

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057938.D
 Acq On : 11 Sep 2019 20:54
 Operator : JC/SP
 Sample : K4818-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-091019-01

Quant Time: Sep 12 02:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	276922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	461030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215679	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	298892	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	7.58	113	202251	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
50) Toluene-d8	10.09	98	819079	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.41	95	263600	41.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.74%	

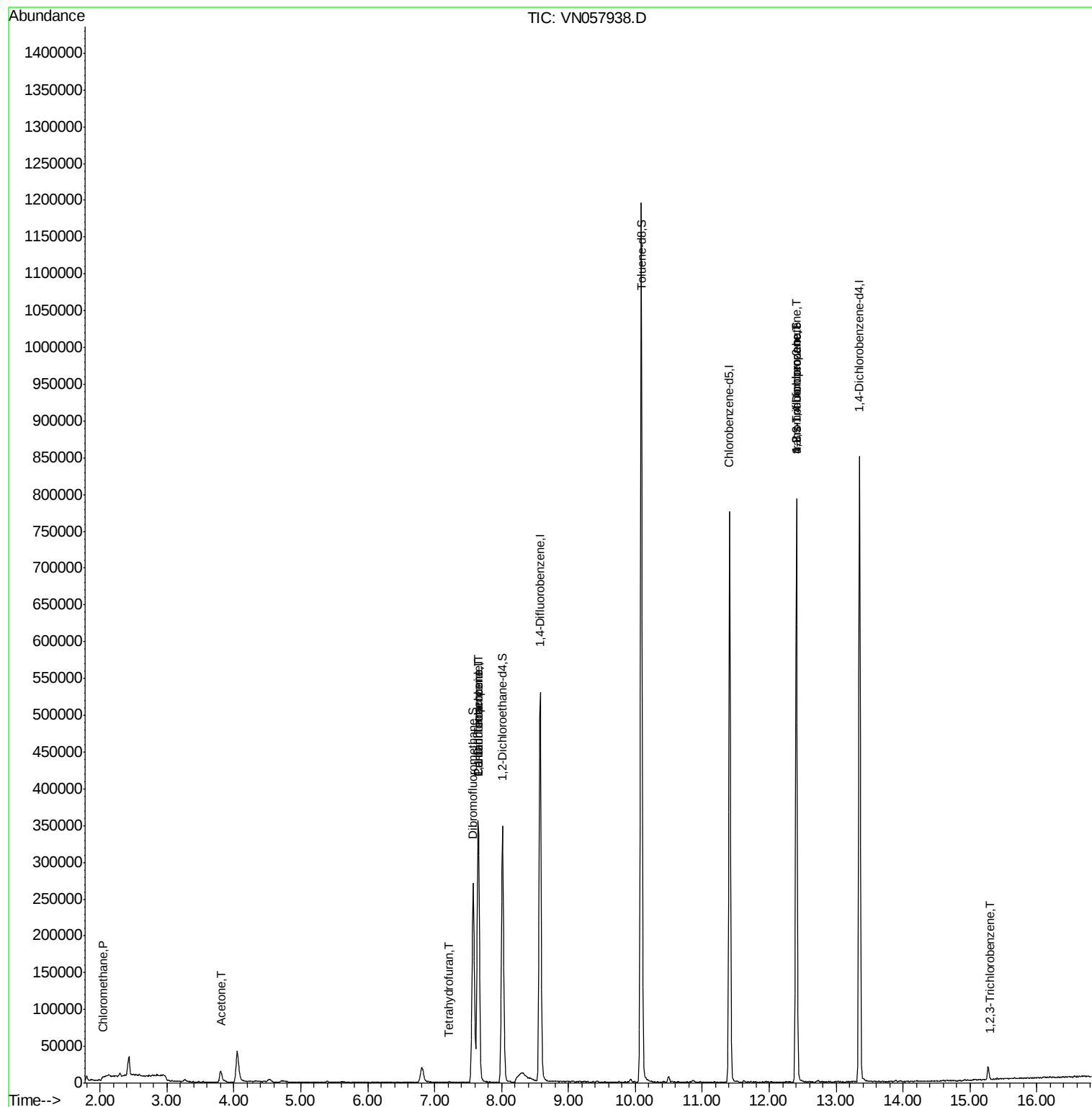
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1174	0.301	ug/l	98
5) Bromomethane	2.53	94	121	Below Cal	#	2
16) Acetone	3.81	43	27236	14.813	ug/l	97
20) Methylene Chloride	4.52	84	1164	Below Cal		87
29) Tetrahydrofuran	7.20	42	416	0.254	ug/l #	34
31) Cyclohexane	7.65	56	7260	Below Cal	#	32
36) 1,1-Dichloropropene	7.65	75	25081	4.691	ug/l #	45
38) Carbon Tetrachloride	7.65	117	29310	6.004	ug/l #	15
76) 1,2,3-Trichloropropane	12.40	75	147714	30.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147714	106.539	ug/l #	6
95) Naphthalene	15.13	128	762	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	103	1.021	ug/l #	12

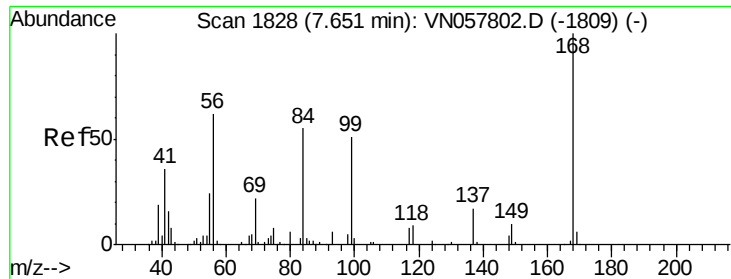
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

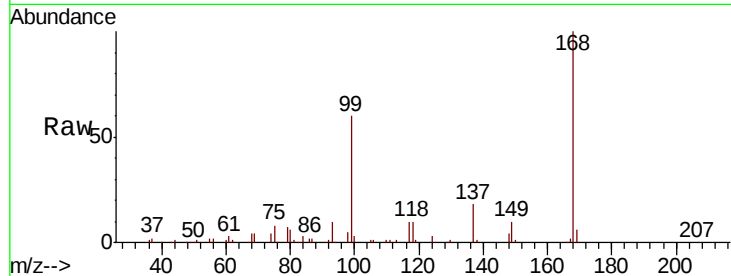
FB-091019-01

Tgt Ion:168 Resp: 276922

Ion Ratio Lower Upper

168 100

99 60.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

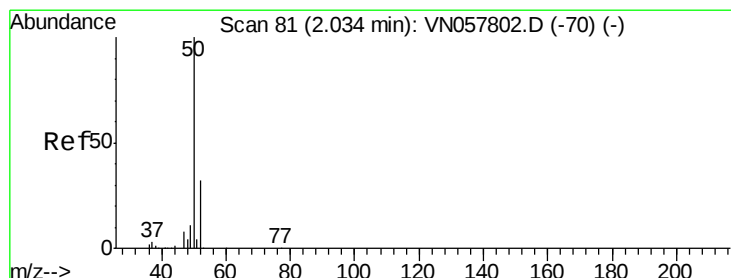
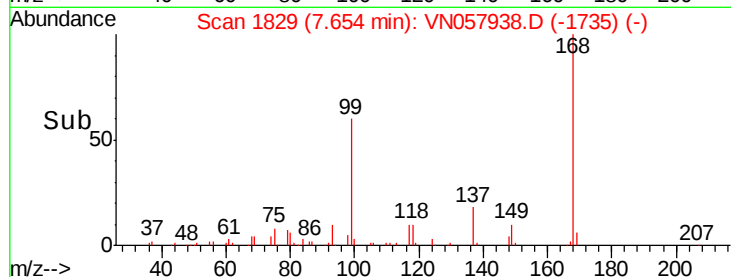
7.65

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.301 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057938.D

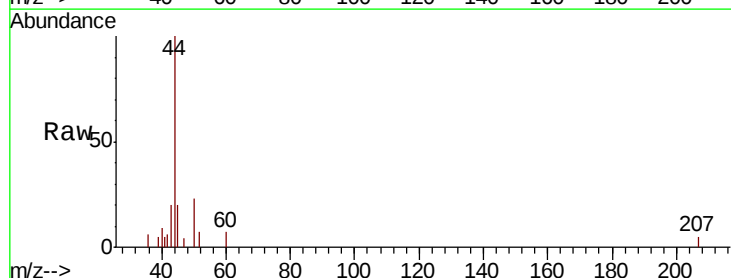
Acq: 11 Sep 2019 20:54

Tgt Ion: 50 Resp: 1174

Ion Ratio Lower Upper

50 100

52 32.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

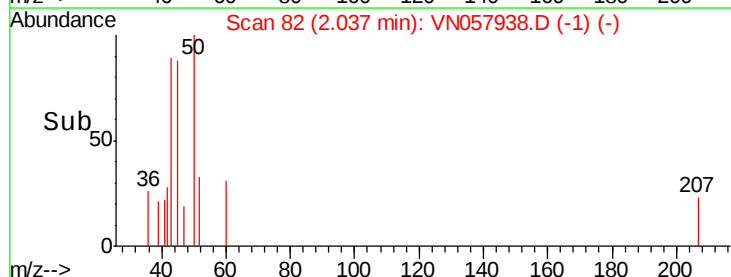
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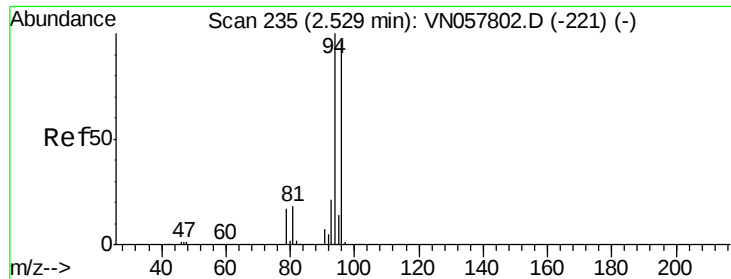
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

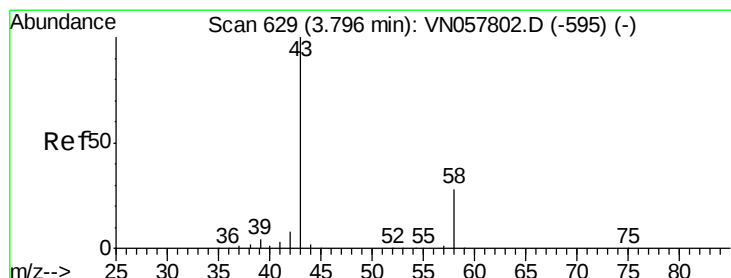
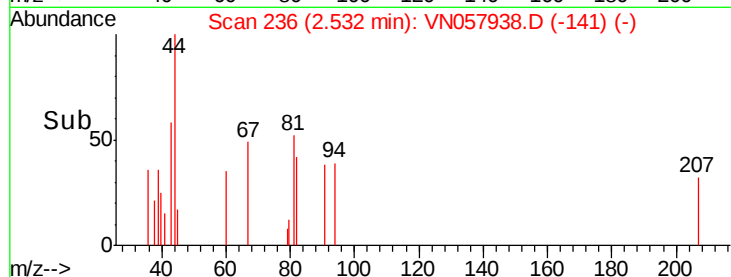
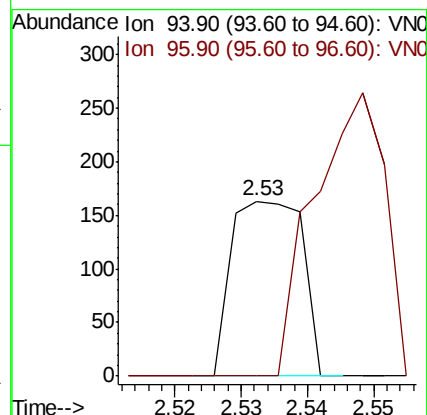
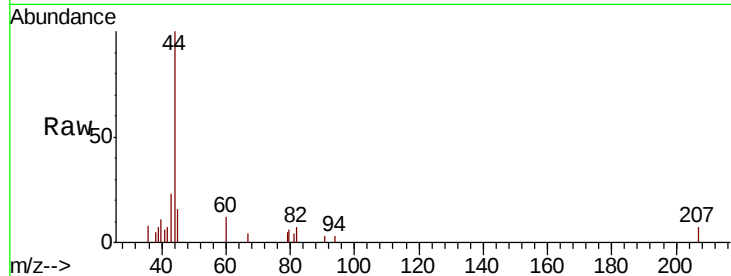
FB-091019-01

Tgt Ion: 94 Resp: 121

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



#16

Acetone

Concen: 14.813 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057938.D

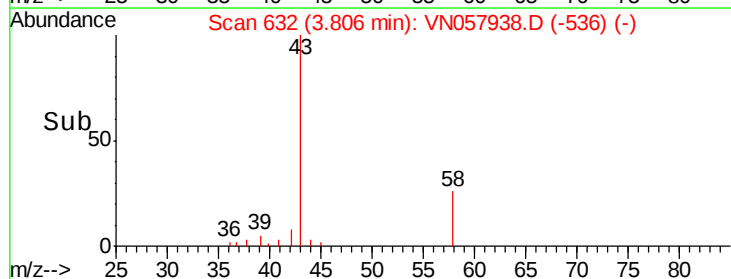
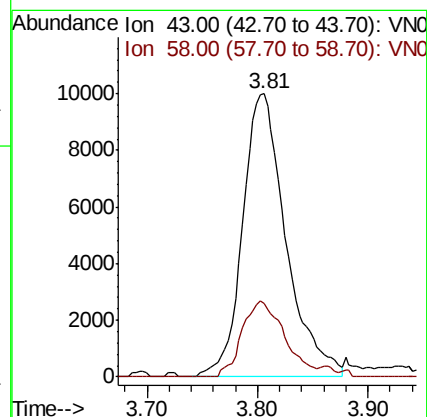
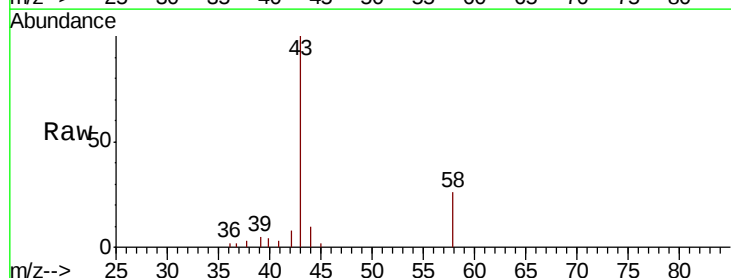
Acq: 11 Sep 2019 20:54

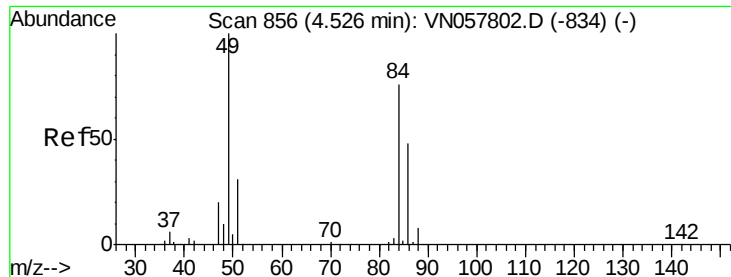
Tgt Ion: 43 Resp: 27236

Ion Ratio Lower Upper

43 100

58 26.0 22.2 33.2

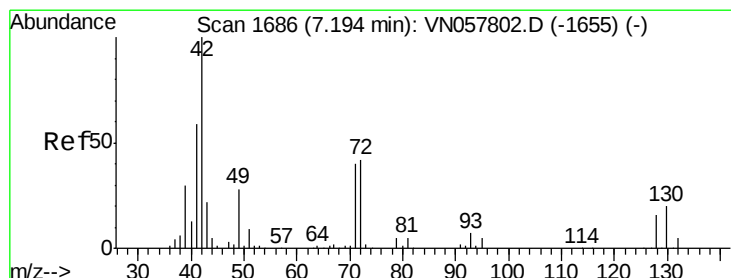
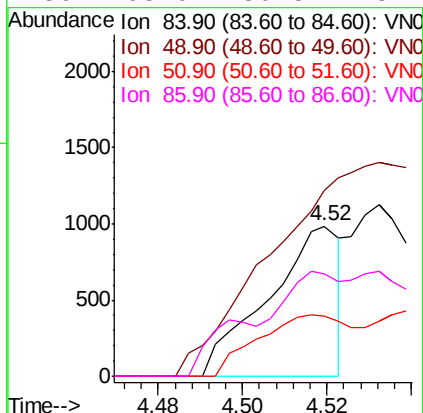
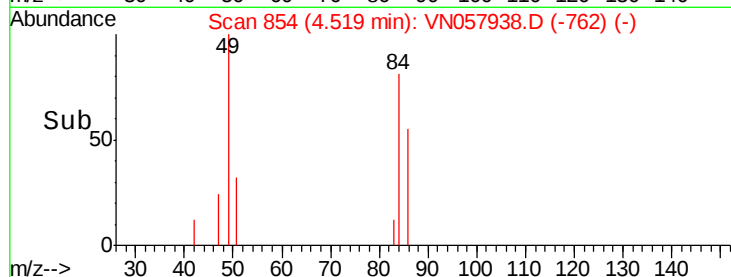
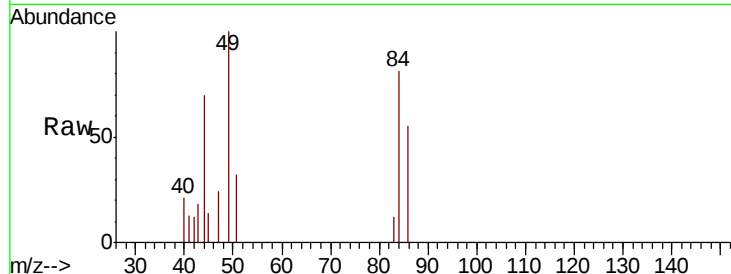




#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

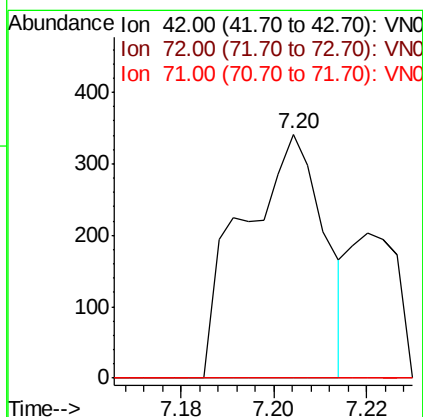
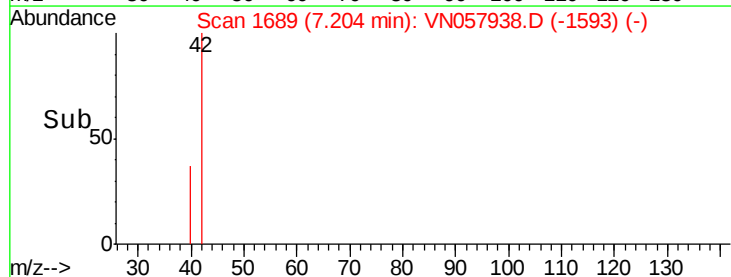
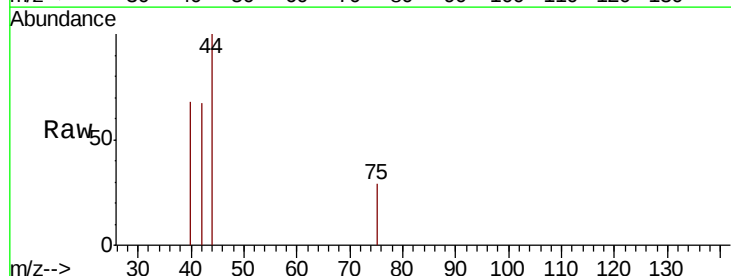
Instrument :
MSVOA_N
ClientSampleId :
FB-091019-01

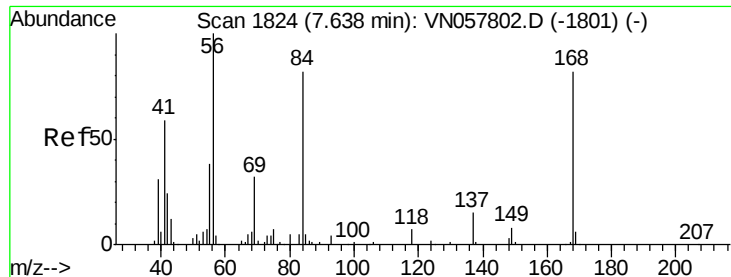
Tgt Ion:	84	Resp:	1164
Ion	Ratio	Lower	Upper
84	100		
49	107.8	104.8	157.2
51	39.8	33.0	49.4
86	68.0	50.5	75.7



#29
Tetrahydrofuran
Concen: 0.254 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

Tgt Ion:	42	Resp:	416
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.9	47.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

FB-091019-01

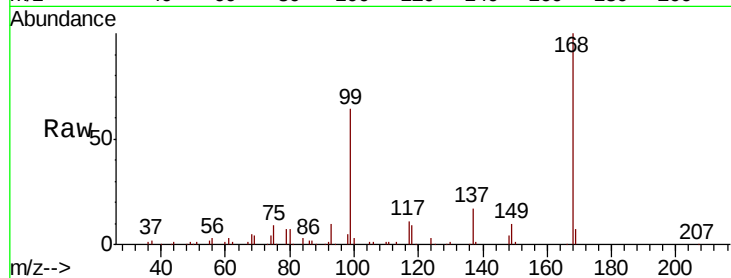
Tgt Ion: 56 Resp: 7260

Ion Ratio Lower Upper

56 100

69 133.7 25.9 38.9#

84 102.7 65.6 98.4#

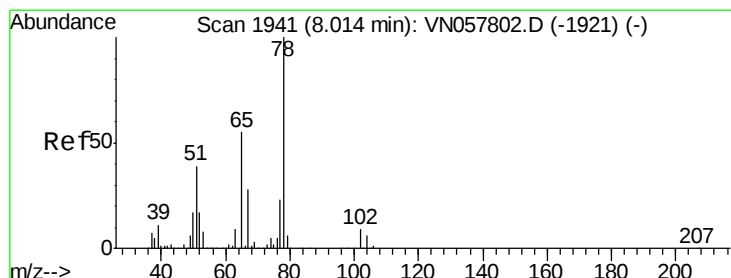
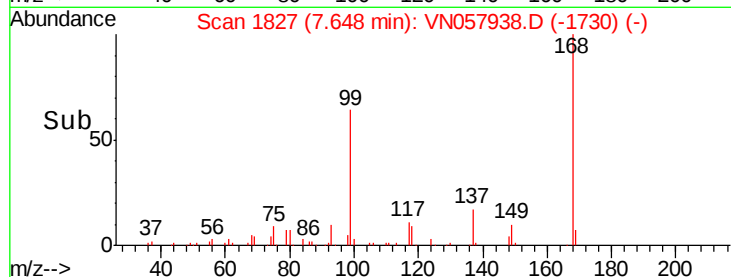
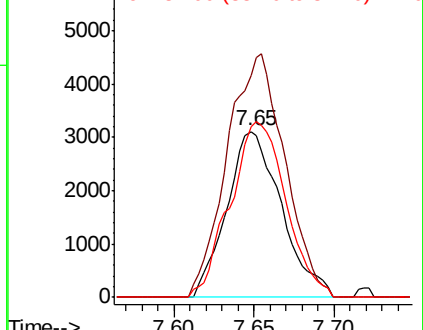


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.290 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057938.D

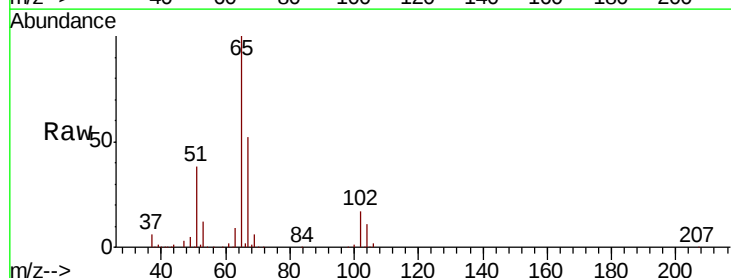
Acq: 11 Sep 2019 20:54

Tgt Ion: 65 Resp: 298892

Ion Ratio Lower Upper

65 100

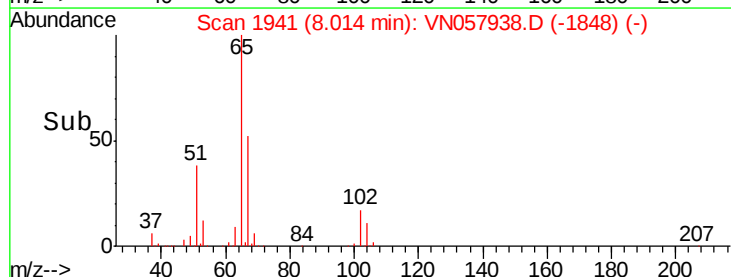
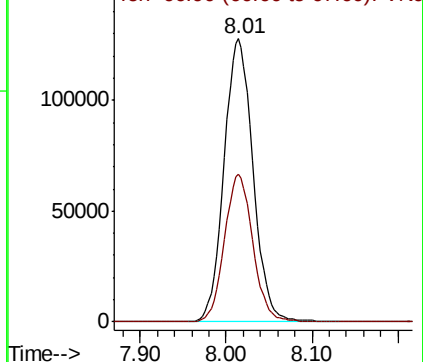
67 51.0 0.0 104.0

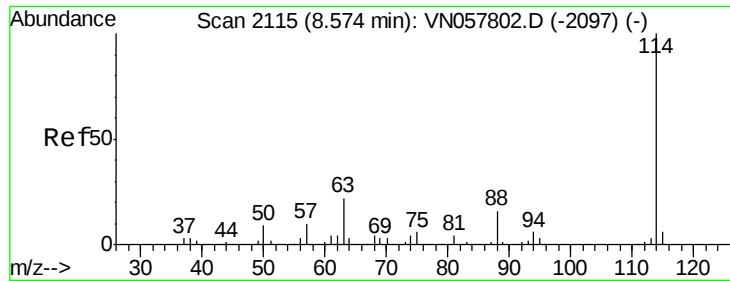


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

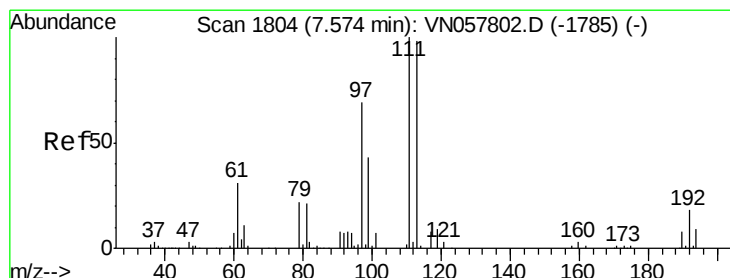
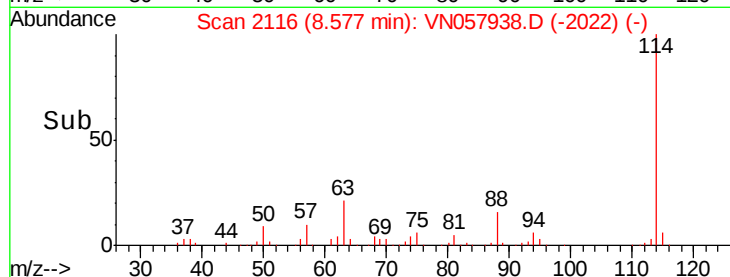
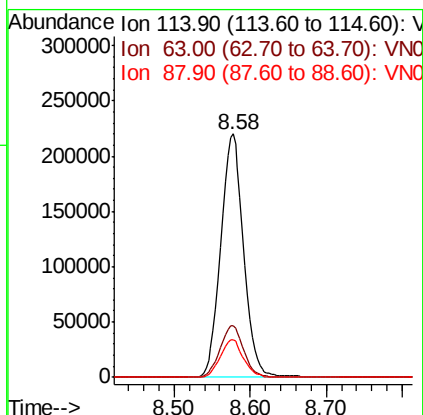
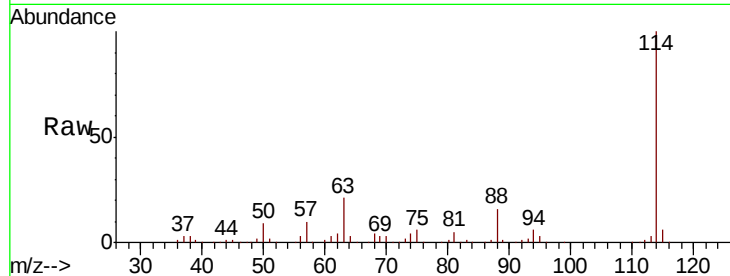




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

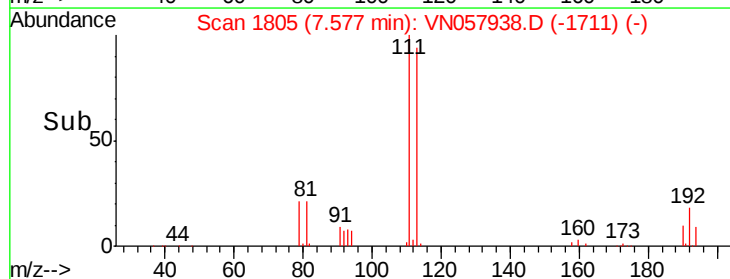
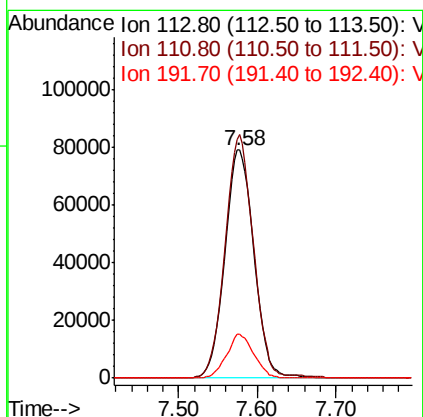
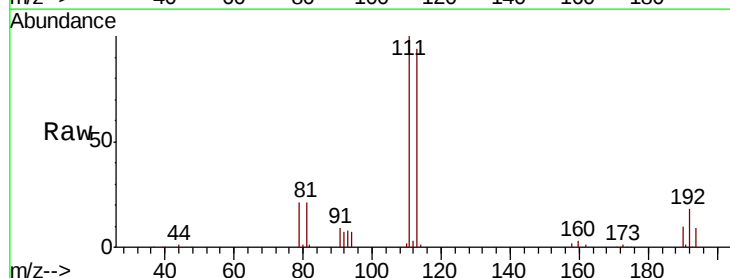
Instrument :
MSVOA_N
ClientSampleId :
FB-091019-01

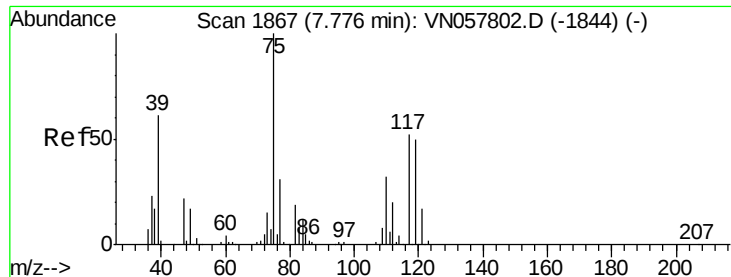
Tgt Ion:	114	Resp:	461030
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	15.7	0.0	31.4



#35
Dibromofluoromethane
Concen: 47.531 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

Tgt Ion:	113	Resp:	202251
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	18.1	14.6	22.0

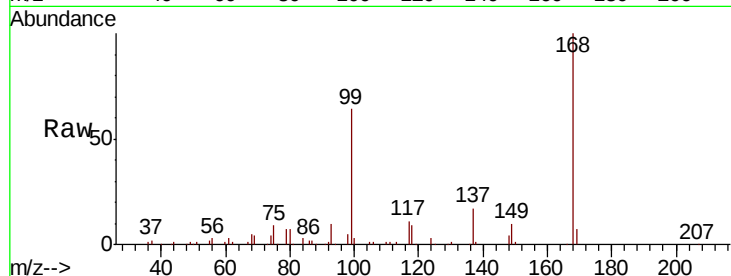




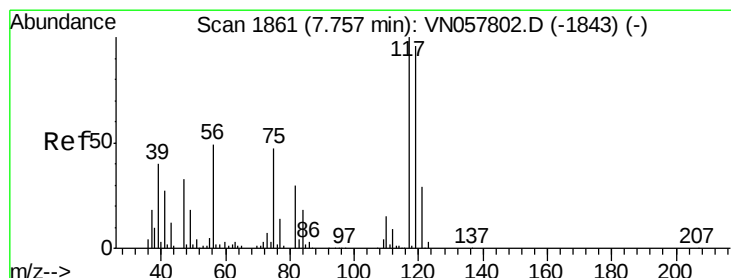
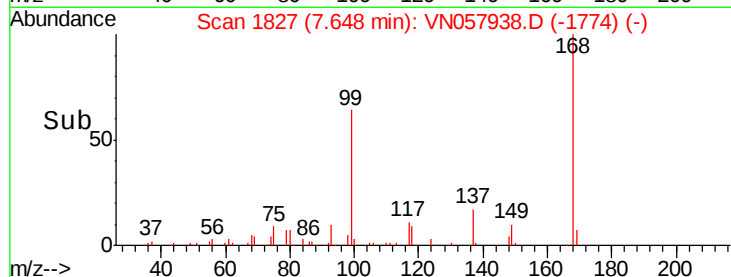
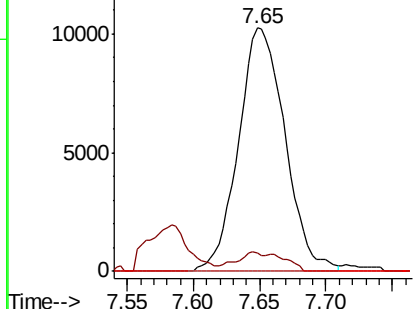
#36
 1,1-Dichloropropene
 Concen: 4.691 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057938.D
 Acq: 11 Sep 2019 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-091019-01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.5	16.3	48.9#
77	0.0	25.0	37.4#

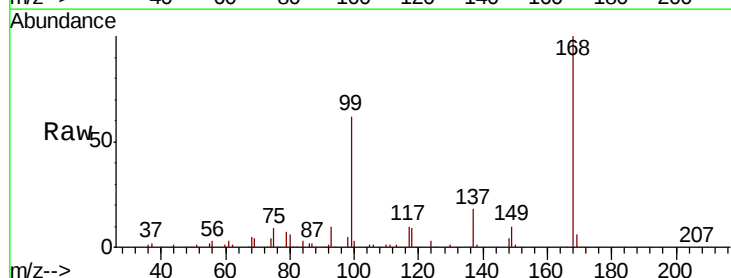


Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-1844) (-)
 Ion 109.90 (109.60 to 110.60): VN057802.D (-1844) (-)
 Ion 76.90 (76.60 to 77.60): VN057802.D (-1844) (-)

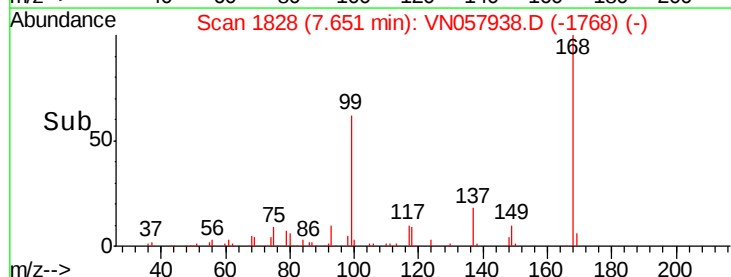
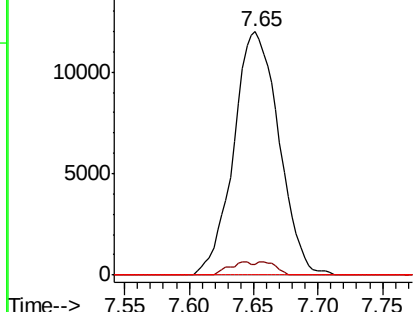


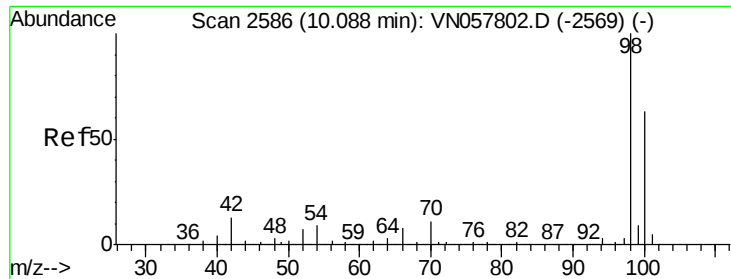
#38
 Carbon Tetrachloride
 Concen: 6.004 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057938.D
 Acq: 11 Sep 2019 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.9	115.3#
121	0.0	23.4	35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-1843) (-)
 Ion 118.80 (118.50 to 119.50): VN057802.D (-1843) (-)
 Ion 120.80 (120.50 to 121.50): VN057802.D (-1843) (-)





#50

Toluene-d8

Concen: 49.579 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

Instrument :

MSVOA_N

ClientSampled :

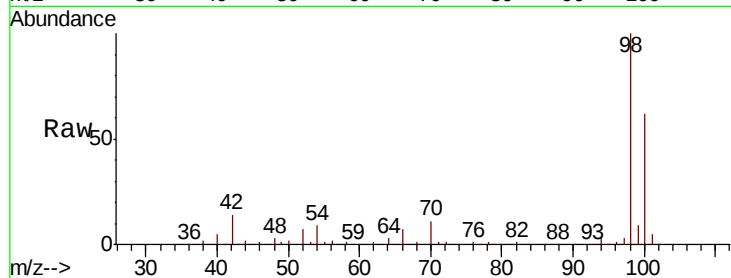
FB-091019-01

Tgt Ion: 98 Resp: 819079

Ion Ratio Lower Upper

98 100

100 62.6 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

400000

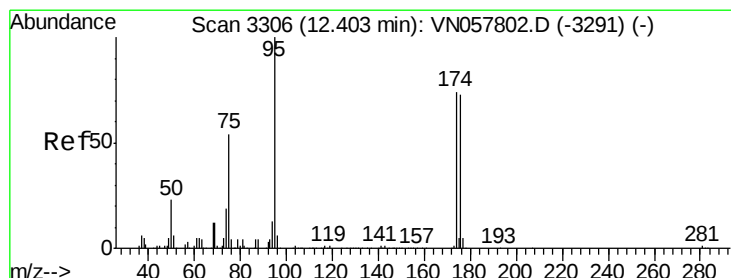
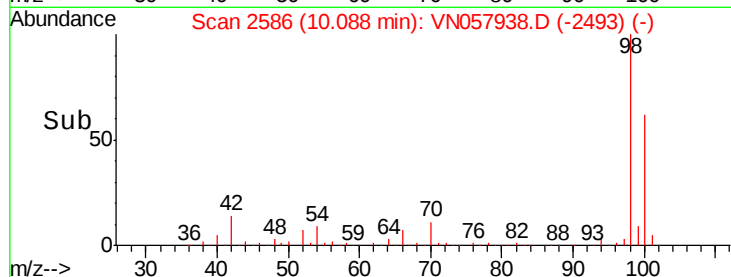
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.869 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

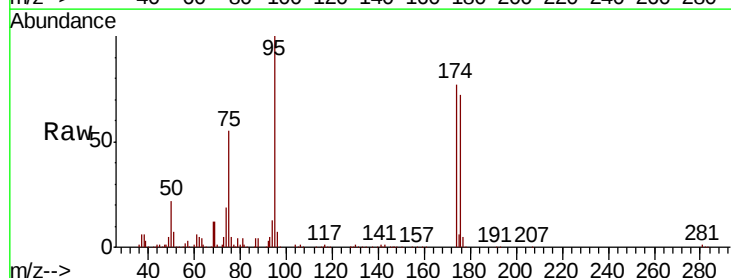
Tgt Ion: 95 Resp: 263600

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 71.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.41

200000

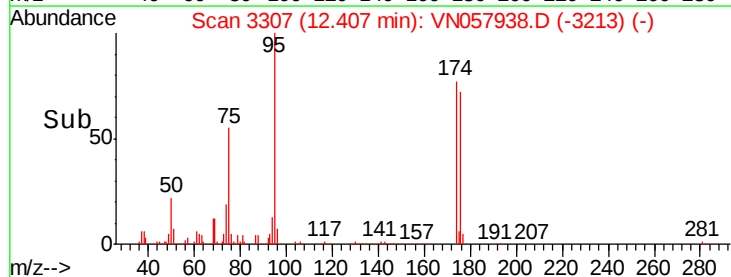
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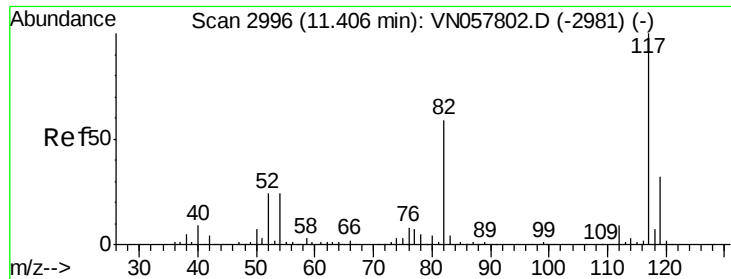
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50000

0

Time-->

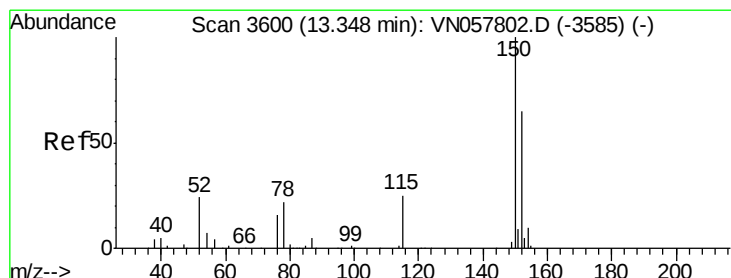
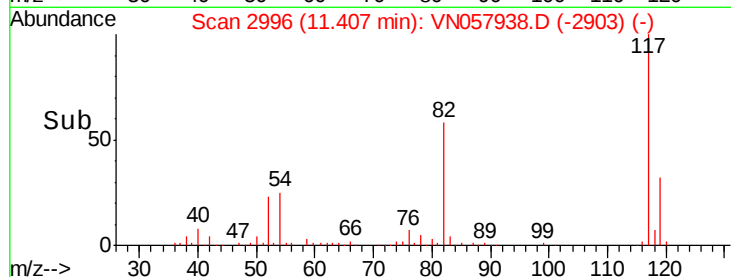
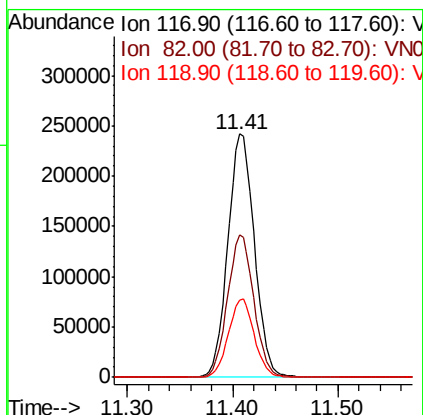
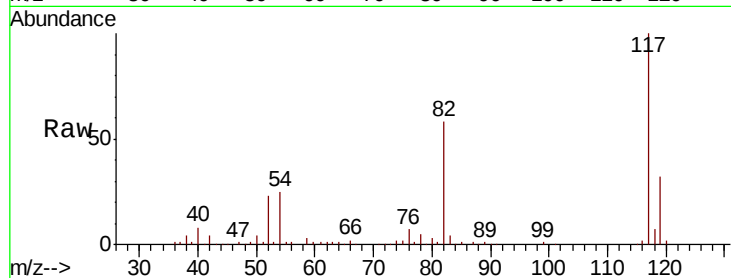




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

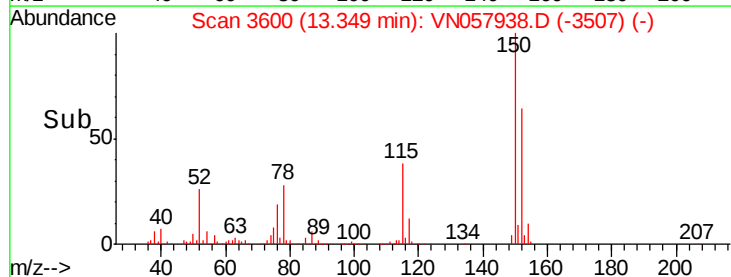
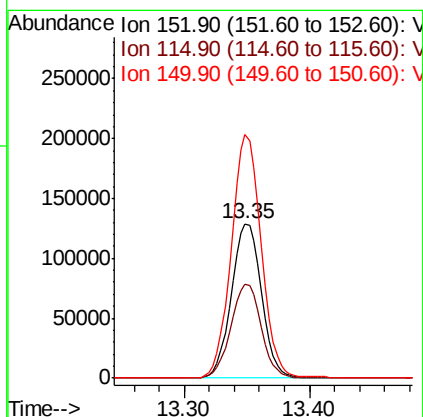
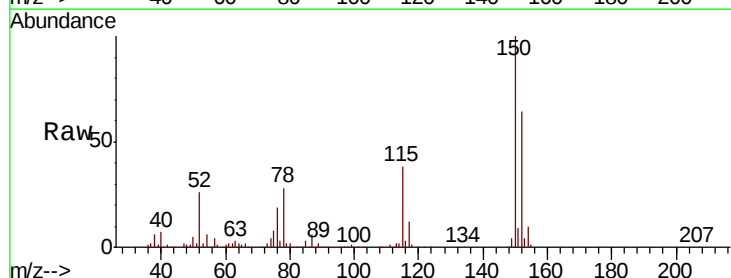
Instrument :
MSVOA_N
ClientSampleId :
FB-091019-01

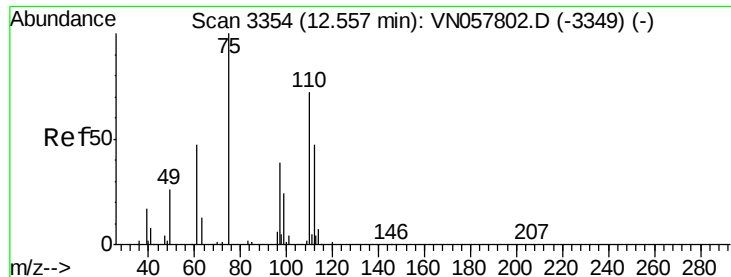
Tgt Ion:117 Resp: 421663
Ion Ratio Lower Upper
117 100
82 58.4 47.2 70.8
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

Tgt Ion:152 Resp: 215679
Ion Ratio Lower Upper
152 100
115 61.1 30.3 91.0
150 156.0 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 30.275 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

Instrument :

MSVOA_N

ClientSampleId :

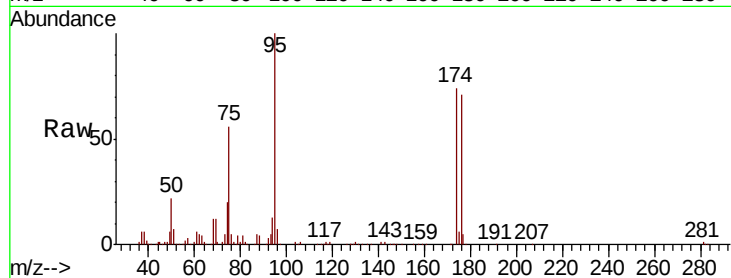
FB-091019-01

Tgt Ion: 75 Resp: 147714

Ion Ratio Lower Upper

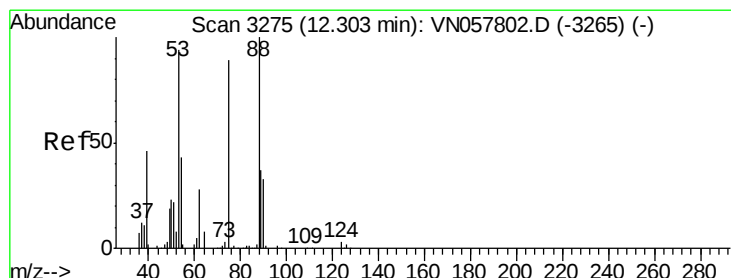
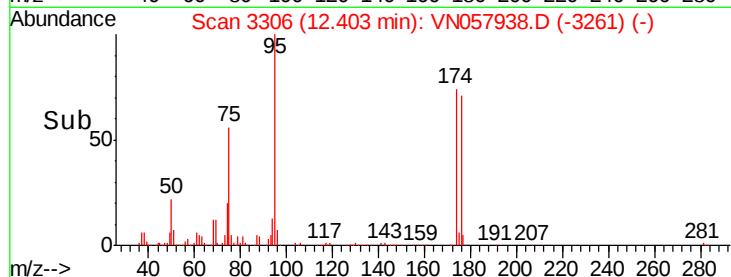
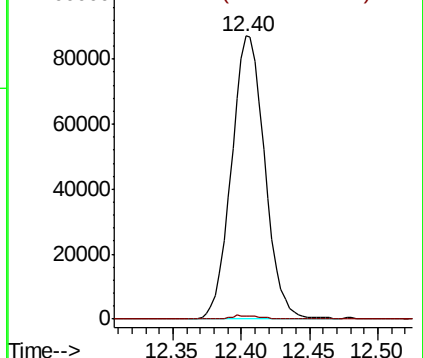
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 106.539 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057938.D

Acq: 11 Sep 2019 20:54

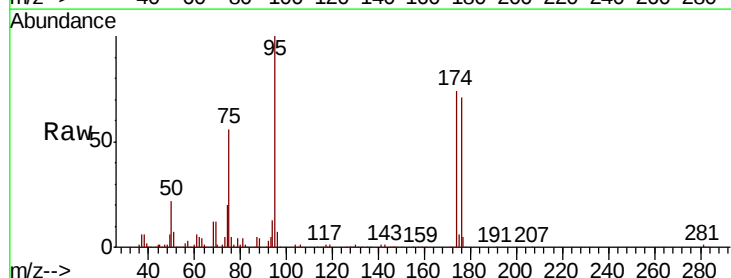
Tgt Ion: 75 Resp: 147714

Ion Ratio Lower Upper

75 100

53 0.1 88.4 132.6#

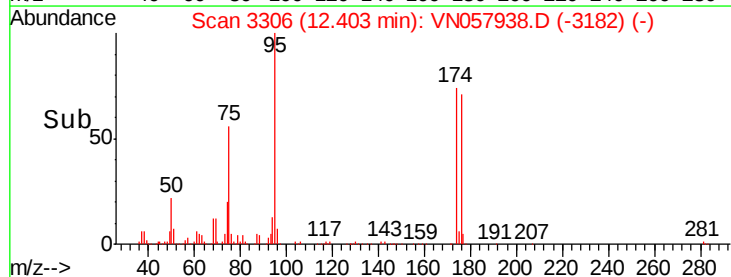
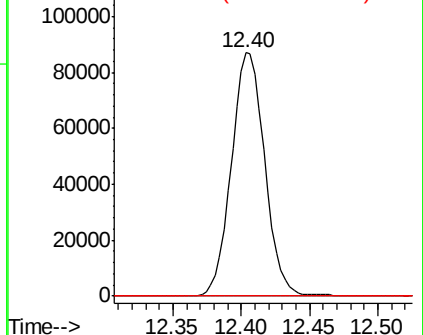
89 0.0 35.3 52.9#

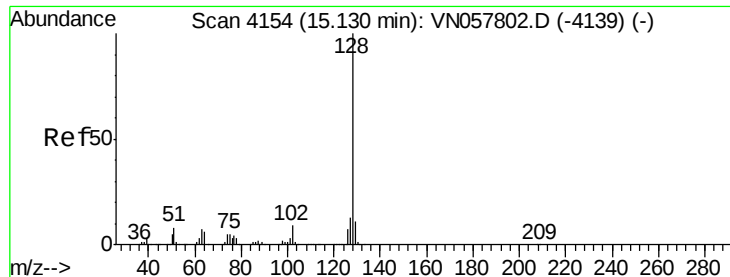


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

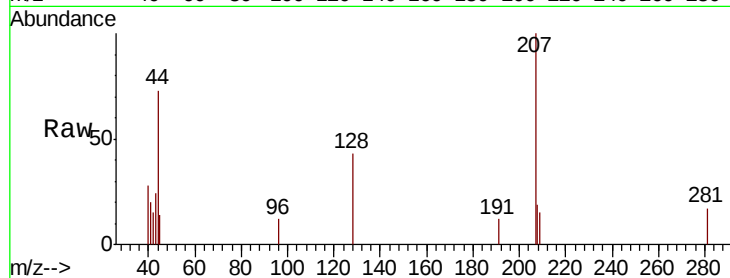




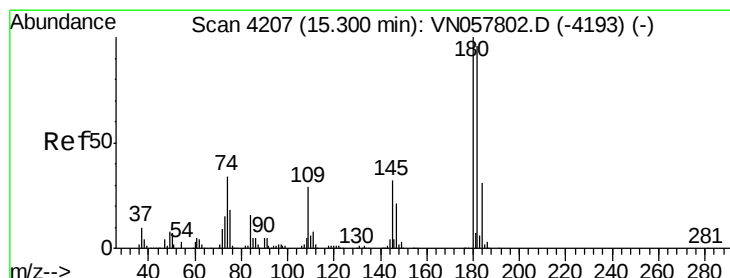
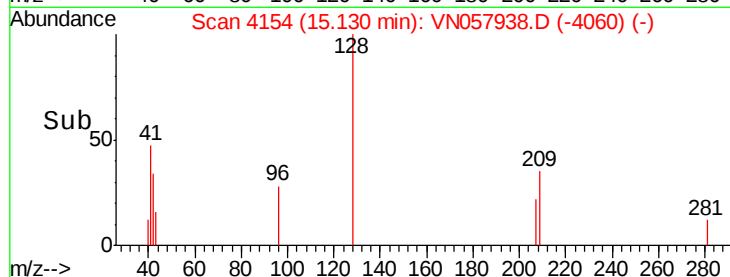
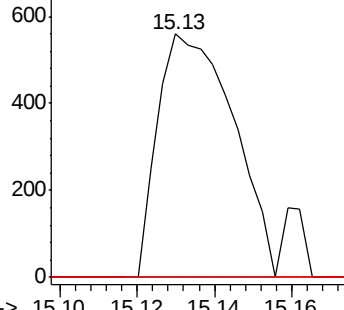
#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

Instrument :
MSVOA_N
ClientSampled :
FB-091019-01

Tgt Ion:128 Resp: 762
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

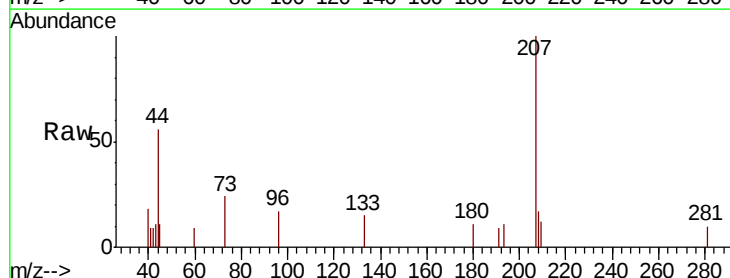


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.021 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN057938.D
Acq: 11 Sep 2019 20:54

Tgt Ion:180 Resp: 103
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.8#
145 0.0 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

