

Data File : VN058870.D
Acq On : 18 Oct 2019 19:45
Operator : JC/SP
Sample : K5452-13
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7812B

Quant Time: Oct 21 08:03:45 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	389126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	625832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	562153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	302076	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	7.57	113	215639	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.08	98	805725	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	253302	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	

Target Compounds

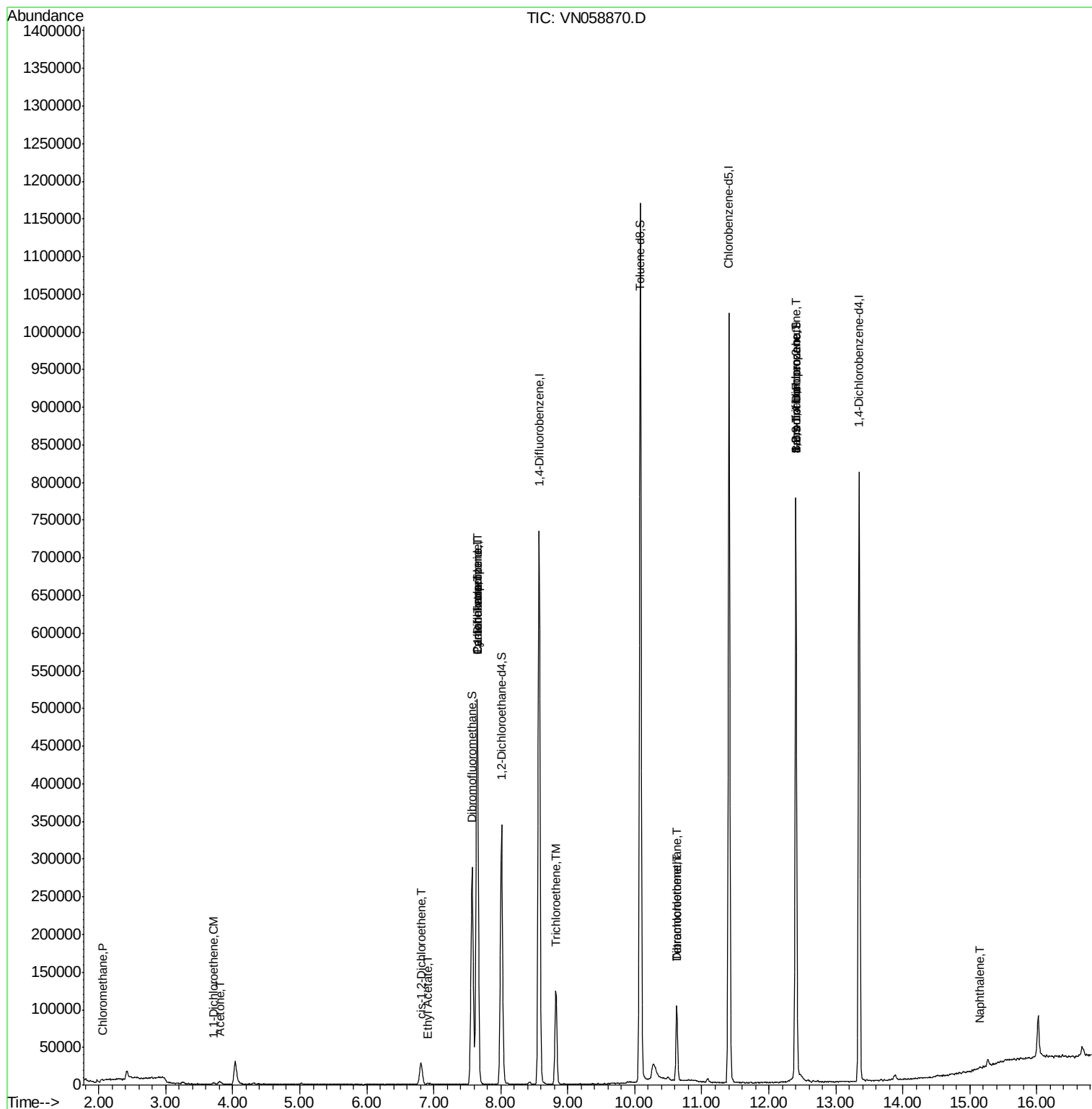
						Qvalue
3) Chloromethane	2.04	50	1727	0.287	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	1161	0.303	ug/l #	65
16) Acetone	3.80	43	8040	2.851	ug/l	89
27) cis-1,2-Dichloroethene	6.81	96	18718	3.868	ug/l	85
31) Cyclohexane	7.65	56	9745	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34256	5.346	ug/l #	50
37) Ethyl Acetate	6.91	43	1809	0.259	ug/l #	70
38) Carbon Tetrachloride	7.65	117	40048	6.067	ug/l #	17
44) Trichloroethene	8.82	130	45104	9.841	ug/l	99
60) Dibromochloromethane	10.63	129	20251	4.093	ug/l #	10
64) Tetrachloroethene	10.63	164	21831	5.545	ug/l	96
71) Bromoform	12.41	173	1634	0.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	138141	28.757	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	138141	74.915	ug/l #	10
95) Naphthalene	15.13	128	192	2.241	ug/l #	70

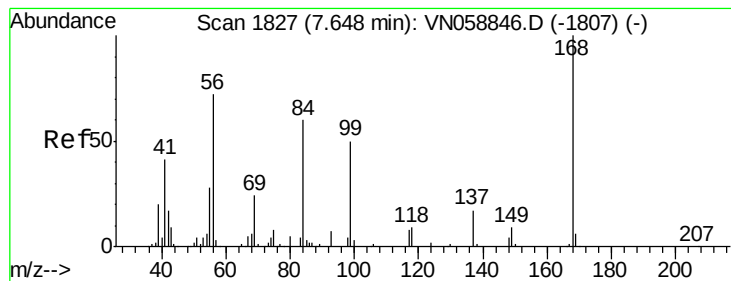
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

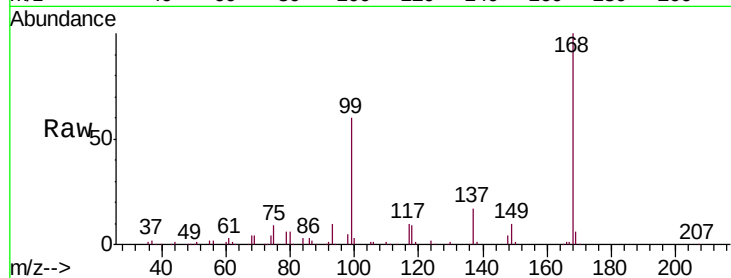
FA19-JBW7812B

Tgt Ion:168 Resp: 389126

Ion Ratio Lower Upper

168 100

99 59.7 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

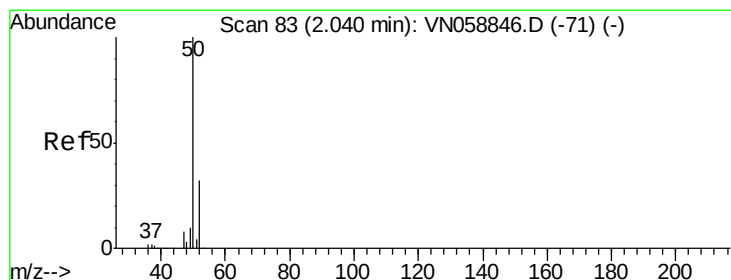
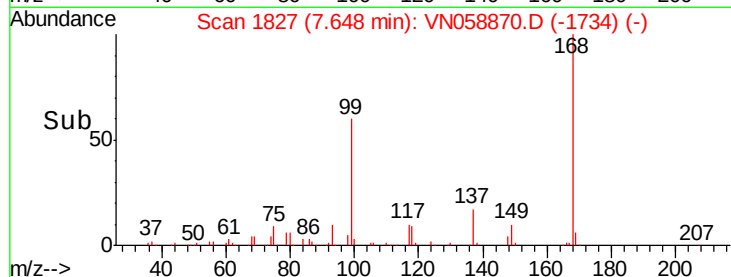
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.287 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058870.D

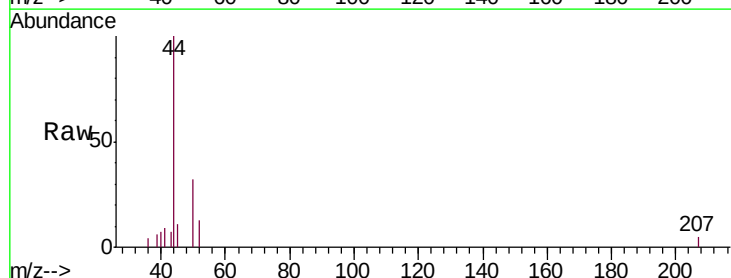
Acq: 18 Oct 2019 19:45

Tgt Ion: 50 Resp: 1727

Ion Ratio Lower Upper

50 100

52 39.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

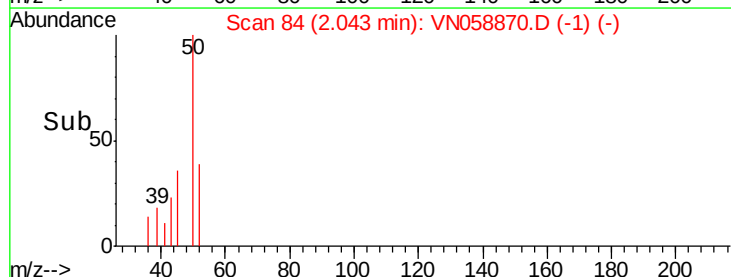
2.04

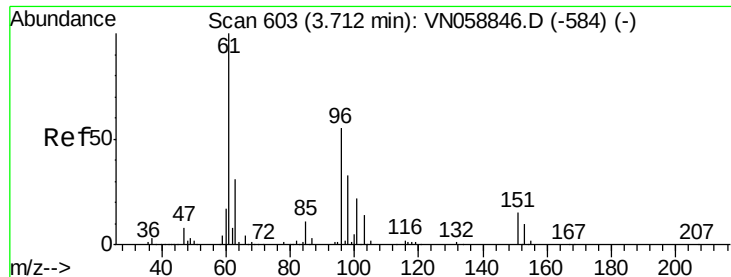
1000

500

0

Time--> 2.00 2.05

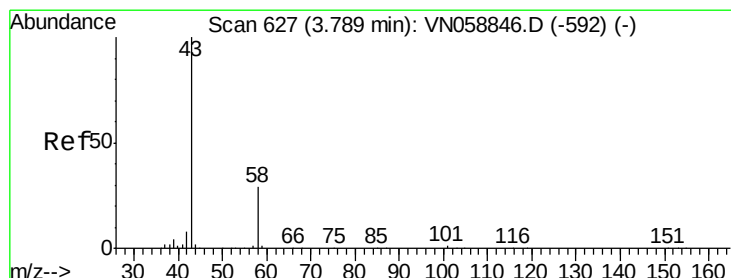
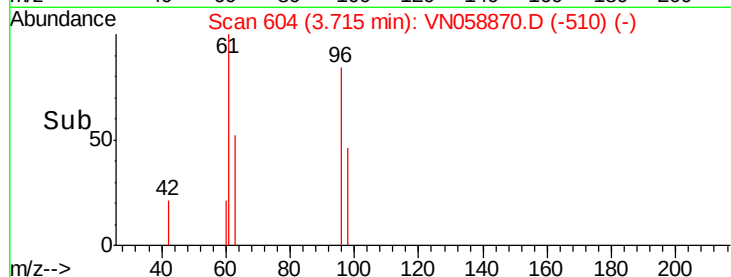
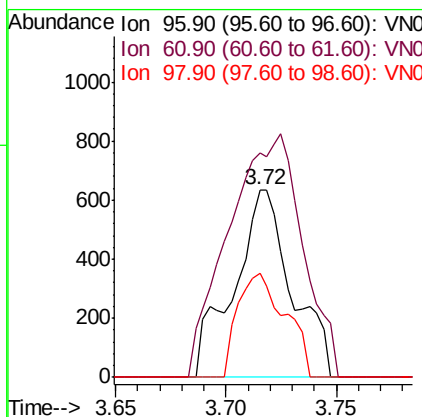
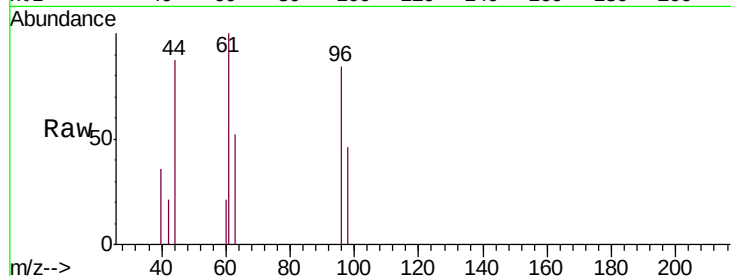




#12
 1,1-Dichloroethene
 Concen: 0.303 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

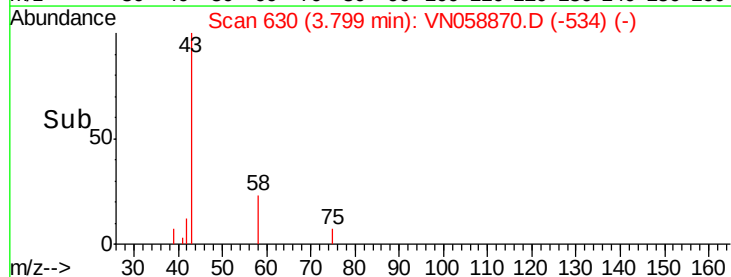
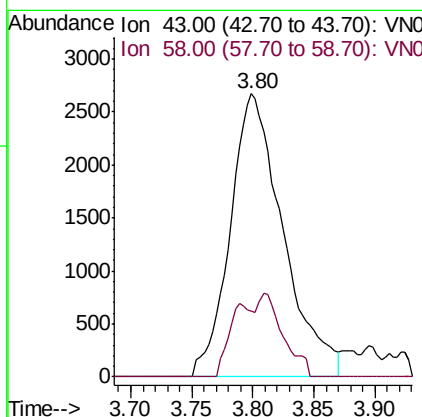
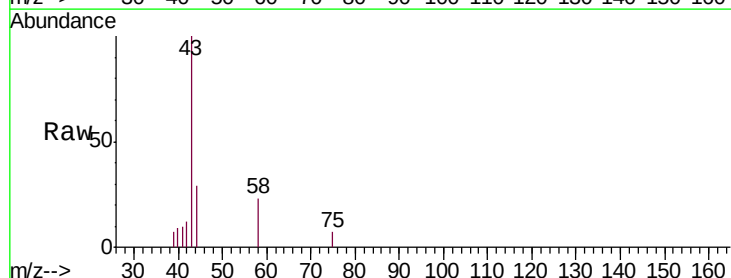
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7812B

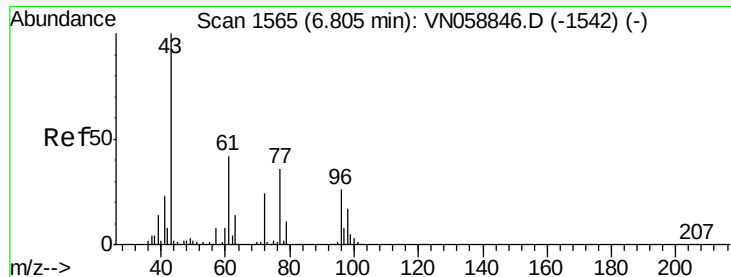
Tgt Ion: 96 Resp: 1161
 Ion Ratio Lower Upper
 96 100
 61 119.3 146.2 219.2#
 98 55.2 48.7 73.1



#16
 Acetone
 Concen: 2.851 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

Tgt Ion: 43 Resp: 8040
 Ion Ratio Lower Upper
 43 100
 58 23.2 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 3.868 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7812B

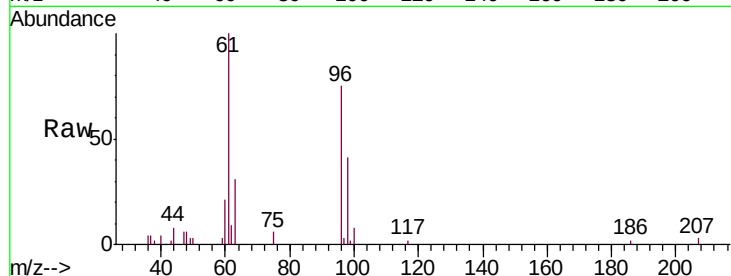
Tgt Ion: 96 Resp: 18718

Ion Ratio Lower Upper

96 100

61 138.1 0.0 325.0

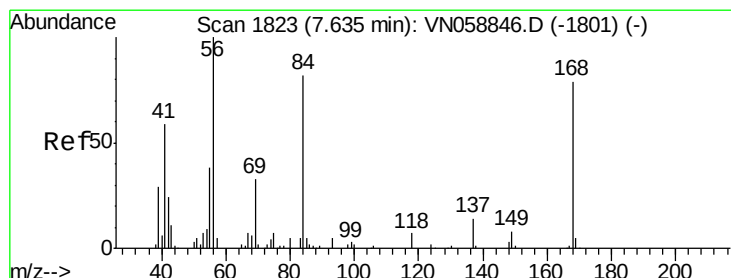
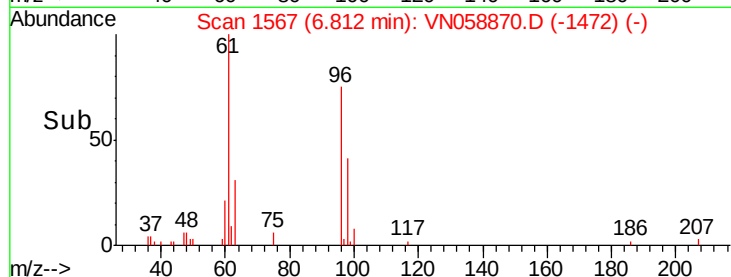
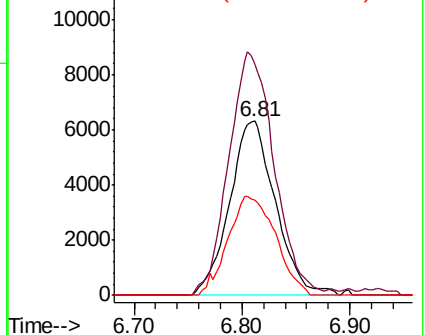
98 58.8 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

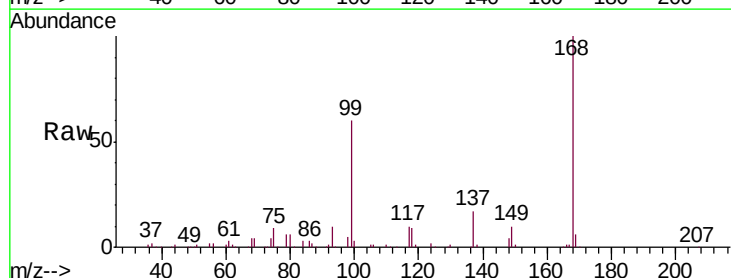
Tgt Ion: 56 Resp: 9745

Ion Ratio Lower Upper

56 100

69 173.0 26.2 39.4#

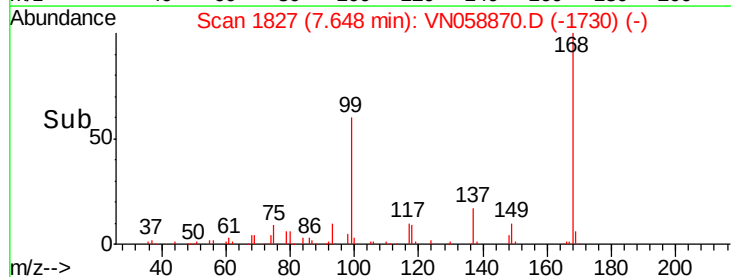
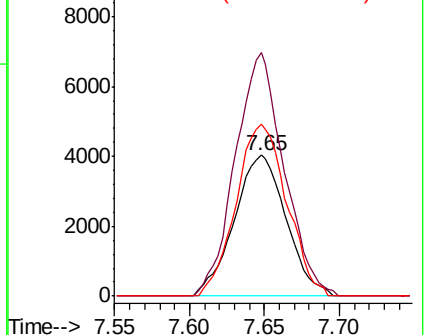
84 122.3 65.6 98.4#

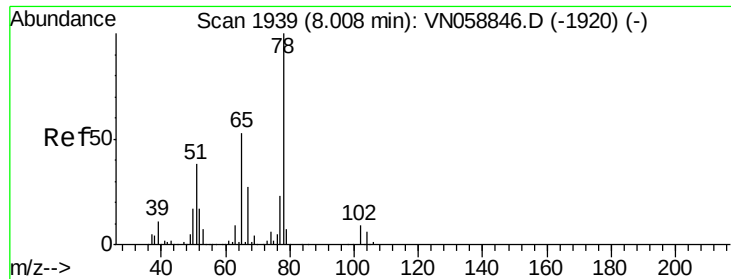


Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN058846.D (-1801) (-)

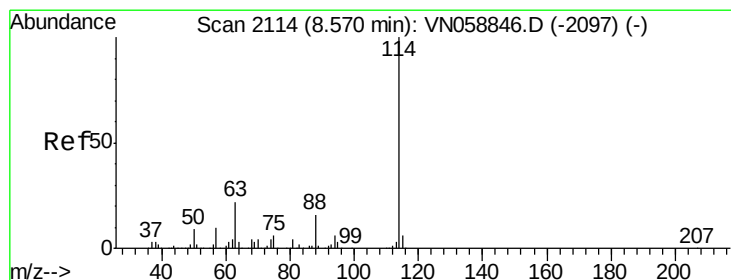
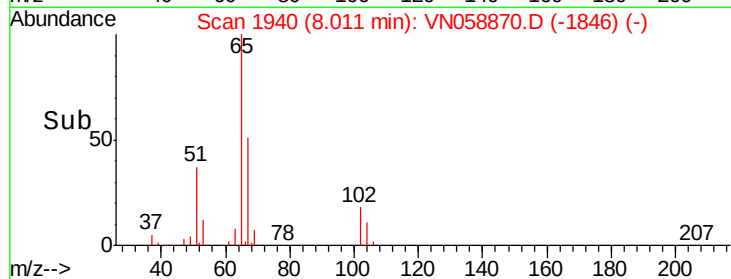
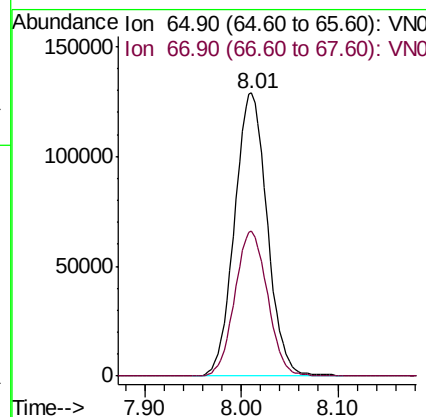
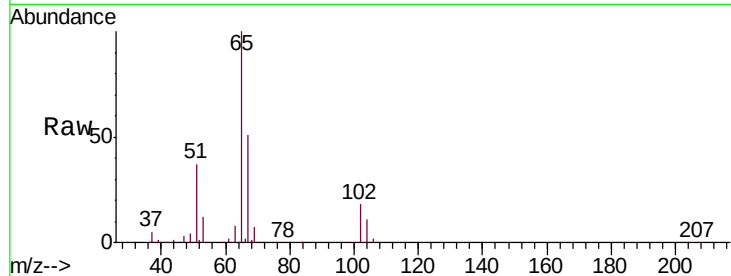




#33
 1,2-Dichloroethane-d4
 Concen: 52.930 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

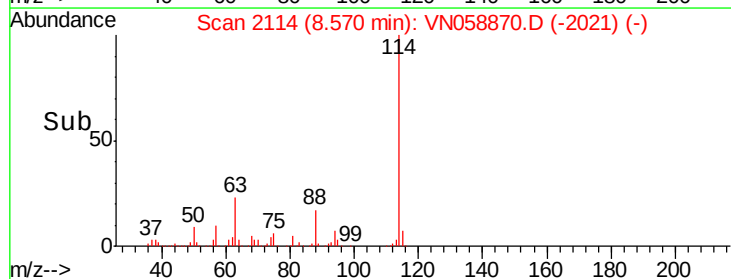
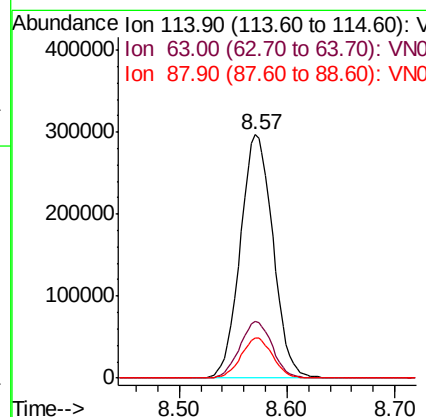
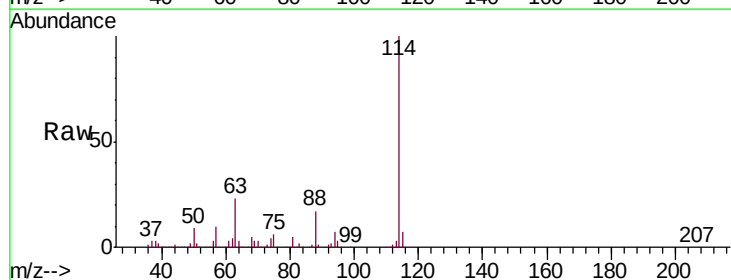
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7812B

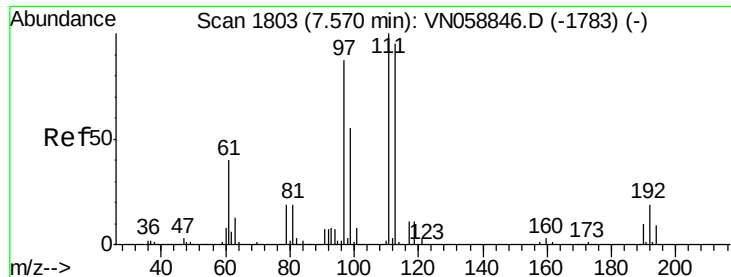
Tgt Ion: 65 Resp: 302076
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

Tgt Ion: 114 Resp: 625832
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 44.4
 88 16.5 0.0 31.4

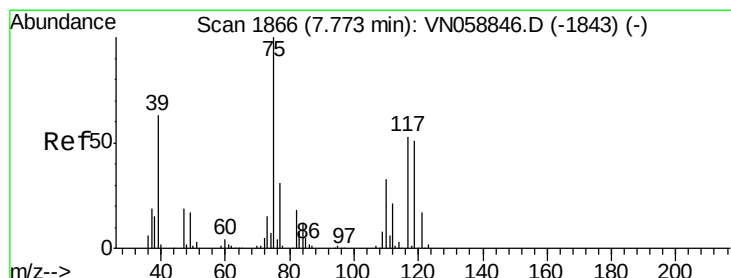
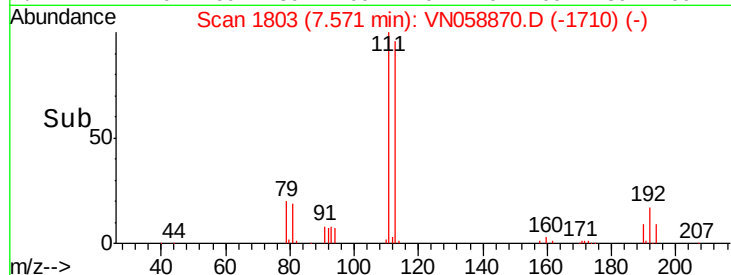
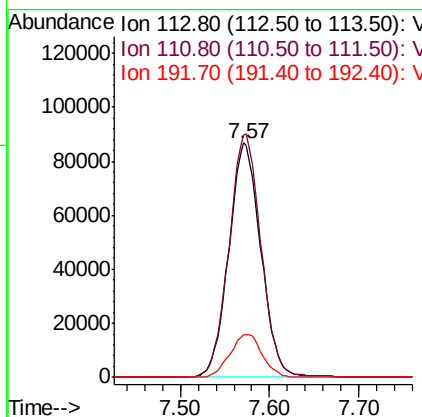
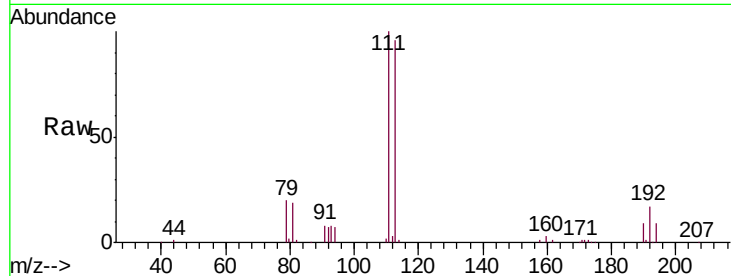




#35
 Dibromofluoromethane
 Concen: 52.407 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

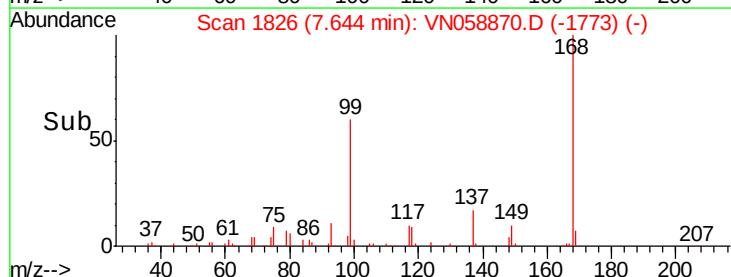
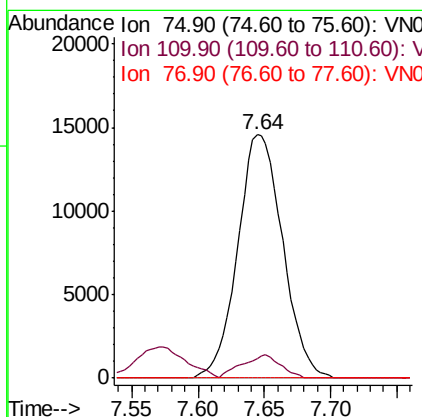
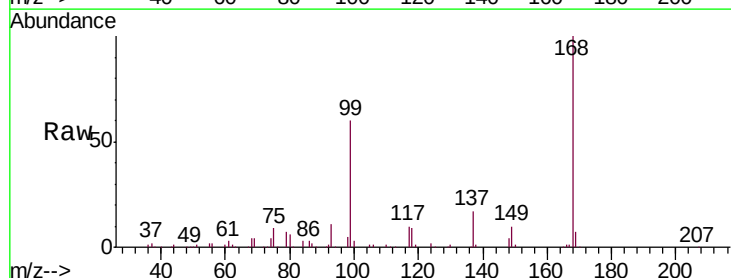
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7812B

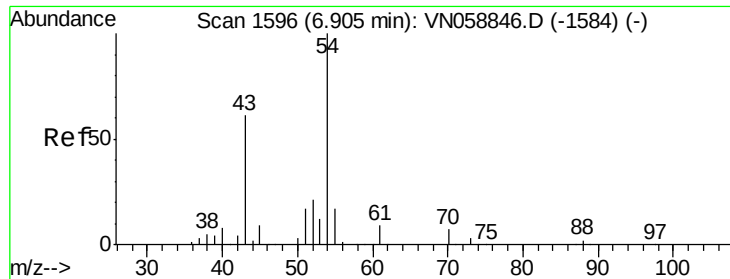
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.0	123.0
192	18.5	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.346 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.3	48.9#
77	0.0	24.6	36.8#

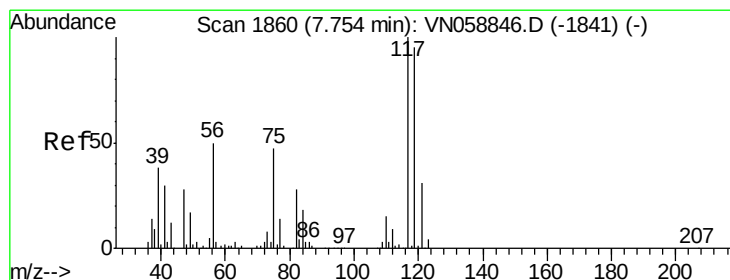
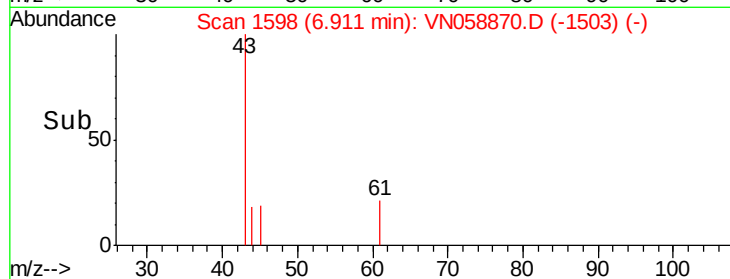
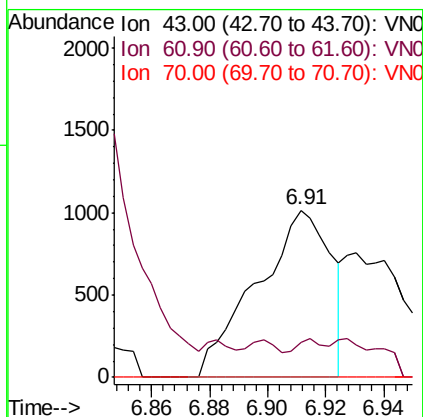
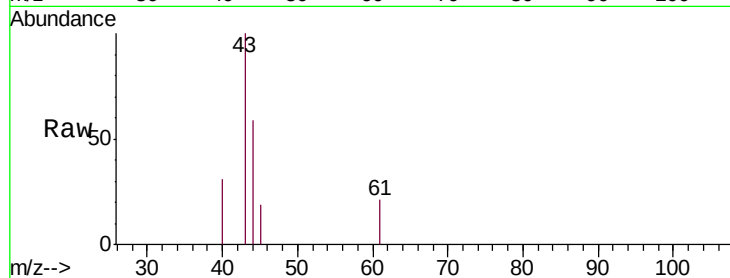




#37
Ethyl Acetate
 Concen: 0.259 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

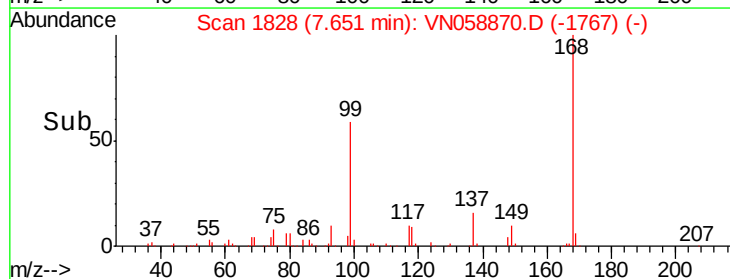
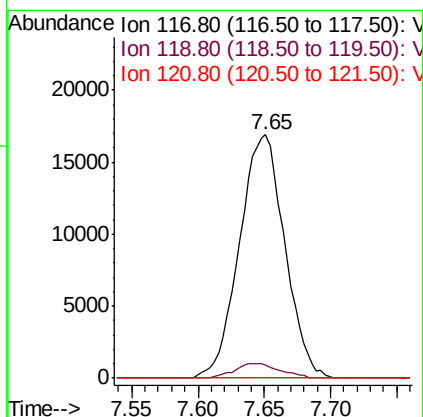
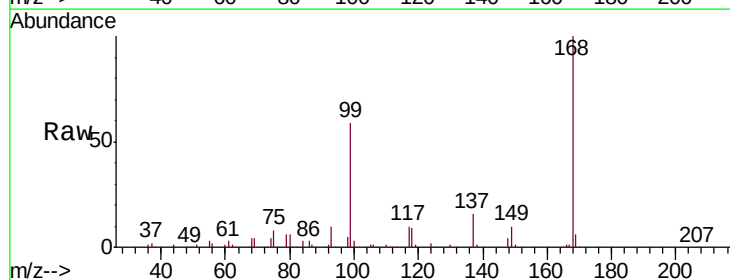
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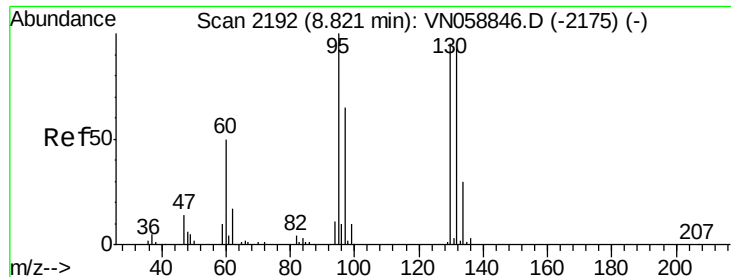
Tgt Ion: 43 Resp: 1809
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
 Concen: 6.067 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.10 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

Tgt Ion: 117 Resp: 40048
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.7 113.5#
 121 0.0 25.0 37.6#





#44

Trichloroethene

Concen: 9.841 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

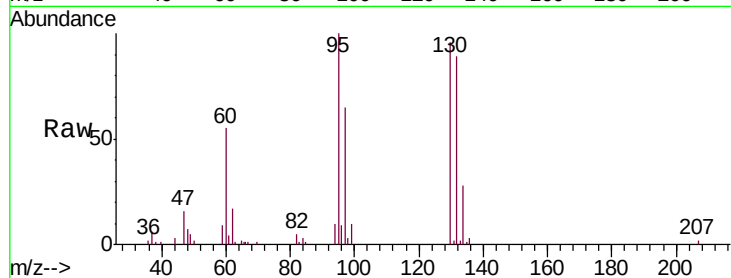
FA19-JBW7812B

Tgt Ion:130 Resp: 45104

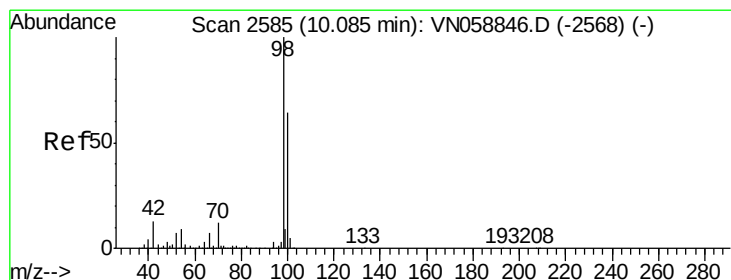
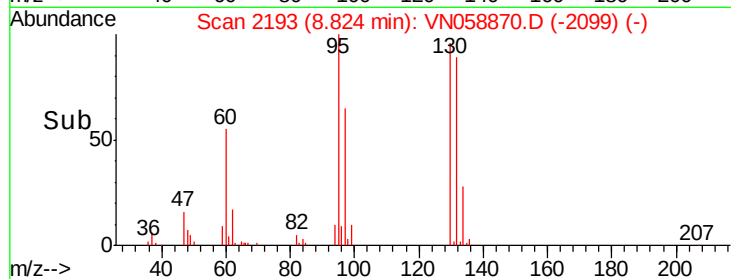
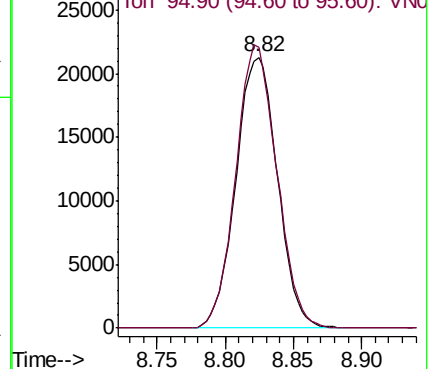
Ion Ratio Lower Upper

130 100

95 103.8 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058870.D (-2099) (-)



#50

Toluene-d8

Concen: 50.444 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058870.D

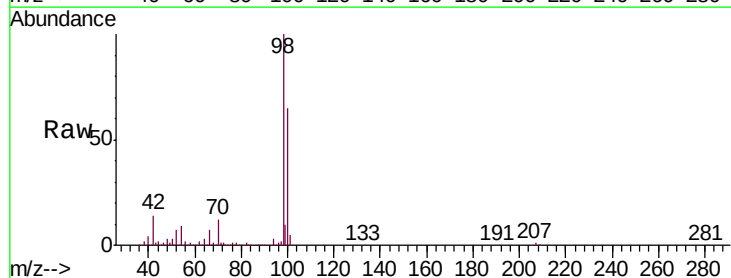
Acq: 18 Oct 2019 19:45

Tgt Ion: 98 Resp: 805725

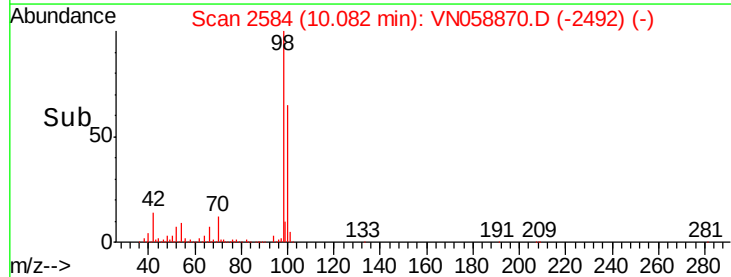
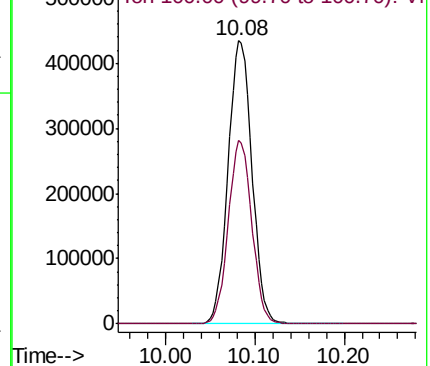
Ion Ratio Lower Upper

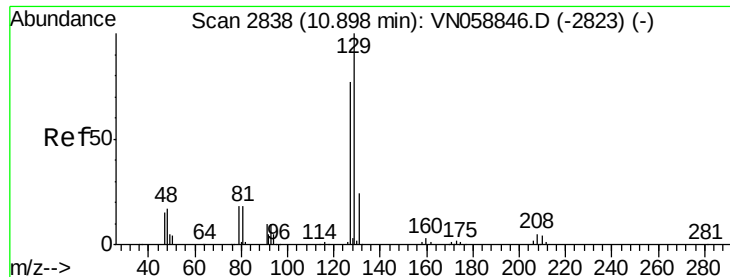
98 100

100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058870.D (-2492) (-)

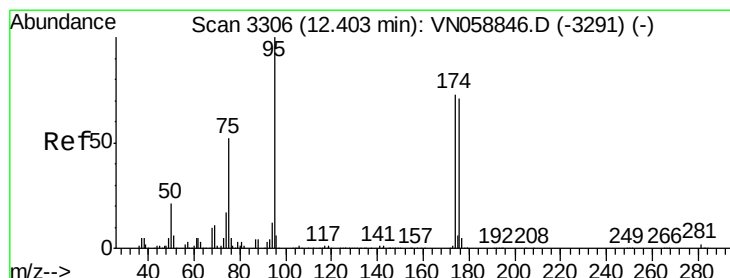
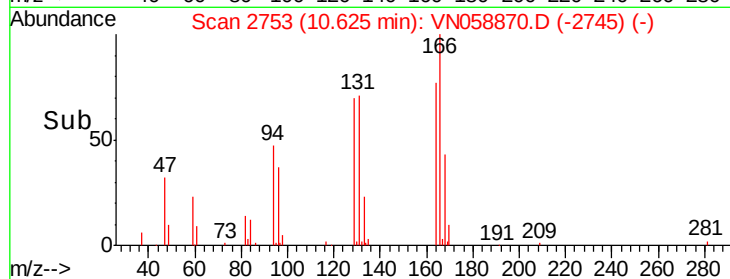
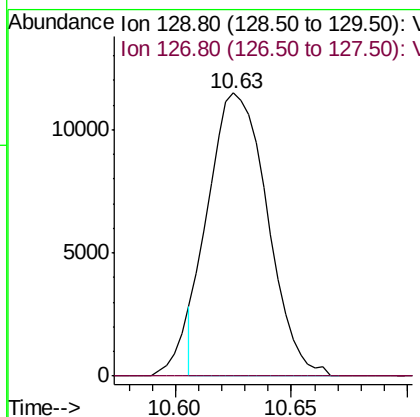
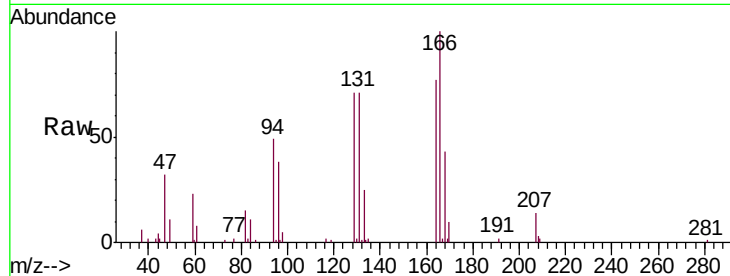




#60
 Dibromochloromethane
 Concen: 4.093 ug/l
 RT: 10.63 min Scan# 2753
 Delta R.T. -0.27 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

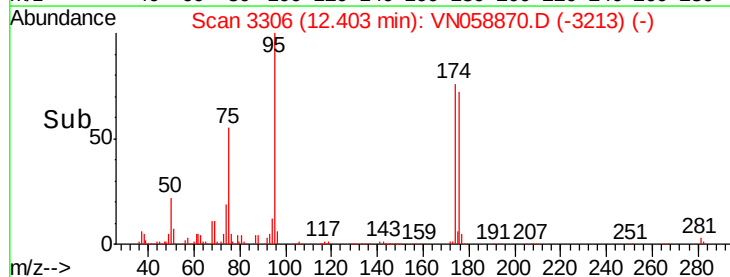
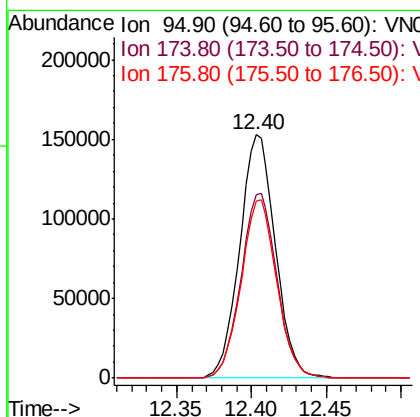
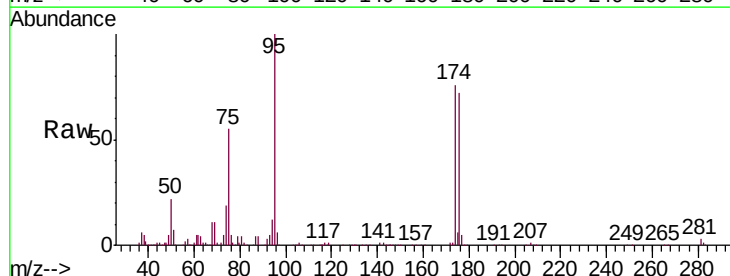
Instrument :
 MSVOA_N
 ClientSampled :
 FA19-JBW7812B

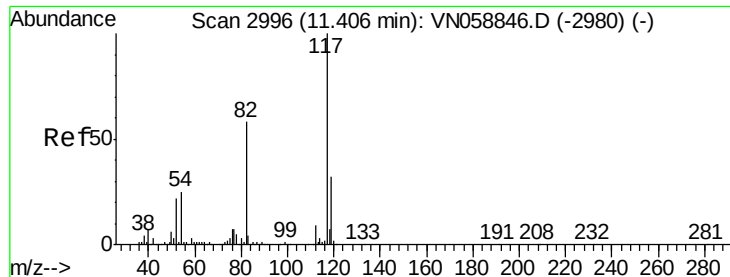
Tgt Ion: 129 Resp: 20251
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.3#



#62
 4-Bromofluorobenzene
 Concen: 43.185 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

Tgt Ion: 95 Resp: 253302
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 147.6
 176 73.7 0.0 143.2

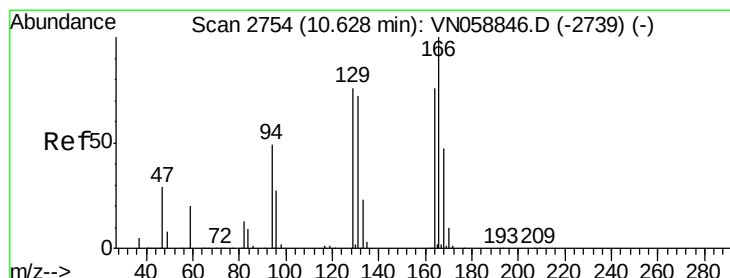
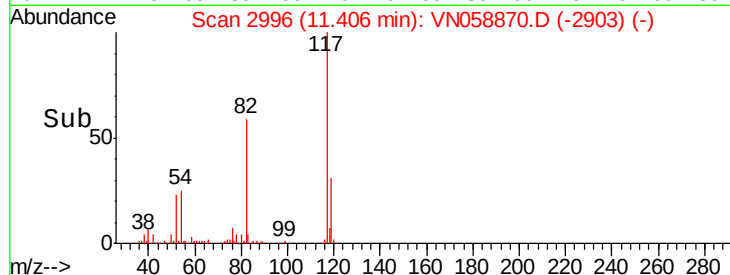
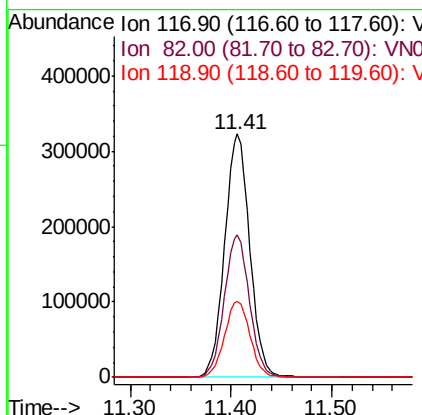
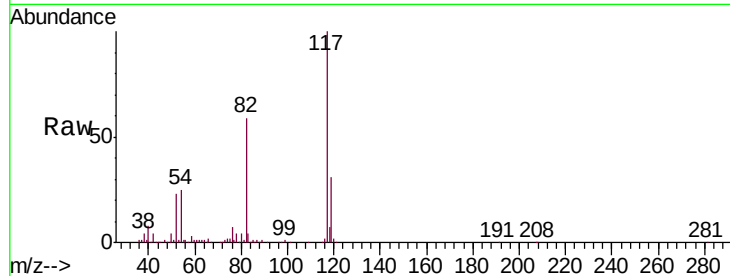




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058870.D
Acq: 18 Oct 2019 19:45

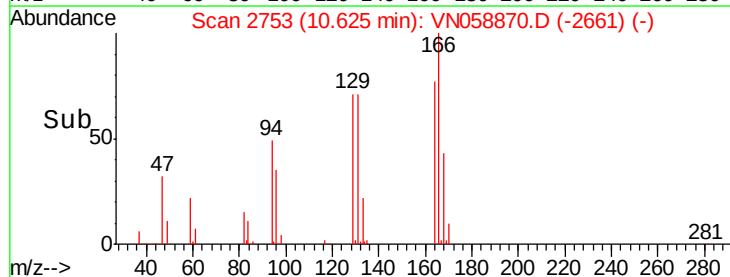
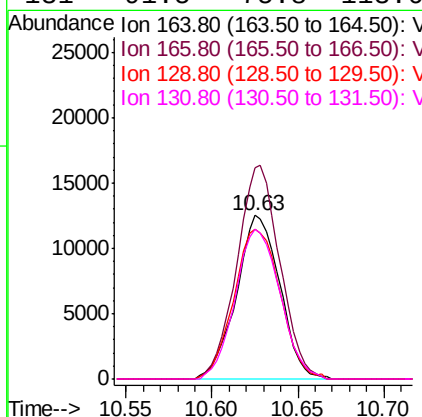
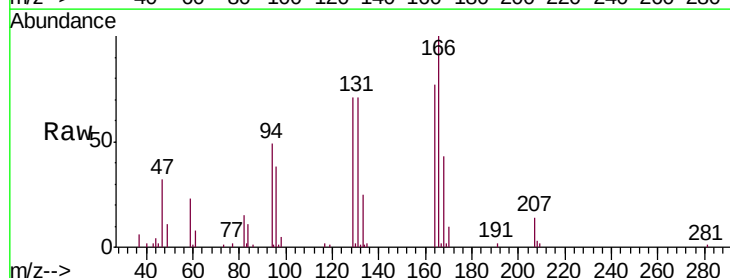
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7812B

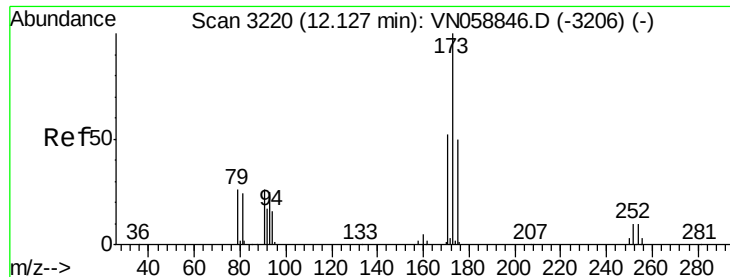
Tgt Ion:117 Resp: 562153
Ion Ratio Lower Upper
117 100
82 58.7 46.6 69.8
119 31.5 25.6 38.4



#64
Tetrachloroethene
Concen: 5.545 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058870.D
Acq: 18 Oct 2019 19:45

Tgt Ion:164 Resp: 21831
Ion Ratio Lower Upper
164 100
166 129.3 104.8 157.2
129 91.9 79.3 118.9
131 91.5 75.8 113.6





#71

Bromoform

Concen: 0.488 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7812B

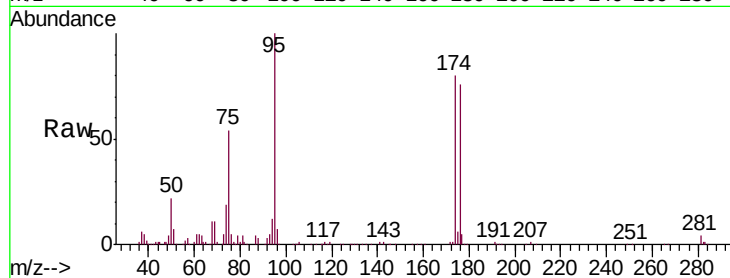
Tgt Ion:173 Resp: 1634

Ion Ratio Lower Upper

173 100

175 710.9 24.7 74.1#

254 0.0 0.0 0.0

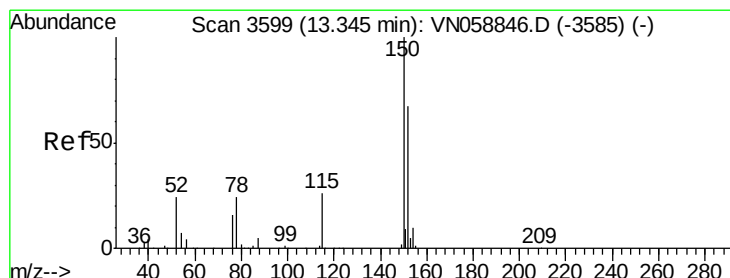
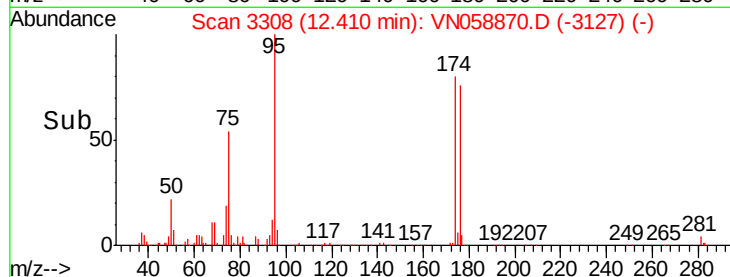
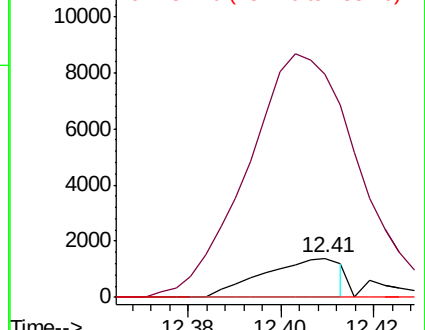


Abundance

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: VN058870.D

Acq: 18 Oct 2019 19:45

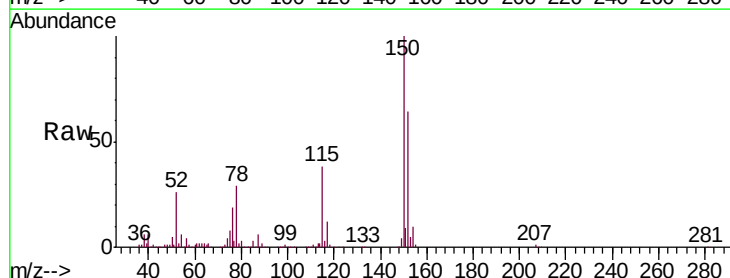
Tgt Ion:152 Resp: 207268

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

150 158.4 0.0 344.4

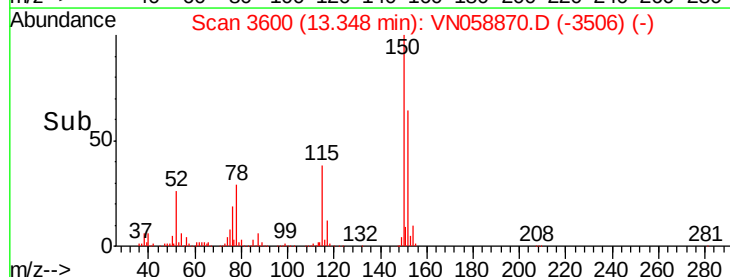
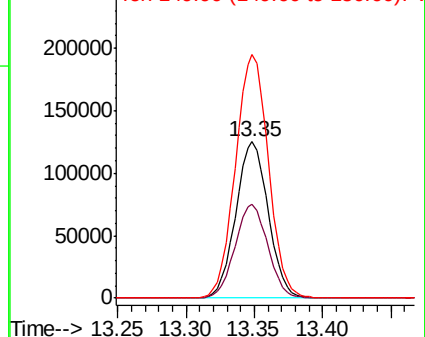


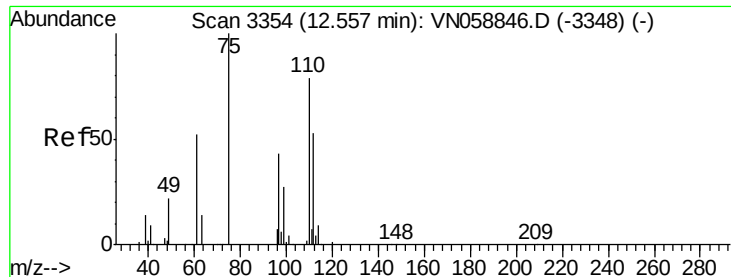
Abundance

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: 28.757 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

Instrument :

MSVOA_N

ClientSampleId :

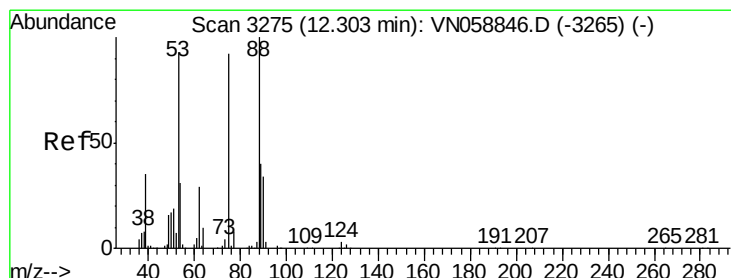
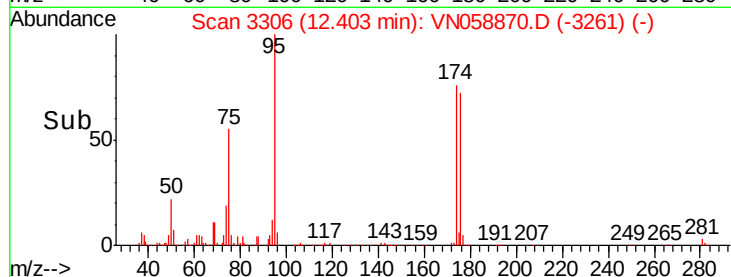
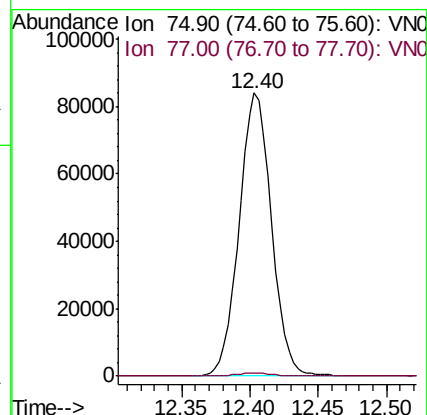
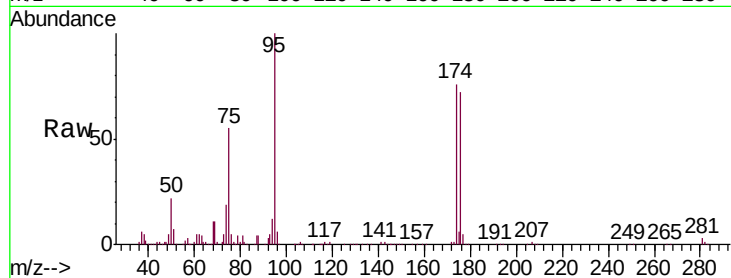
FA19-JBW7812B

Tgt Ion: 75 Resp: 138141

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.915 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058870.D

Acq: 18 Oct 2019 19:45

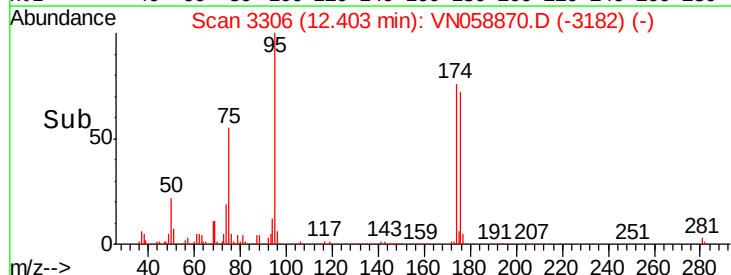
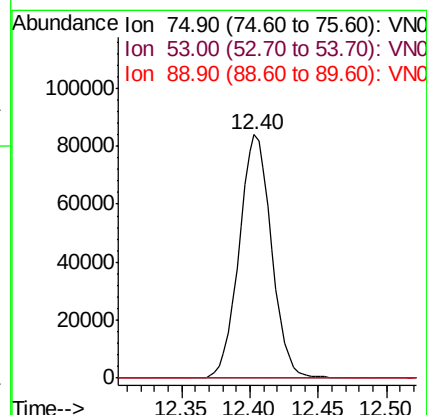
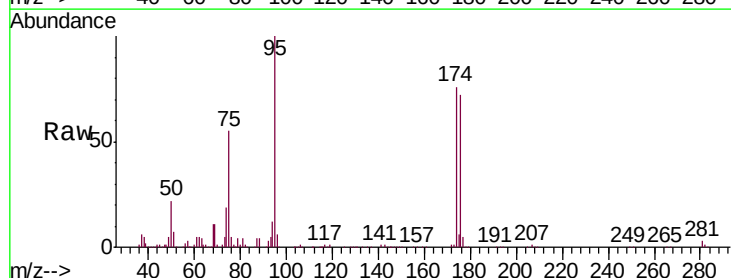
Tgt Ion: 75 Resp: 138141

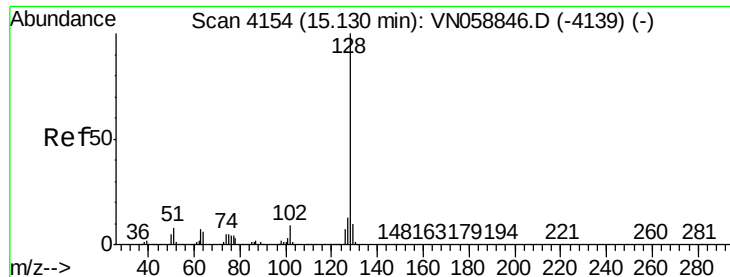
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 35.4 53.0#





#95
 Naphthalene
 Concen: 2.241 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058870.D
 Acq: 18 Oct 2019 19:45

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7812B

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

