

Data File : VN058865.D
Acq On : 18 Oct 2019 17:55
Operator : JC/SP
Sample : K5452-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421B

Quant Time: Oct 21 08:01:27 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	402326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	650523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	214518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	311494	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.57	113	222776	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.08	98	838882	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	266690	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds

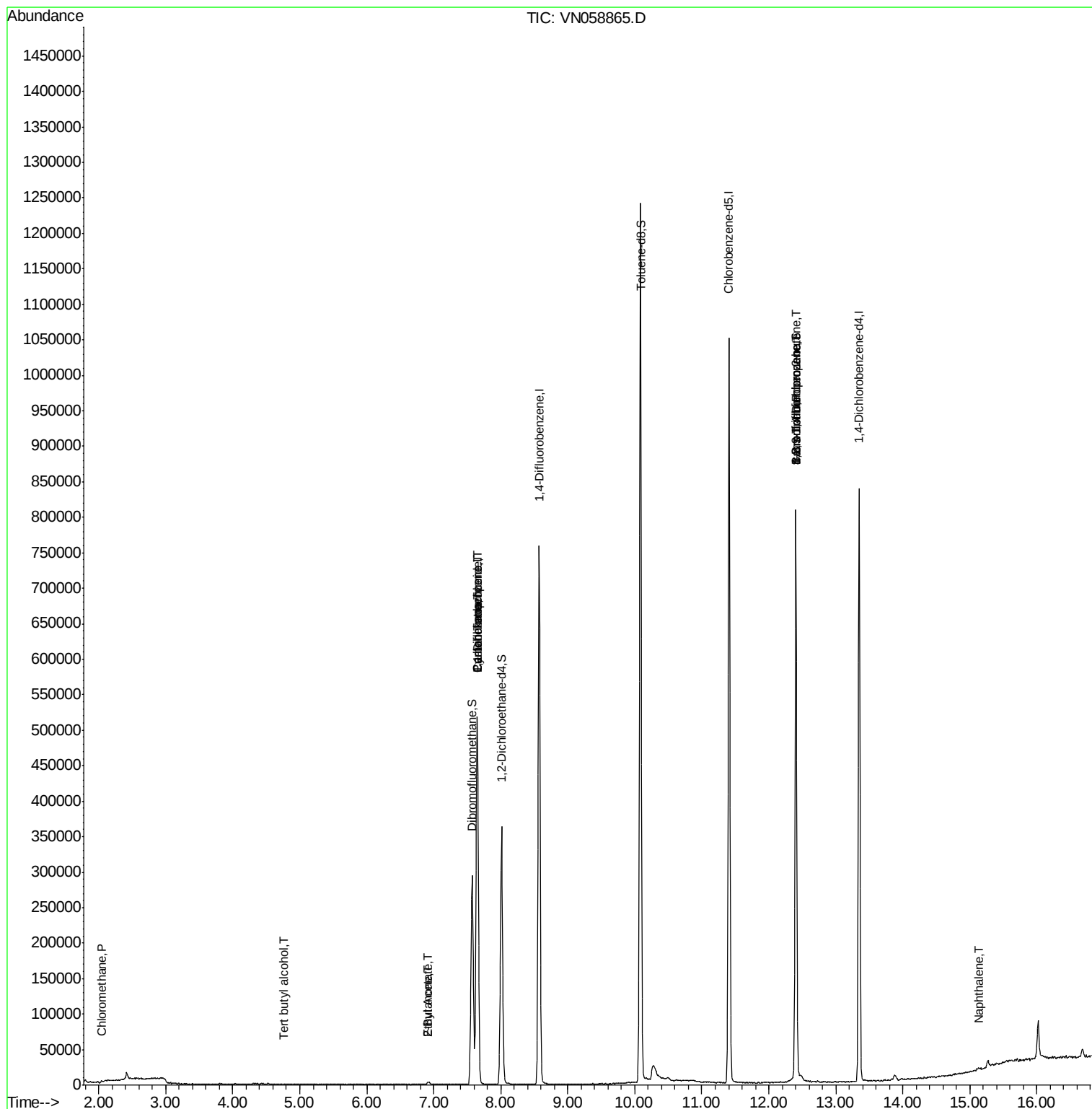
						Qvalue
3) Chloromethane	2.04	50	1706	0.275	ug/l #	85
11) Tert butyl alcohol	4.75	59	322	0.329	ug/l #	72
25) 2-Butanone	6.92	43	6428	1.698	ug/l #	51
31) Cyclohexane	7.64	56	10011	1.181	ug/l #	11
36) 1,1-Dichloropropene	7.64	75	34225	5.139	ug/l #	51
37) Ethyl Acetate	6.92	43	6428	0.886	ug/l #	88
38) Carbon Tetrachloride	7.65	117	41143	5.997	ug/l #	16
71) Bromoform	12.41	173	1902	0.549	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	144113	28.987	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	144113	75.513	ug/l #	10
95) Naphthalene	15.13	128	256	2.245	ug/l #	70

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

Data File : VN058865.D
Acq On : 18 Oct 2019 17:55
Operator : JC/SP
Sample : K5452-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421B

Quant Time: Oct 21 08:01:27 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

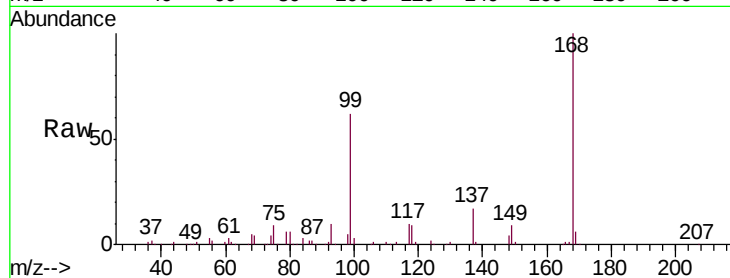
FA19-MMW0421B

Tgt Ion:168 Resp: 402326

Ion Ratio Lower Upper

168 100

99 61.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

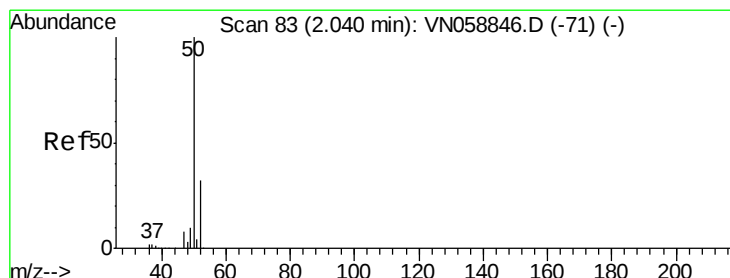
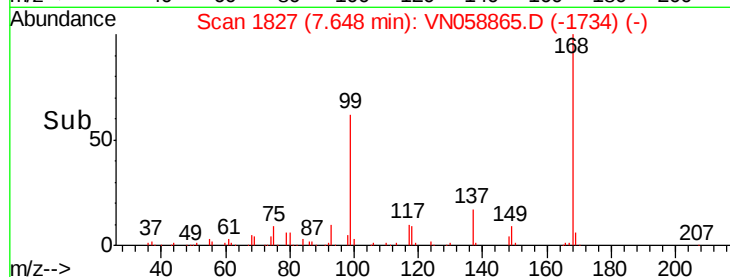
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.275 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058865.D

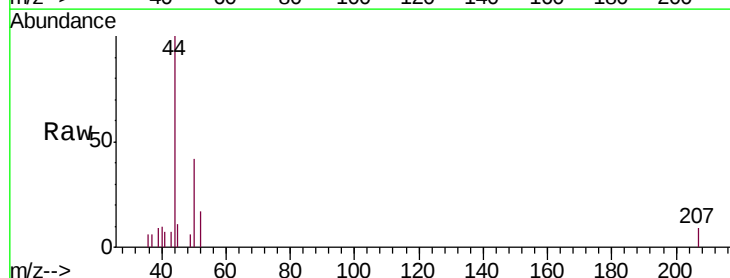
Acq: 18 Oct 2019 17:55

Tgt Ion: 50 Resp: 1706

Ion Ratio Lower Upper

50 100

52 40.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

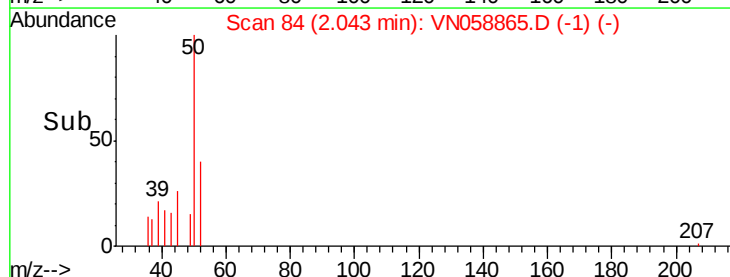
2.04

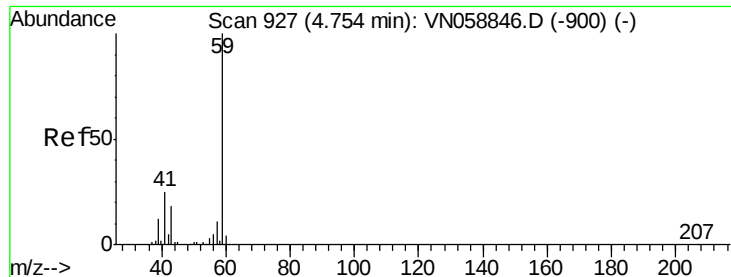
1000

500

0

Time-->

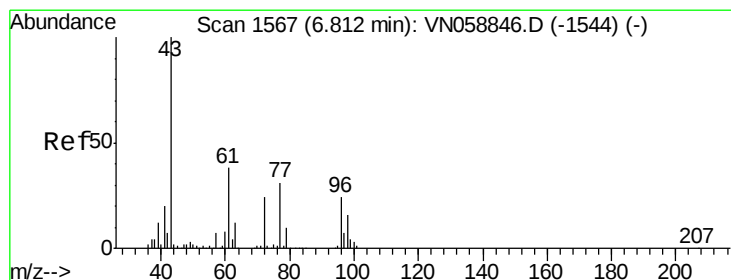
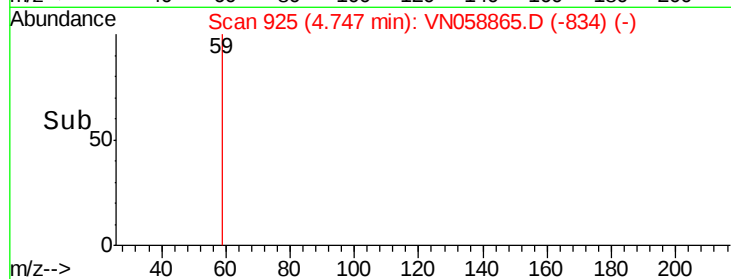
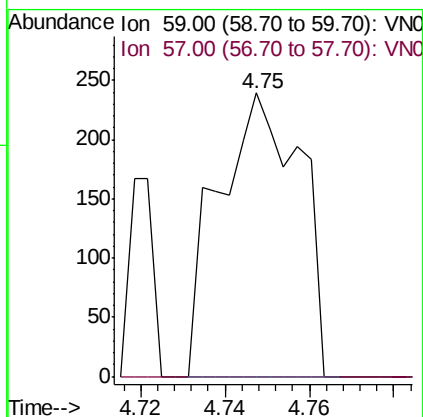
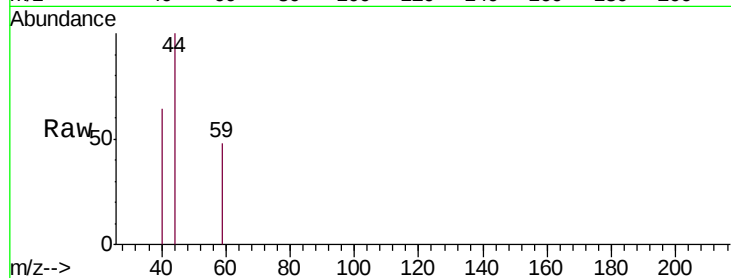




#11
Tert butyl alcohol
Concen: 0.329 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN058865.D
Acq: 18 Oct 2019 17:55

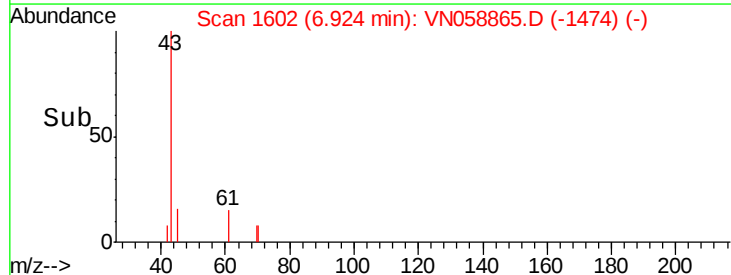
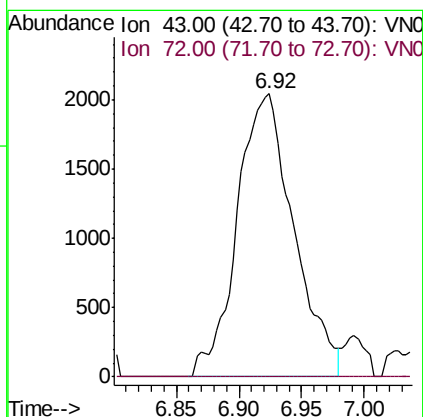
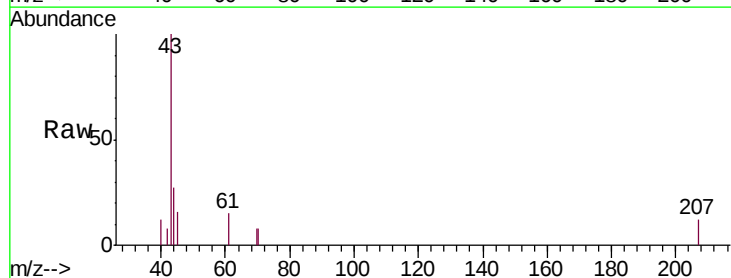
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0421B

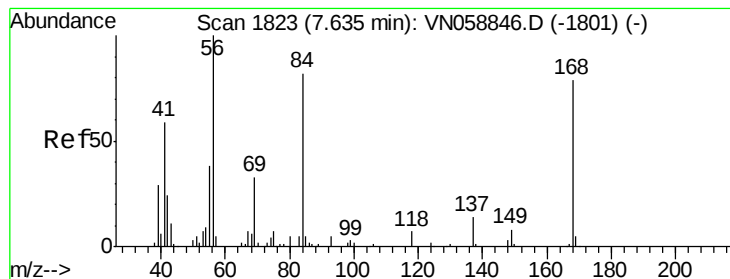
Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#25
2-Butanone
Concen: 1.698 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.11 min
Lab File: VN058865.D
Acq: 18 Oct 2019 17:55

Tgt Ion: 43 Resp: 6428
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421B

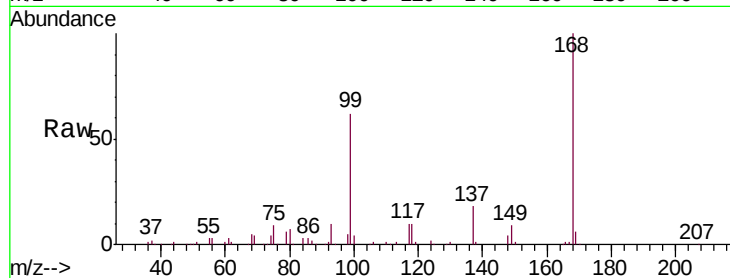
Tgt Ion: 56 Resp: 10011

Ion Ratio Lower Upper

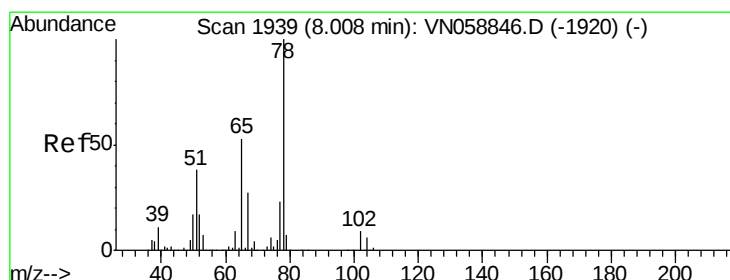
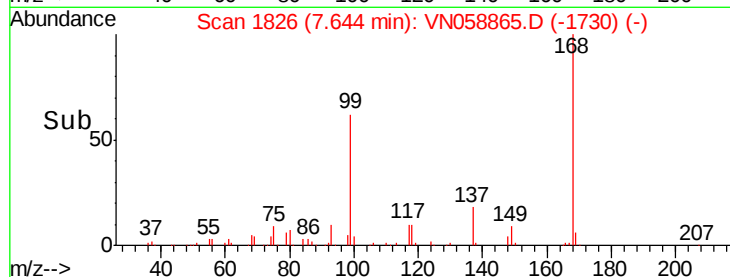
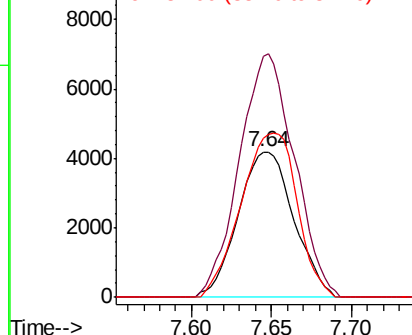
56 100

69 165.7 26.2 39.4#

84 109.4 65.6 98.4#



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: 52.789 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058865.D

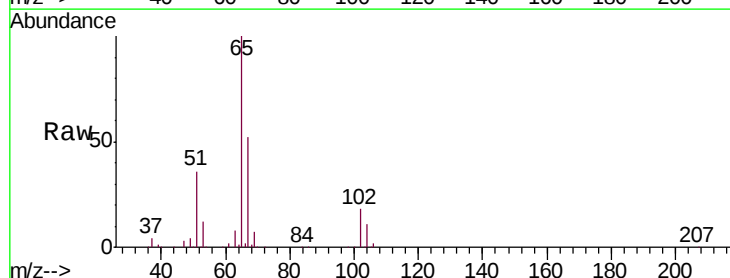
Acq: 18 Oct 2019 17:55

Tgt Ion: 65 Resp: 311494

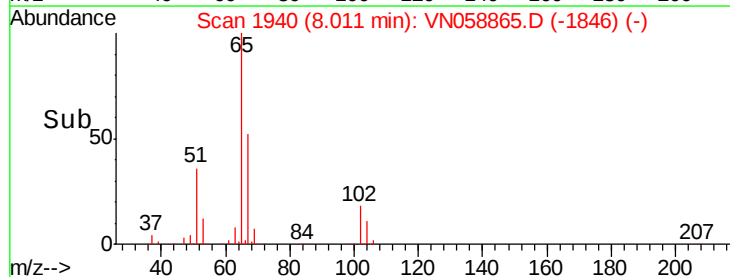
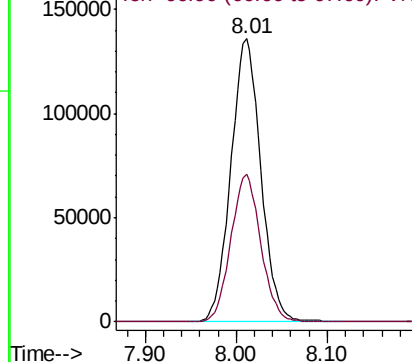
Ion Ratio Lower Upper

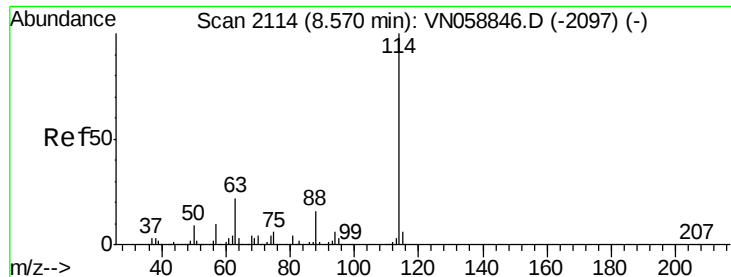
65 100

67 52.0 0.0 103.2



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

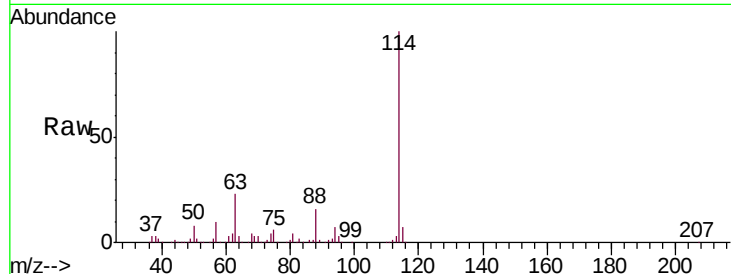




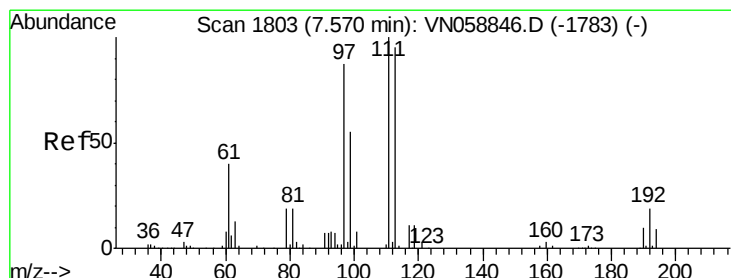
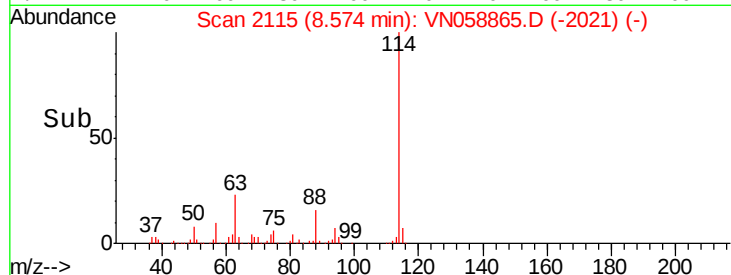
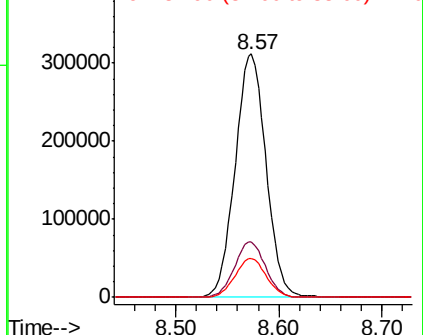
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058865.D
 Acq: 18 Oct 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0421B

Tgt Ion:	114	Resp:	650523
Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.4
88	16.1	0.0	31.4

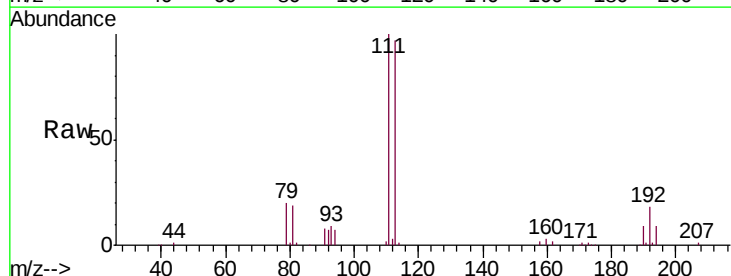


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

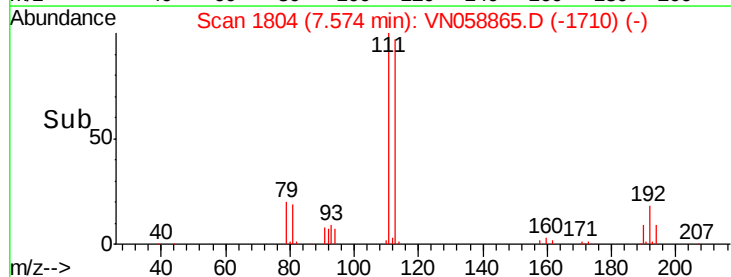
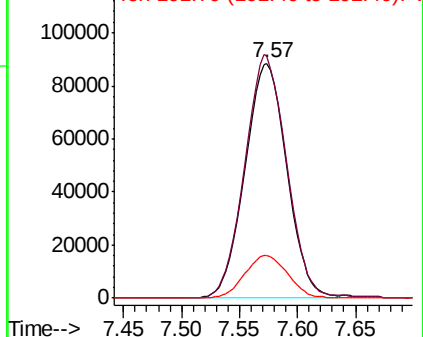


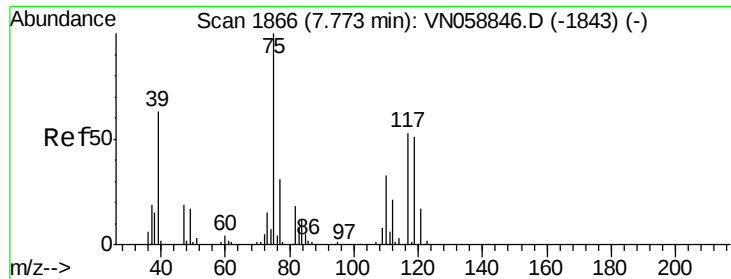
#35
 Dibromofluoromethane
 Concen: 52.087 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058865.D
 Acq: 18 Oct 2019 17:55

Tgt Ion:	113	Resp:	222776
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	18.6	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

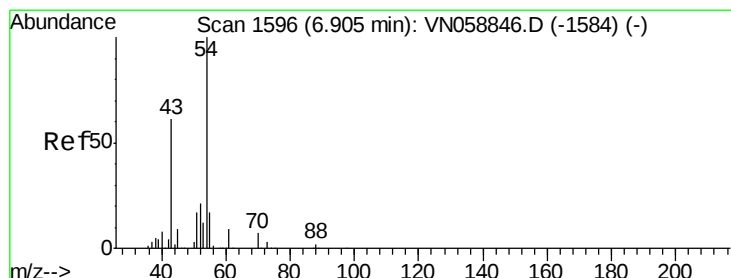
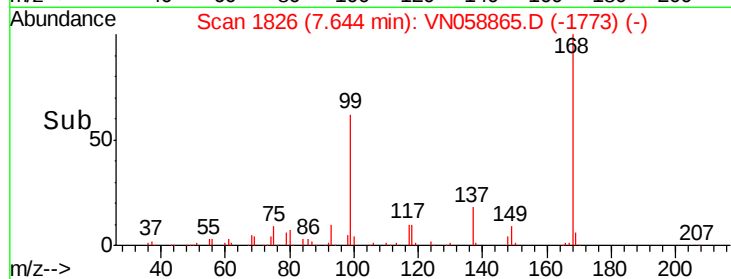
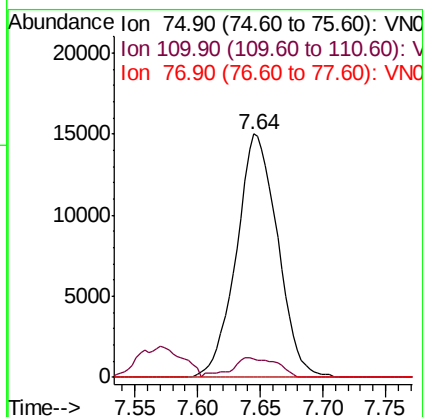
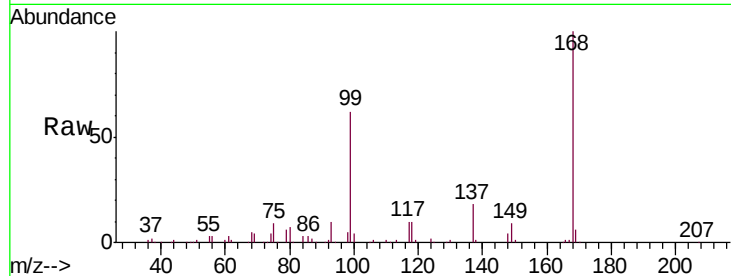




#36
 1,1-Dichloropropene
 Concen: 5.139 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058865.D
 Acq: 18 Oct 2019 17:55

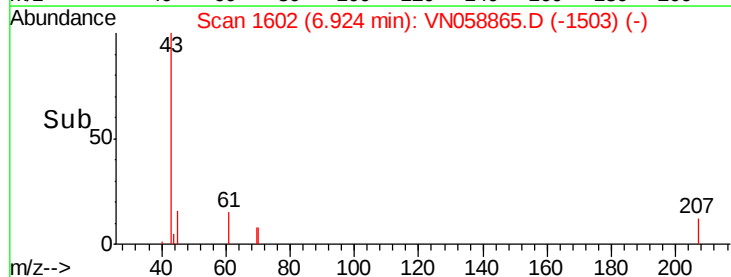
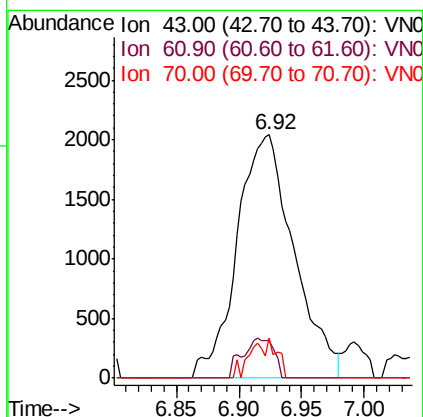
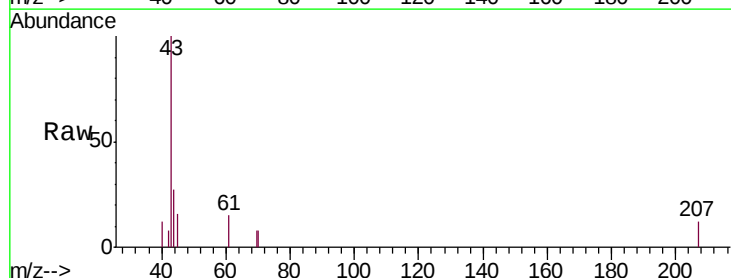
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0421B

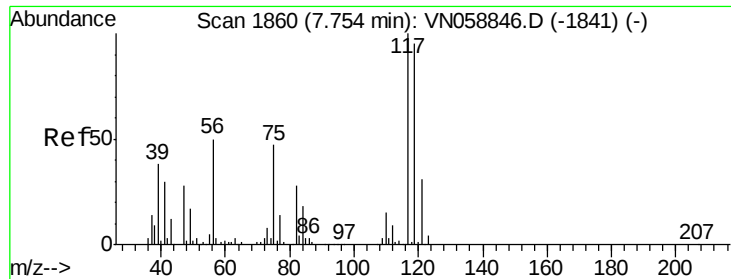
Tgt Ion: 75 Resp: 34225
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.3 48.9#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 0.886 ug/l
 RT: 6.92 min Scan# 1602
 Delta R.T. 0.02 min
 Lab File: VN058865.D
 Acq: 18 Oct 2019 17:55

Tgt Ion: 43 Resp: 6428
 Ion Ratio Lower Upper
 43 100
 61 9.0 10.5 15.7#
 70 4.5 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 5.997 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.10 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421B

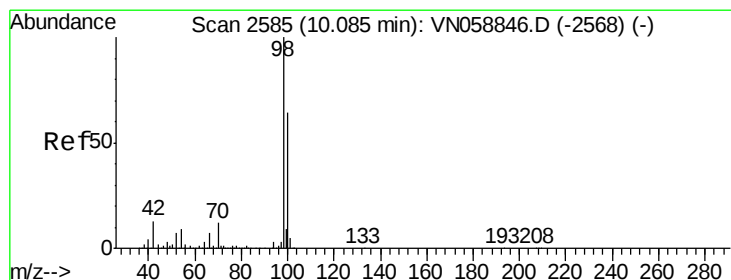
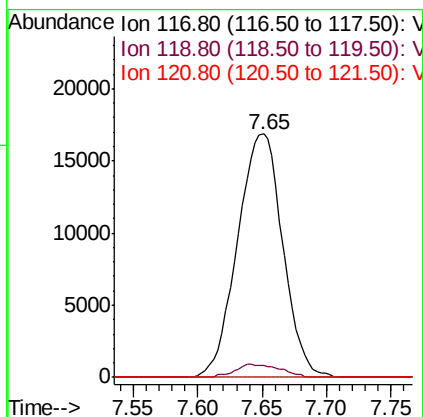
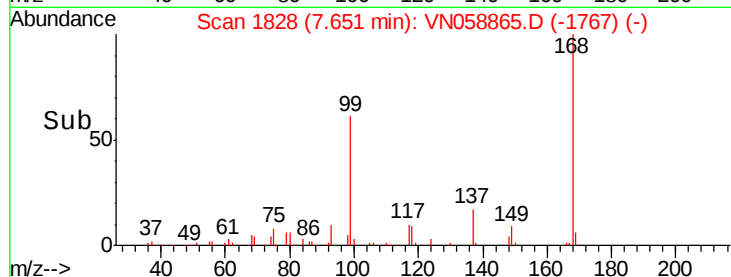
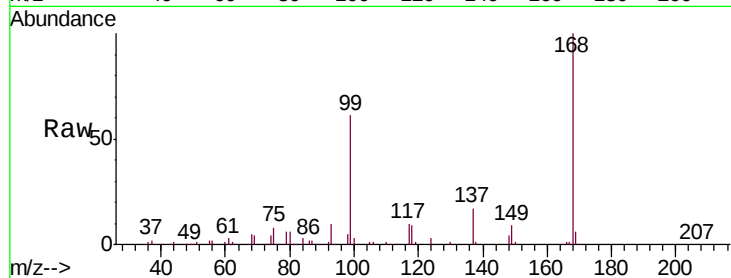
Tgt Ion:117 Resp: 41143

Ion Ratio Lower Upper

117 100

119 5.0 75.7 113.5#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 50.527 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058865.D

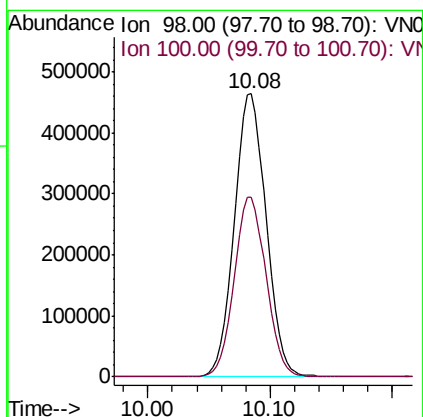
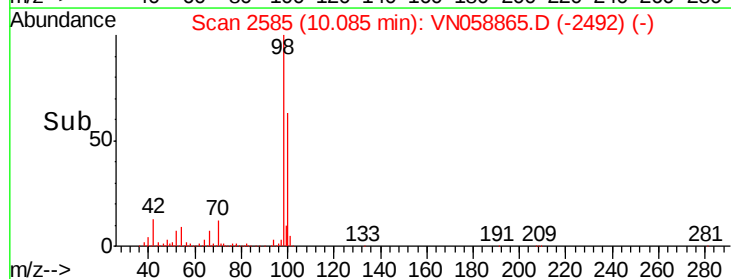
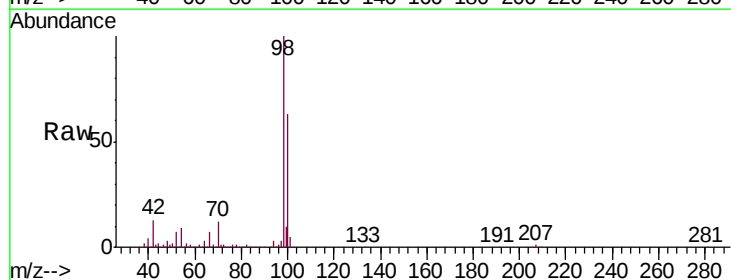
Acq: 18 Oct 2019 17:55

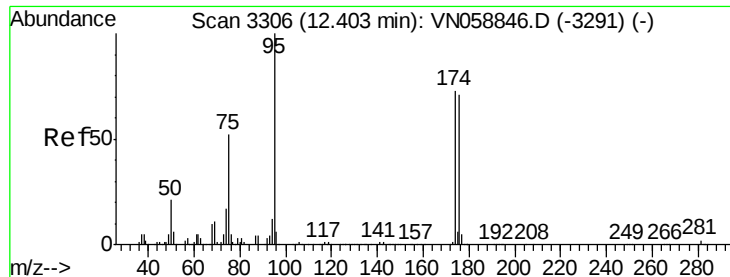
Tgt Ion: 98 Resp: 838882

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 43.741 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421B

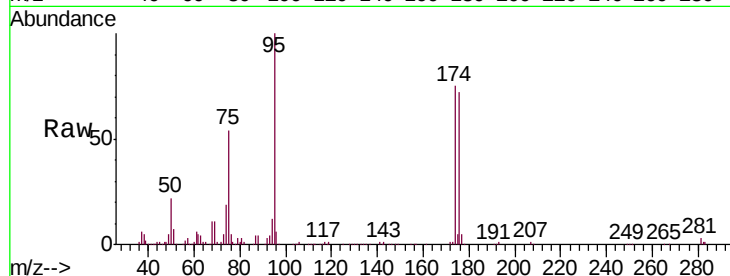
Tgt Ion: 95 Resp: 266690

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

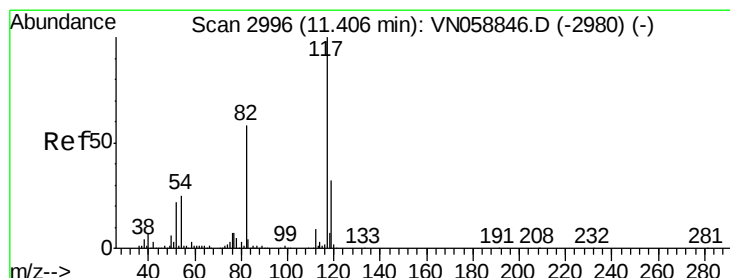
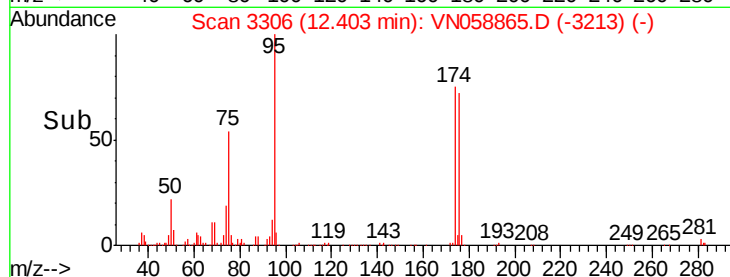
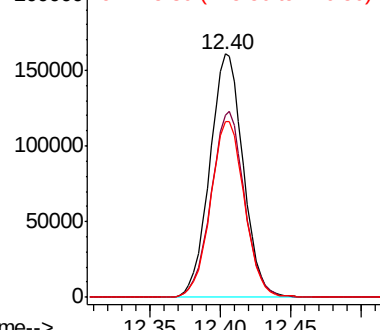
176 73.6 0.0 143.2



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: VN058865.D

Acq: 18 Oct 2019 17:55

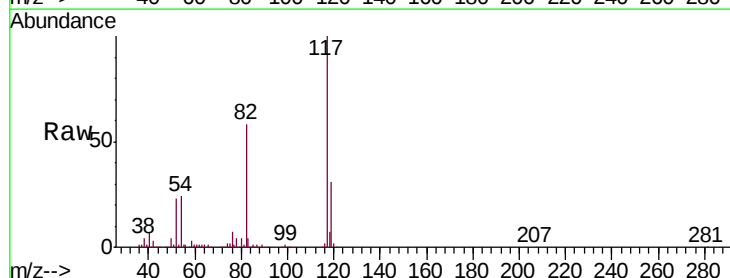
Tgt Ion: 117 Resp: 581428

Ion Ratio Lower Upper

117 100

82 58.3 46.6 69.8

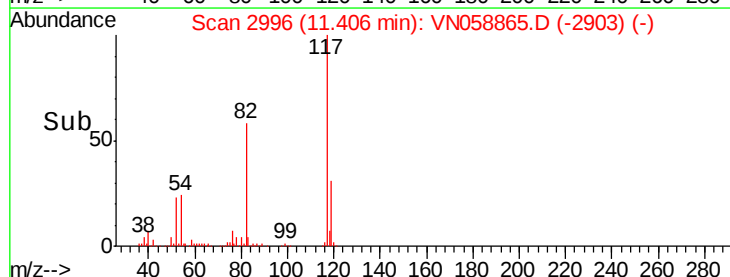
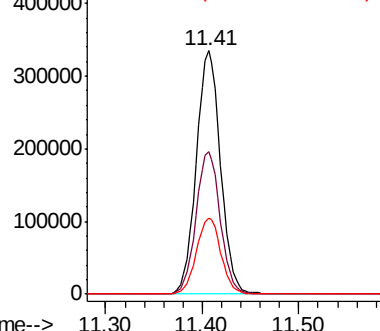
119 31.2 25.6 38.4

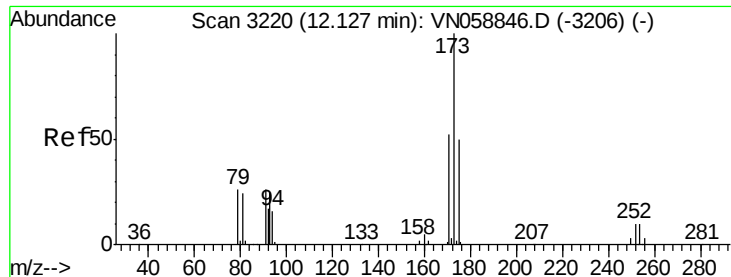


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.549 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0421B

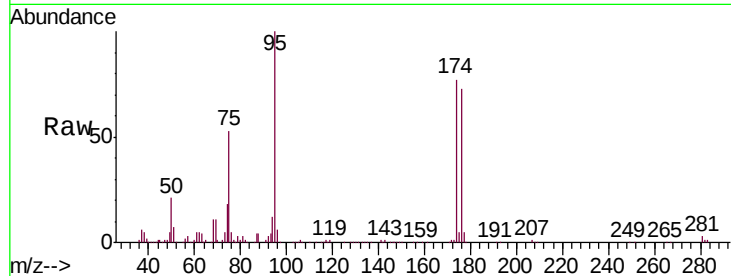
Tgt Ion:173 Resp: 1902

Ion Ratio Lower Upper

173 100

175 631.3 24.7 74.1#

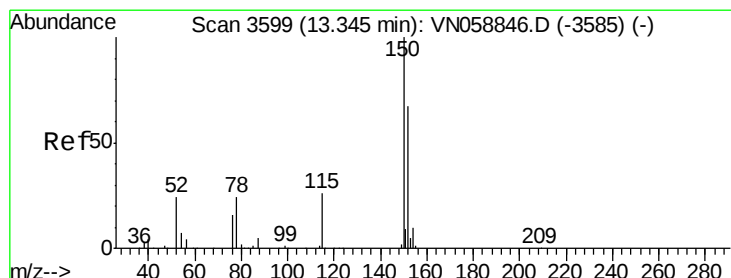
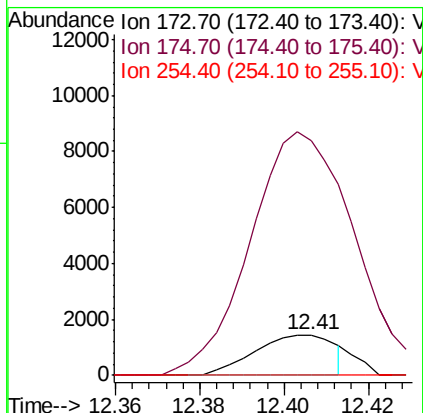
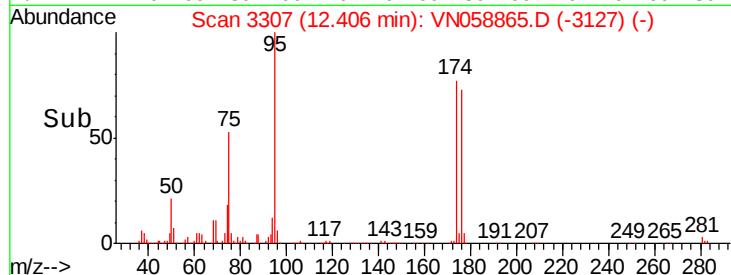
254 0.0 0.0 0.0



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# 3600

Delta R.T. 0.00 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

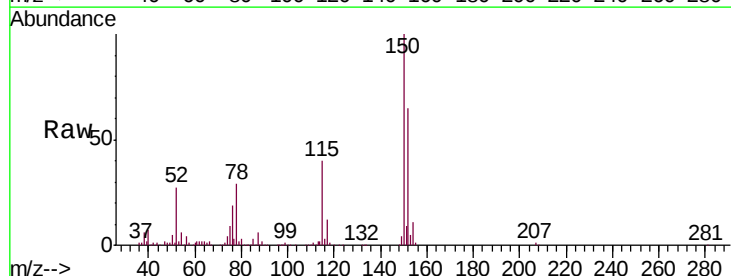
Tgt Ion:152 Resp: 214518

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

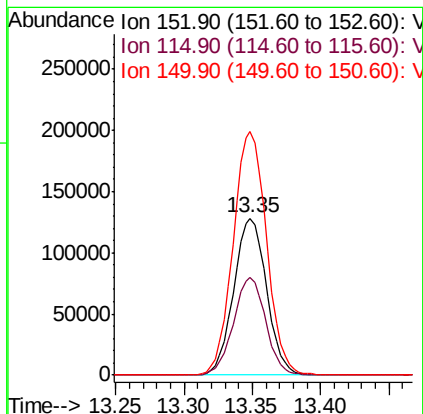
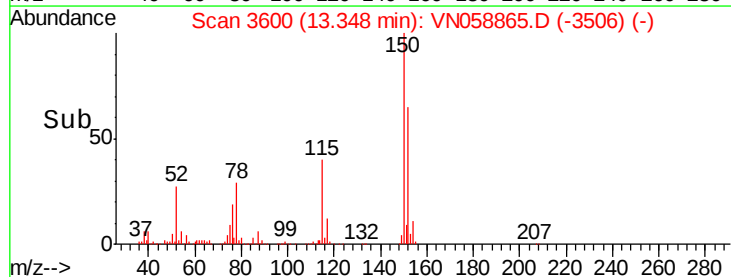
150 158.1 0.0 344.4

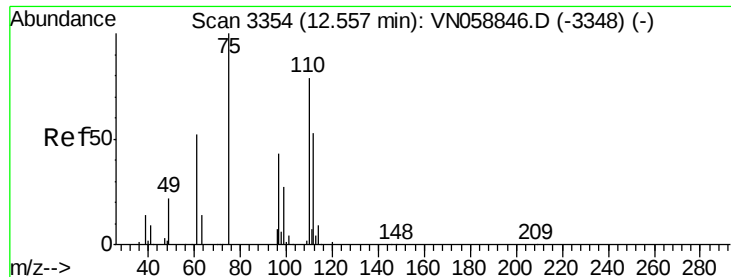


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.987 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

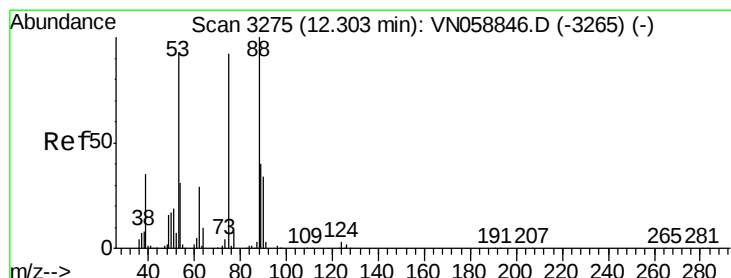
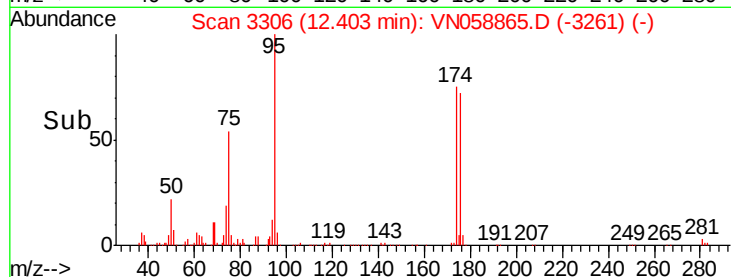
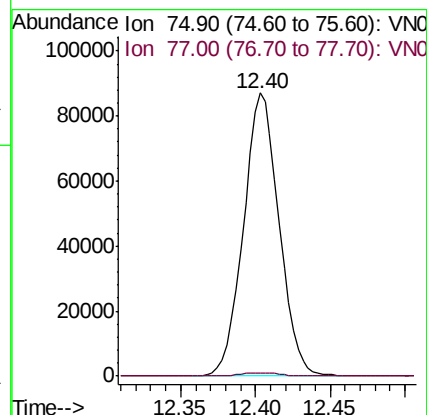
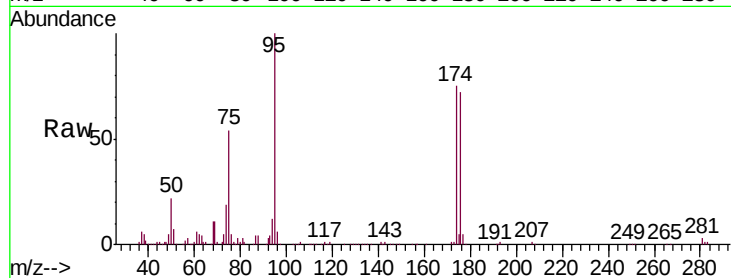
FA19-MMW0421B

Tgt Ion: 75 Resp: 144113

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.513 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058865.D

Acq: 18 Oct 2019 17:55

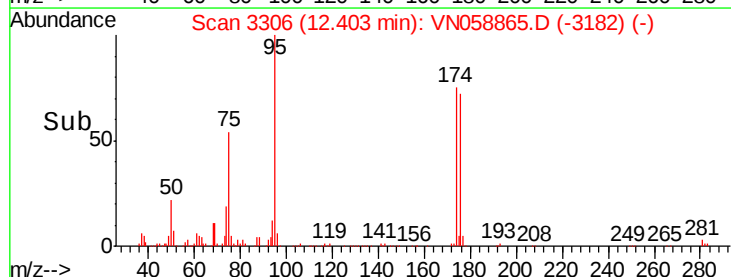
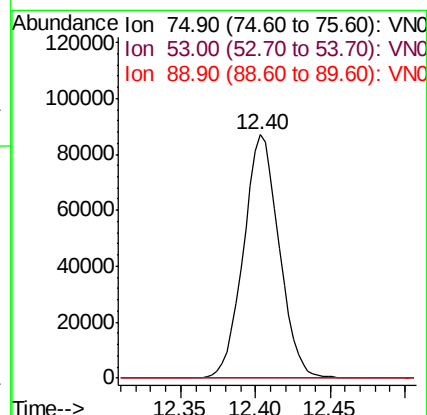
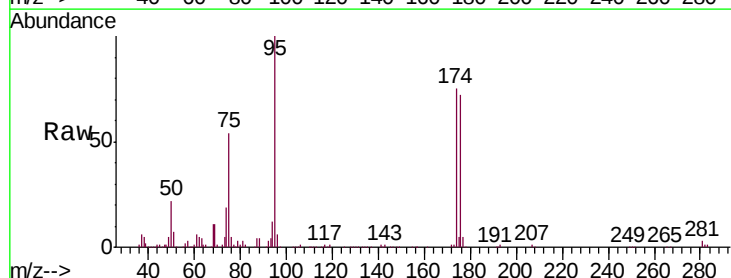
Tgt Ion: 75 Resp: 144113

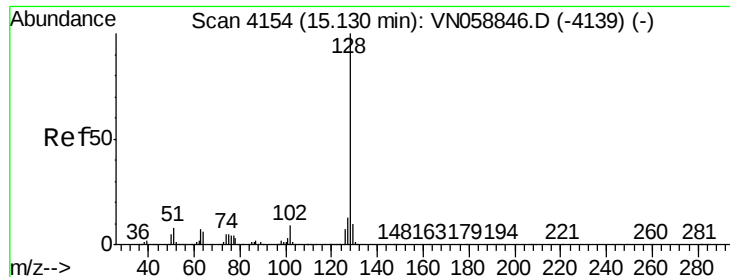
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 35.4 53.0#

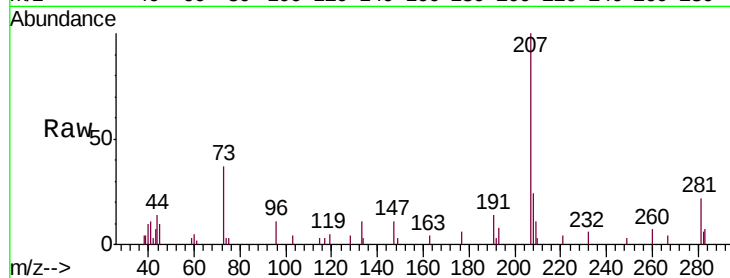




#95
 Naphthalene
 Concen: 2.245 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058865.D
 Acq: 18 Oct 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0421B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.4	12.6#



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

