

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051458.D
 Acq On : 24 Sep 2018 13:55
 Operator : MD\SY
 Sample : J4770-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Sep 25 01:58:23 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

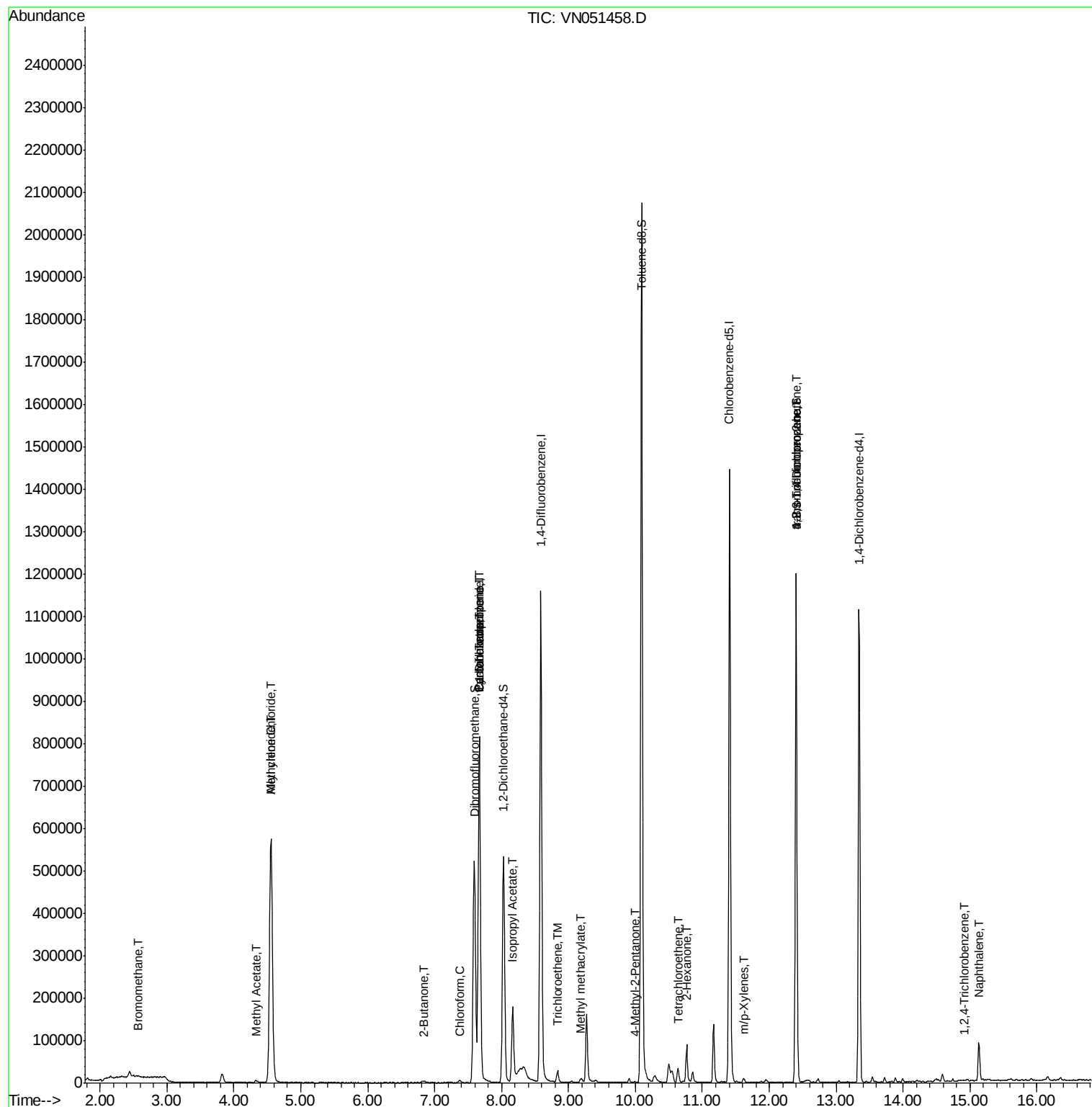
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	701258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1055466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326259	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	463314	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.59	113	405591	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	10.09	98	1496130	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	12.40	95	405994	39.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.98%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.57	94	1890	0.333	ug/l	81
14) Allyl chloride	4.54	41	18114	1.384	ug/l #	26
16) Acetone	3.82	43	34039	Below Cal		95
18) Methyl Acetate	4.33	43	8623	1.289	ug/l	95
20) Methylene Chloride	4.55	84	432407	49.744	ug/l	100
25) 2-Butanone	6.85	43	3121	1.038	ug/l	93
30) Chloroform	7.37	83	3023	0.202	ug/l	84
31) Cyclohexane	7.67	56	13401	0.969	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48727	3.987	ug/l #	48
38) Carbon Tetrachloride	7.67	117	63351	4.955	ug/l #	16
43) Isopropyl Acetate	8.17	43	215994	16.997	ug/l	98
44) Trichloroethene	8.84	130	9728	1.021	ug/l	72
48) Methyl methacrylate	9.18	41	5982	0.944	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	1586	0.227	ug/l #	81
59) 2-Hexanone	10.76	43	12706	2.805	ug/l #	60
64) Tetrachloroethene	10.63	164	2902	0.362	ug/l	86
68) m/p-Xylenes	11.62	106	3215	0.217	ug/l	87
76) 1,2,3-Trichloropropane	12.40	75	195381	36.074	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	195381	110.925	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	108	5.997	ug/l #	33
95) Naphthalene	15.13	128	82918	13.780	ug/l	98

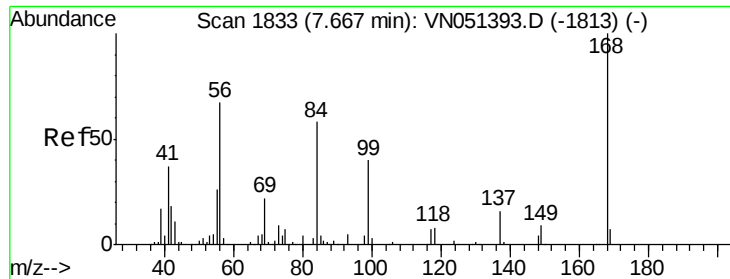
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092418\
Data File : VN051458.D
Acq On : 24 Sep 2018 13:55
Operator : MD\SY
Sample : J4770-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Sep 25 01:58:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
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: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

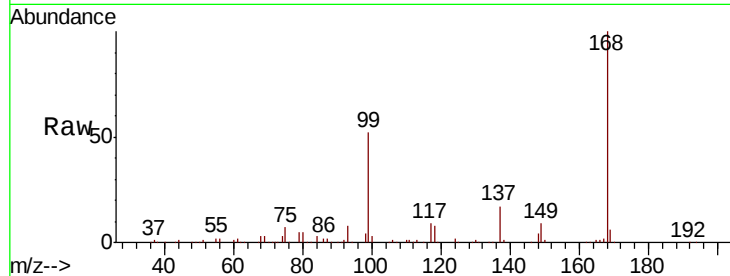
JC-02-092118-E

Tot Ion:168 Resp: 701258

Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

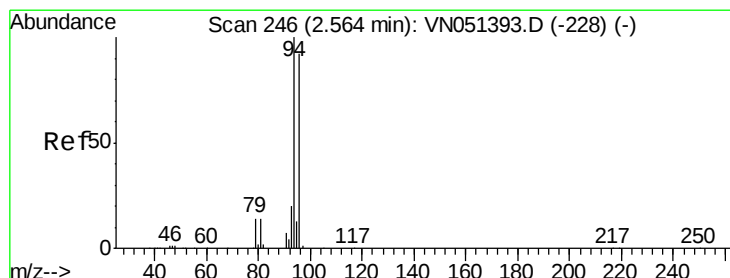
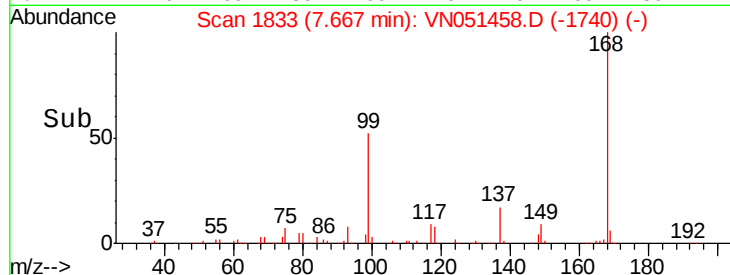
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.333 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051458.D

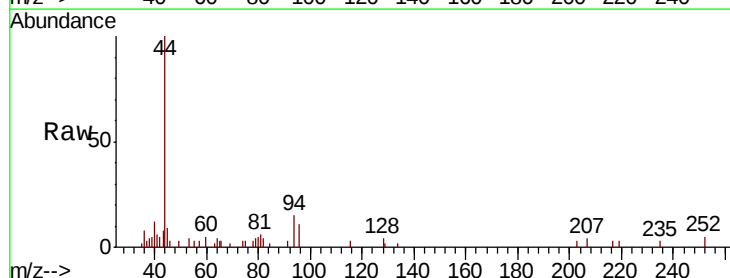
Acq: 24 Sep 2018 13:55

Tgt Ion: 94 Resp: 1890

Ion Ratio Lower Upper

94 100

96 74.4 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

1000

800

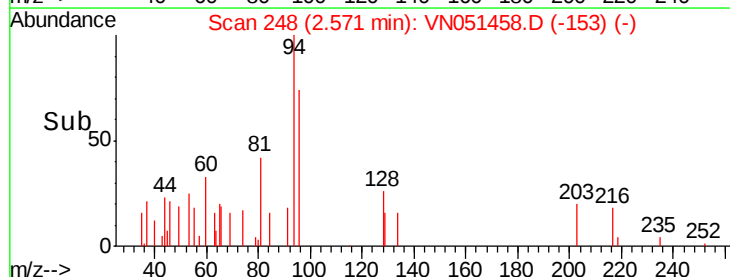
600

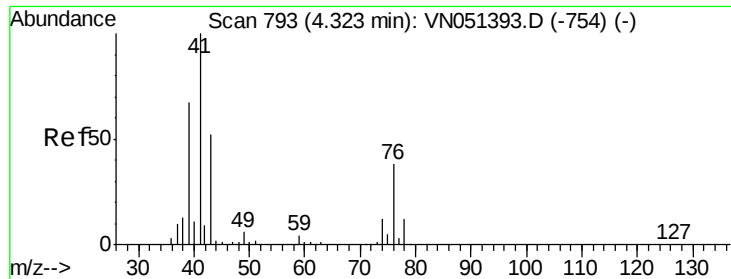
400

200

0

Time-->





#14

Allvl chloride

Concen: 1.384 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.22 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

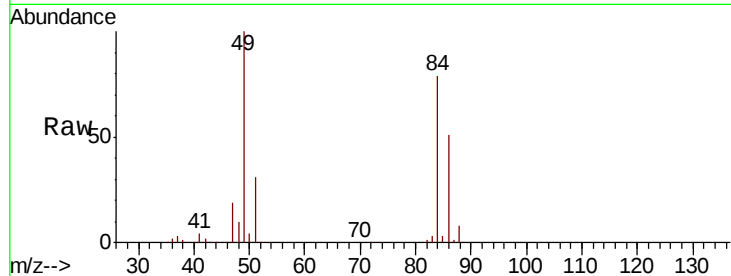
Tot Ion: 41 Resp: 18114

Ion Ratio Lower Upper

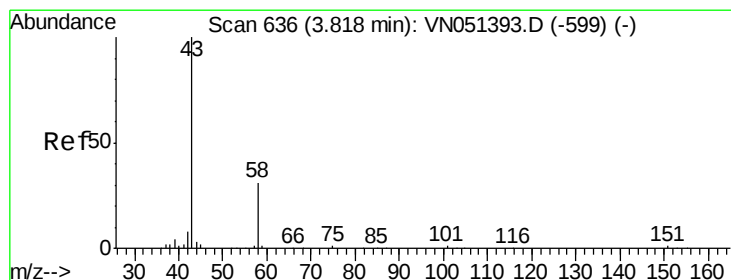
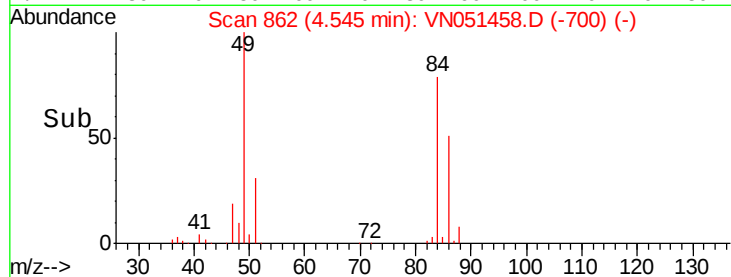
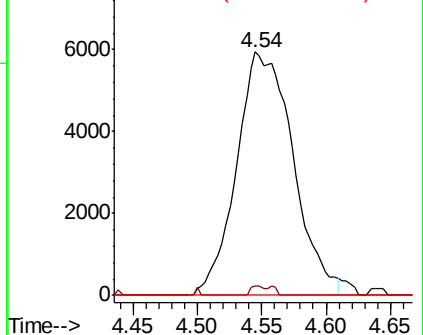
41 100

39 0.9 51.4 77.2#

76 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051458.D

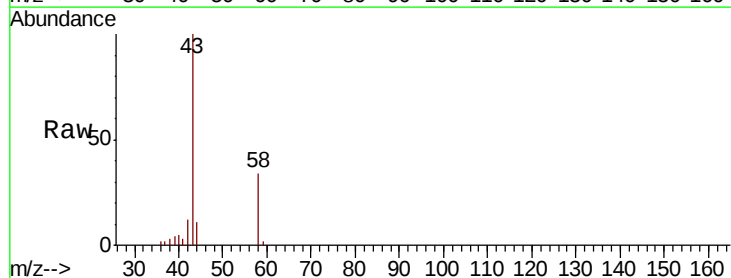
Acq: 24 Sep 2018 13:55

Tgt Ion: 43 Resp: 34039

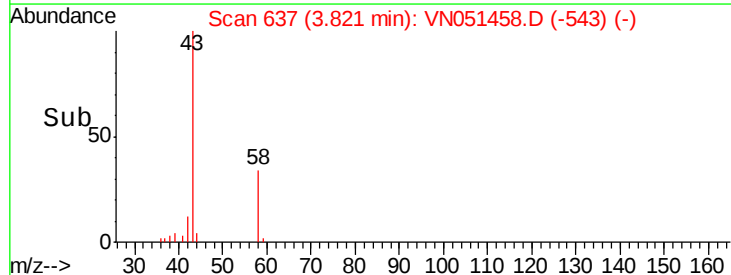
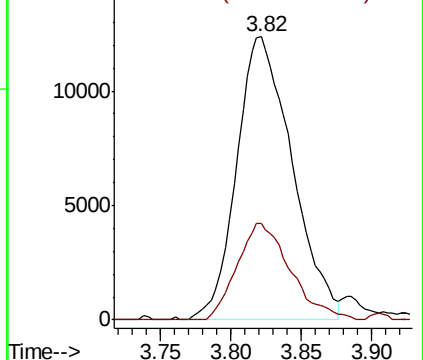
Ion Ratio Lower Upper

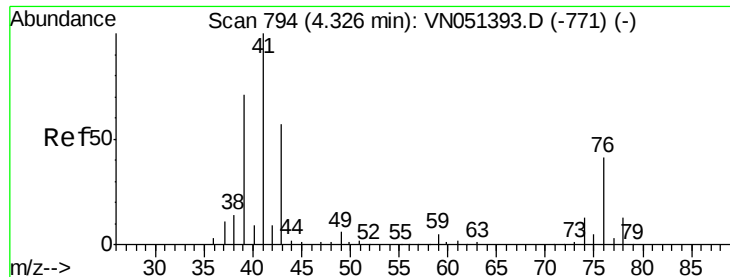
43 100

58 34.2 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

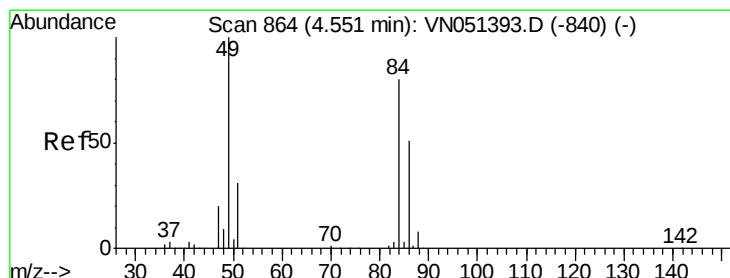
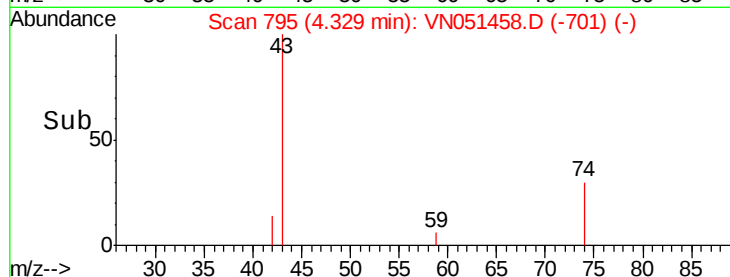
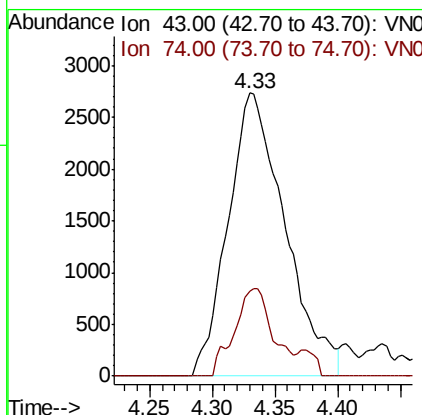
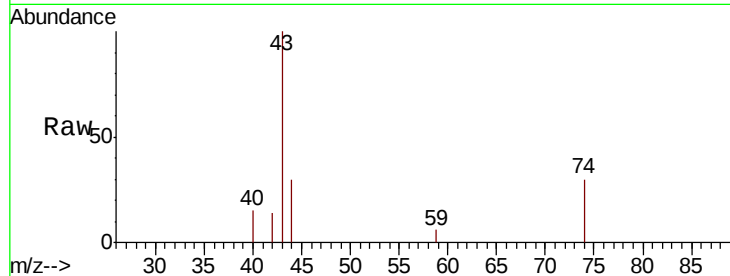




#18
Methyl Acetate
Concen: 1.289 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

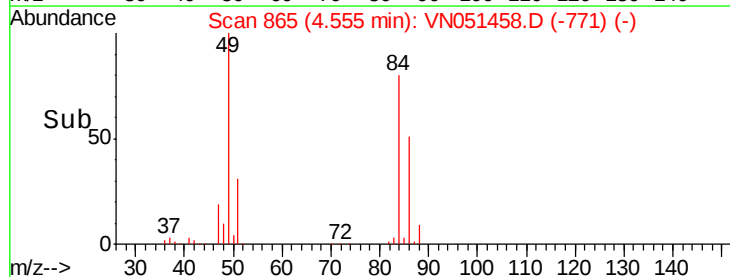
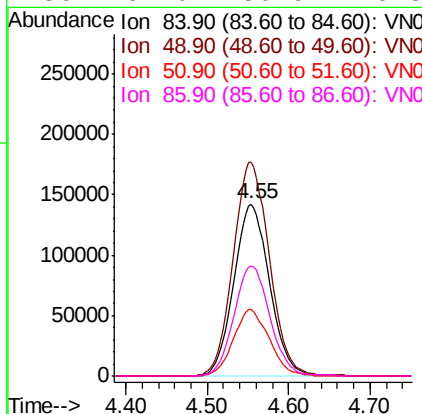
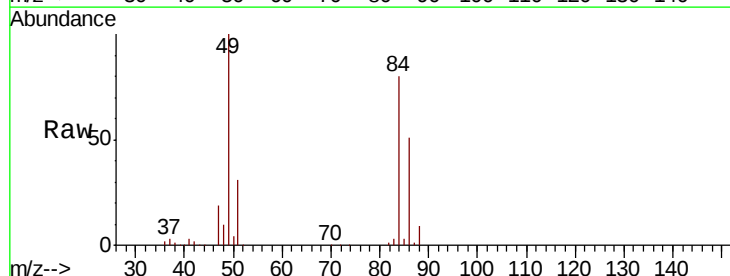
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-E

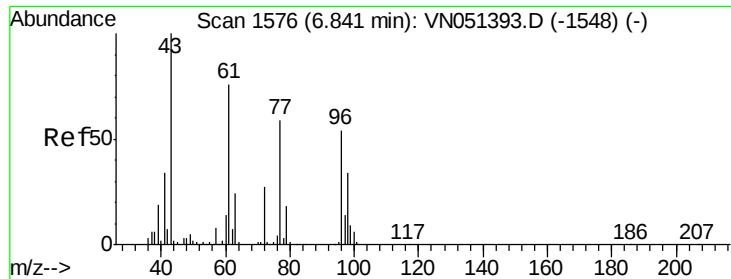
Tot Ion: 43 Resp: 8623
Ion Ratio Lower Upper
43 100
74 21.0 18.8 28.2



#20
Methylene Chloride
Concen: 49.744 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

Tgt Ion: 84 Resp: 432407
Ion Ratio Lower Upper
84 100
49 124.5 99.9 149.9
51 39.1 31.4 47.2
86 64.0 50.9 76.3

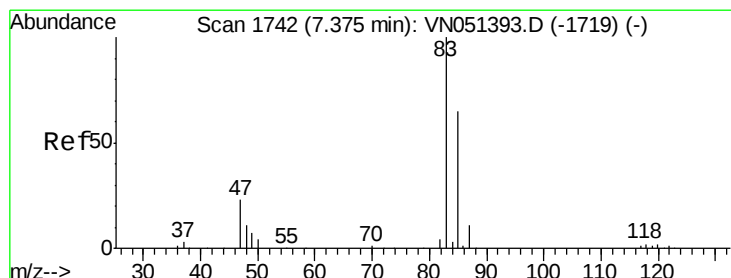
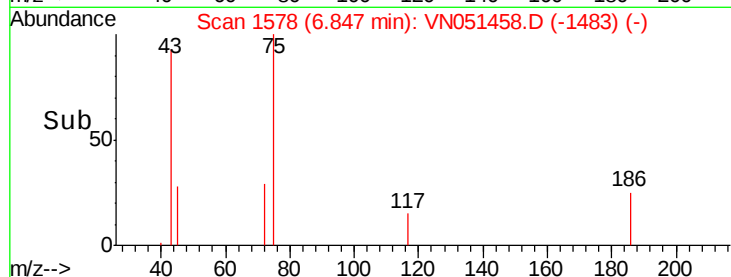
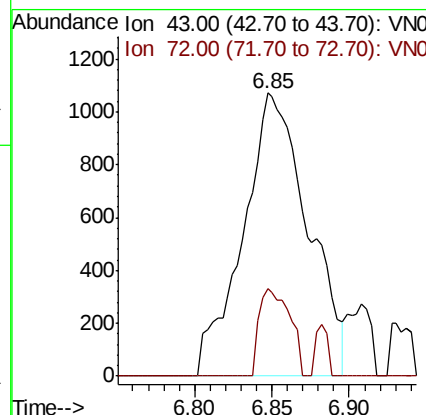
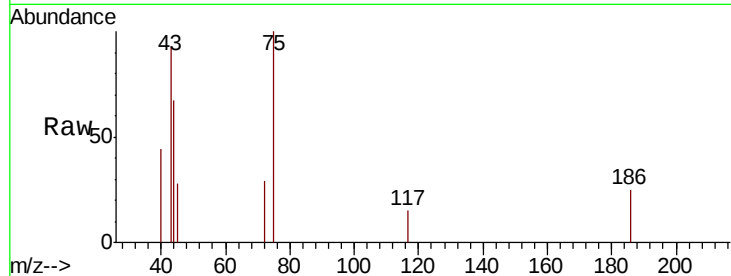




#25
2-Butanone
Concen: 1.038 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

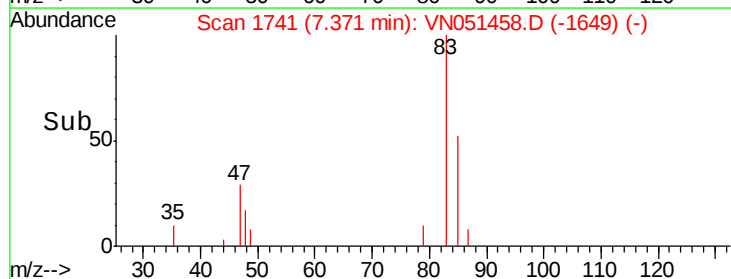
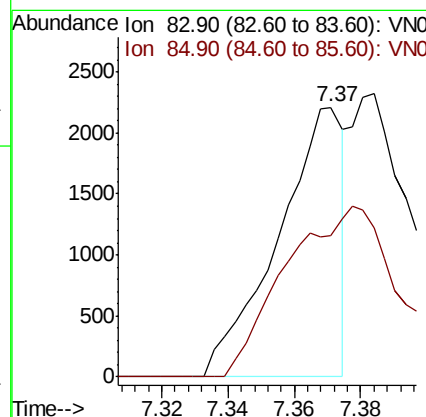
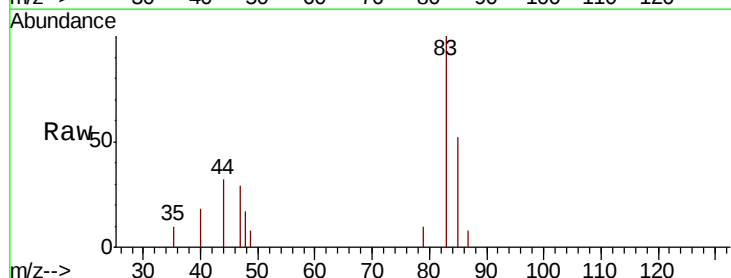
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-E

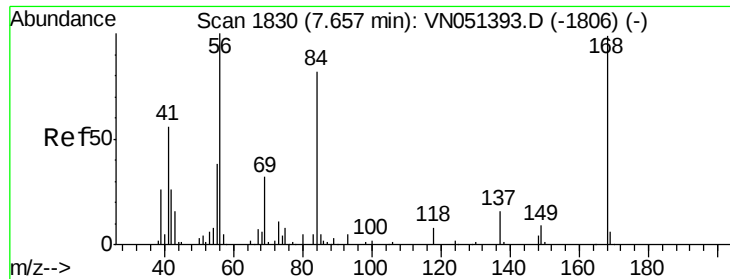
Tot Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
72 30.9 21.8 32.6



#30
Chloroform
Concen: 0.202 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

Tgt Ion: 83 Resp: 3023
Ion Ratio Lower Upper
83 100
85 52.3 51.8 77.6

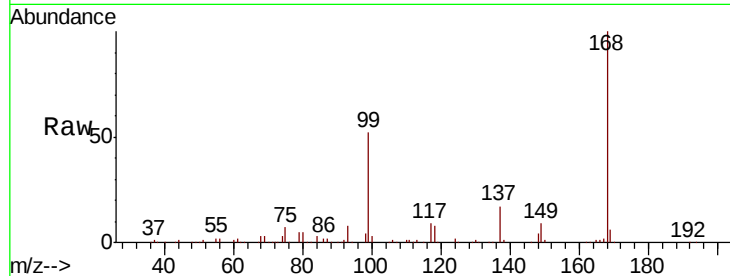




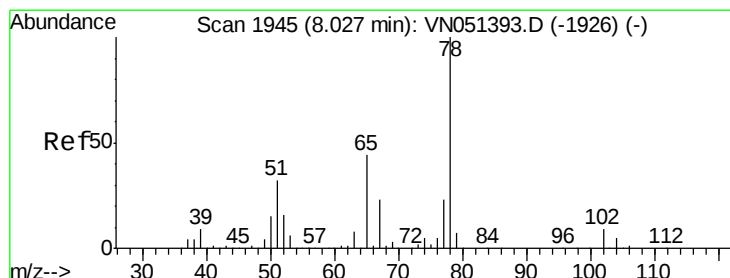
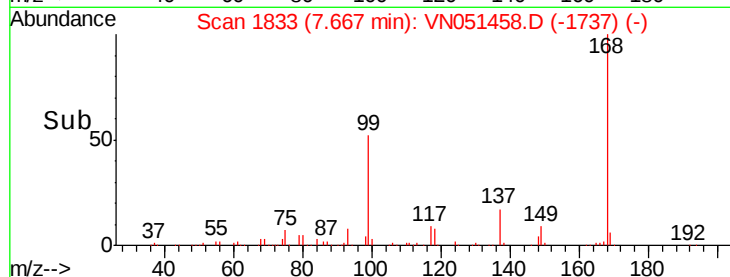
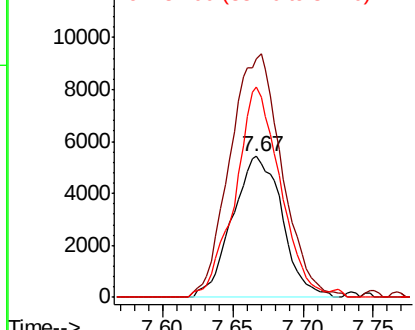
#31
Cyclohexane
Concen: 0.969 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

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

Tot Ion: 56 Resp: 13401
Ion Ratio Lower Upper
56 100
69 168.6 25.8 38.6#
84 149.4 66.0 99.0#

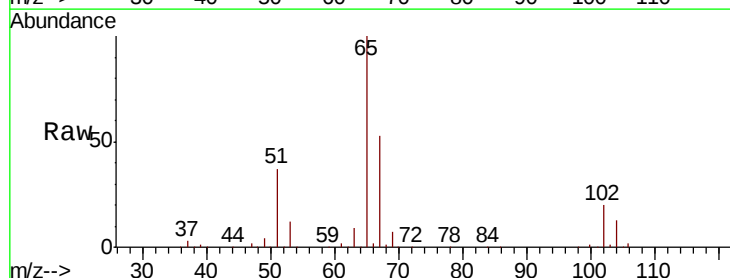


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

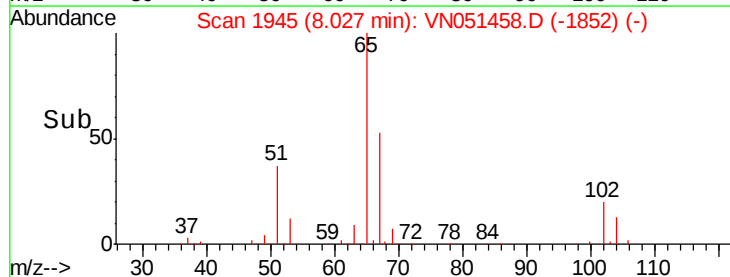
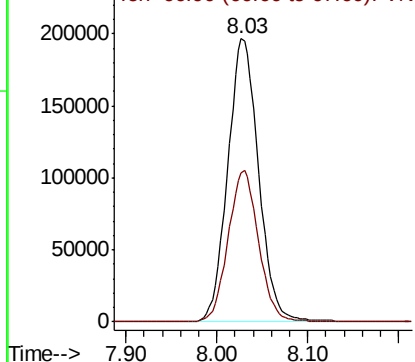


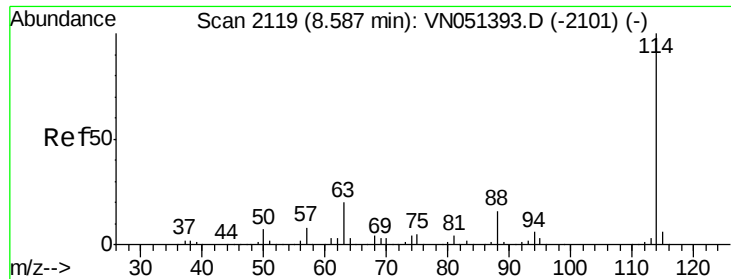
#33
1,2-Dichloroethane-d4
Concen: 52.742 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

Tgt Ion: 65 Resp: 463314
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

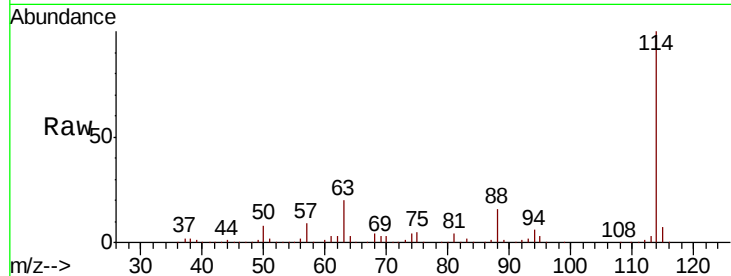




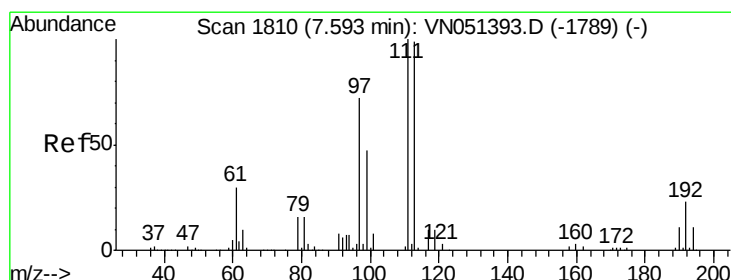
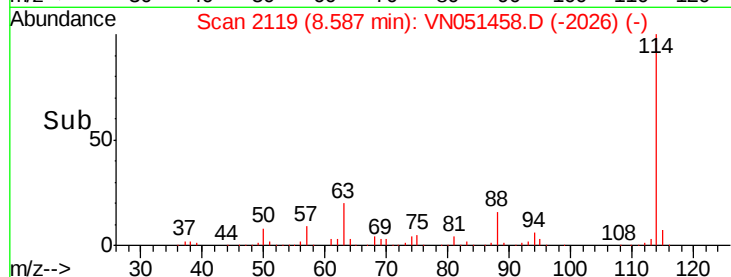
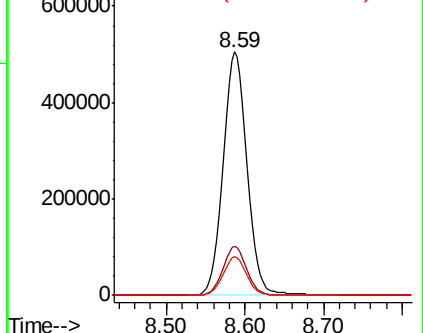
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051458.D
 Acq: 24 Sep 2018 13:55

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

Tot Ion:114 Resp: 1055466
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.9 0.0 31.4

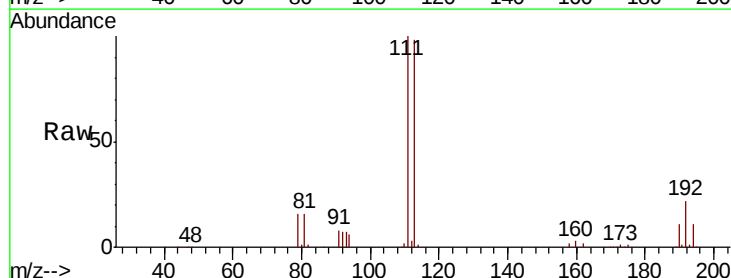


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

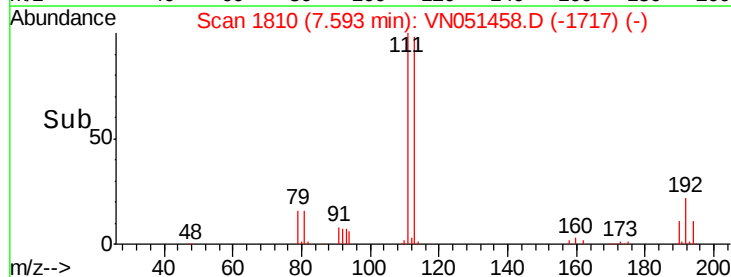
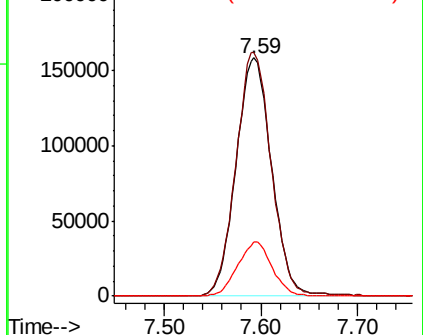


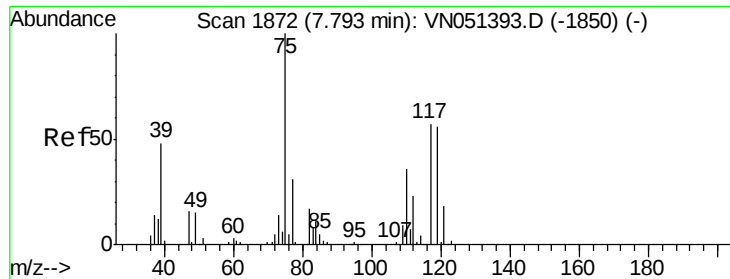
#35
 Dibromofluoromethane
 Concen: 48.055 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051458.D
 Acq: 24 Sep 2018 13:55

Tgt Ion:113 Resp: 405591
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 123.8
 192 21.9 18.0 27.0



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: 3.987 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

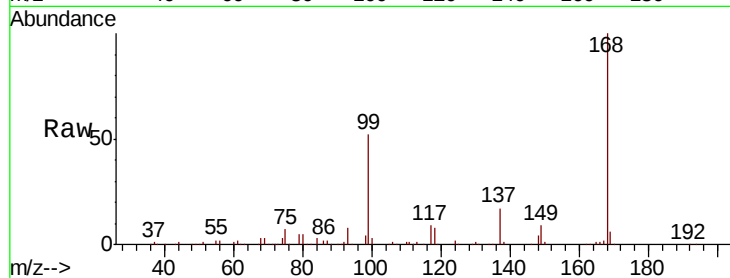
Tot Ion: 75 Resp: 48727

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

77 0.0 25.6 38.4#

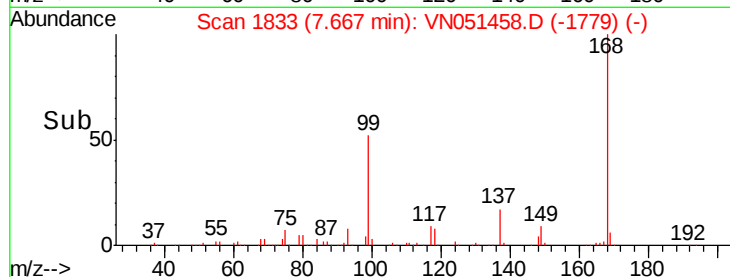


Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051393.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051393.D (-1850) (-)

Time-->

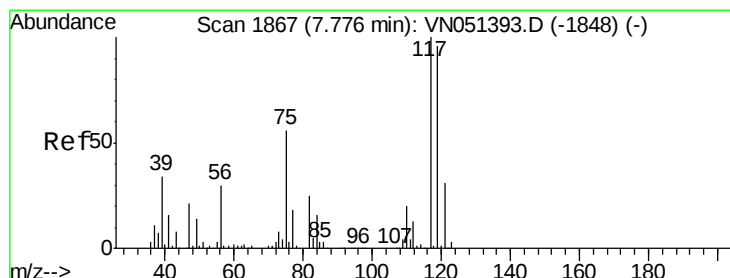


Abundance Ion 74.90 (74.60 to 75.60): VN051458.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN051458.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN051458.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.955 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

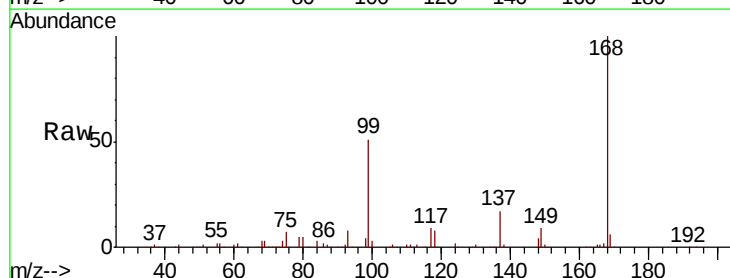
Tgt Ion: 117 Resp: 63351

Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

121 0.0 24.6 37.0#

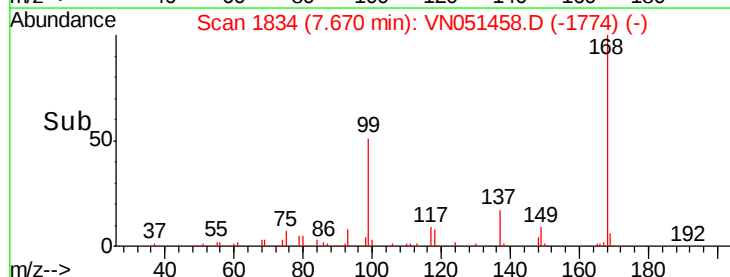


Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)

Time-->

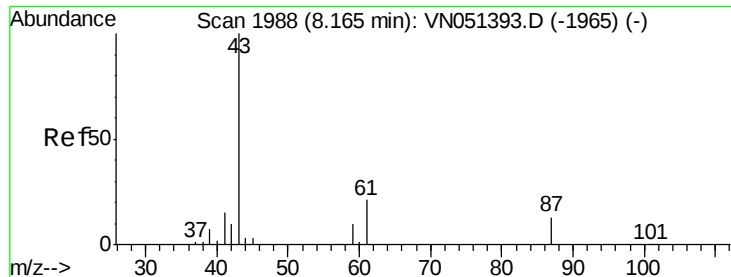


Abundance Ion 116.80 (116.50 to 117.50): VN051458.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN051458.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN051458.D (-1774) (-)

Time-->



#43

Isopropyl Acetate

Concen: 16.997 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

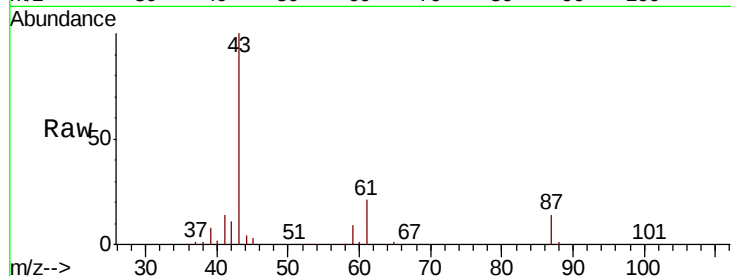
Tot Ion: 43 Resp: 215994

Ion Ratio Lower Upper

43 100

61 19.8 16.8 25.2

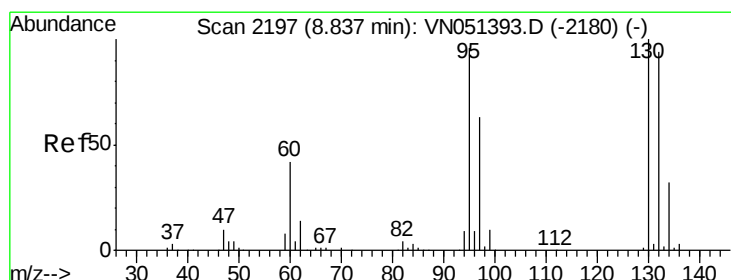
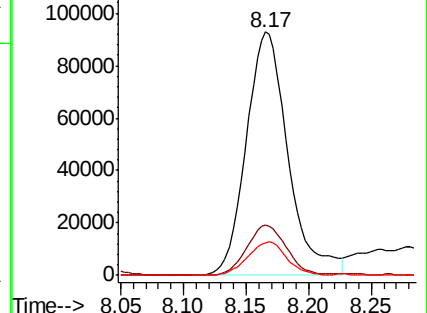
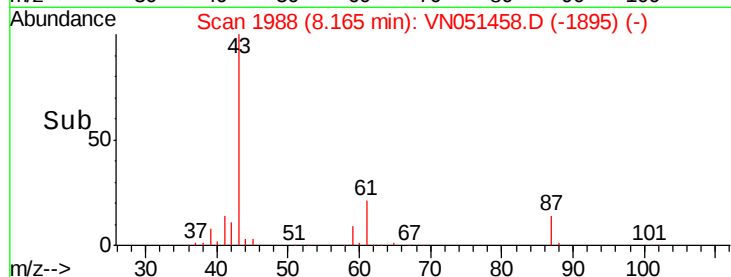
87 12.8 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051458.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN051458.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN051458.D (-1895) (-)



#44

Trichloroethene

Concen: 1.021 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051458.D

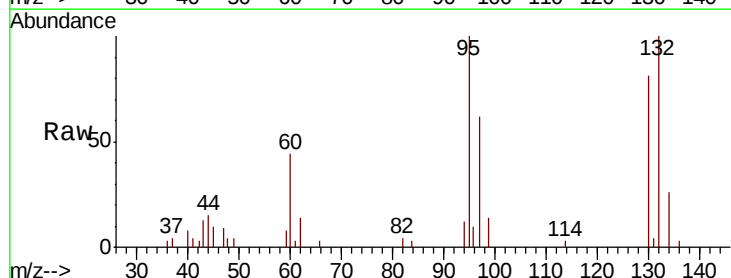
Acq: 24 Sep 2018 13:55

Tgt Ion: 130 Resp: 9728

Ion Ratio Lower Upper

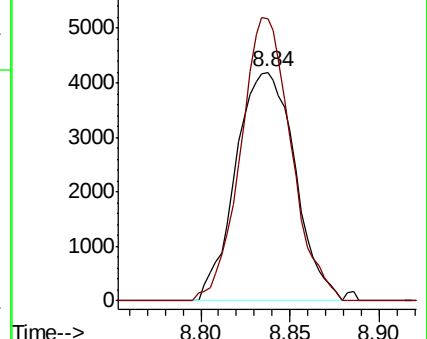
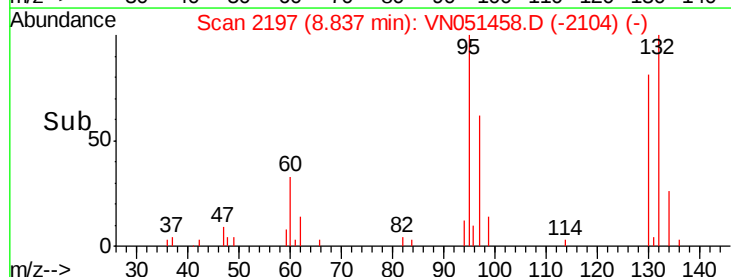
130 100

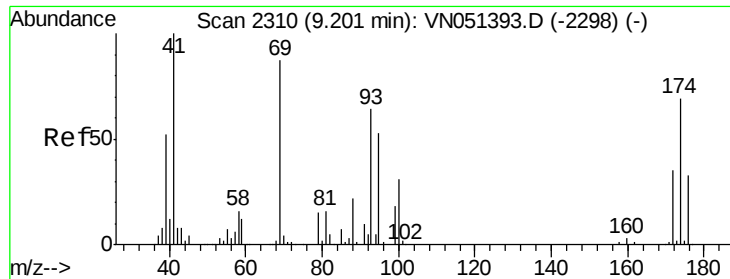
95 123.3 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051458.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN051458.D (-2104) (-)

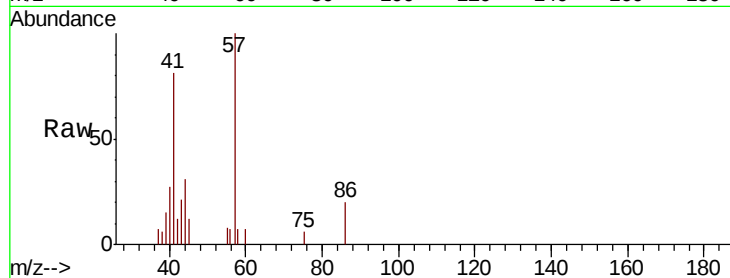




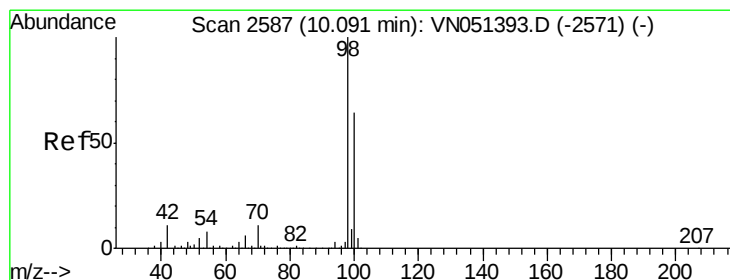
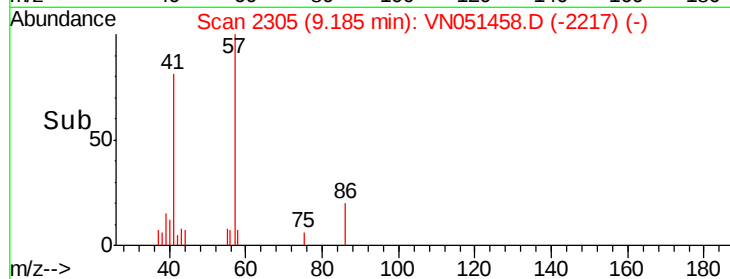
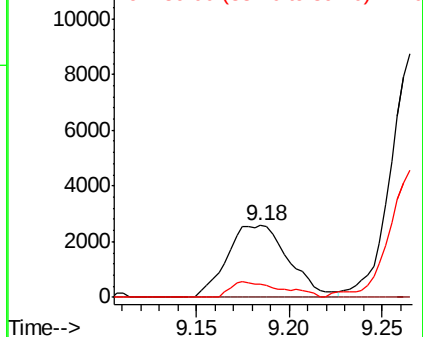
#48
Methvl methacrylate
Concen: 0.944 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

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

Tot Ion: 41 Resp: 5982
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 18.0 43.8 65.8#

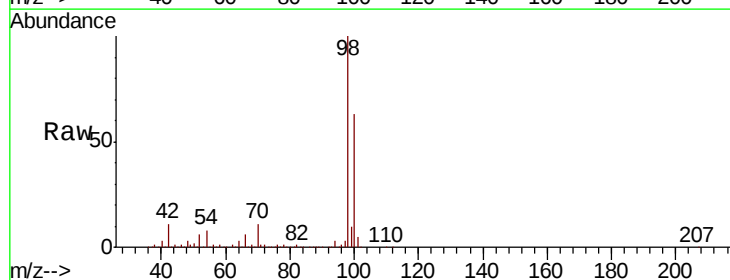


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

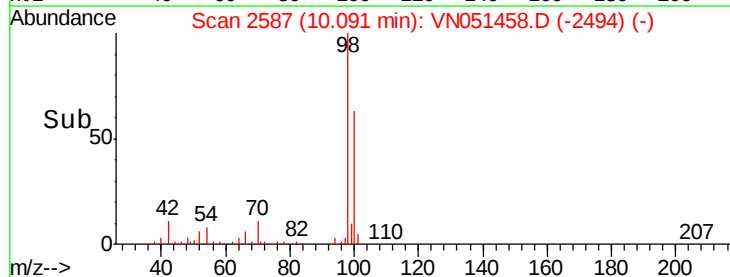
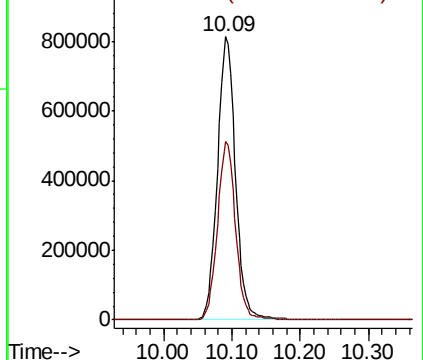


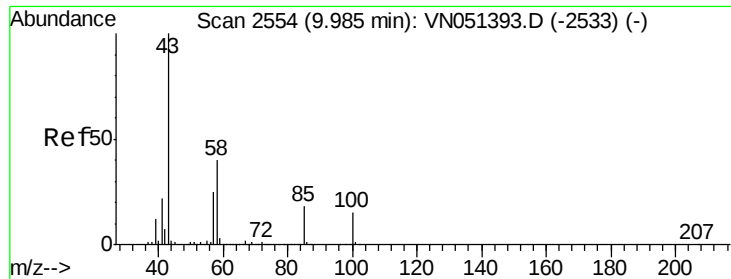
#50
Toluene-d8
Concen: 47.074 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

Tgt Ion: 98 Resp: 1496130
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

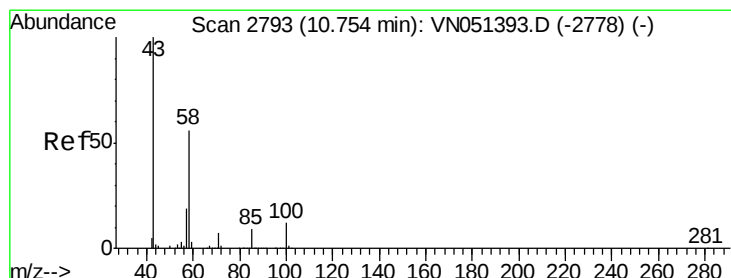
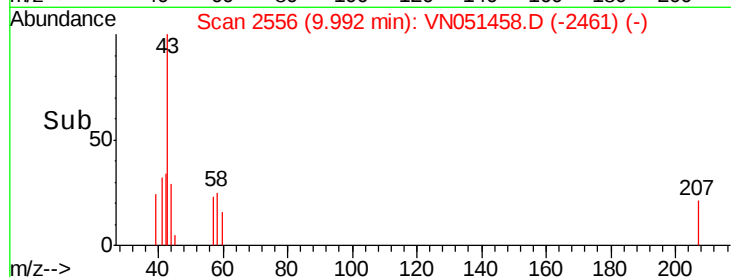
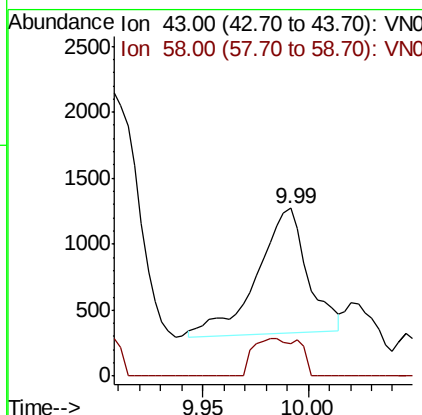
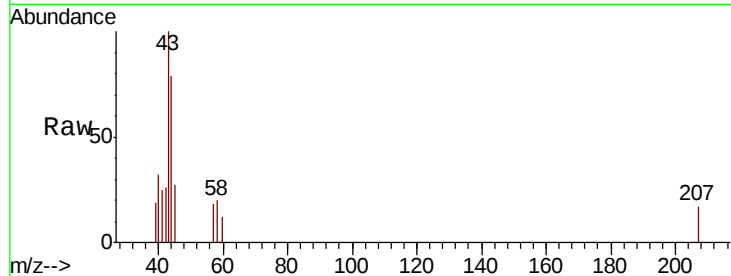




#51
4-Methyl-2-Pentanone
Concen: 0.227 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

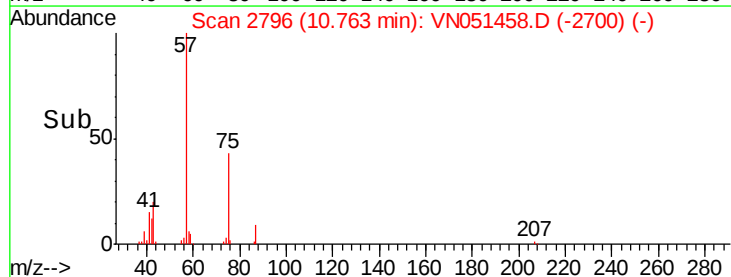
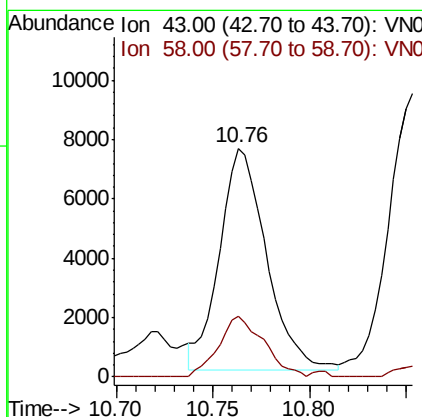
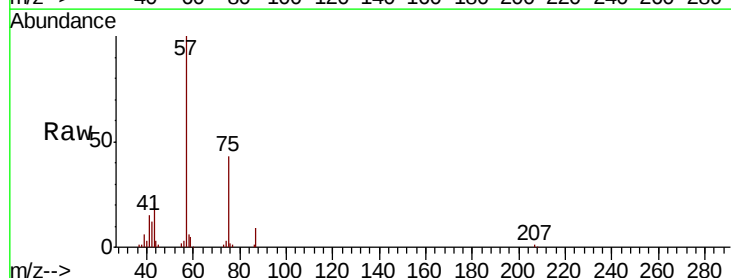
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-E

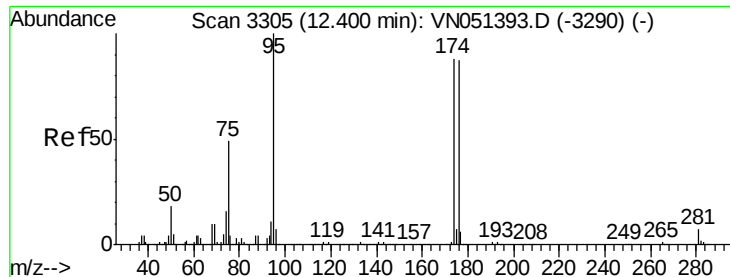
Tot Ion: 43 Resp: 1586
Ion Ratio Lower Upper
43 100
58 27.9 31.5 47.3#



#59
2-Hexanone
Concen: 2.805 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051458.D
Acq: 24 Sep 2018 13:55

Tgt Ion: 43 Resp: 12706
Ion Ratio Lower Upper
43 100
58 26.2 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 39.488 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

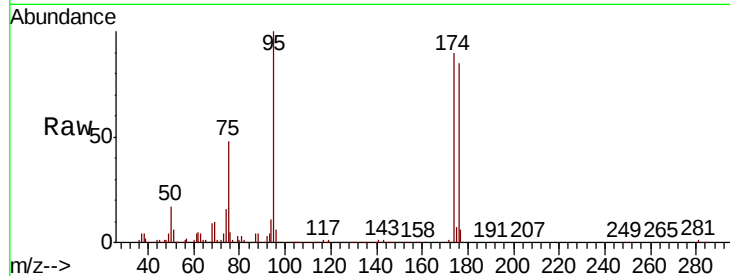
Tot Ion: 95 Resp: 405994

Ion Ratio Lower Upper

95 100

174 90.0 0.0 181.6

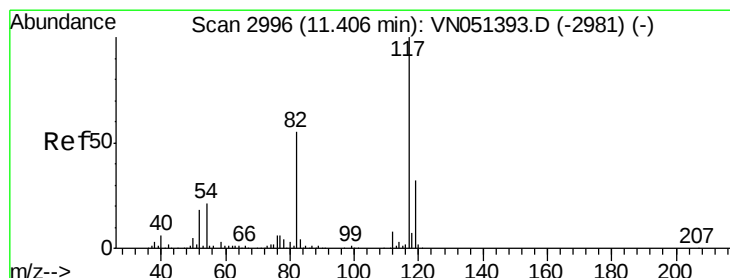
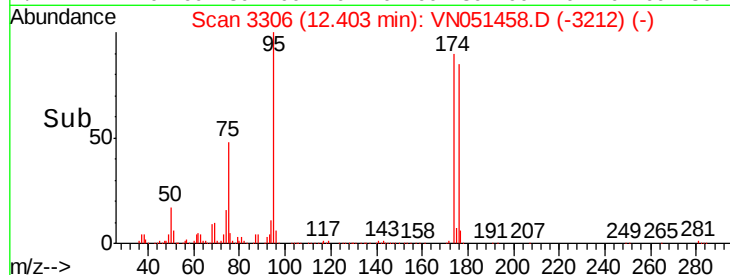
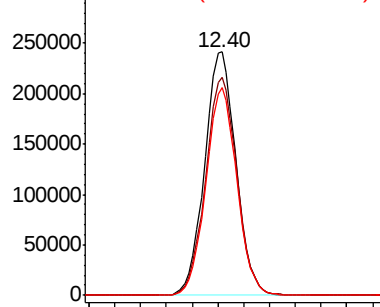
176 84.6 0.0 176.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

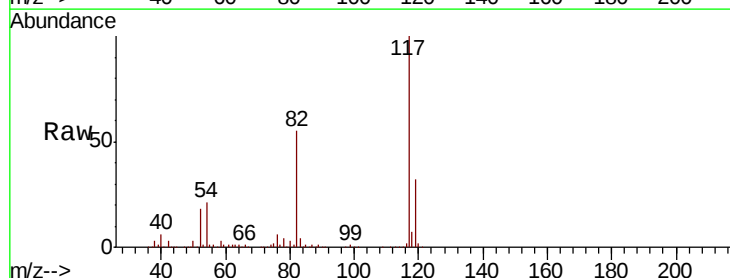
Tgt Ion: 117 Resp: 883971

Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

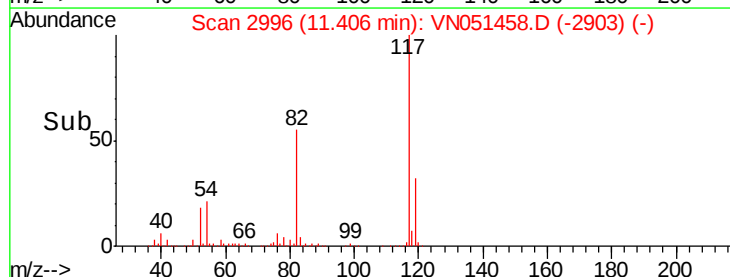
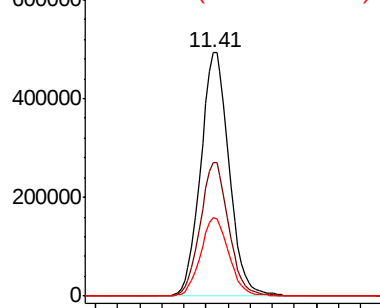
119 32.2 25.9 38.9

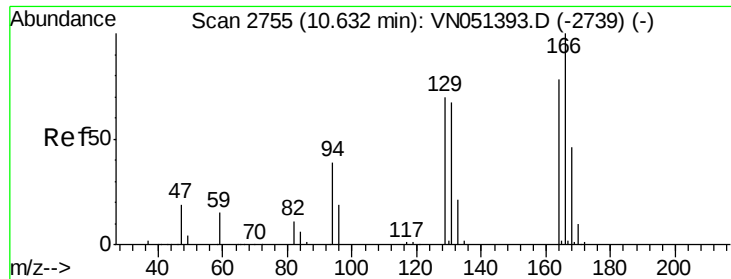


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

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

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





#64

Tetrachloroethene

Concen: 0.362 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

Tot Ion:164 Resp: 2902

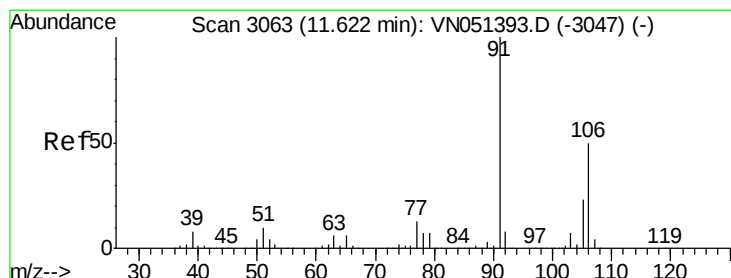
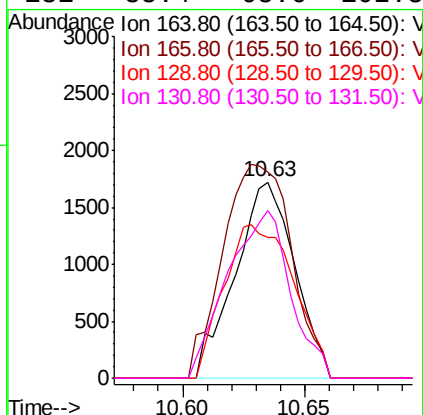
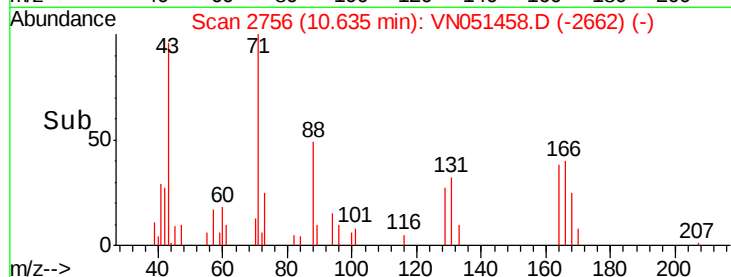
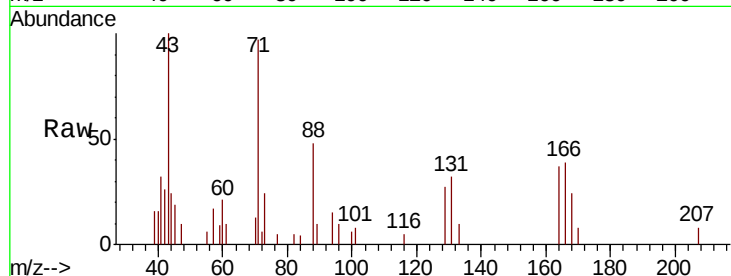
Ion Ratio Lower Upper

164 100

166 105.0 102.3 153.5

129 72.0 71.8 107.8

131 85.4 68.6 102.8



#68

m/p-Xylenes

Concen: 0.217 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN051458.D

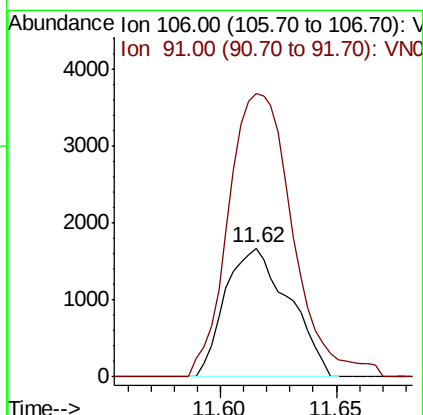
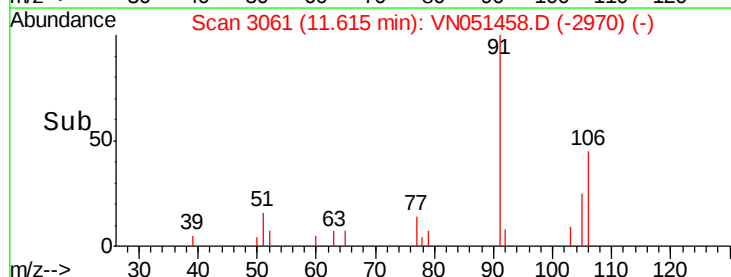
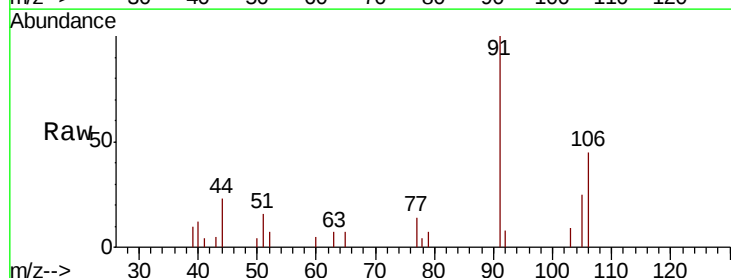
Acq: 24 Sep 2018 13:55

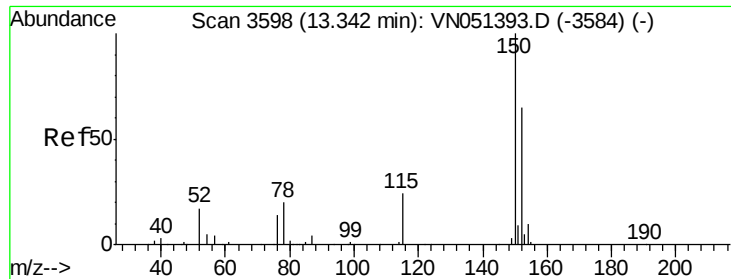
Tgt Ion:106 Resp: 3215

Ion Ratio Lower Upper

106 100

91 221.5 161.3 241.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

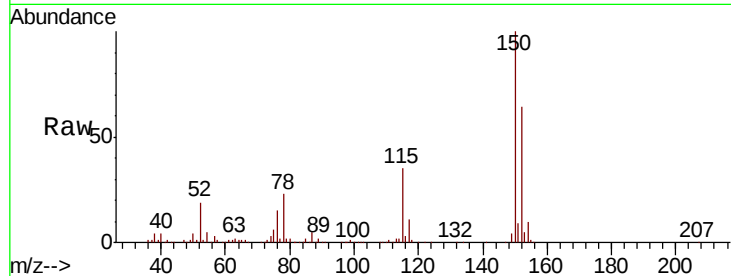
Tot Ion:152 Resp: 326259

Ion Ratio Lower Upper

152 100

115 56.1 28.3 84.9

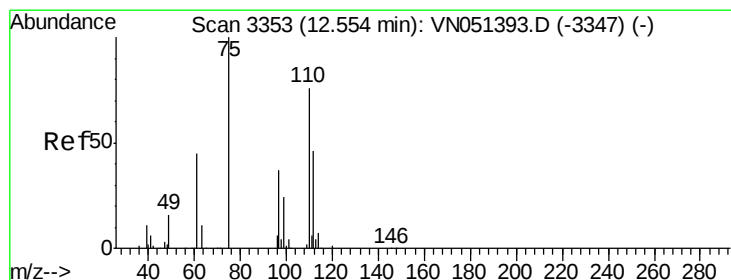
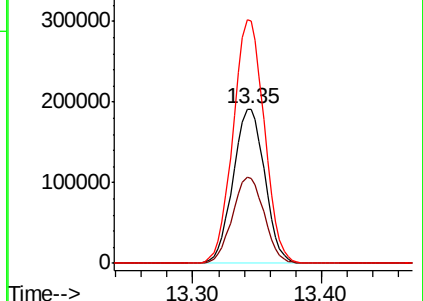
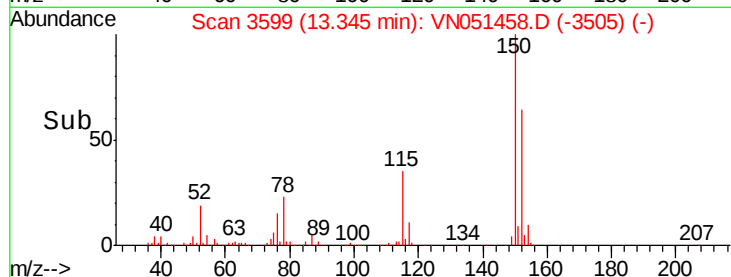
150 156.0 0.0 353.6



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: 36.074 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051458.D

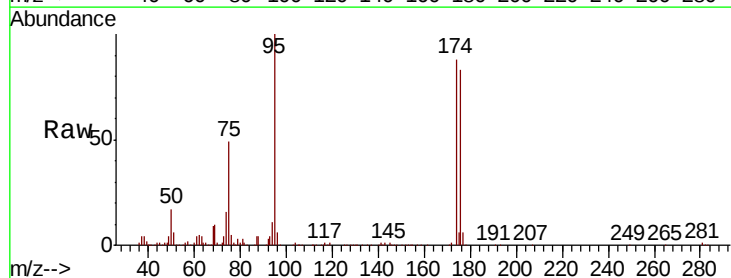
Acq: 24 Sep 2018 13:55

Tgt Ion: 75 Resp: 195381

Ion Ratio Lower Upper

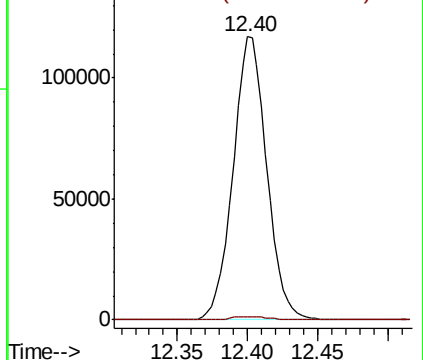
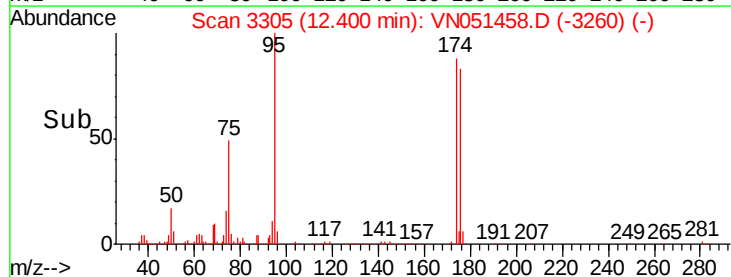
75 100

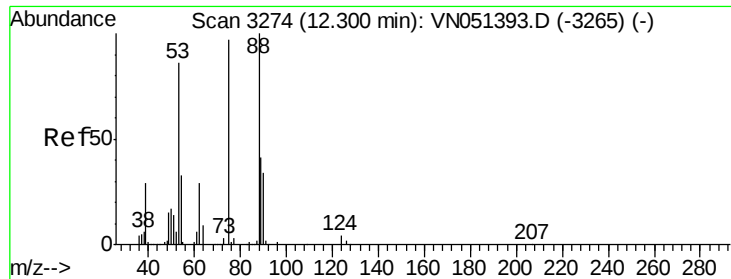
77 1.4 0.0 0.0#



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: 110.925 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

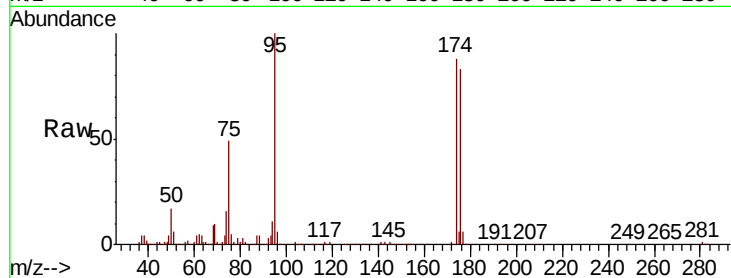
Tot Ion: 75 Resp: 195381

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

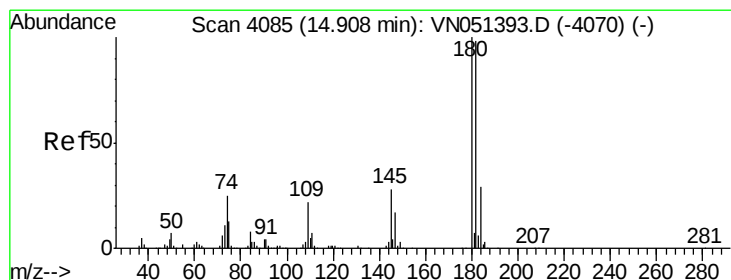
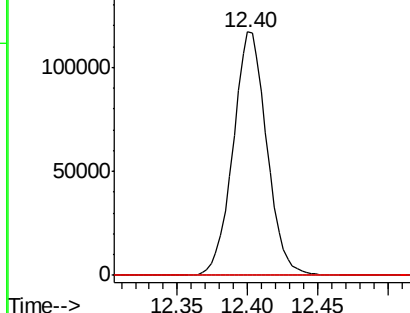
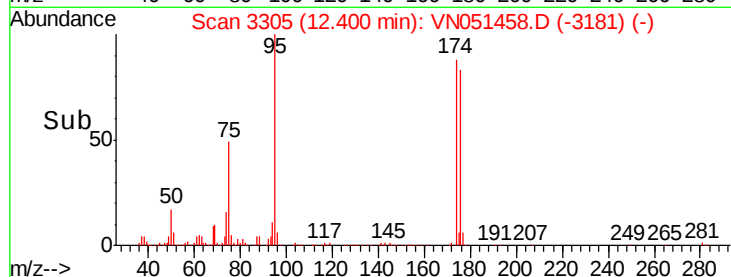
89 0.0 36.7 55.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 5.997 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

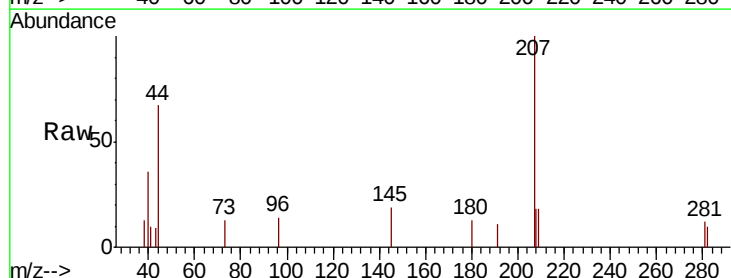
Tgt Ion: 180 Resp: 108

Ion Ratio Lower Upper

180 100

182 26.9 48.5 145.6#

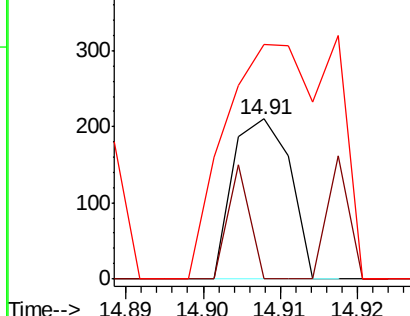
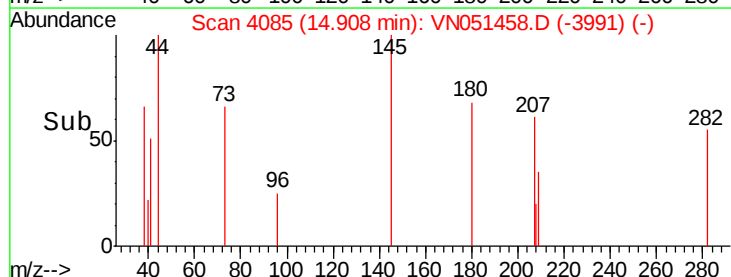
145 0.0 14.1 42.4#

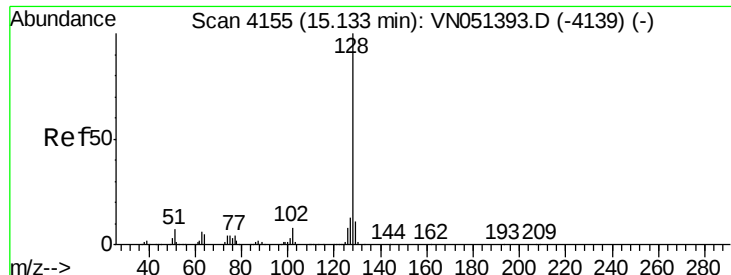


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 13.780 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051458.D

Acq: 24 Sep 2018 13:55

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-E

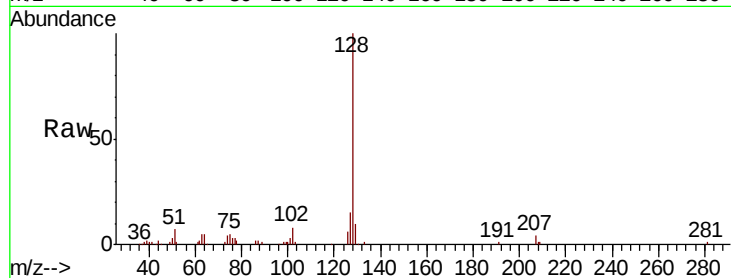
Tot Ion:128 Resp: 82918

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

129 10.1 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

