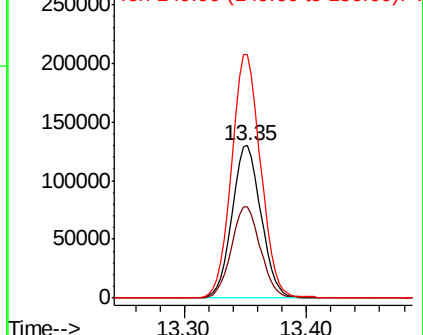
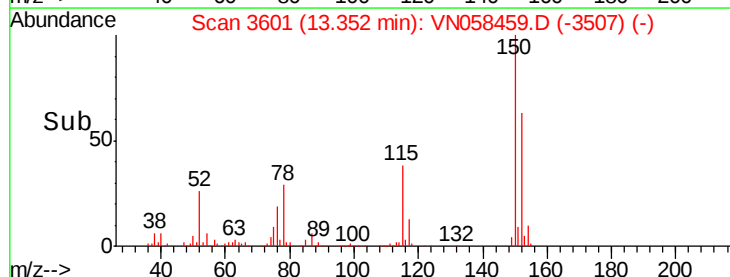


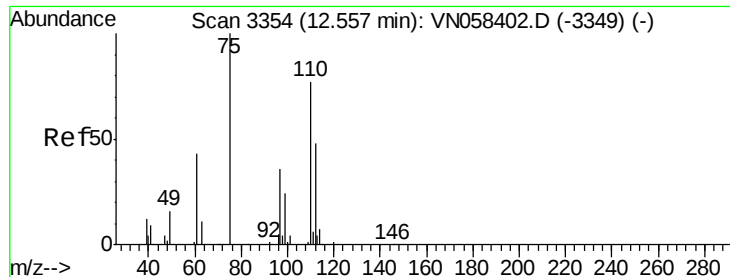
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 36.052 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

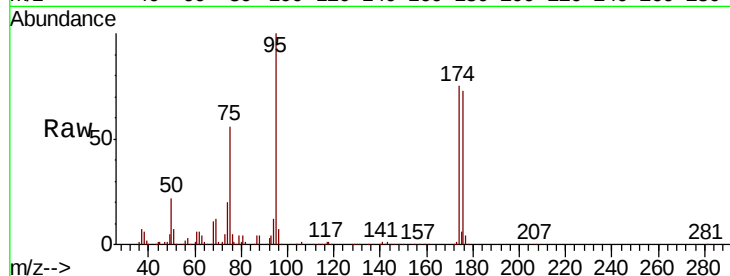
FB-9-30-19

Tot Ion: 75 Resp: 142704

Ion Ratio Lower Upper

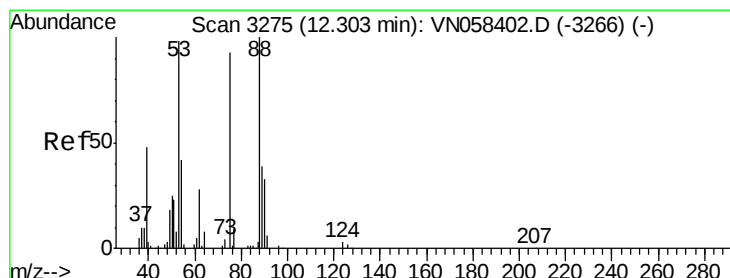
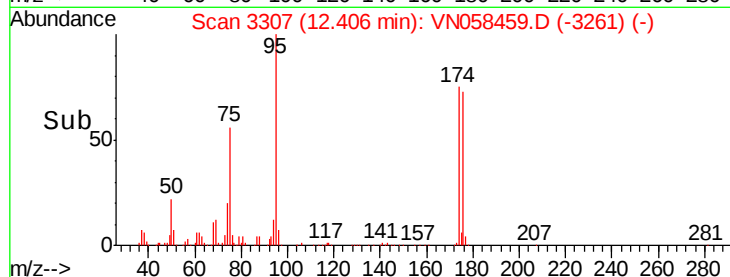
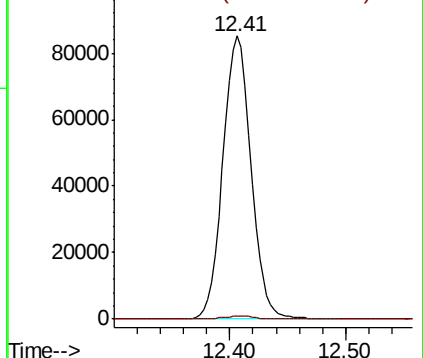
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 109.495 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

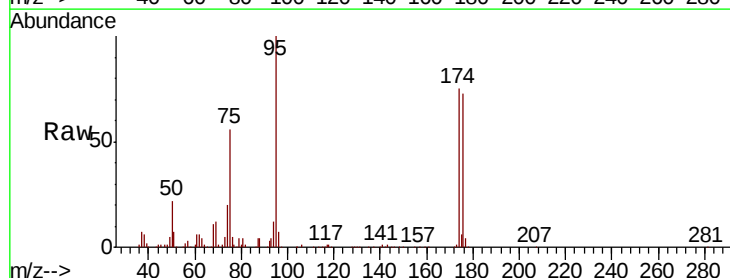
Tgt Ion: 75 Resp: 142704

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

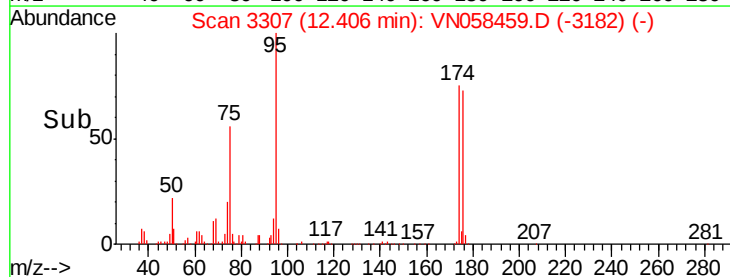
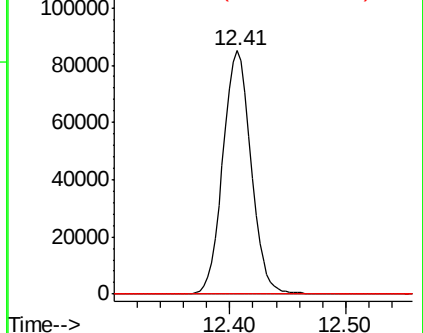
89 0.0 35.0 52.4#

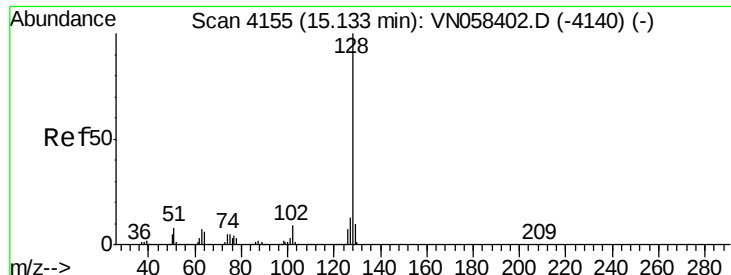


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 0.396 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058459.D

Acq: 1 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

FB-9-30-19

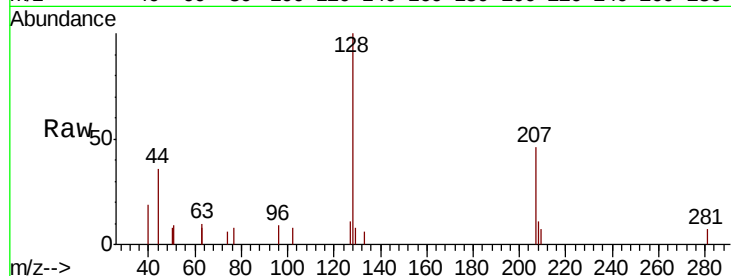
Tot Ion:128 Resp: 4501

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.4

129 6.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

