

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051438.D
 Acq On : 24 Sep 2018 2:14
 Operator : MD\SY
 Sample : PB113124ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#09

Quant Time: Sep 24 06:51:20 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	592317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	421791	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
35) Dibromofluoromethane	7.59	113	369442	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	10.09	98	1319507	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
62) 4-Bromofluorobenzene	12.40	95	356464	37.96	ug/l	0.00
Spiked Amount			Recovery	=	75.92%	

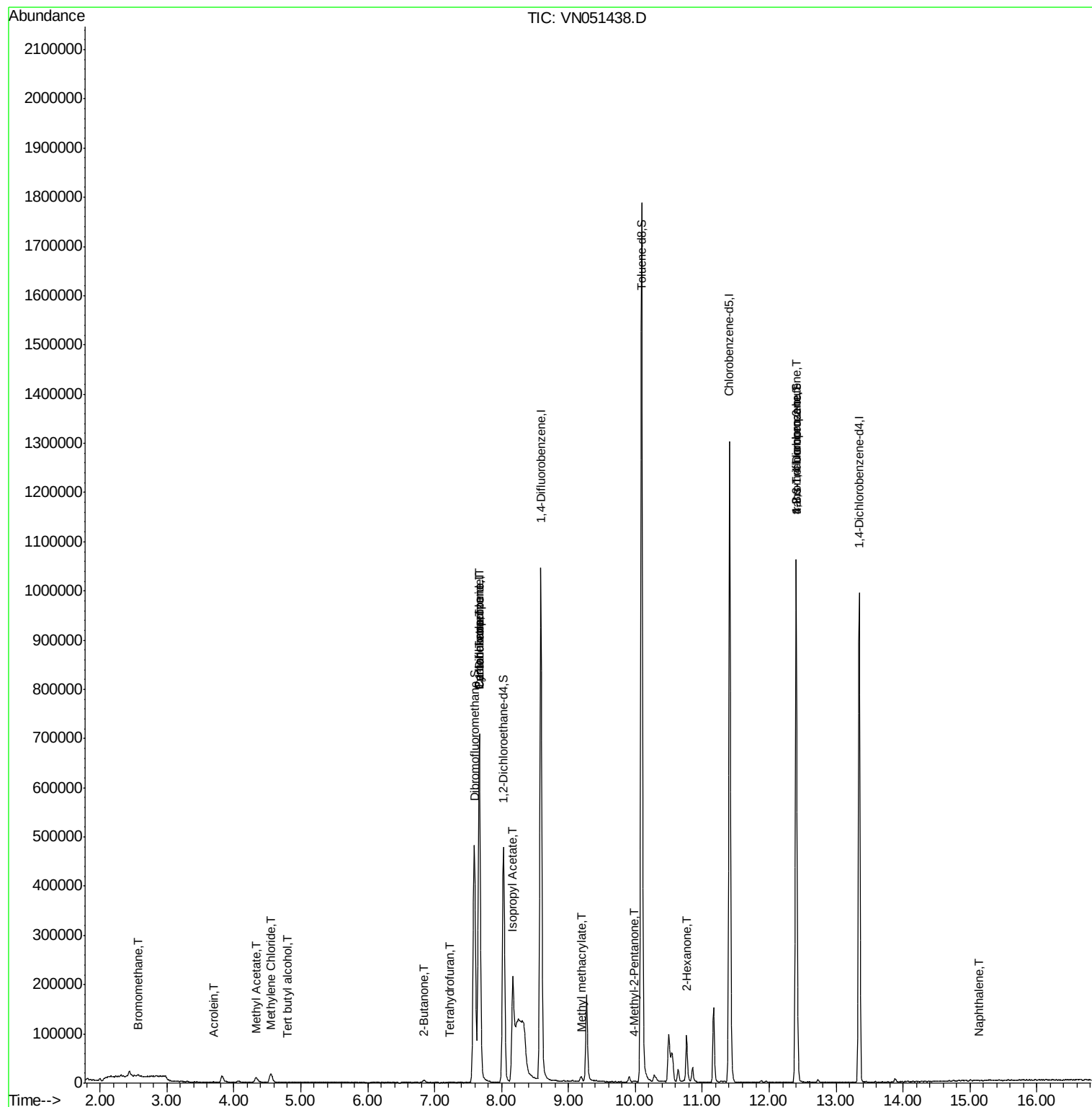
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1616	0.337	ug/l	82
11) Tert butyl alcohol	4.80	59	309	0.738	ug/l #	78
13) Acrolein	3.70	56	120	0.289	ug/l #	13
16) Acetone	3.82	43	21071	Below Cal		94
18) Methyl Acetate	4.33	43	19456	3.443	ug/l #	68
20) Methylene Chloride	4.55	84	12808	1.744	ug/l	89
25) 2-Butanone	6.85	43	2872	1.131	ug/l	98
29) Tetrahydrofuran	7.22	42	1477	0.918	ug/l #	50
31) Cyclohexane	7.66	56	10669	0.913	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40955	3.669	ug/l #	49
38) Carbon Tetrachloride	7.67	117	56166	4.810	ug/l #	15
43) Isopropyl Acetate	8.17	43	291081	25.080	ug/l #	89
48) Methyl methacrylate	9.18	41	6383	1.103	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	1560	0.244	ug/l #	85
59) 2-Hexanone	10.76	43	13545	3.274	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	174105	37.063	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174105	113.966	ug/l #	12
95) Naphthalene	15.14	128	256	8.065	ug/l #	69

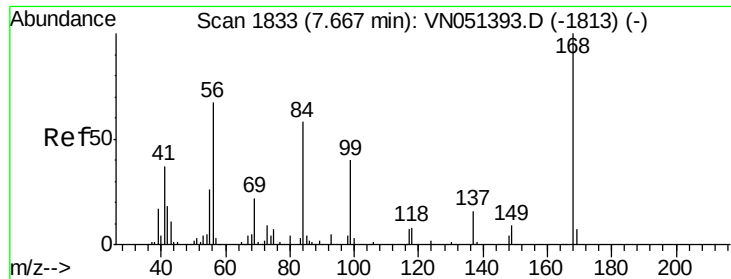
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

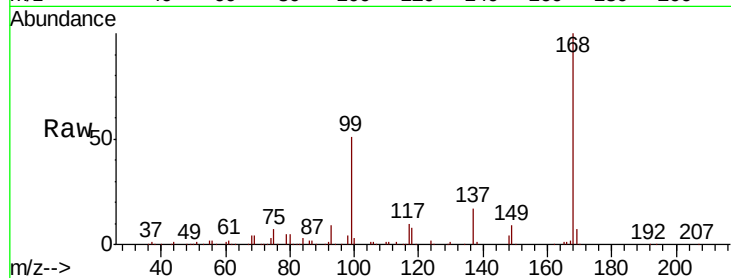
PB113124ZHE#09

Tgt Ion:168 Resp: 592317

Ion Ratio Lower Upper

168 100

99 50.6 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

250000

200000

150000

100000

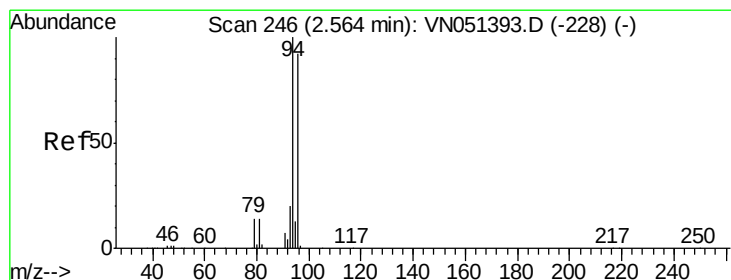
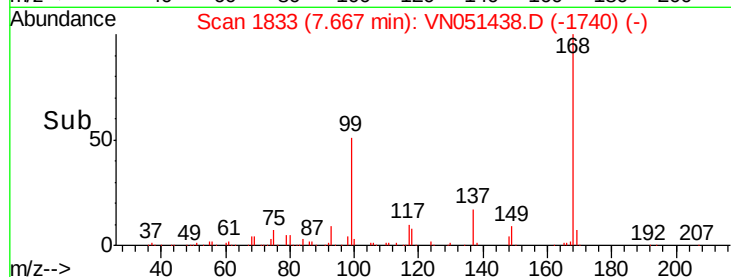
50000

0

Time-->

7.60

7.70



#5

Bromomethane

Concen: 0.337 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051438.D

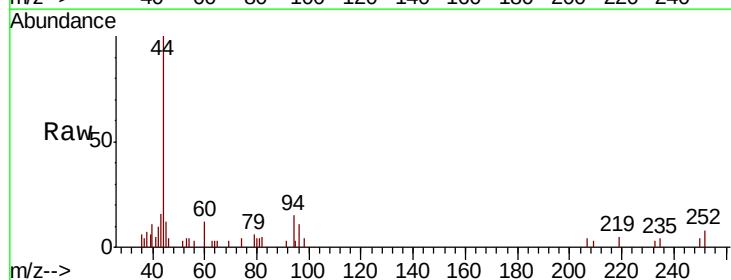
Acq: 24 Sep 2018 2:14

Tgt Ion: 94 Resp: 1616

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

2.56

800

600

400

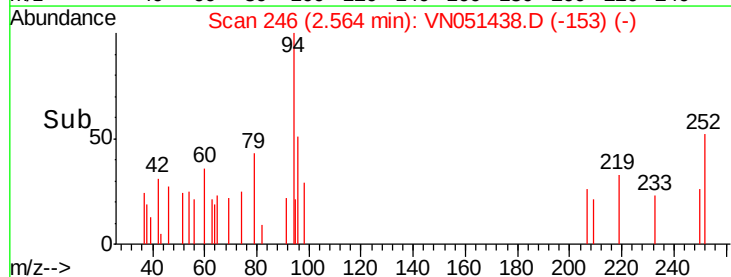
200

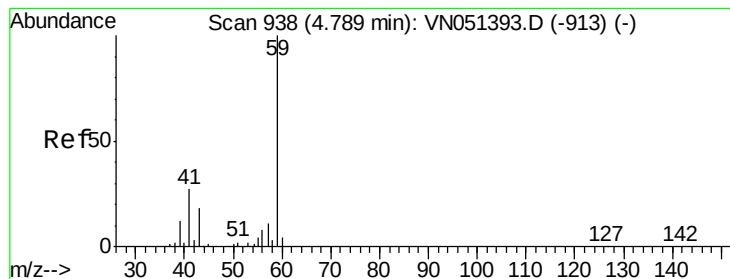
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Time-->

2.55

2.60



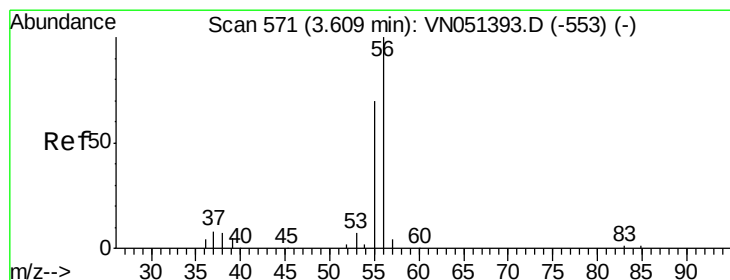
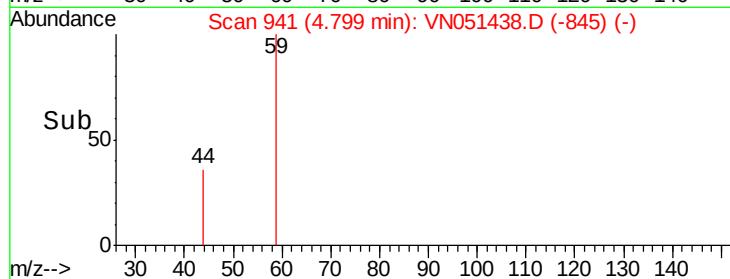
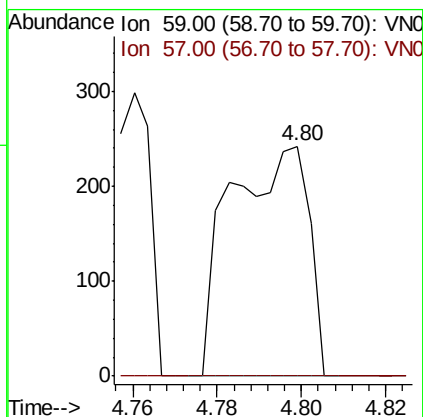
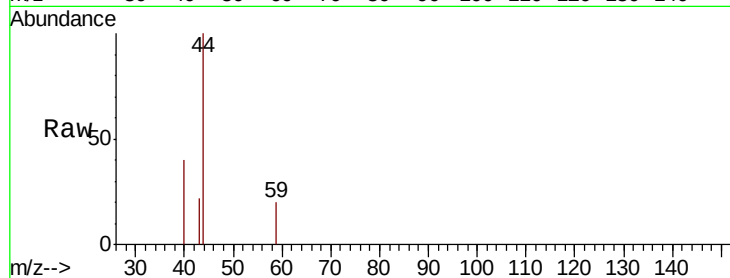


#11

Tert butyl alcohol
 Concen: 0.738 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#09

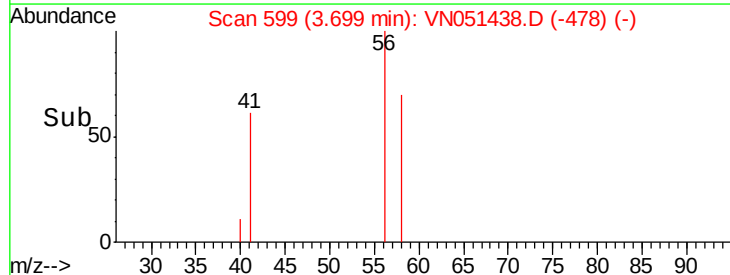
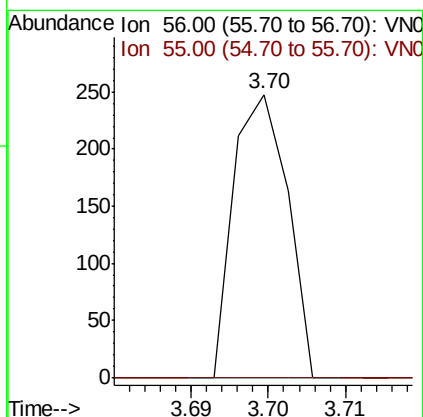
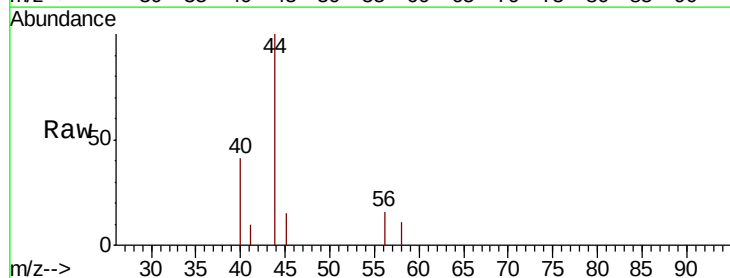
Tgt Ion: 59 Resp: 309
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.2#

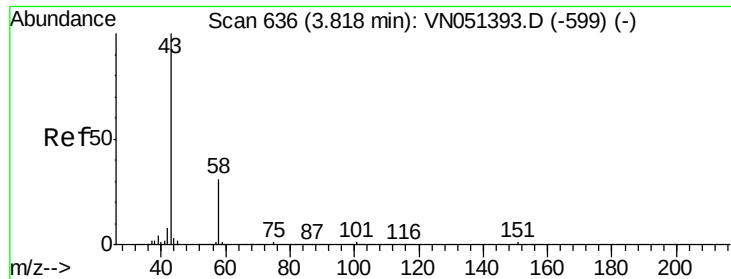


#13

Acrolein
 Concen: 0.289 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.09 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

Tgt Ion: 56 Resp: 120
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.8#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

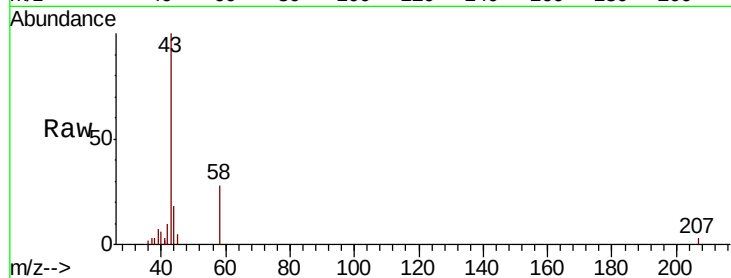
PB113124ZHE#09

Tgt Ion: 43 Resp: 21071

Ion Ratio Lower Upper

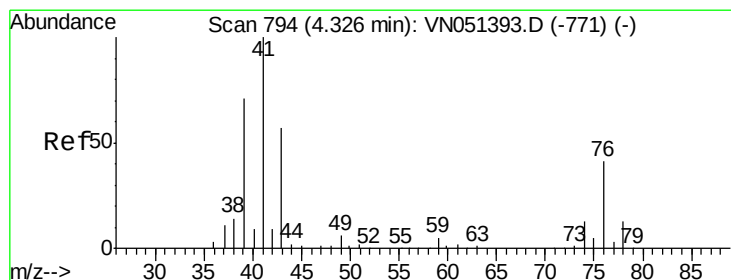
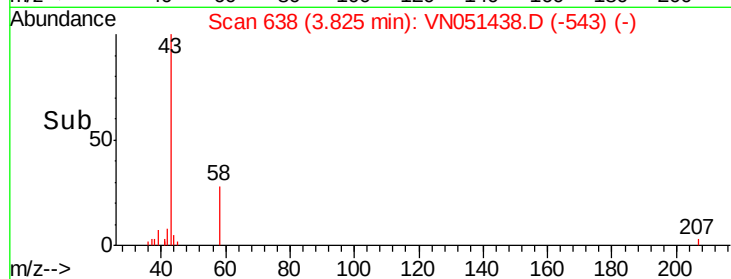
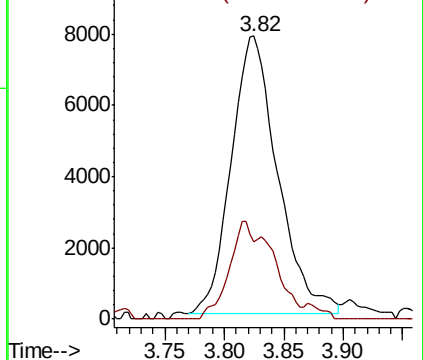
43 100

58 28.1 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.443 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051438.D

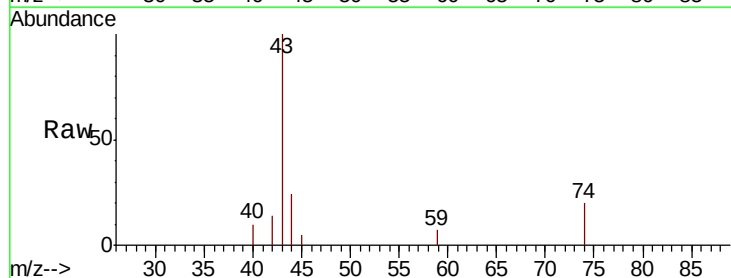
Acq: 24 Sep 2018 2:14

Tgt Ion: 43 Resp: 19456

Ion Ratio Lower Upper

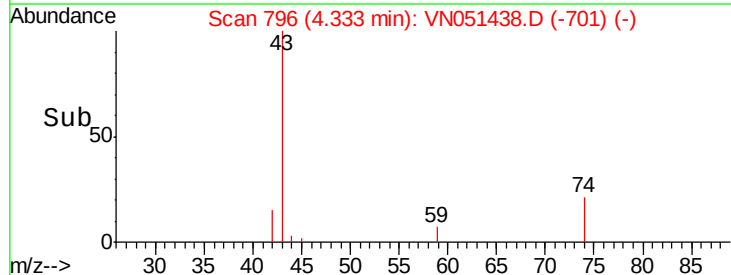
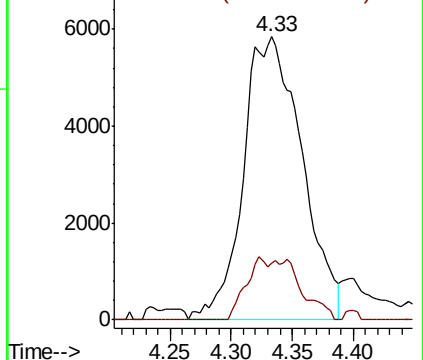
43 100

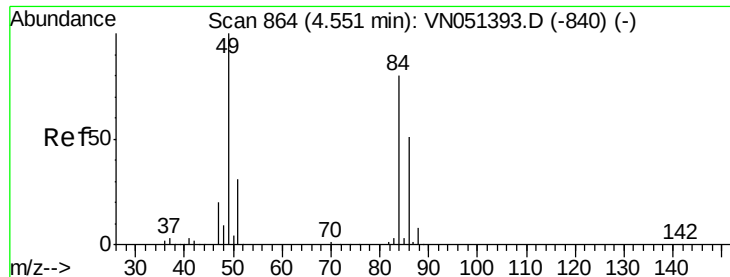
74 8.1 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

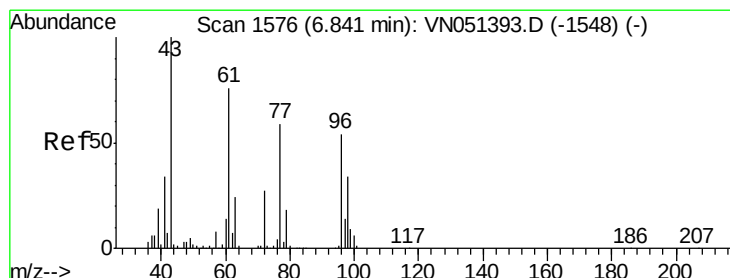
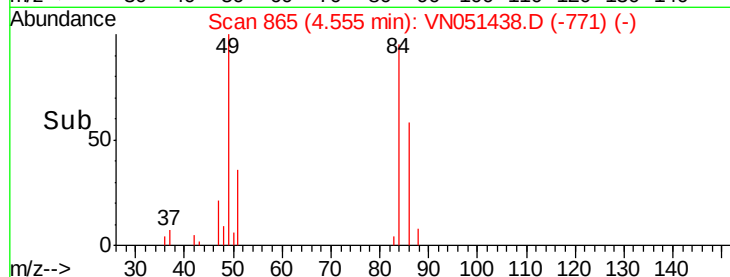
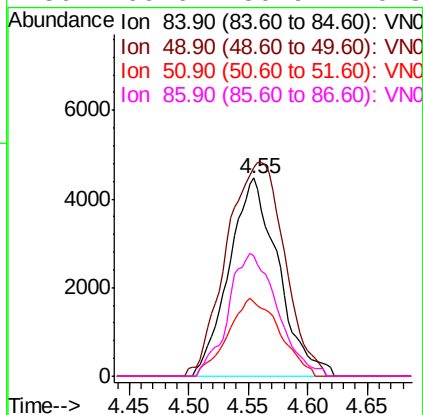
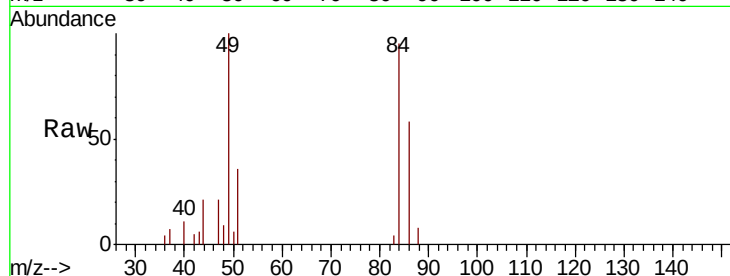




#20
Methylene Chloride
Concen: 1.744 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051438.D
Acq: 24 Sep 2018 2:14

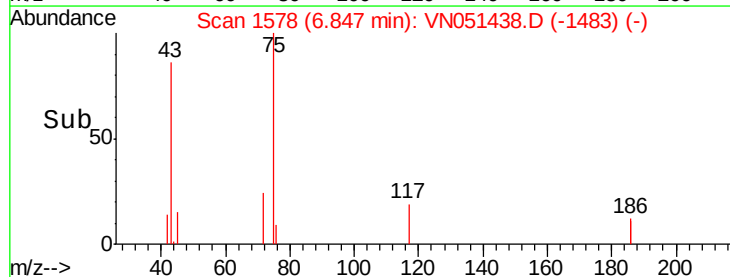
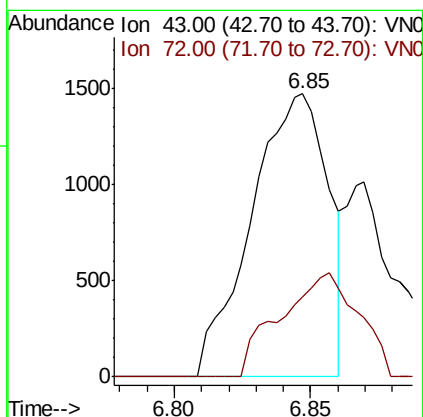
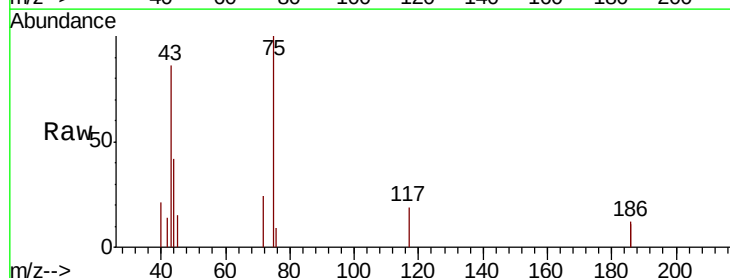
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#09

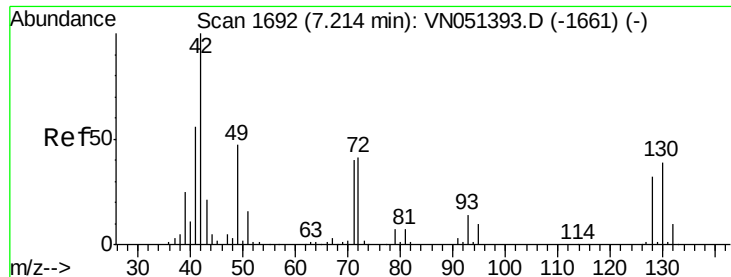
Tgt Ion: 84 Resp: 12808
Ion Ratio Lower Upper
84 100
49 104.9 99.9 149.9
51 37.6 31.4 47.2
86 60.6 50.9 76.3



#25
2-Butanone
Concen: 1.131 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051438.D
Acq: 24 Sep 2018 2:14

Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
72 28.2 21.8 32.6





#29

Tetrahydrofuran

Concen: 0.918 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#09

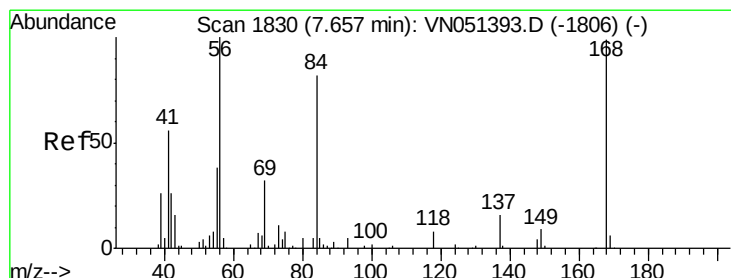
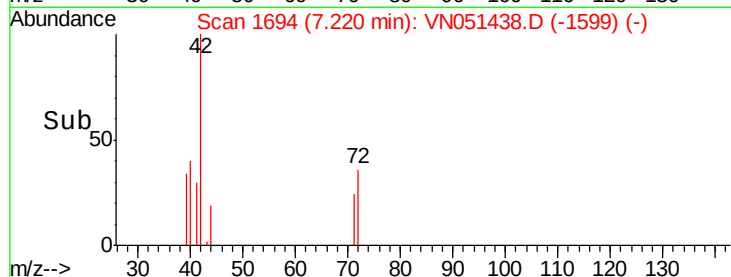
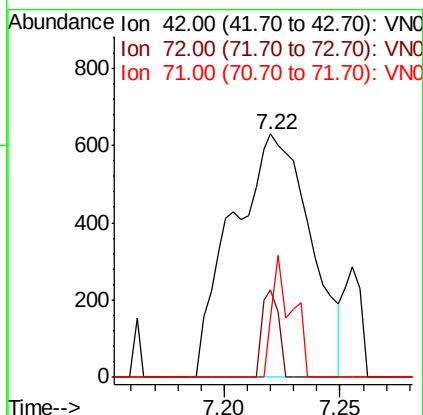
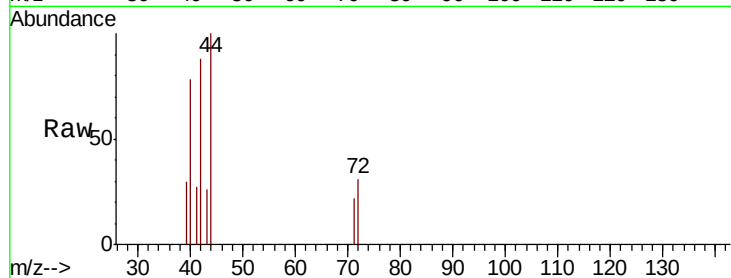
Tgt Ion: 42 Resp: 1477

Ion Ratio Lower Upper

42 100

72 7.8 34.3 51.5#

71 13.0 32.2 48.4#



#31

Cyclohexane

Concen: 0.913 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

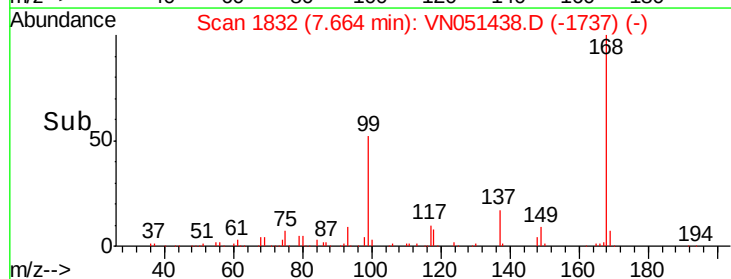
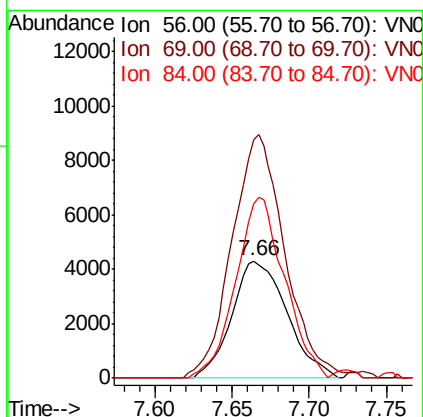
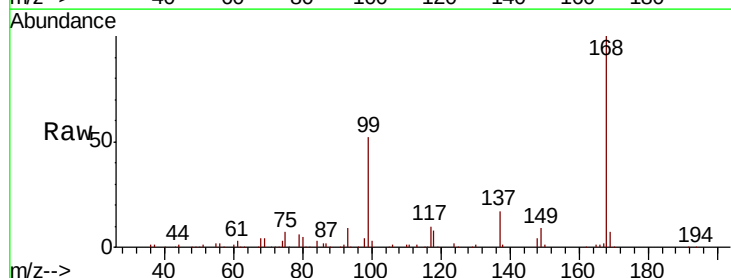
Tgt Ion: 56 Resp: 10669

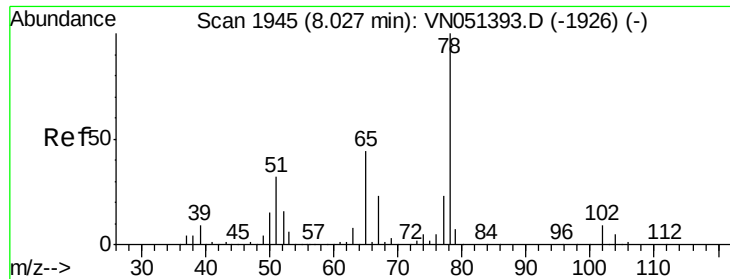
Ion Ratio Lower Upper

56 100

69 199.9 25.8 38.6#

84 148.7 66.0 99.0#

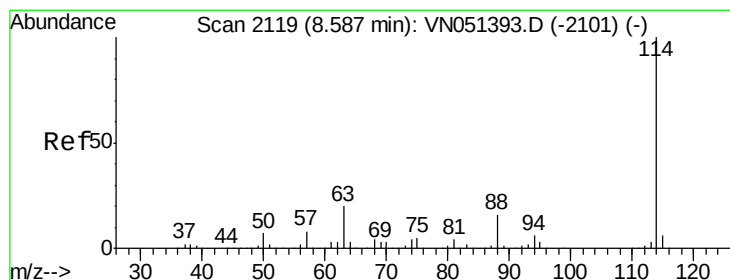
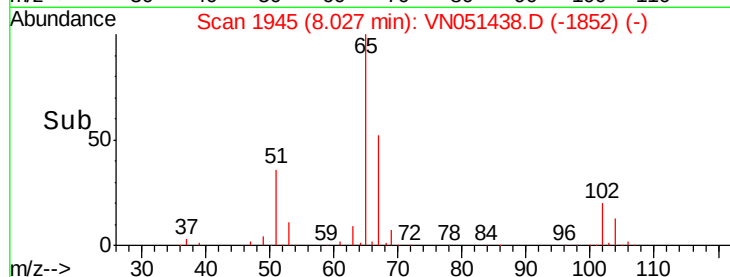
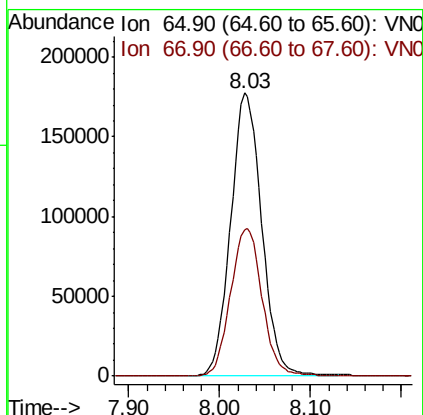
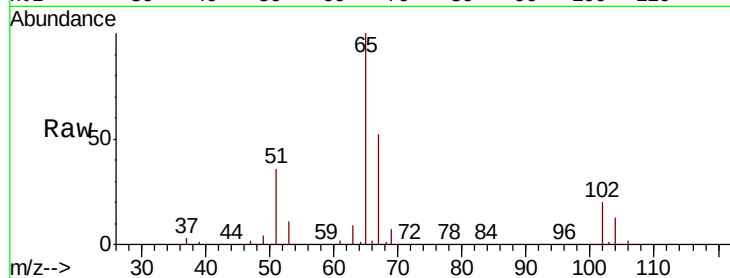




#33
 1,2-Dichloroethane-d4
 Concen: 56.846 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

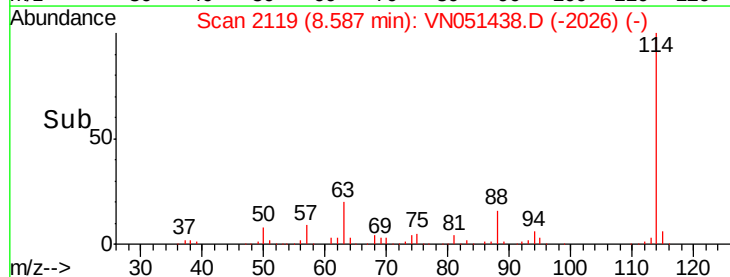
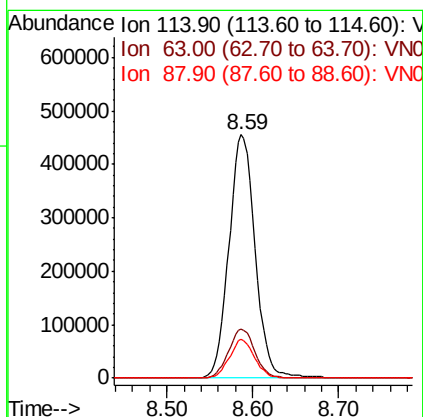
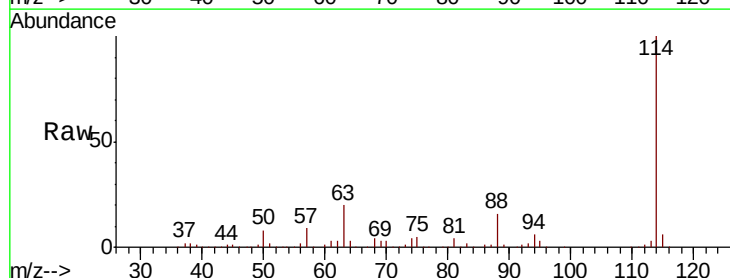
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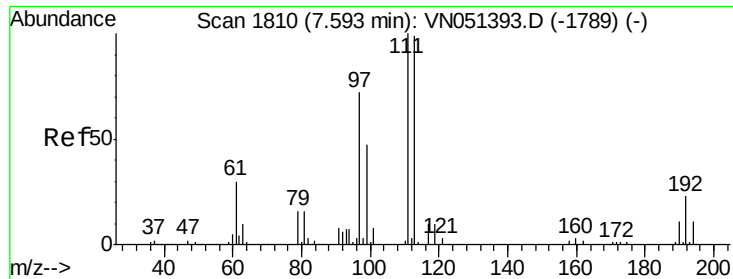
Tgt Ion: 65 Resp: 421791
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

Tgt Ion: 114 Resp: 963969
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.9 0.0 31.4

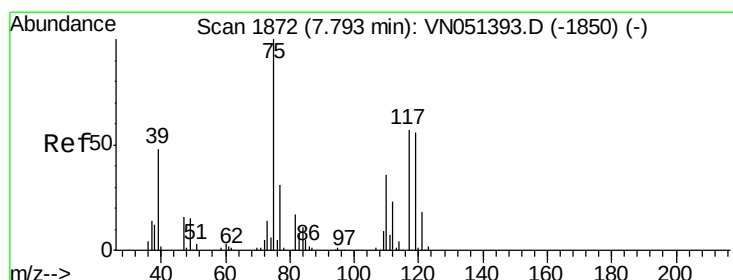
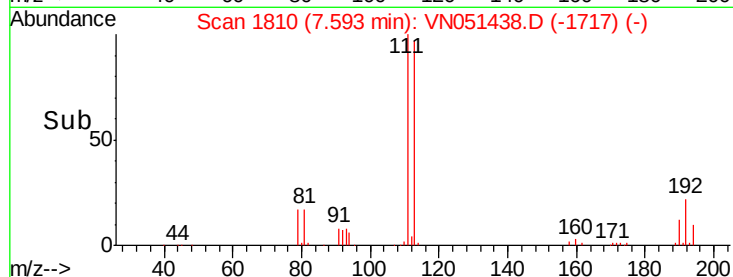
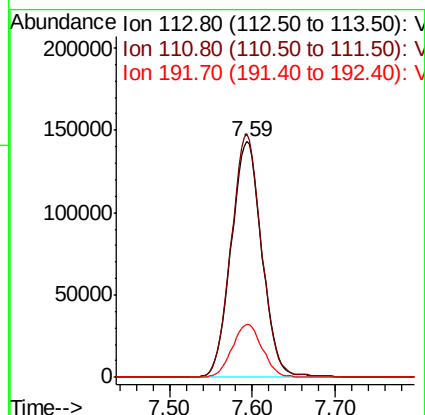
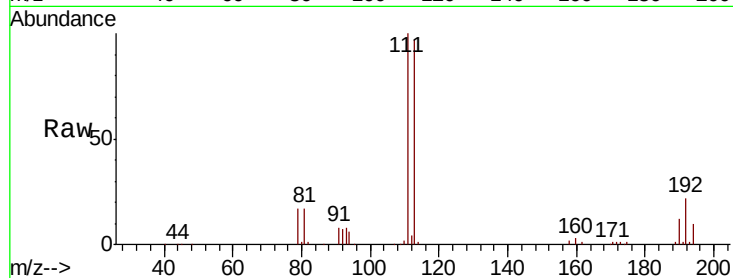




#35
 Dibromofluoromethane
 Concen: 47.927 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

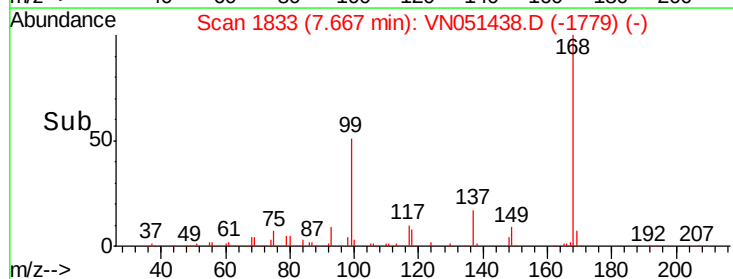
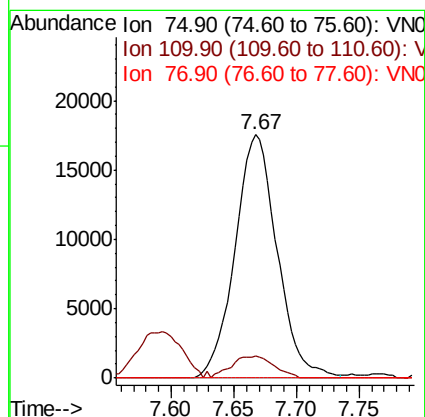
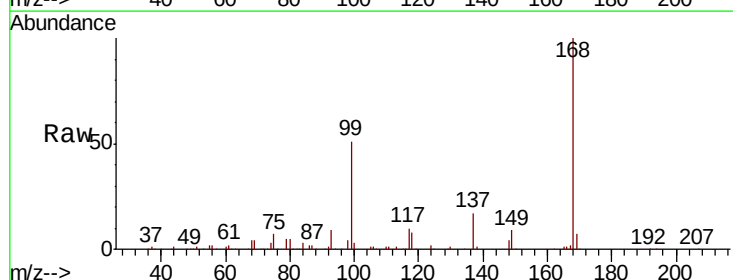
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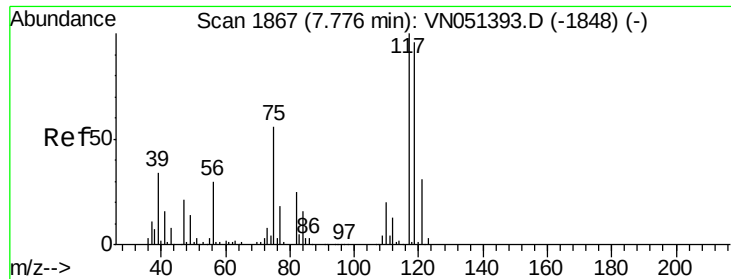
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	22.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.669 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.810 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#09

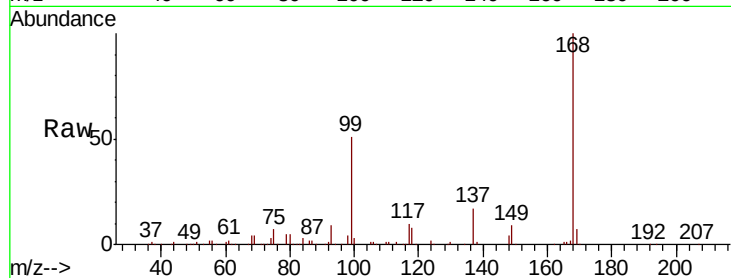
Tgt Ion:117 Resp: 56166

Ion Ratio Lower Upper

117 100

119 4.3 76.9 115.3#

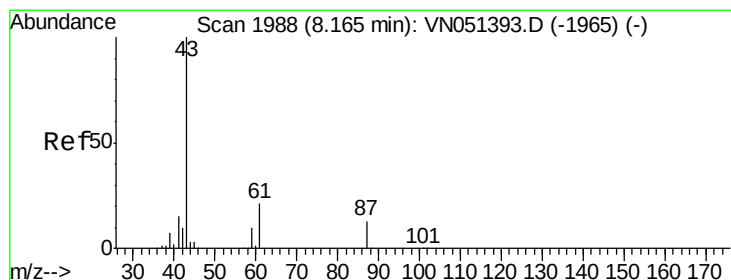
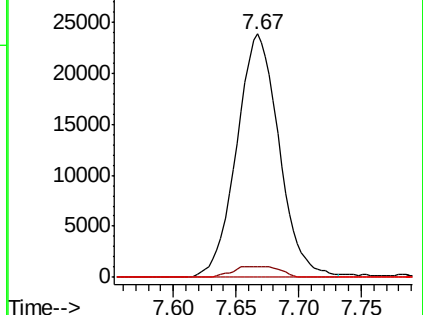
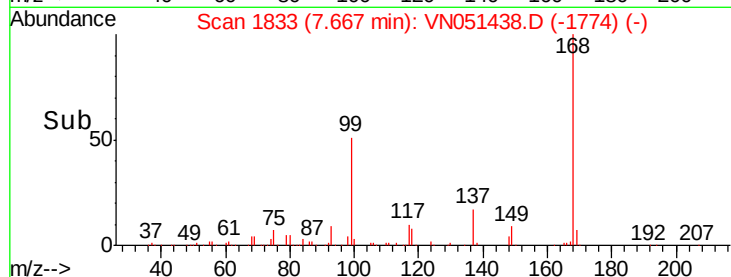
121 0.0 24.6 37.0#



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: 25.080 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

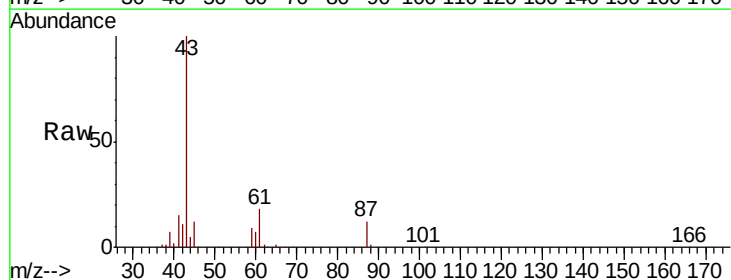
Tgt Ion: 43 Resp: 291081

Ion Ratio Lower Upper

43 100

61 15.2 16.8 25.2#

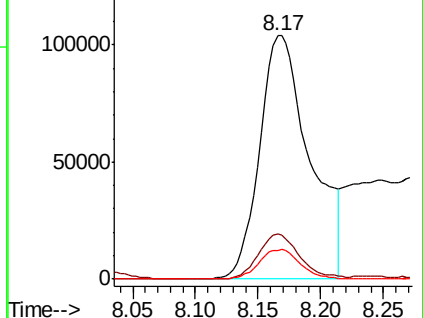
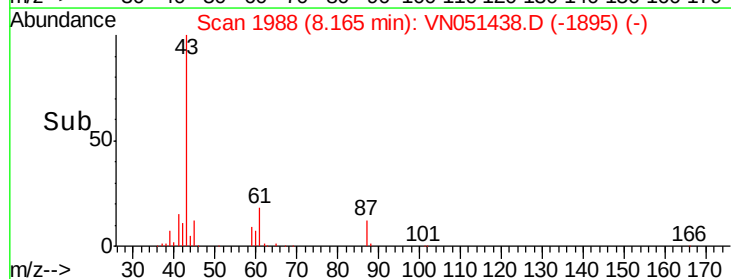
87 9.9 10.7 16.1#

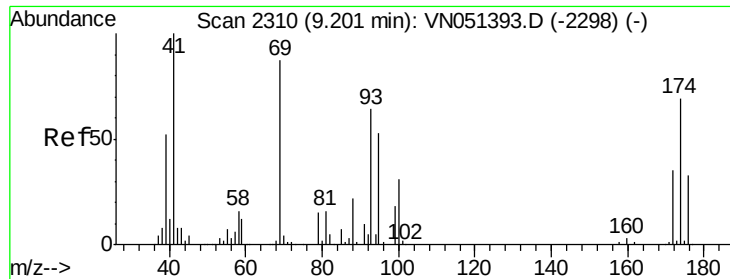


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

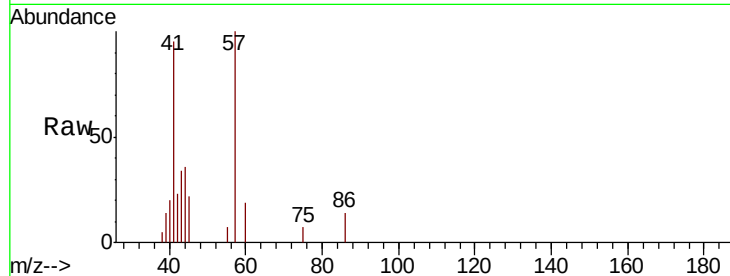




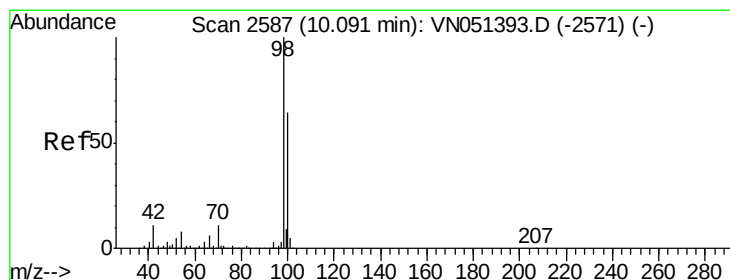
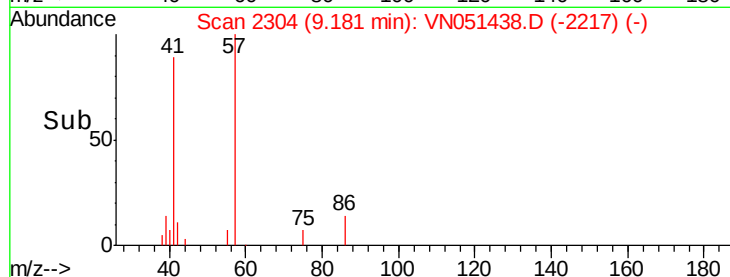
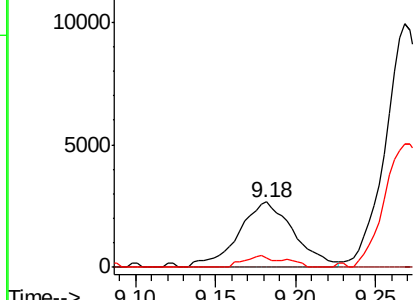
#48
Methyl methacrylate
Concen: 1.103 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051438.D
Acq: 24 Sep 2018 2:14

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#09

Tgt Ion: 41 Resp: 6383
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 9.0 43.8 65.8#

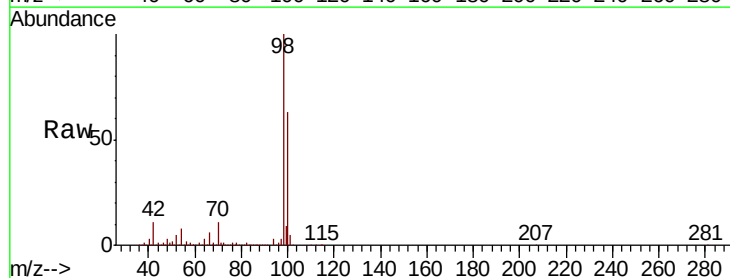


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

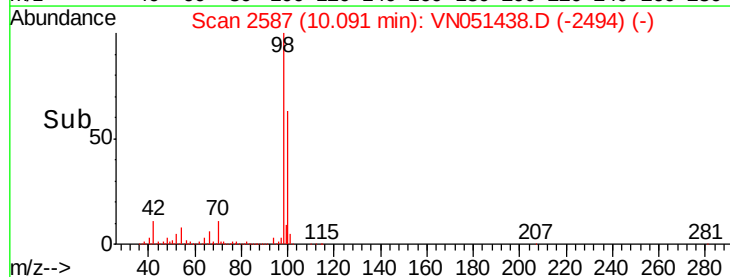
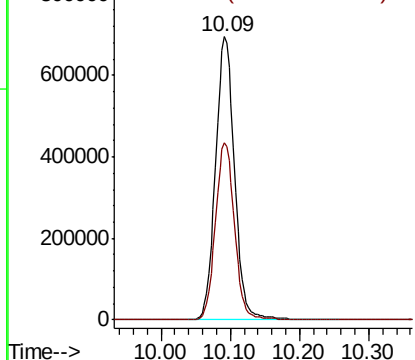


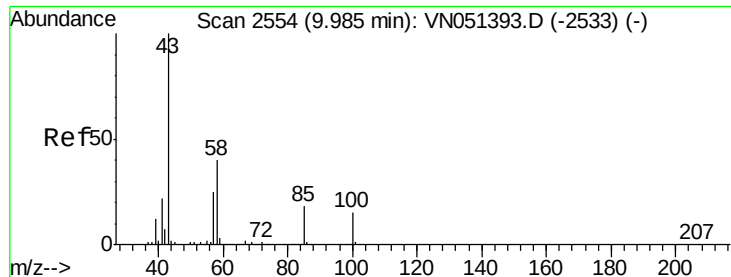
#50
Toluene-d8
Concen: 45.458 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051438.D
Acq: 24 Sep 2018 2:14

Tgt Ion: 98 Resp: 1319507
Ion Ratio Lower Upper
98 100
100 62.9 50.6 75.8



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

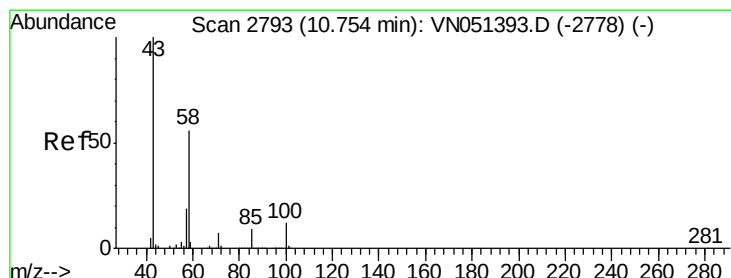
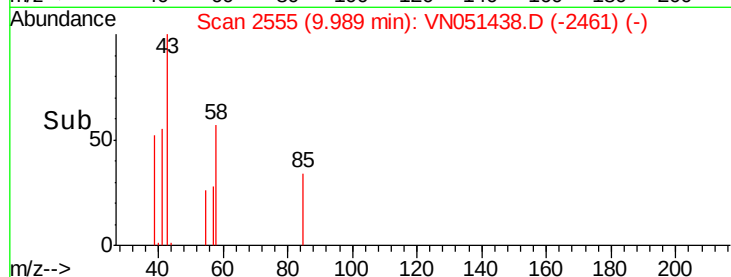
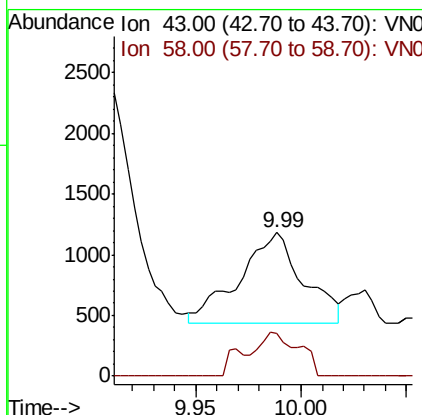
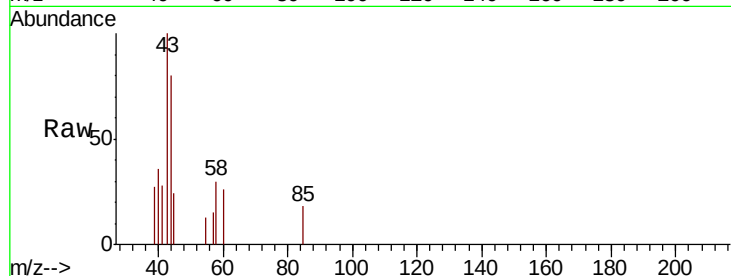




#51
 4-Methyl-2-Pentanone
 Concen: 0.244 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

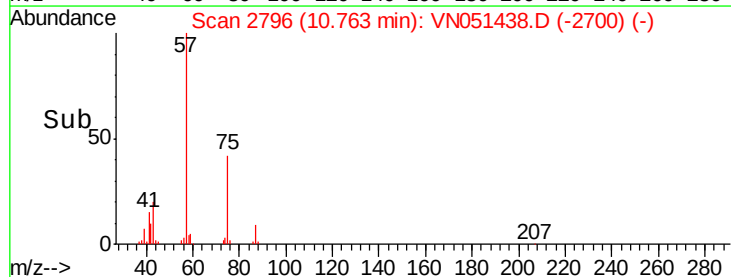
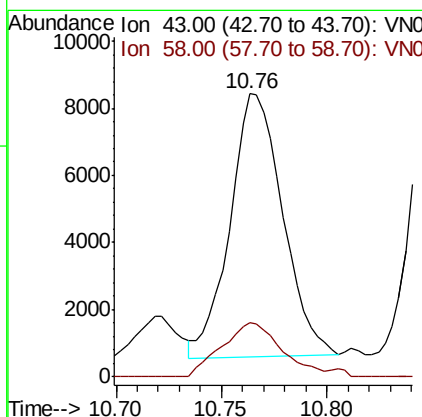
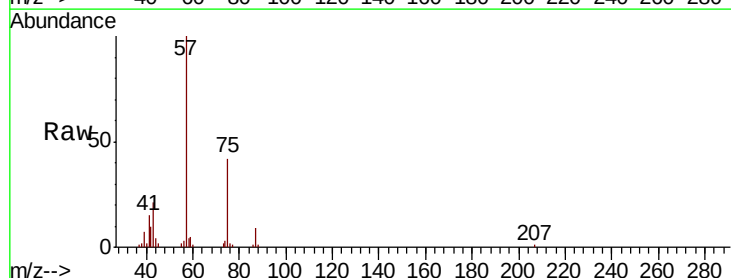
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#09

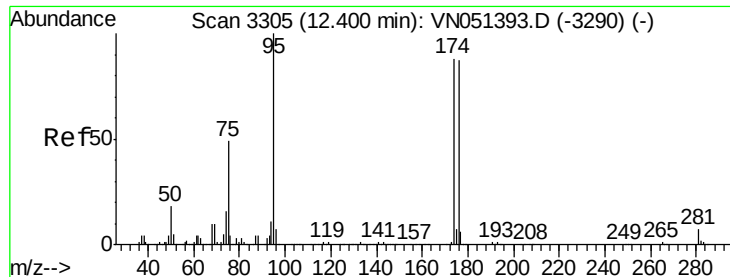
Tgt Ion: 43 Resp: 1560
 Ion Ratio Lower Upper
 43 100
 58 30.1 31.5 47.3#



#59
 2-Hexanone
 Concen: 3.274 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN051438.D
 Acq: 24 Sep 2018 2:14

Tgt Ion: 43 Resp: 13545
 Ion Ratio Lower Upper
 43 100
 58 23.4 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 37.961 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#09

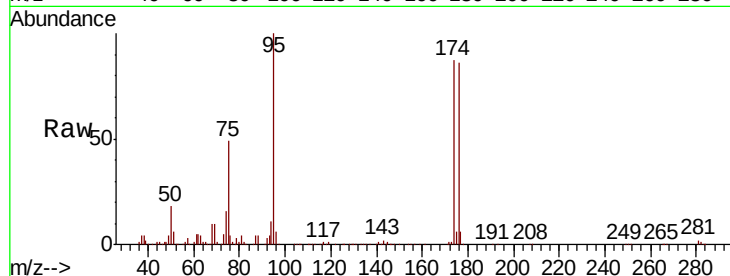
Tgt Ion: 95 Resp: 356464

Ion Ratio Lower Upper

95 100

174 89.8 0.0 181.6

176 88.4 0.0 176.4

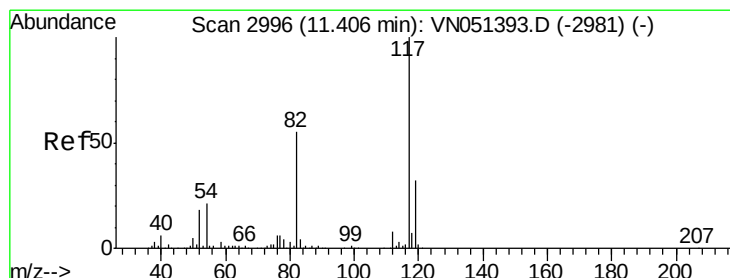
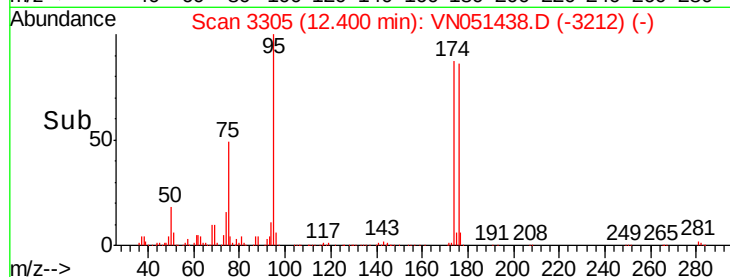
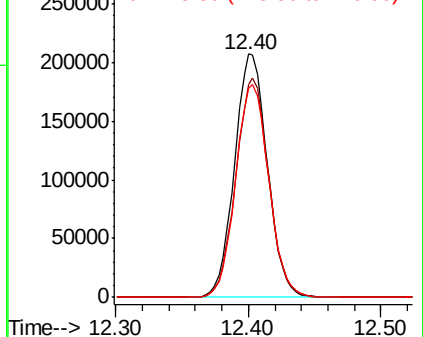


Abundance

Ion 94.90 (94.60 to 95.60): VN051438.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051438.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051438.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

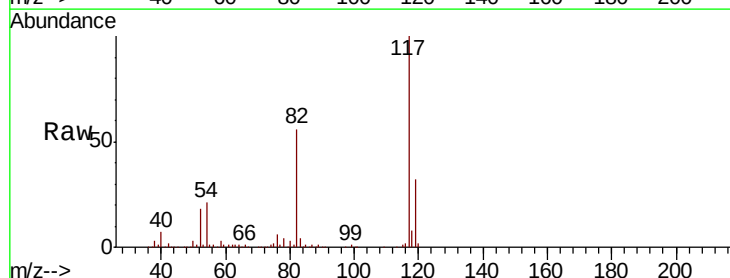
Tgt Ion: 117 Resp: 798505

Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.2

119 32.2 25.9 38.9

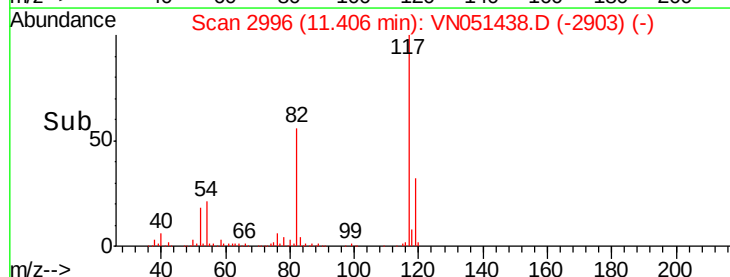
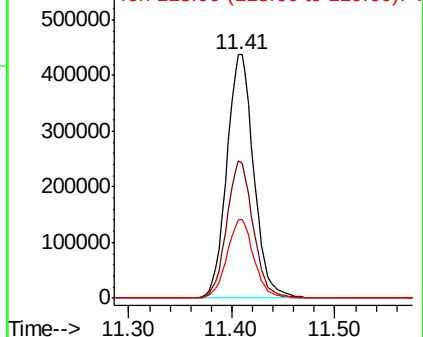


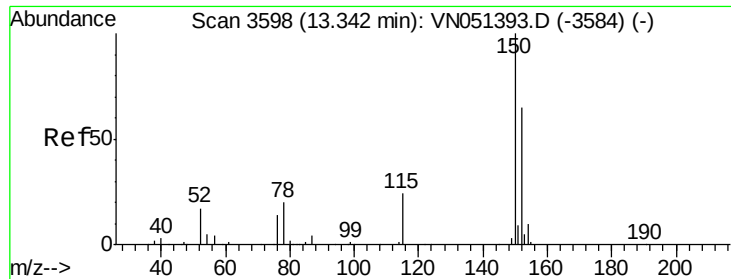
Abundance

Ion 116.90 (116.60 to 117.60): VN051438.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051438.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051438.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#09

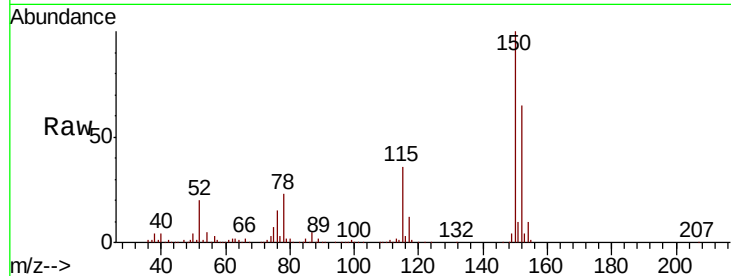
Tgt Ion: 152 Resp: 282975

Ion Ratio Lower Upper

152 100

115 56.6 28.3 84.9

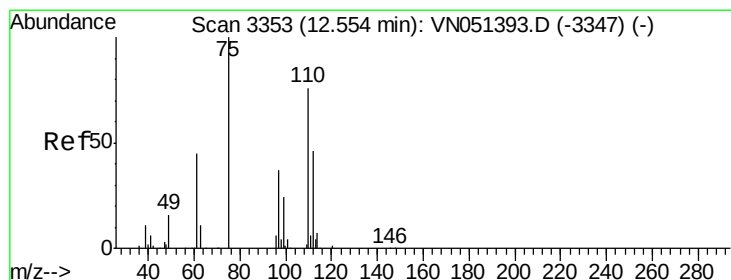
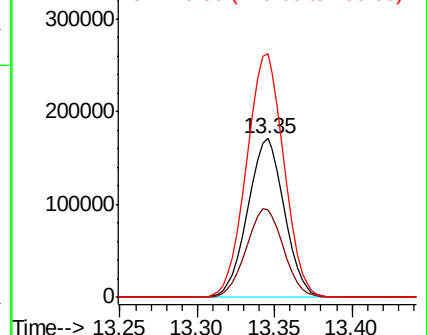
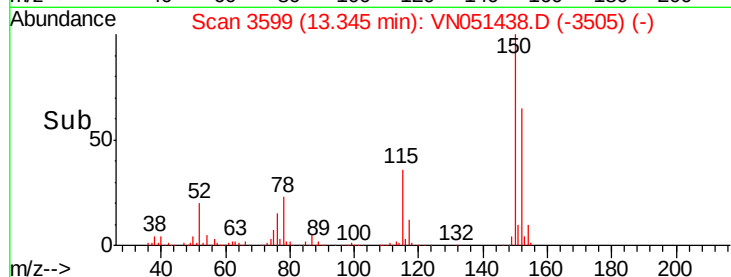
150 156.3 0.0 353.6



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: 37.063 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051438.D

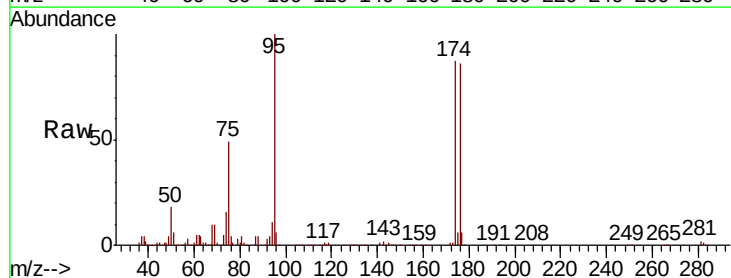
Acq: 24 Sep 2018 2:14

Tgt Ion: 75 Resp: 174105

Ion Ratio Lower Upper

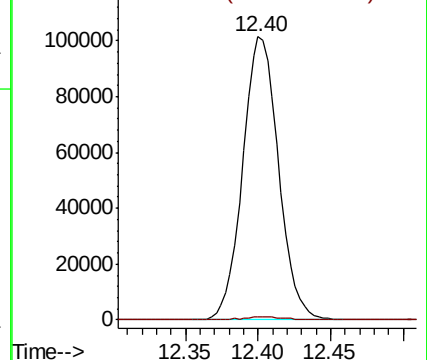
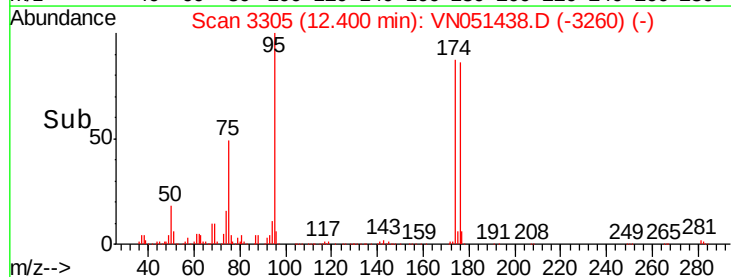
75 100

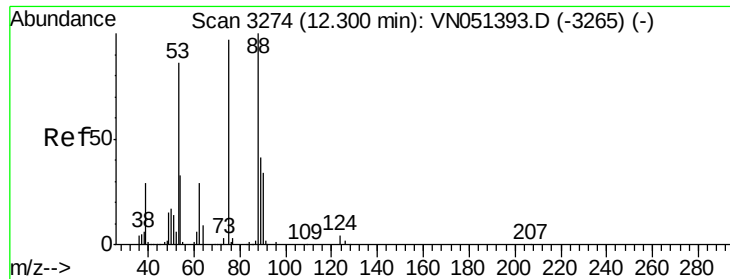
77 1.3 0.0 0.0#



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: 113.966 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#09

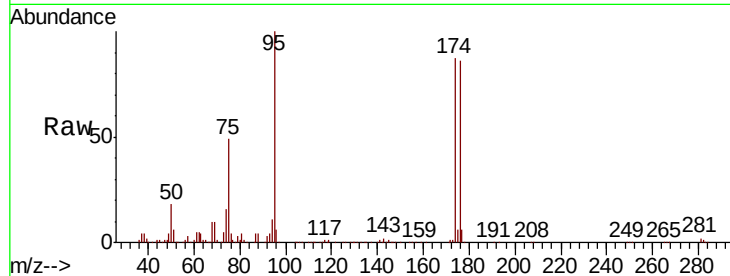
Tgt Ion: 75 Resp: 174105

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

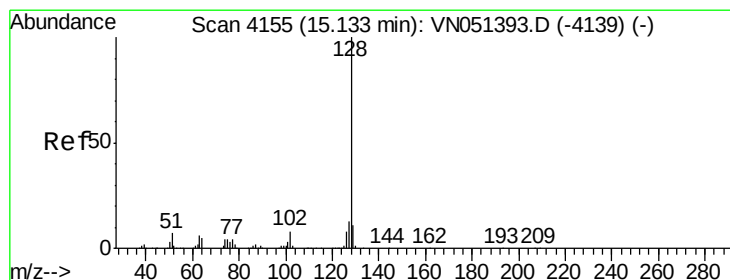
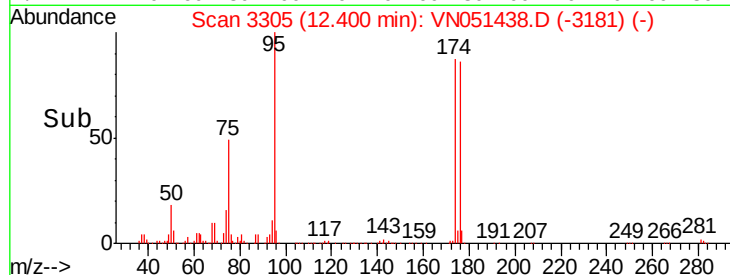
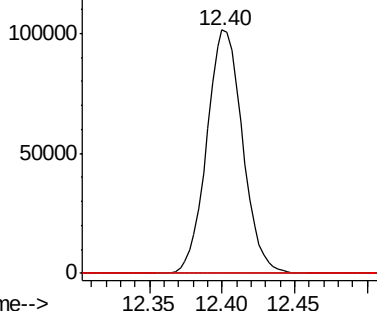
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 8.065 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051438.D

Acq: 24 Sep 2018 2:14

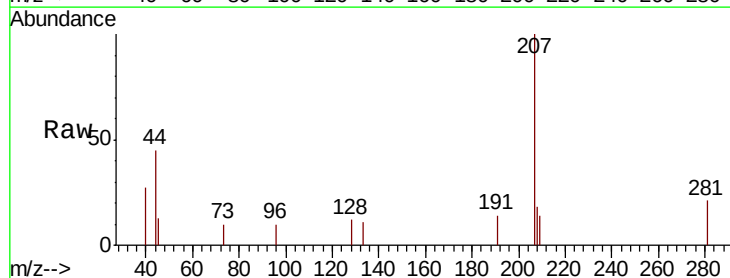
Tgt Ion: 128 Resp: 256

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

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

