

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051459.D
 Acq On : 24 Sep 2018 14:19
 Operator : MD\SY
 Sample : J4770-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-092118-F

Quant Time: Sep 25 01:58:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1015632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452911	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.59	113	397761	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.09	98	1410374	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
62) 4-Bromofluorobenzene	12.40	95	383463	38.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.52%	

Target Compounds

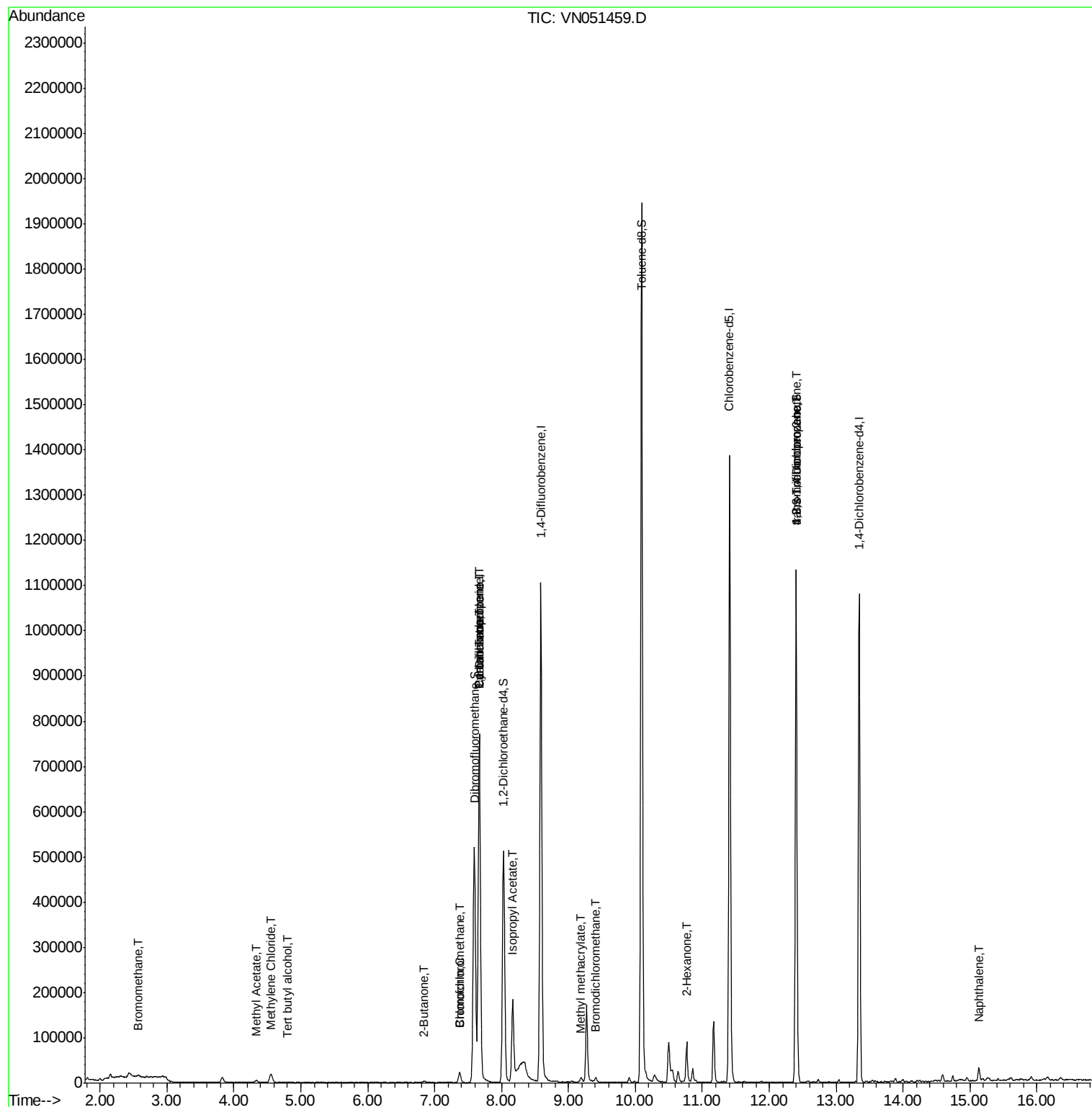
					Qvalue
5) Bromomethane	2.58	94	1512	0.293 ug/l #	40
11) Tert butyl alcohol	4.79	59	251	0.540 ug/l #	78
16) Acetone	3.82	43	18820	Below Cal	94
18) Methyl Acetate	4.34	43	9292	1.480 ug/l	99
20) Methylene Chloride	4.55	84	14087	1.727 ug/l	96
25) 2-Butanone	6.84	43	1302	0.461 ug/l #	86
28) Bromochloromethane	7.37	49	1734	0.265 ug/l #	12
30) Chloroform	7.37	83	25186	1.794 ug/l	92
31) Cyclohexane	7.67	56	12149	0.936 ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47329	4.024 ug/l #	48
38) Carbon Tetrachloride	7.67	117	59113	4.805 ug/l #	17
43) Isopropyl Acetate	8.17	43	222454	18.192 ug/l	98
47) Bromodichloromethane	9.40	83	6054	0.516 ug/l #	91
48) Methyl methacrylate	9.18	41	6201	1.017 ug/l #	19
59) 2-Hexanone	10.76	43	12602	2.891 ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	189551	36.346 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189551	111.761 ug/l #	12
95) Naphthalene	15.13	128	25229	9.857 ug/l	97

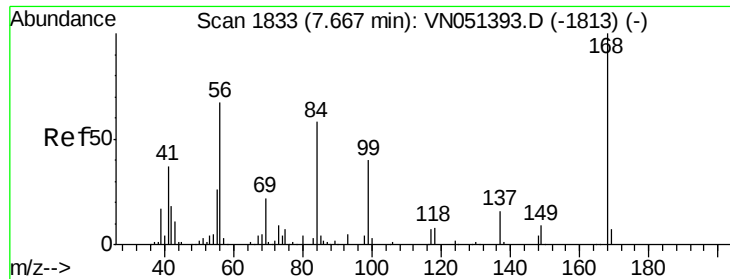
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

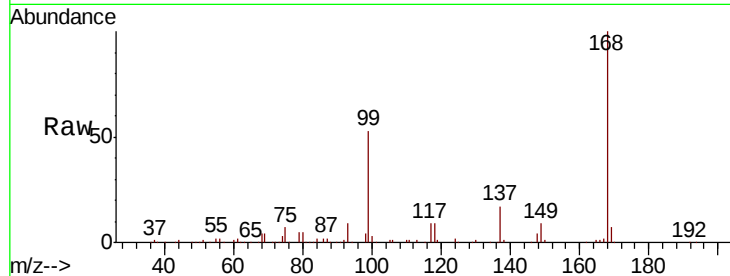
JC-02-092118-F

Tot Ion:168 Resp: 658062

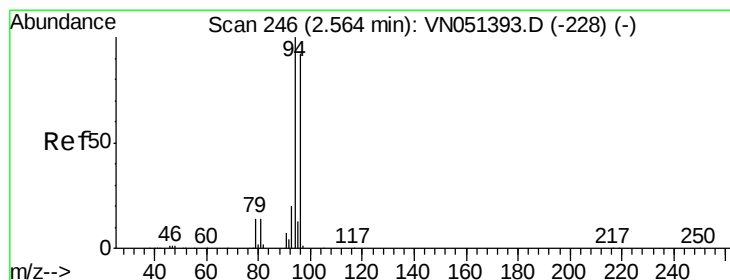
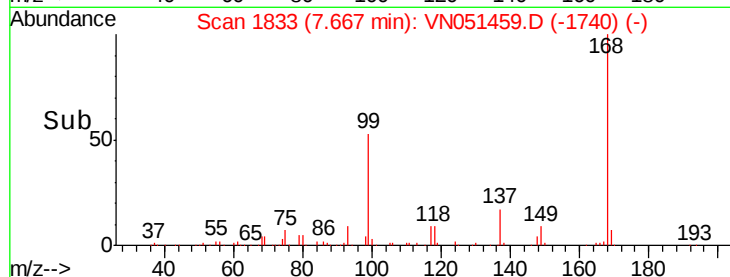
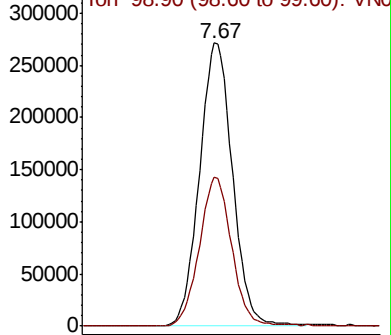
Ion Ratio Lower Upper

168 100

99 52.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)



#5

Bromomethane

Concen: 0.293 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051459.D

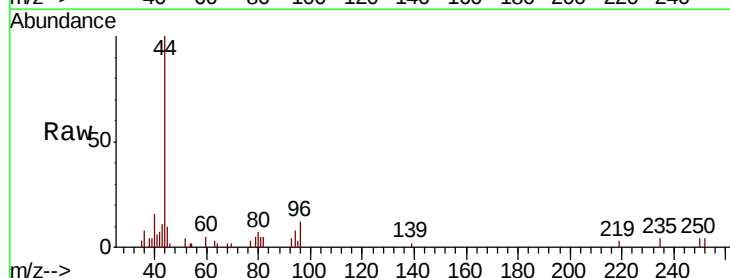
Acq: 24 Sep 2018 14:19

Tgt Ion: 94 Resp: 1512

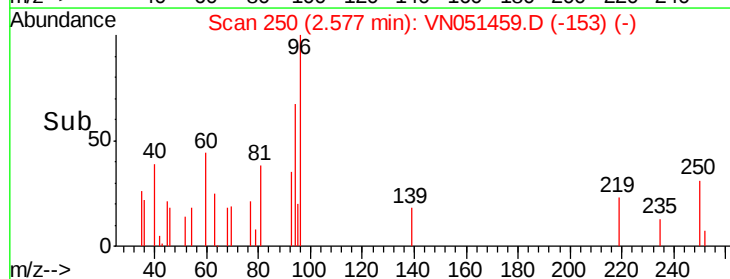
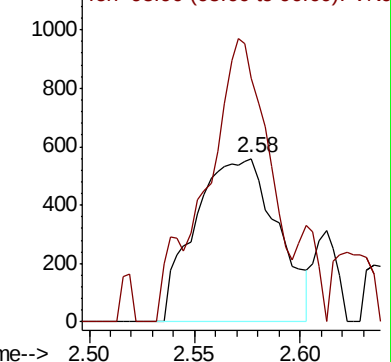
Ion Ratio Lower Upper

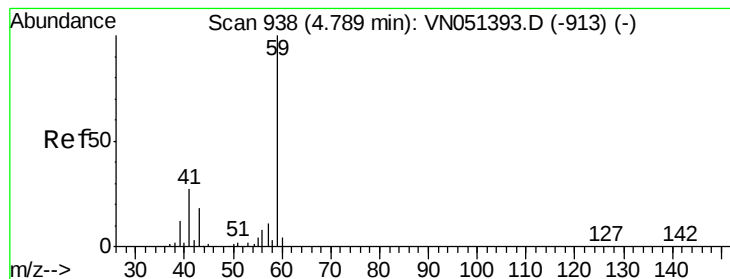
94 100

96 149.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)



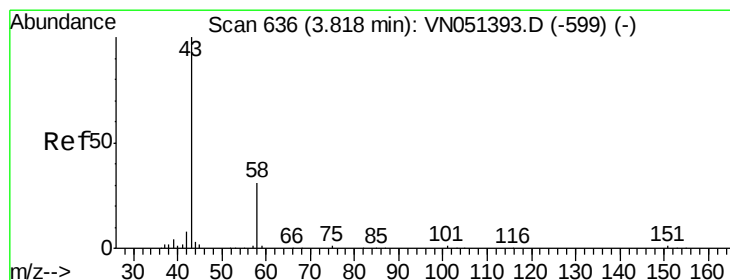
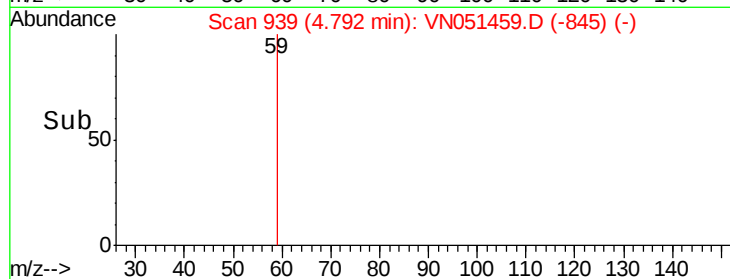
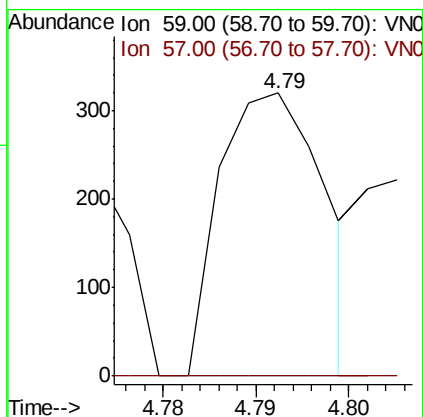
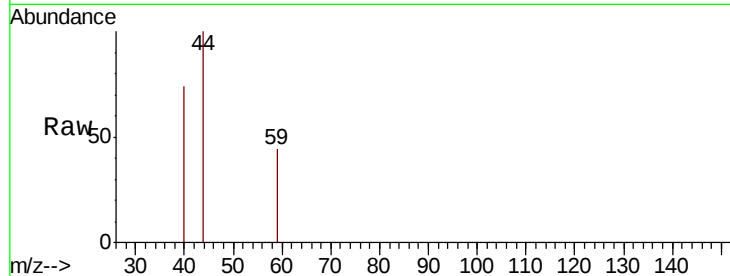


#11

Tert butyl alcohol
 Concen: 0.540 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051459.D
 Acq: 24 Sep 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-092118-F

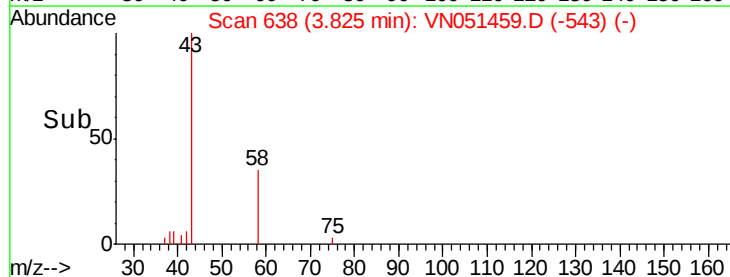
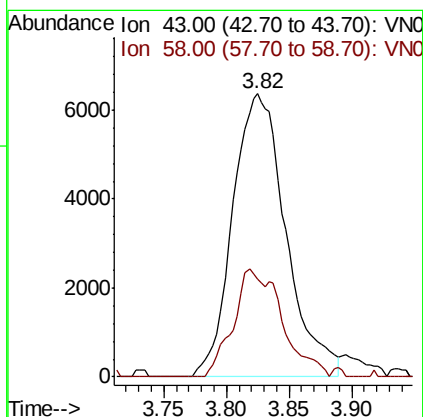
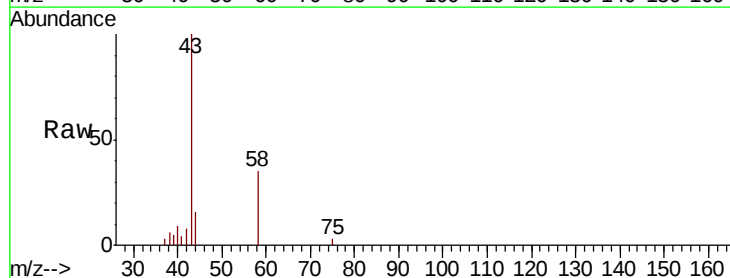
Tot Ion: 59 Resp: 251
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.2#

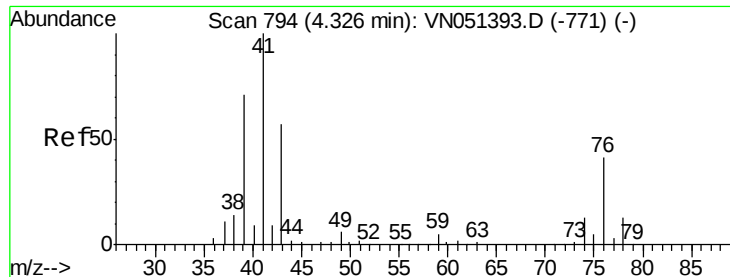


#16

Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051459.D
 Acq: 24 Sep 2018 14:19

Tgt Ion: 43 Resp: 18820
 Ion Ratio Lower Upper
 43 100
 58 34.6 25.0 37.4

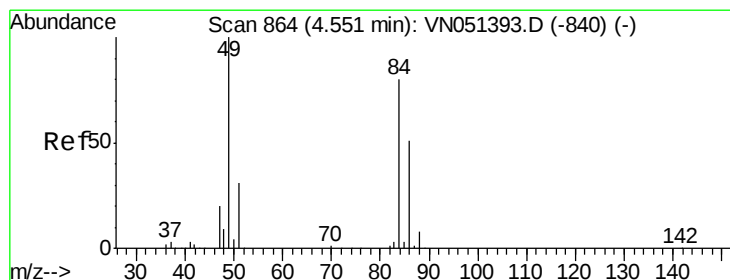
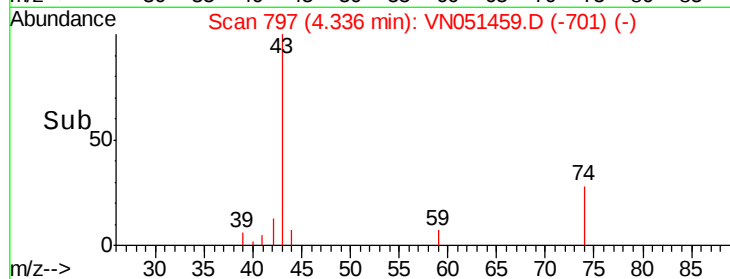
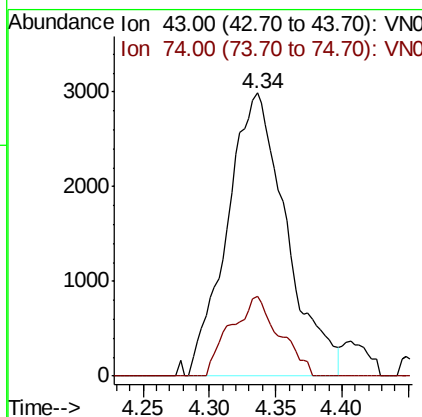
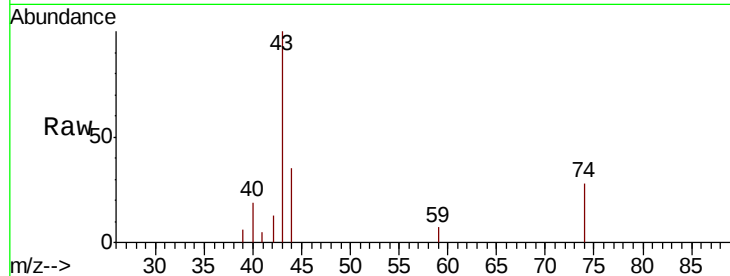




#18
Methyl Acetate
Concen: 1.480 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

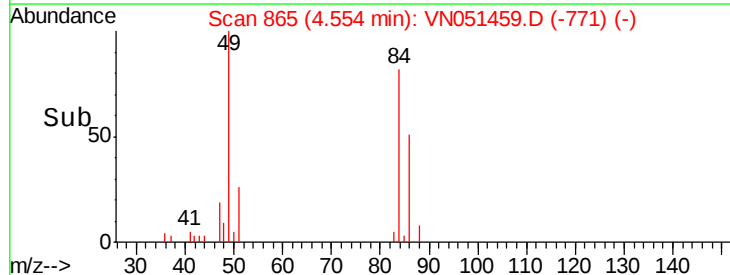
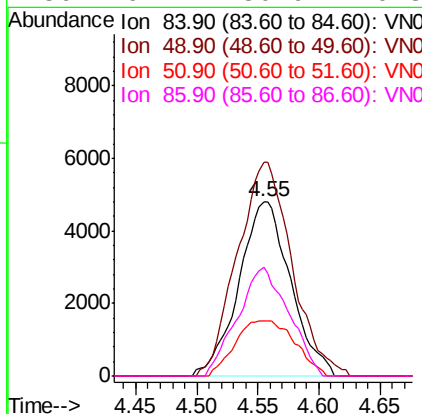
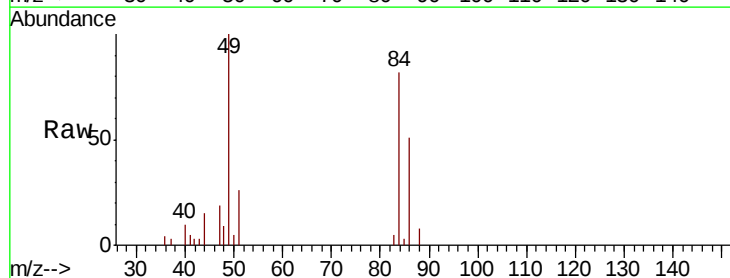
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-F

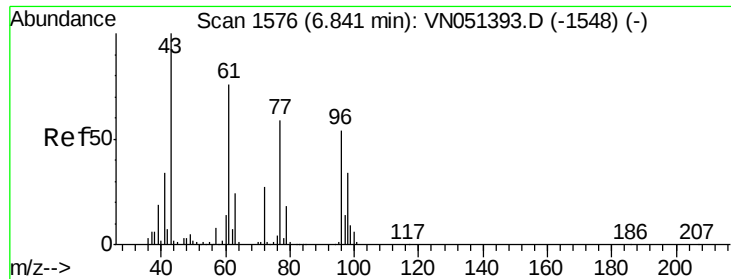
Tot Ion: 43 Resp: 9292
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2



#20
Methylene Chloride
Concen: 1.727 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

Tgt Ion: 84 Resp: 14087
Ion Ratio Lower Upper
84 100
49 122.3 99.9 149.9
51 31.6 31.4 47.2
86 62.1 50.9 76.3

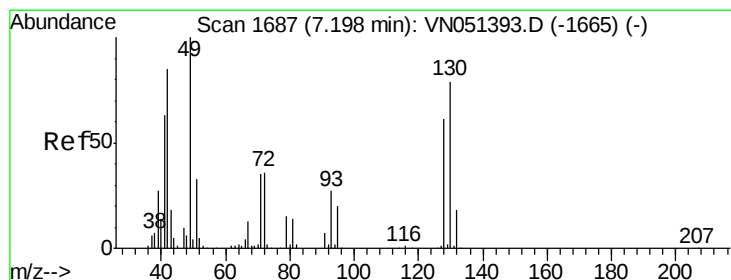
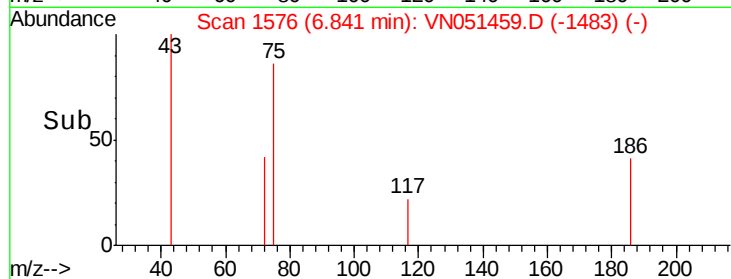
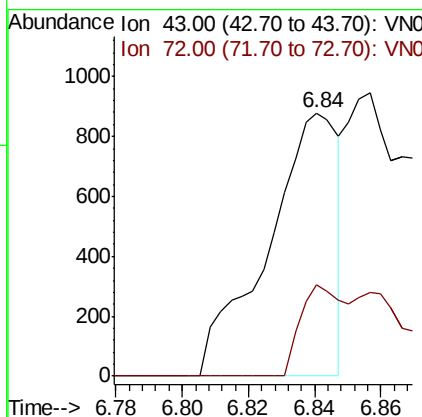
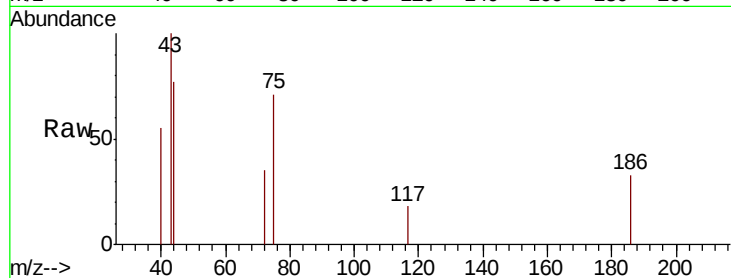




#25
2-Butanone
Concen: 0.461 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

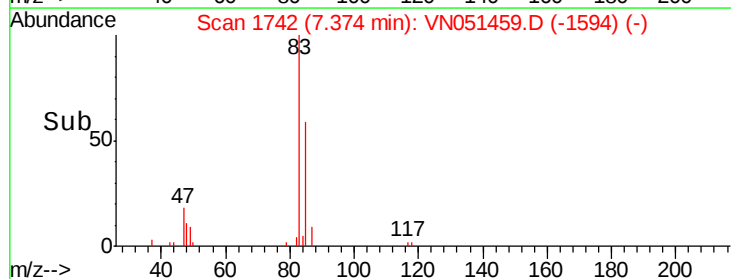
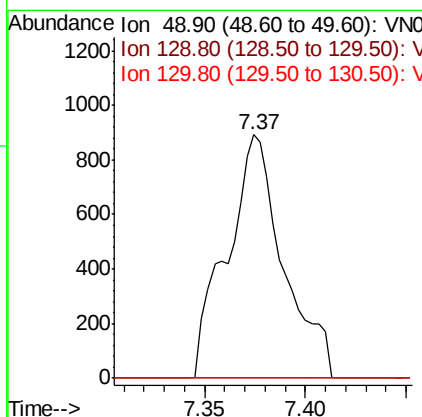
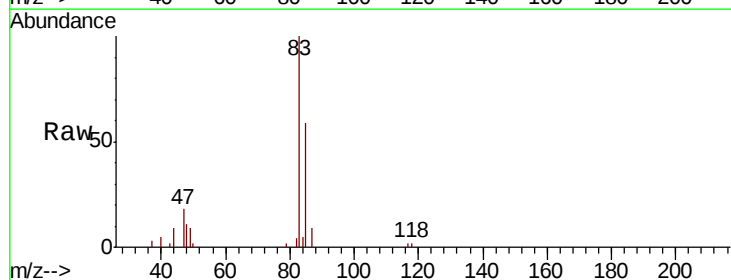
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-F

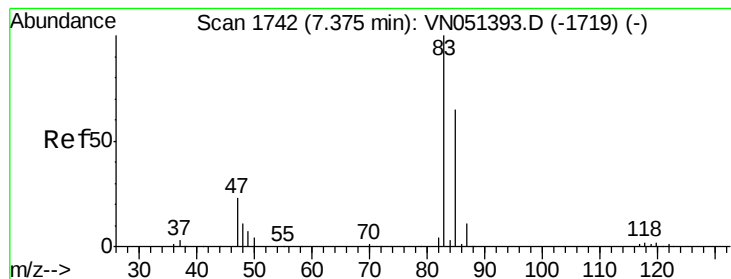
Tot Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
72 34.6 21.8 32.6#



#28
Bromochloromethane
Concen: 0.265 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.18 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

Tgt Ion: 49 Resp: 1734
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 63.0 94.4#





#30

Chloroform

Concen: 1.794 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

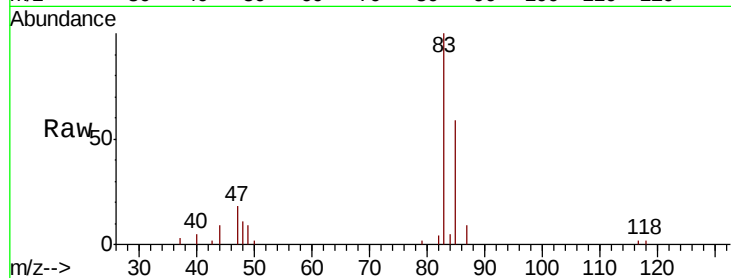
JC-02-092118-F

Tot Ion: 83 Resp: 25186

Ion Ratio Lower Upper

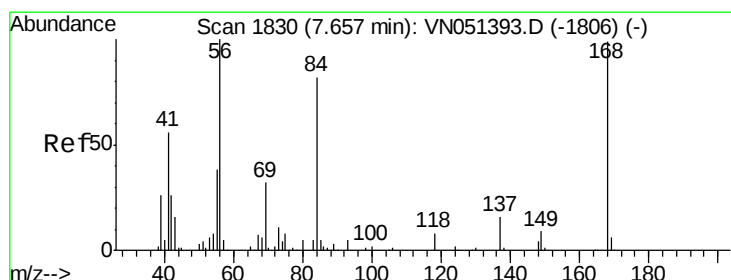
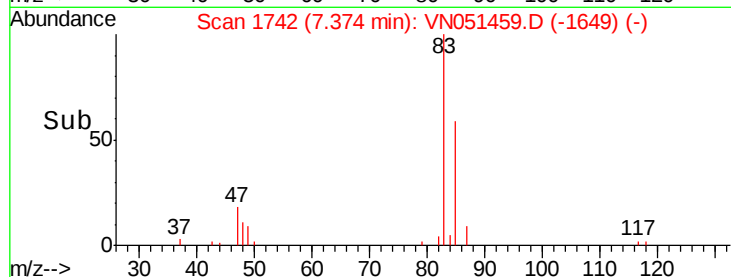
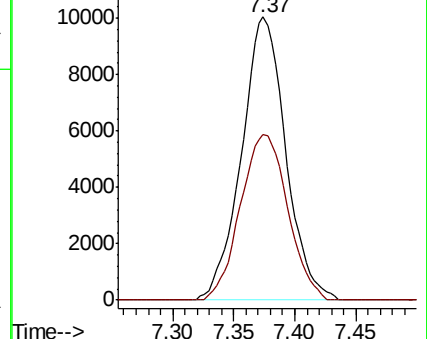
83 100

85 58.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

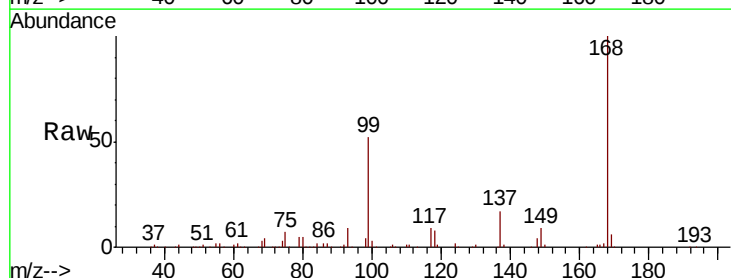
Tgt Ion: 56 Resp: 12149

Ion Ratio Lower Upper

56 100

69 198.7 25.8 38.6#

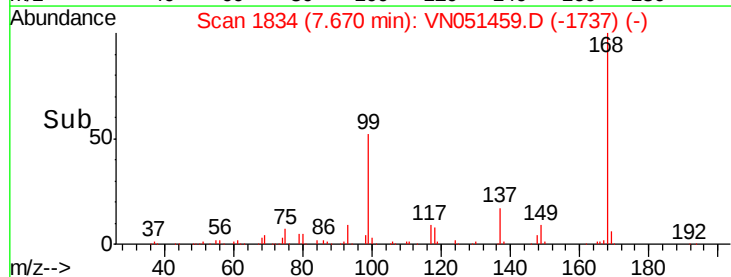
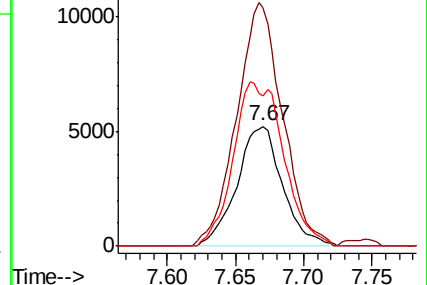
84 125.6 66.0 99.0#

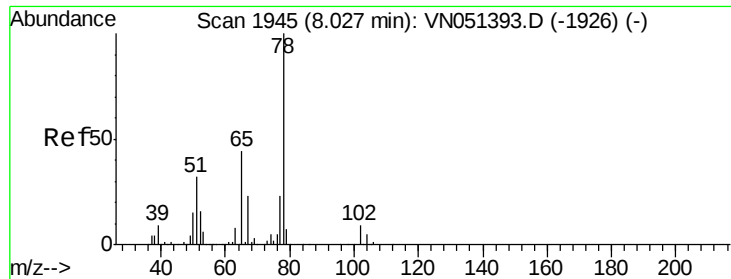


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

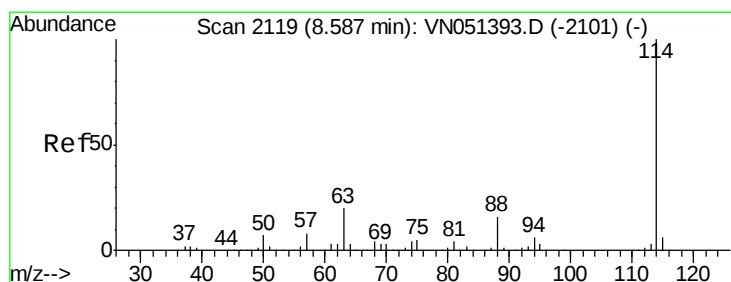
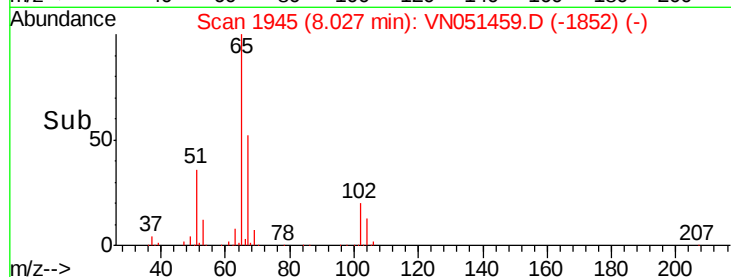
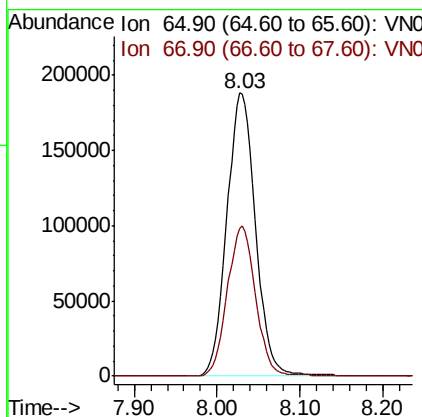
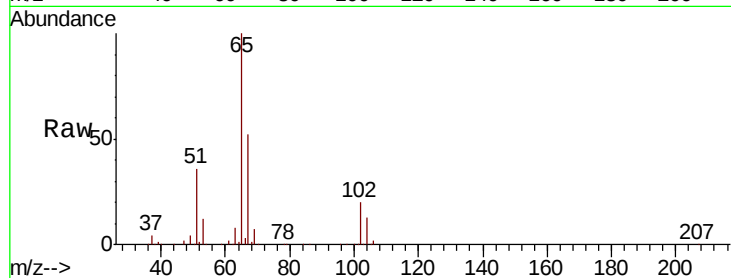




#33
 1,2-Dichloroethane-d4
 Concen: 54.942 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051459.D
 Acq: 24 Sep 2018 14:19

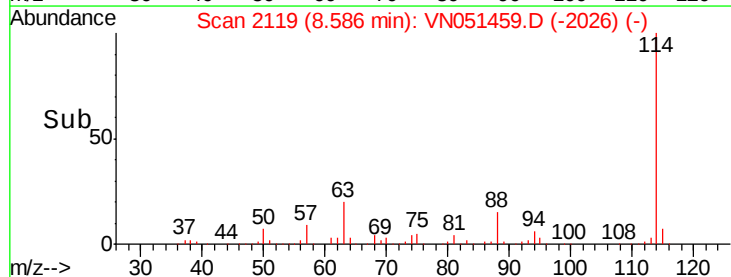
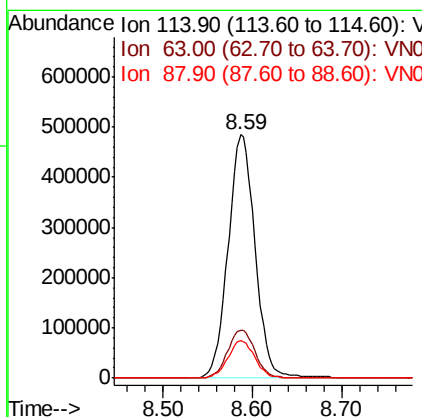
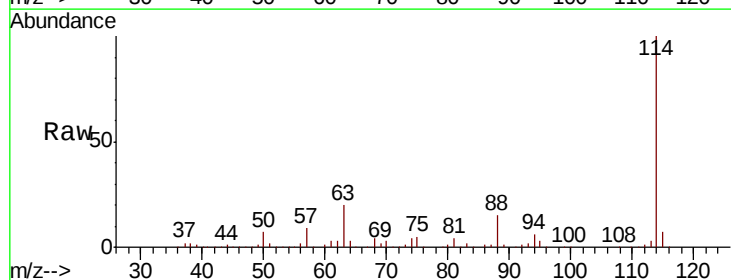
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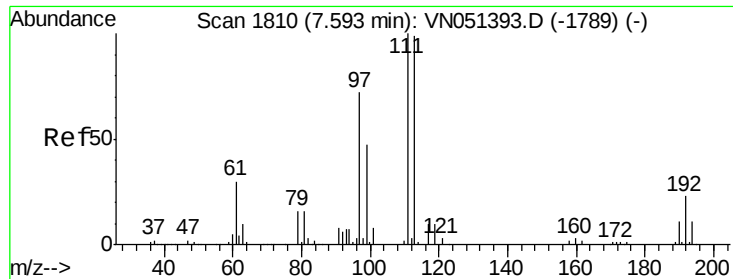
Tot Ion: 65 Resp: 452911
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051459.D
 Acq: 24 Sep 2018 14:19

Tgt Ion: 114 Resp: 1015632
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.3 0.0 31.4

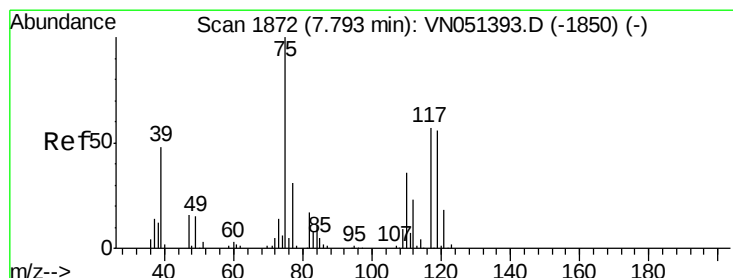
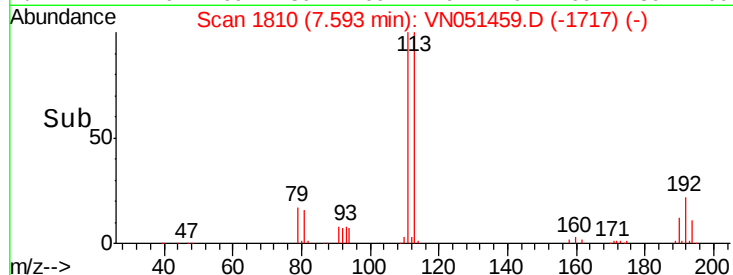
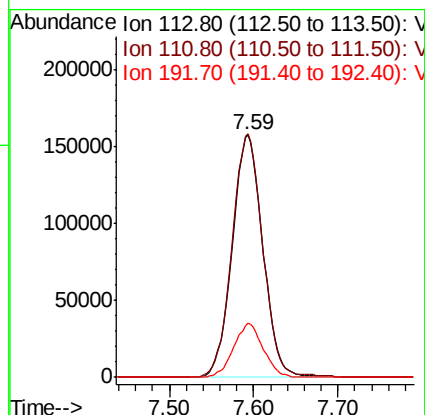
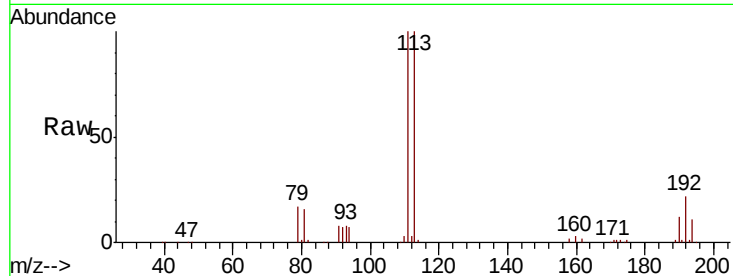




#35
 Dibromofluoromethane
 Concen: 48.976 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051459.D
 Acq: 24 Sep 2018 14:19

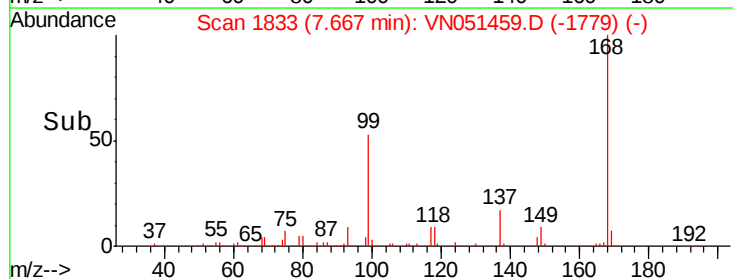
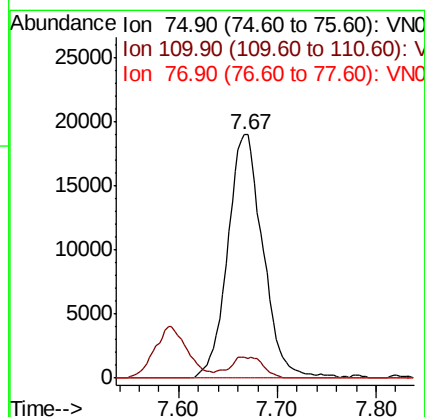
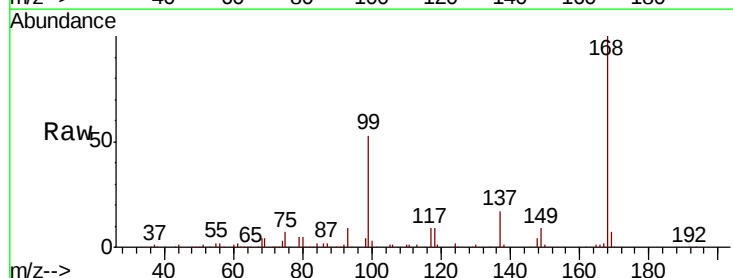
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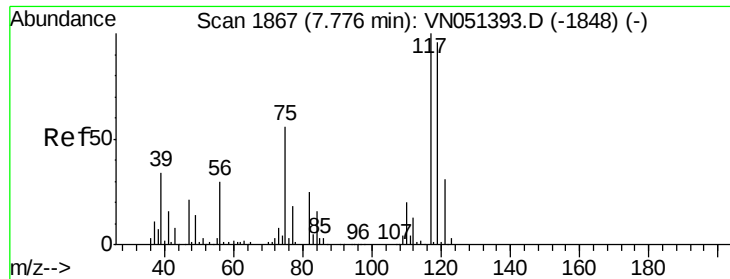
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	21.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 4.024 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051459.D
 Acq: 24 Sep 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.805 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-F

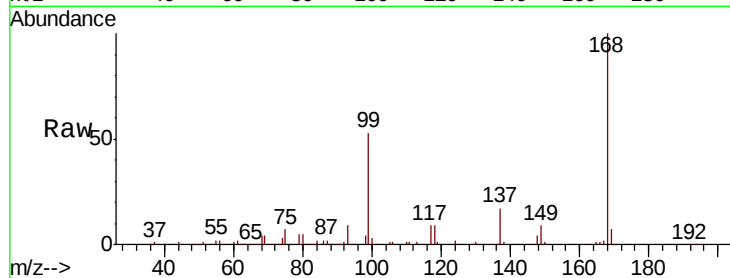
Tot Ion:117 Resp: 59113

Ion Ratio Lower Upper

117 100

119 6.6 76.9 115.3#

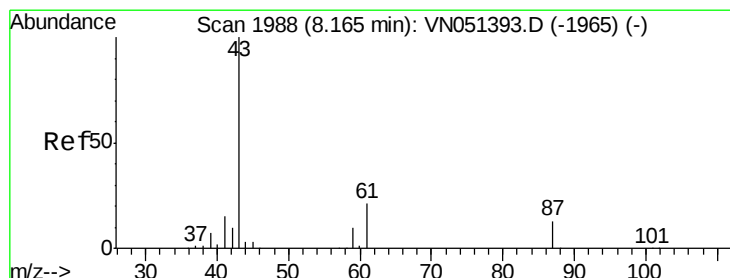
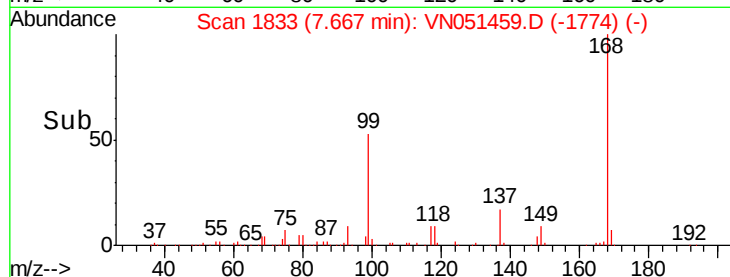
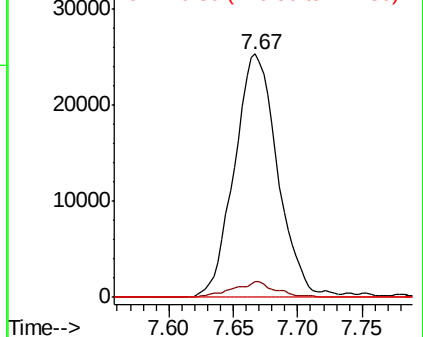
121 0.0 24.6 37.0#



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: 18.192 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

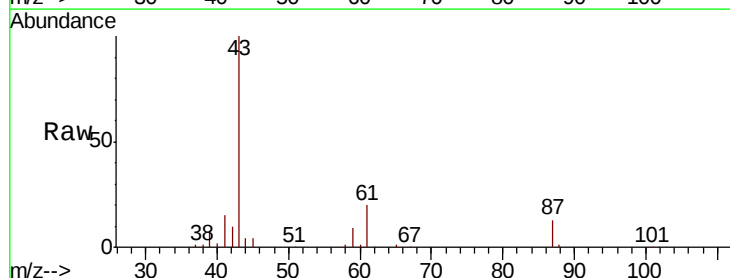
Tgt Ion: 43 Resp: 222454

Ion Ratio Lower Upper

43 100

61 19.6 16.8 25.2

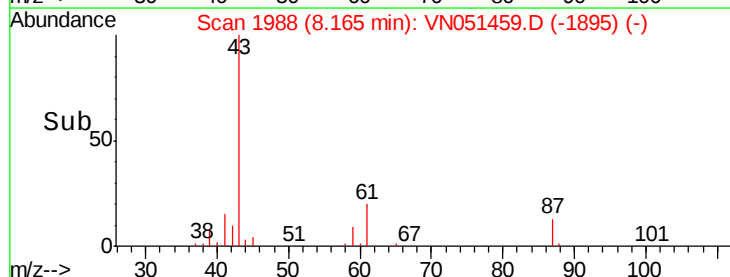
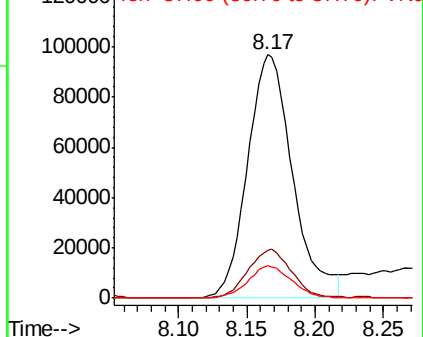
87 12.7 10.7 16.1

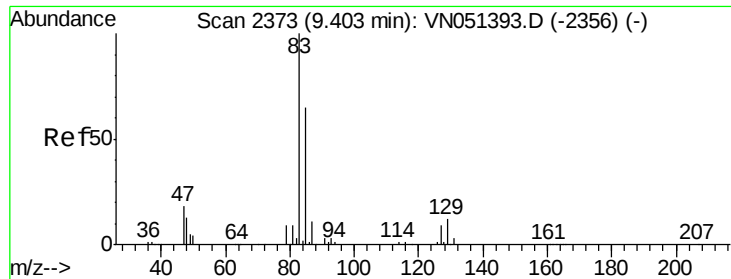


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

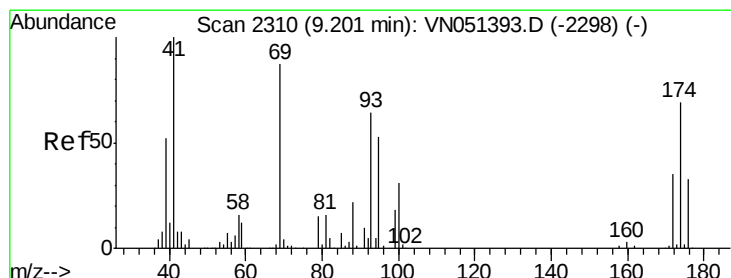
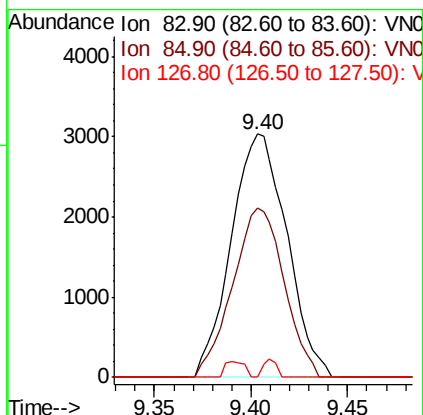
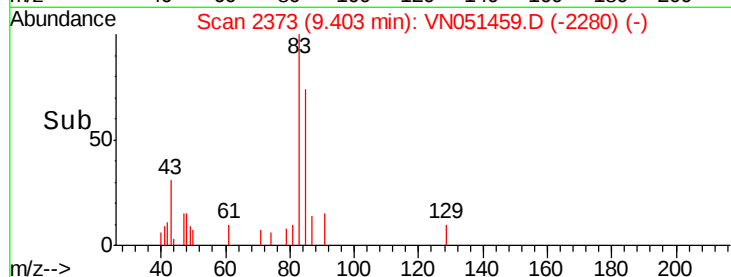
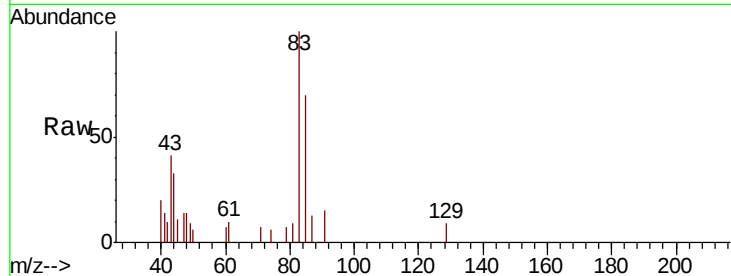




#47
Bromodichloromethane
Concen: 0.516 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

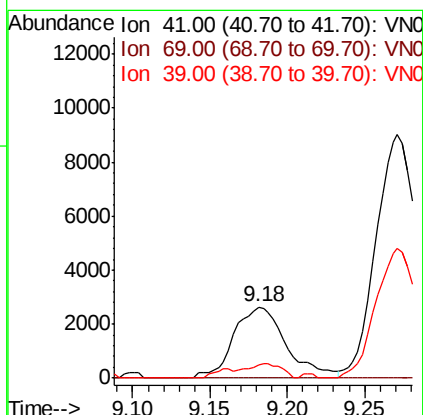
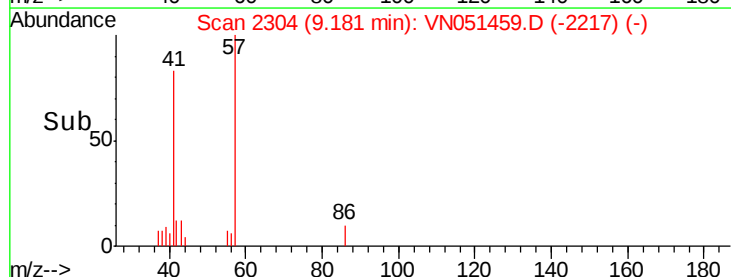
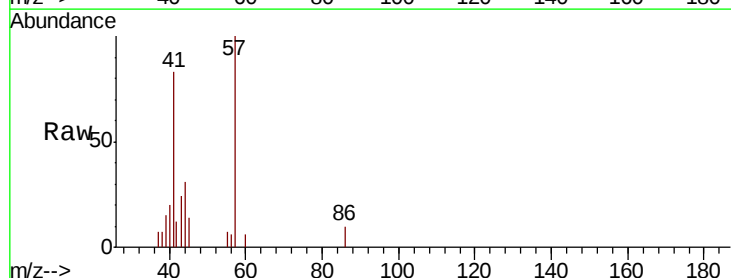
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-F

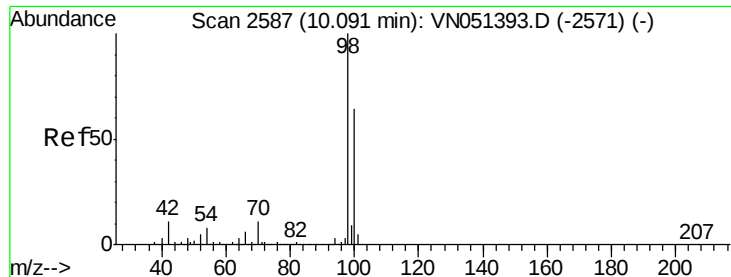
Tot Ion: 83 Resp: 6054
Ion Ratio Lower Upper
83 100
85 69.7 51.8 77.6
127 0.0 7.4 11.2#



#48
Methyl methacrylate
Concen: 1.017 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

Tgt Ion: 41 Resp: 6201
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 12.8 43.8 65.8#





#50

Toluene-d8

Concen: 46.116 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

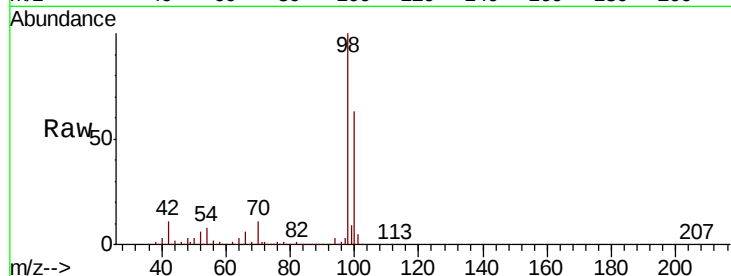
JC-02-092118-F

Tot Ion: 98 Resp: 1410374

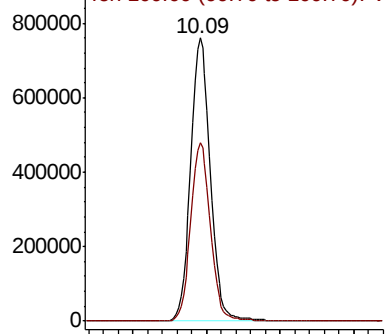
Ion Ratio Lower Upper

98 100

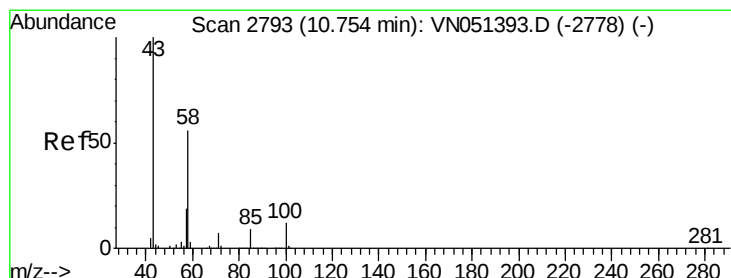
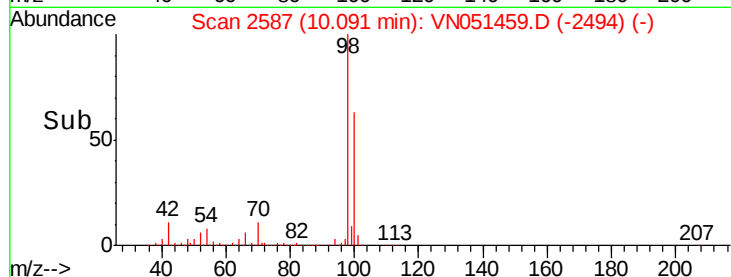
100 63.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)



Time-->



#59

2-Hexanone

Concen: 2.891 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051459.D

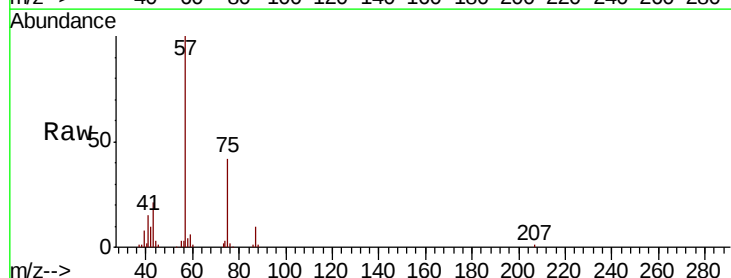
Acq: 24 Sep 2018 14:19

Tgt Ion: 43 Resp: 12602

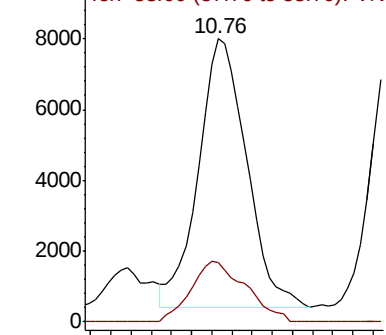
Ion Ratio Lower Upper

43 100

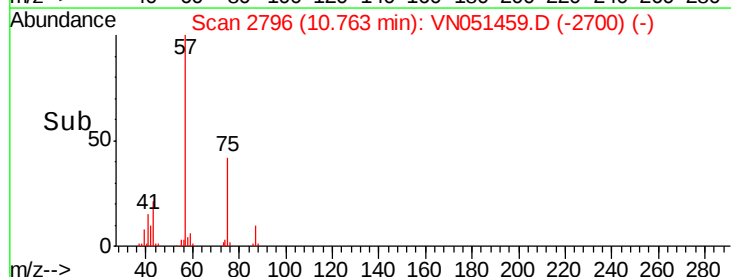
58 25.8 27.7 83.0#

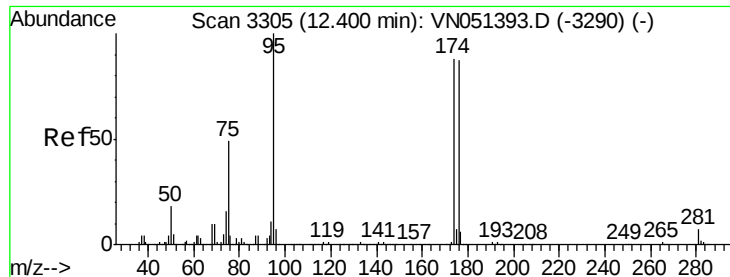


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-2778) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 38.759 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-F

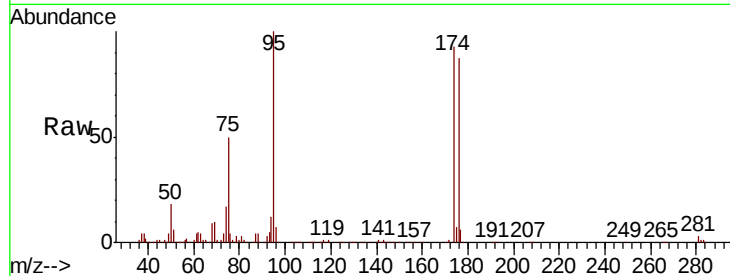
Tot Ion: 95 Resp: 383463

Ion Ratio Lower Upper

95 100

174 91.2 0.0 181.6

176 87.4 0.0 176.4



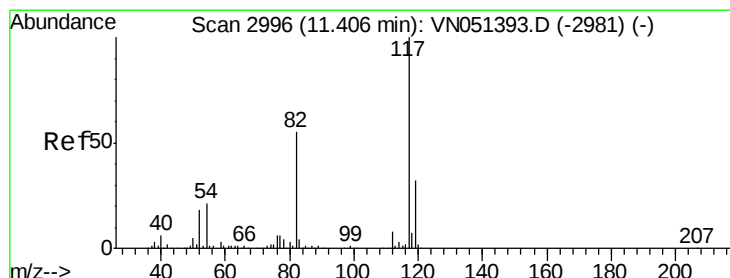
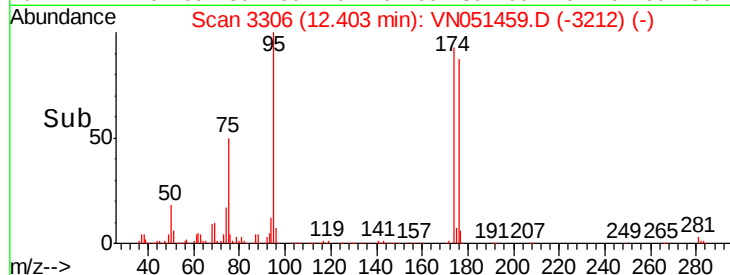
Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

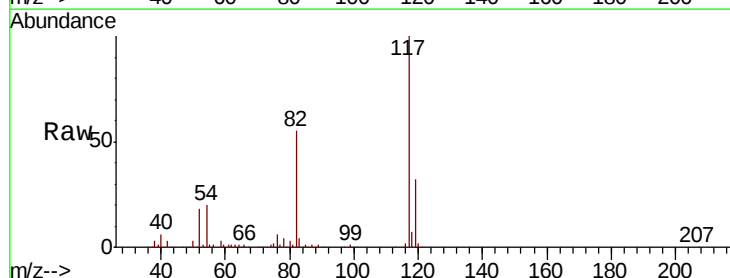
Tgt Ion: 117 Resp: 854779

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

119 31.6 25.9 38.9



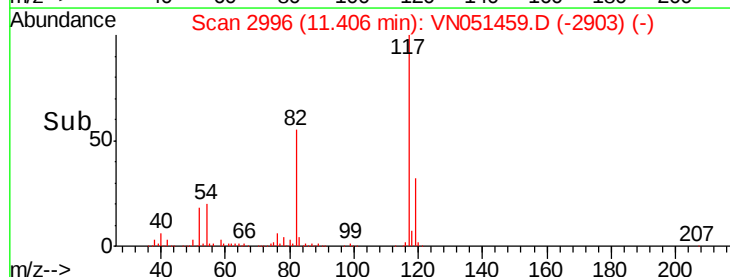
Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

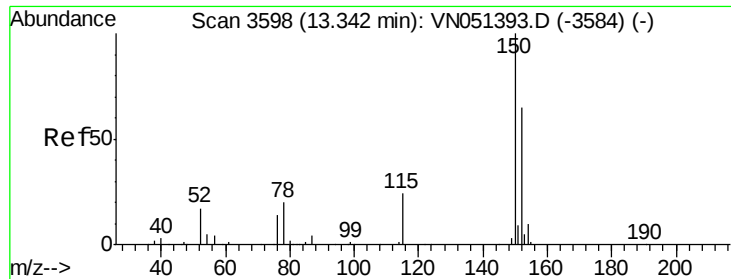
Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)

11.41

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051459.D

Acq: 24 Sep 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-F

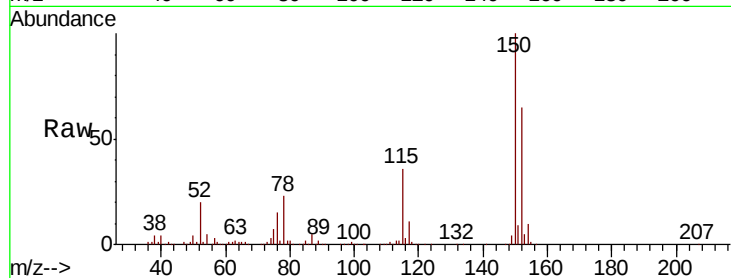
Tot Ion:152 Resp: 314157

Ion Ratio Lower Upper

152 100

115 56.0 28.3 84.9

150 155.8 0.0 353.6

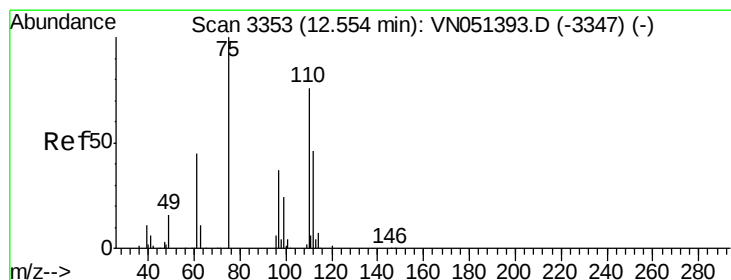
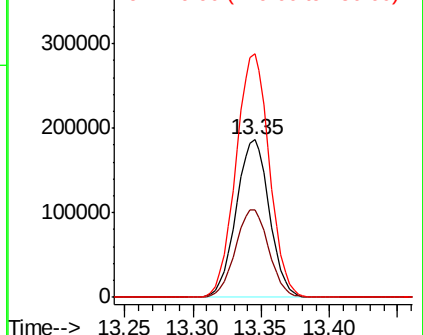
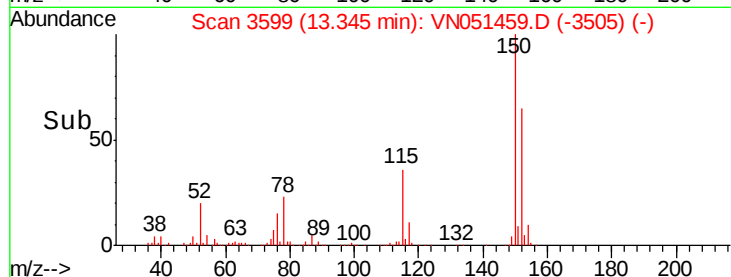


Abundance

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: 36.346 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051459.D

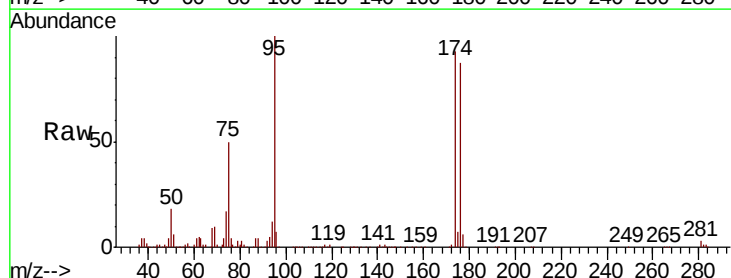
Acq: 24 Sep 2018 14:19

Tgt Ion: 75 Resp: 189551

Ion Ratio Lower Upper

75 100

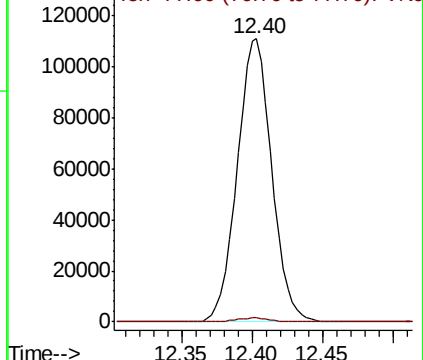
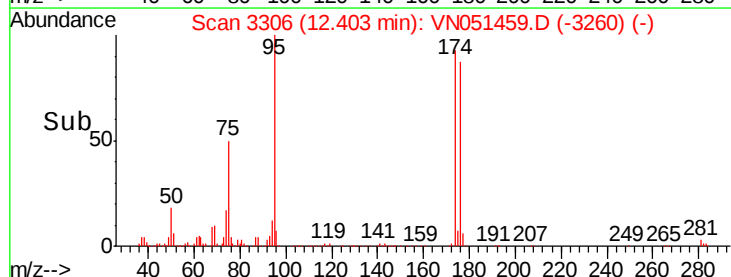
77 1.4 0.0 0.0#

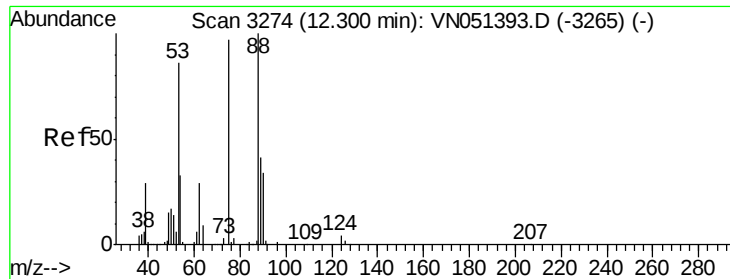


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

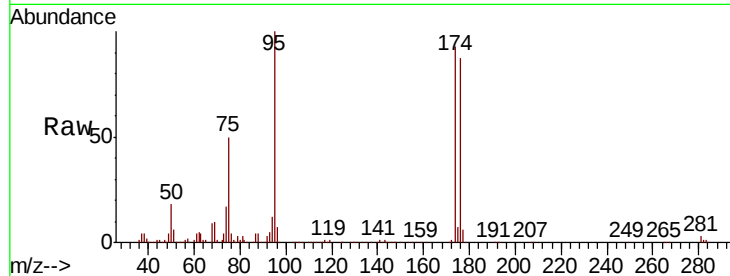




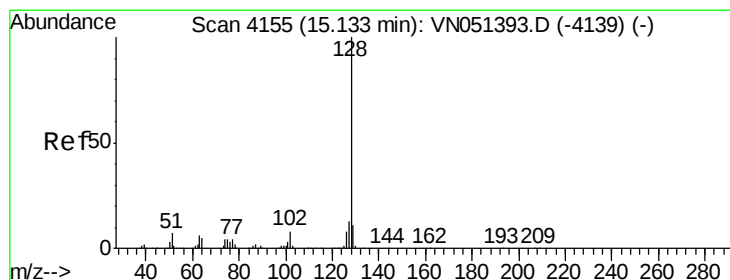
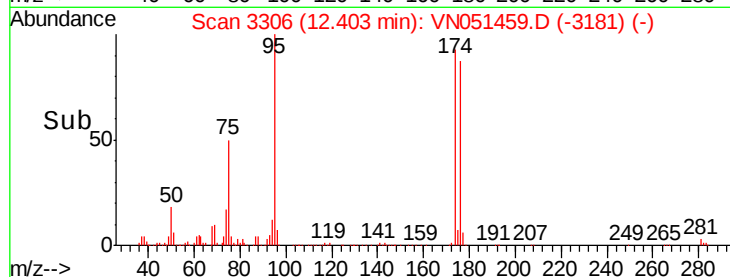
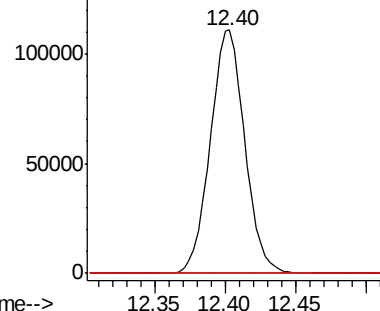
#81
trans-1,4-Dichloro-2-butene
Concen: 111.761 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-F

Tot Ion: 75 Resp: 189551
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.0 36.7 55.1#

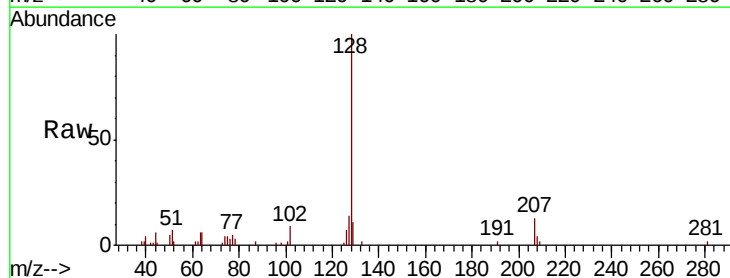


Abundance Ion 74.90 (74.60 to 75.60): VN051459.D (-3306) (-)
Ion 53.00 (52.70 to 53.70): VN051459.D (-3306) (-)
Ion 88.90 (88.60 to 89.60): VN051459.D (-3306) (-)



#95
Naphthalene
Concen: 9.857 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051459.D
Acq: 24 Sep 2018 14:19

Tgt Ion: 128 Resp: 25229
Ion Ratio Lower Upper
128 100
127 14.6 10.5 15.7
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN051459.D (-4155) (-)
Ion 127.00 (126.70 to 127.70): VN051459.D (-4155) (-)
Ion 129.00 (128.70 to 129.70): VN051459.D (-4155) (-)

