

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051433.D
 Acq On : 24 Sep 2018 00:11
 Operator : MD\SY
 Sample : PB113124ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#04

Quant Time: Sep 24 06:50:35 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	639068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1006742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	838915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	314528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	437405	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
35) Dibromofluoromethane	7.59	113	379994	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	10.09	98	1388862	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
62) 4-Bromofluorobenzene	12.40	95	380218	38.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.54%	

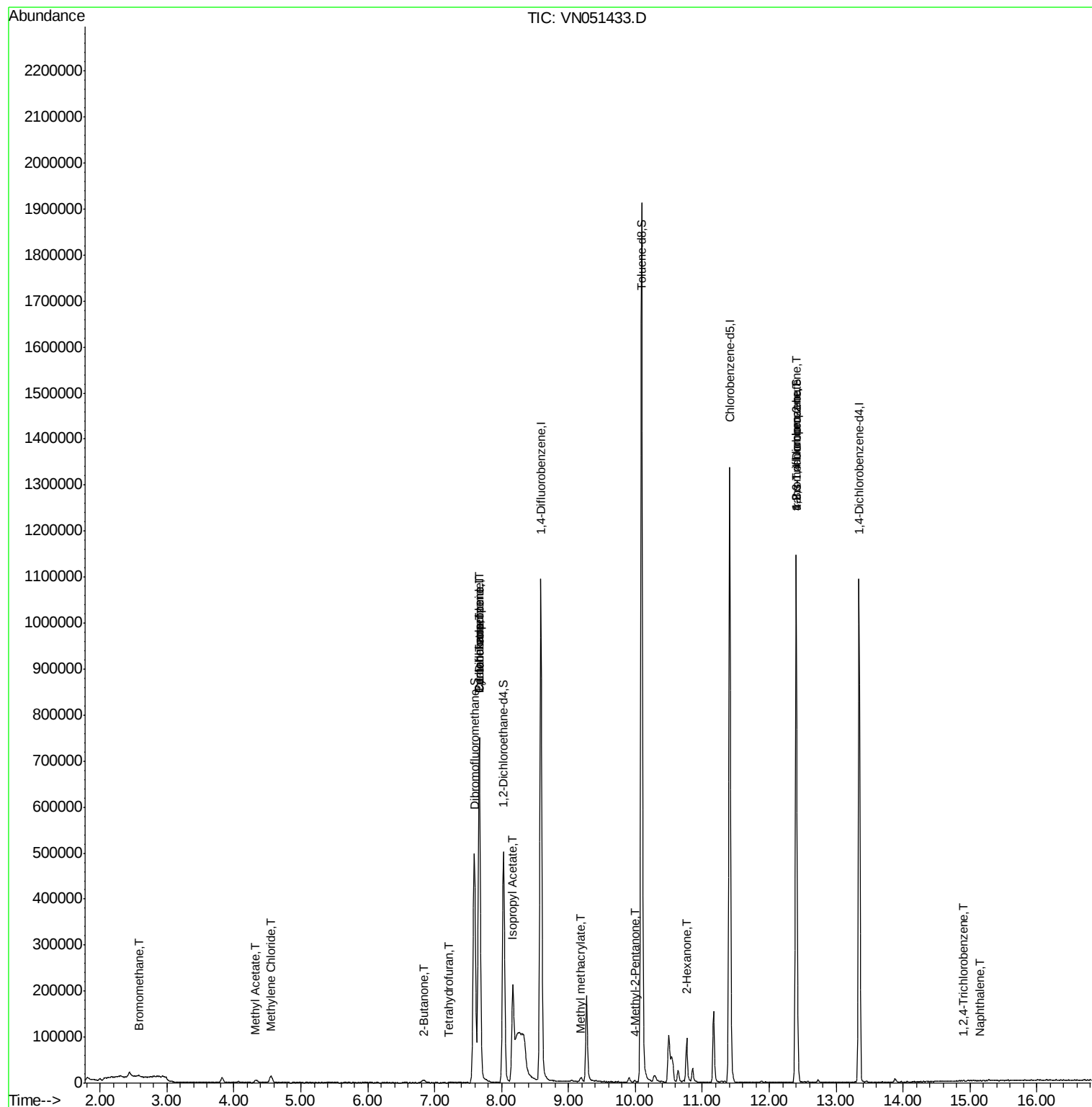
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	1621	0.317	ug/l #	42
16) Acetone	3.82	43	18706	Below Cal		95
18) Methyl Acetate	4.32	43	12046	1.976	ug/l	94
20) Methylene Chloride	4.55	84	11210	1.415	ug/l	86
25) 2-Butanone	6.84	43	2059	0.751	ug/l #	89
29) Tetrahydrofuran	7.22	42	891	0.513	ug/l #	86
31) Cyclohexane	7.67	56	12458	0.988	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44747	3.838	ug/l #	49
38) Carbon Tetrachloride	7.67	117	57099	4.683	ug/l #	17
43) Isopropyl Acetate	8.17	43	284329	23.458	ug/l #	91
48) Methyl methacrylate	9.18	41	6033	0.998	ug/l #	20
51) 4-Methyl-2-Pentanone	9.98	43	2224	0.334	ug/l	99
59) 2-Hexanone	10.77	43	12936	2.993	ug/l	66
76) 1,2,3-Trichloropropane	12.40	75	186519	35.722	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186519	109.844	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	68	5.992	ug/l #	81
95) Naphthalene	15.13	128	315	8.067	ug/l #	69

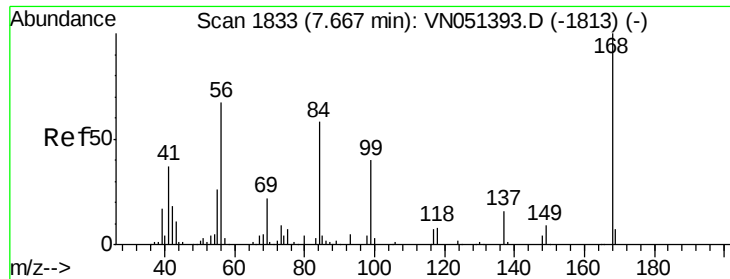
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

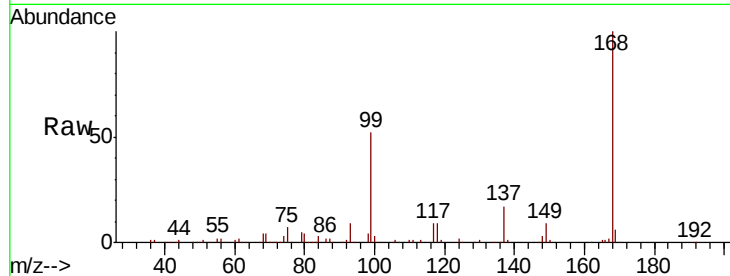
PB113124ZHE#04

Tgt Ion:168 Resp: 639068

Ion Ratio Lower Upper

168 100

99 51.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051433.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051433.D (-1740) (-)

7.67

250000

200000

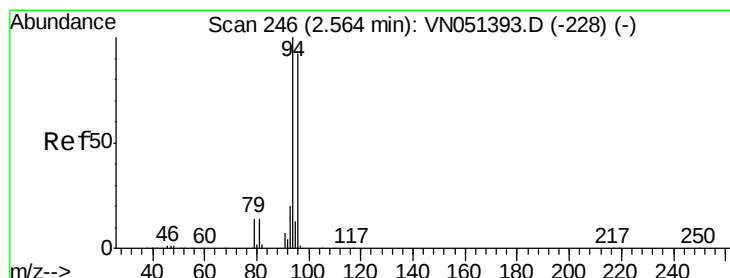
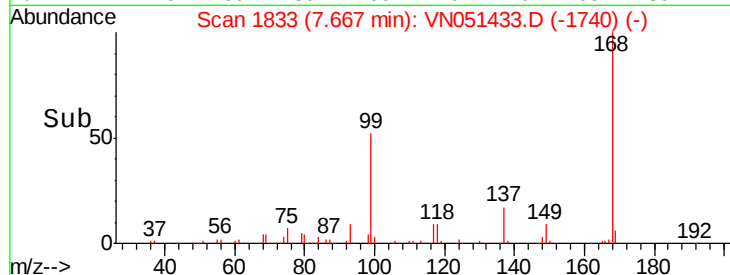
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.317 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051433.D

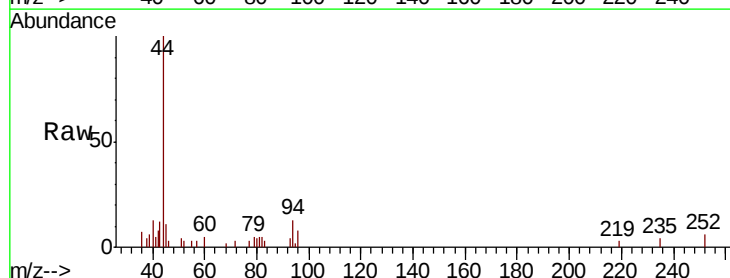
Acq: 24 Sep 2018 00:11

Tgt Ion: 94 Resp: 1621

Ion Ratio Lower Upper

94 100

96 37.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051433.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051433.D (-153) (-)

2.58

1000

800

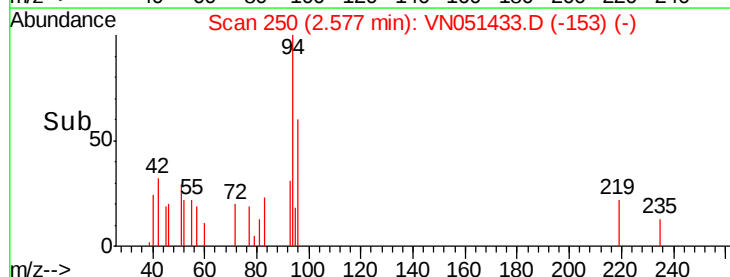
600

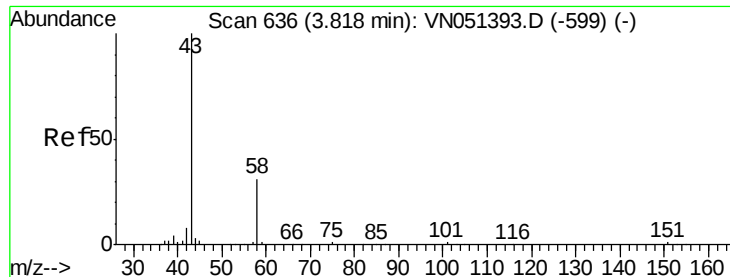
400

200

0

Time--> 2.55 2.60





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

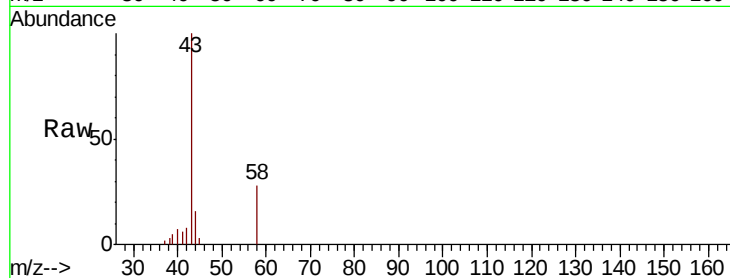
PB113124ZHE#04

Tgt Ion: 43 Resp: 18706

Ion Ratio Lower Upper

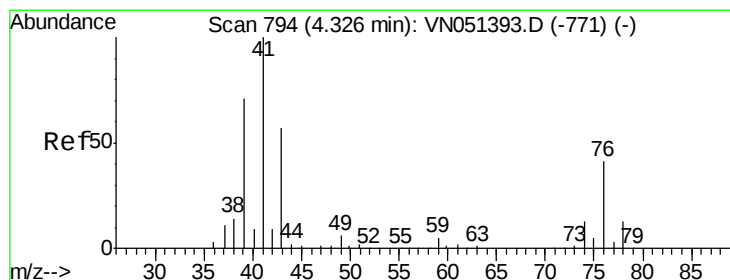
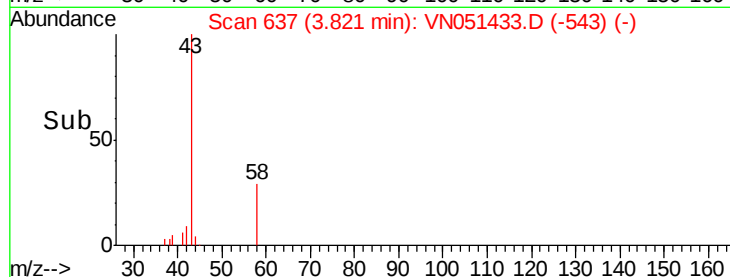
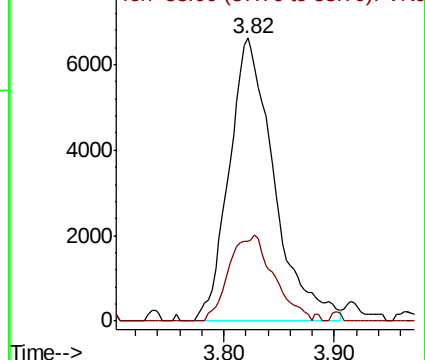
43 100

58 28.2 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: 1.976 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051433.D

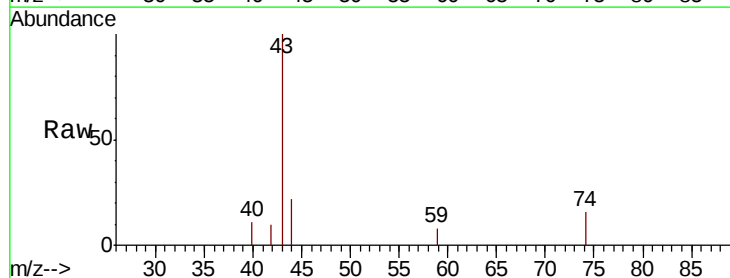
Acq: 24 Sep 2018 00:11

Tgt Ion: 43 Resp: 12046

Ion Ratio Lower Upper

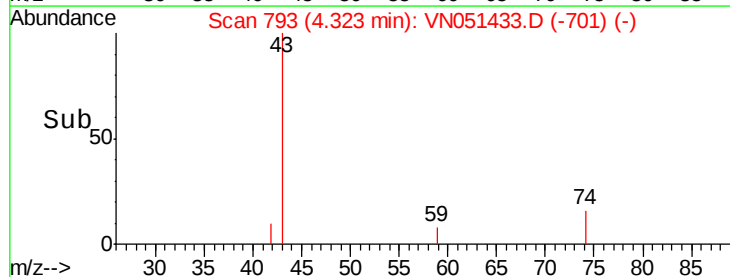
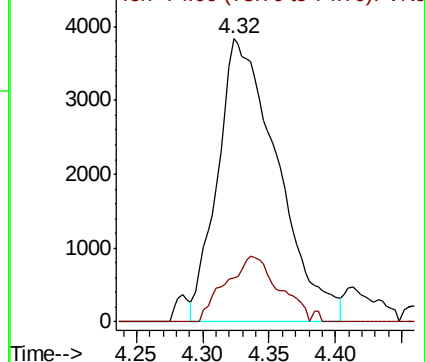
43 100

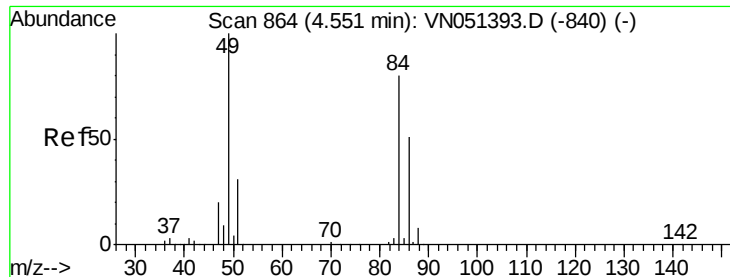
74 20.4 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

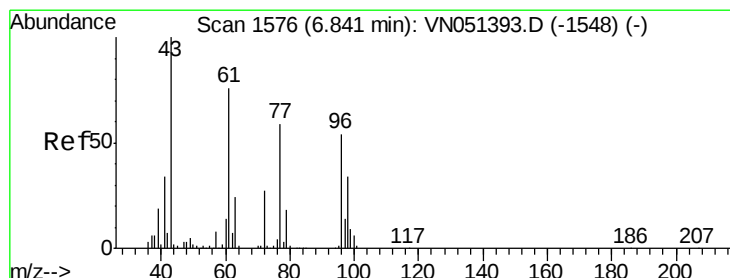
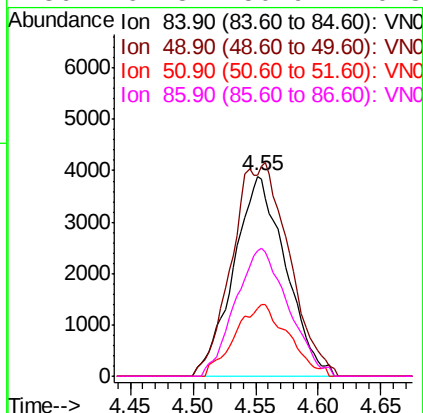
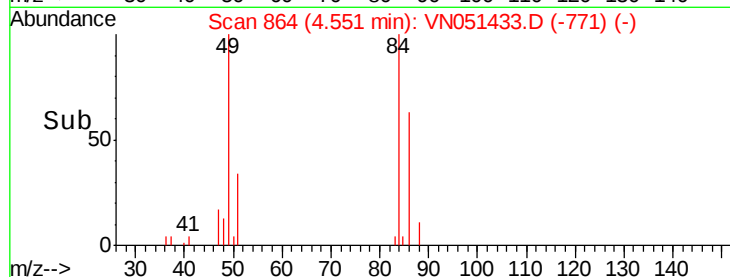
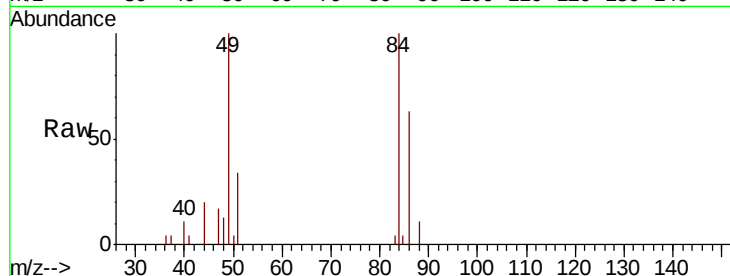




#20
Methylene Chloride
Concen: 1.415 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051433.D
Acq: 24 Sep 2018 00:11

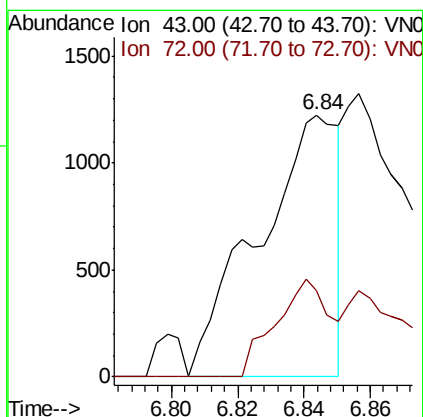
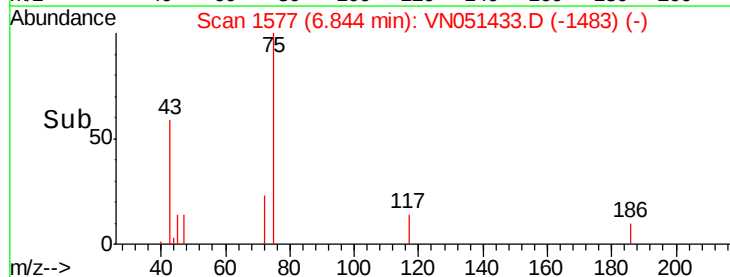
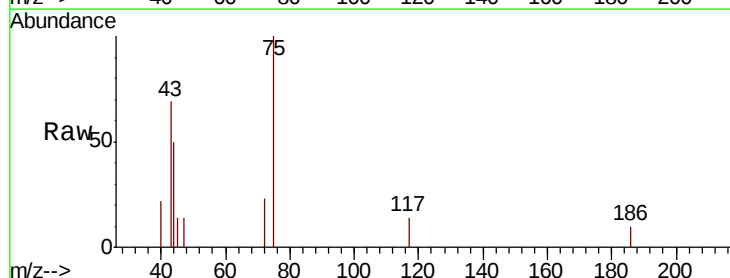
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#04

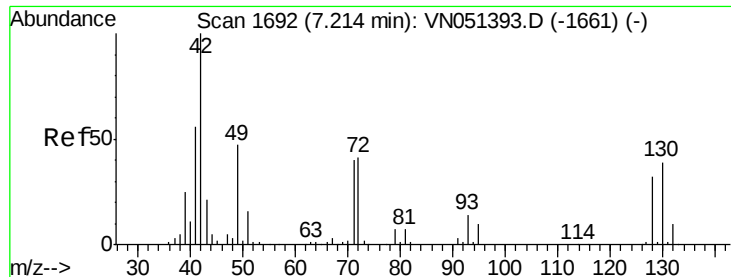
Tgt Ion: 84 Resp: 11210
Ion Ratio Lower Upper
84 100
49 100.4 99.9 149.9
51 33.7 31.4 47.2
86 62.8 50.9 76.3



#25
2-Butanone
Concen: 0.751 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051433.D
Acq: 24 Sep 2018 00:11

Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
72 33.1 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.513 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04

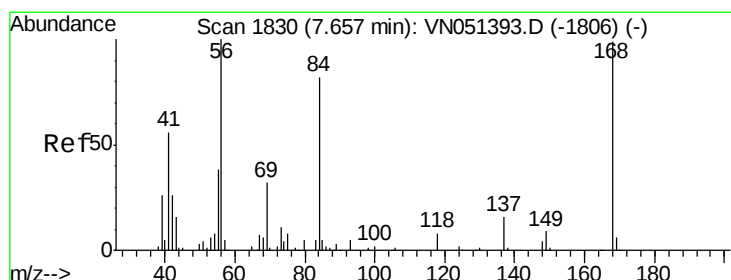
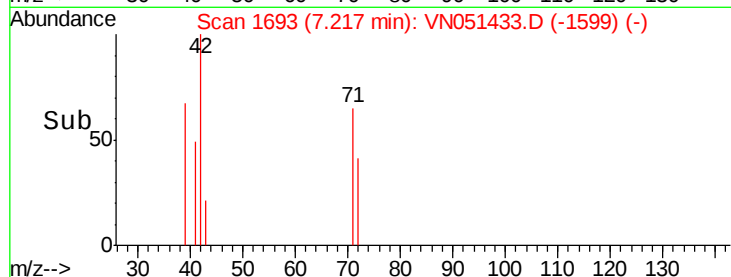
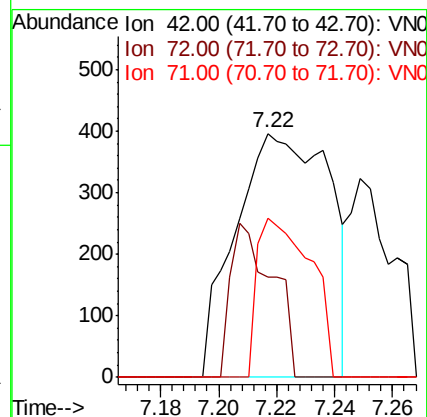
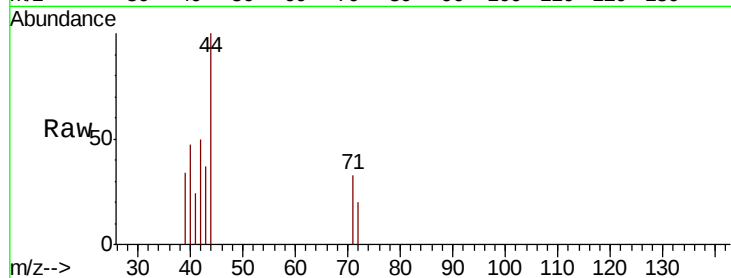
Tgt Ion: 42 Resp: 891

Ion Ratio Lower Upper

42 100

72 28.2 34.3 51.5#

71 37.1 32.2 48.4



#31

Cyclohexane

Concen: 0.988 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

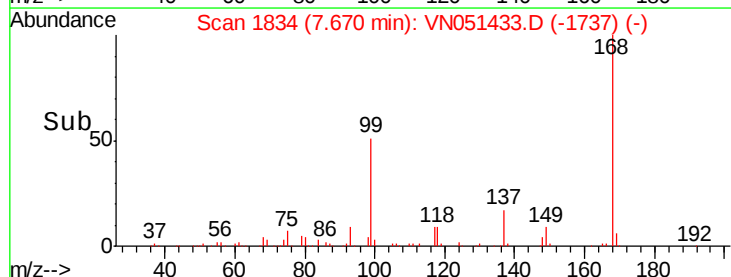
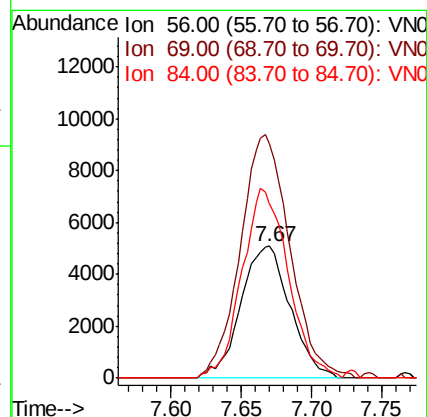
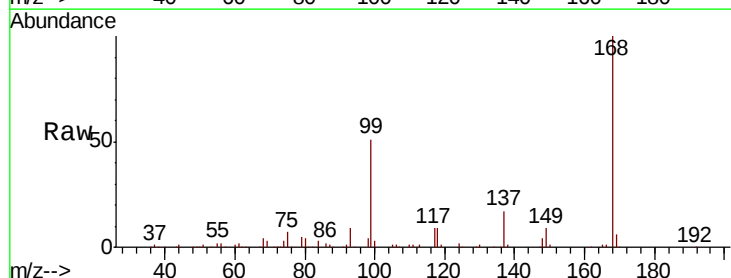
Tgt Ion: 56 Resp: 12458

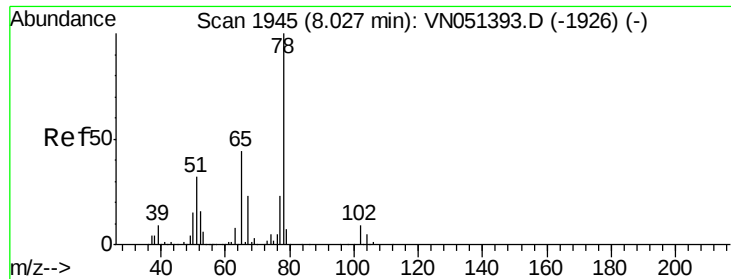
Ion Ratio Lower Upper

56 100

69 177.9 25.8 38.6#

84 131.7 66.0 99.0#

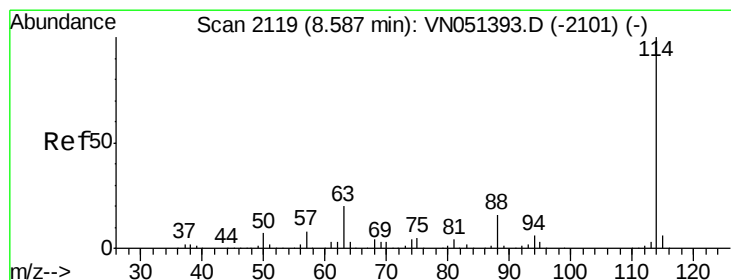
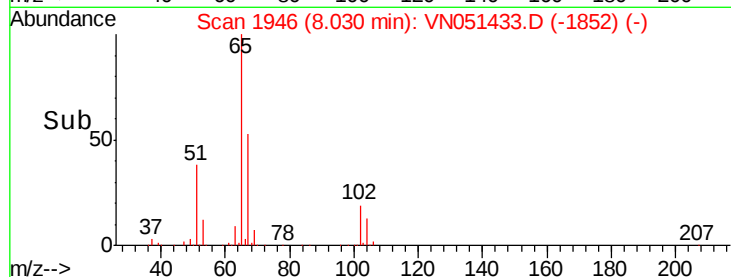
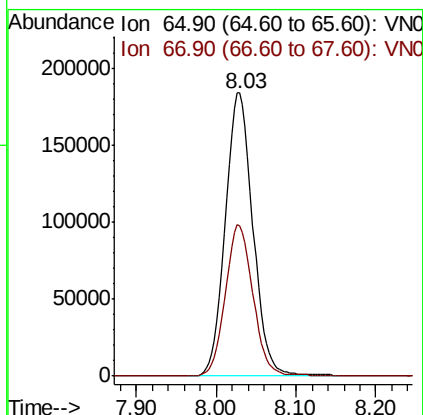
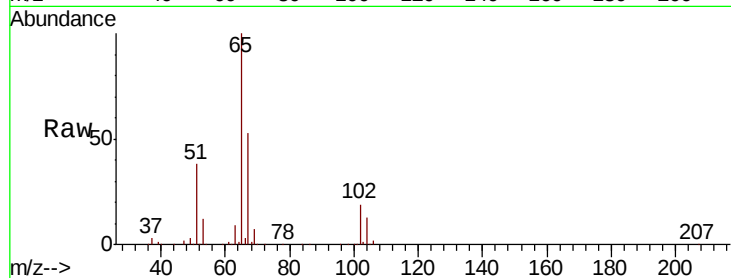




#33
 1,2-Dichloroethane-d4
 Concen: 54.638 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051433.D
 Acq: 24 Sep 2018 00:11

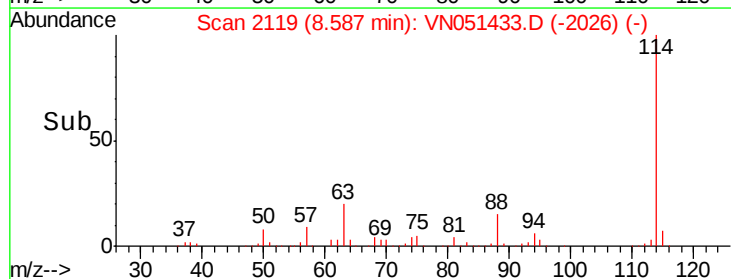
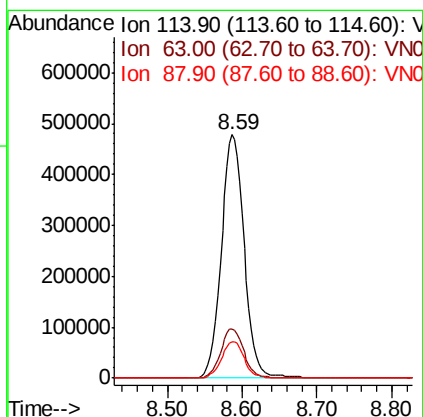
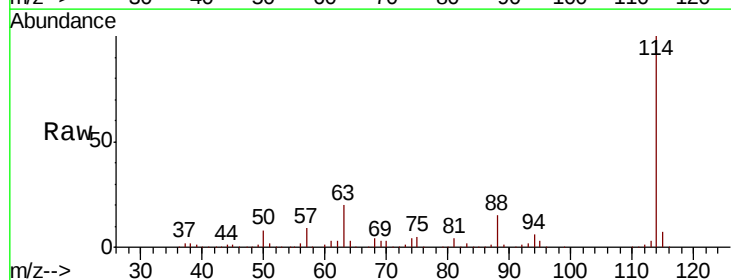
Instrument :
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 PB113124ZHE#04

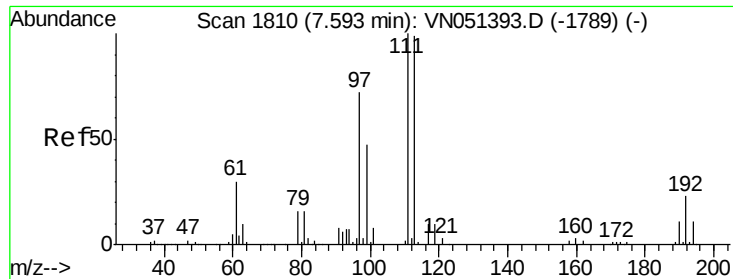
Tgt Ion: 65 Resp: 437405
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051433.D
 Acq: 24 Sep 2018 00:11

Tgt Ion: 114 Resp: 1006742
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.202 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04

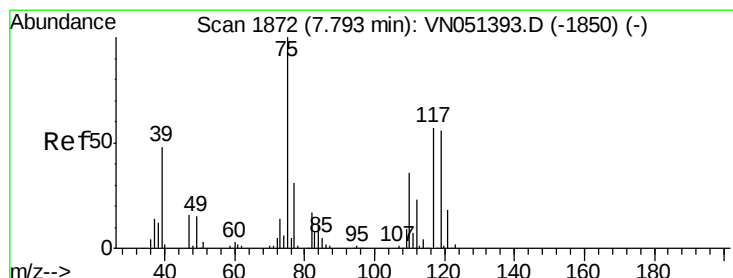
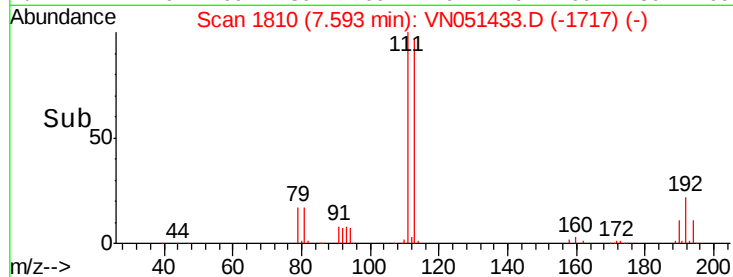
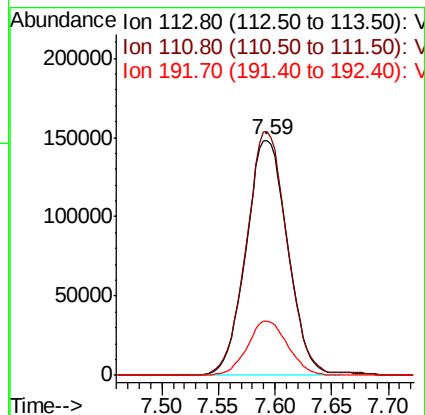
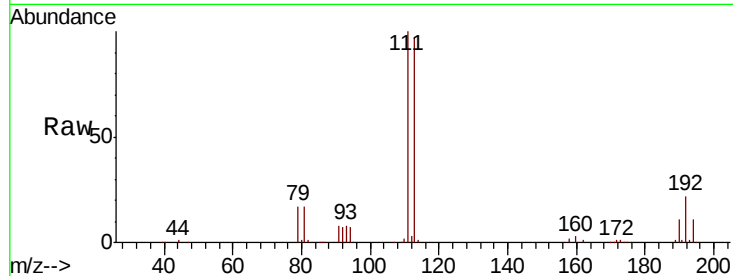
Tgt Ion:113 Resp: 379994

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 22.5 18.0 27.0



#36

1,1-Dichloropropene

Concen: 3.838 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

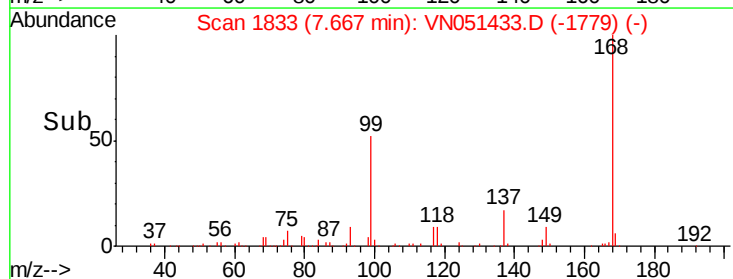
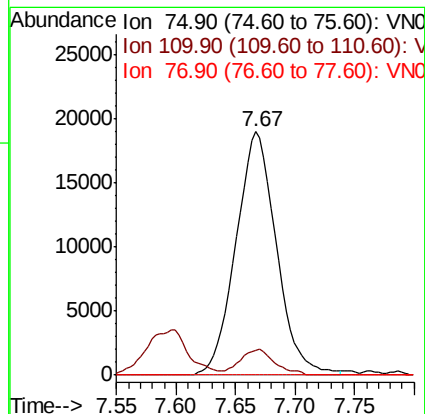
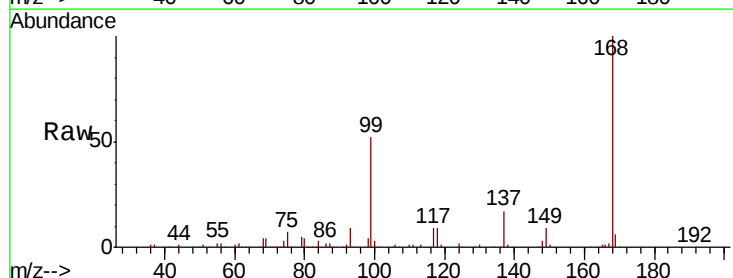
Tgt Ion: 75 Resp: 44747

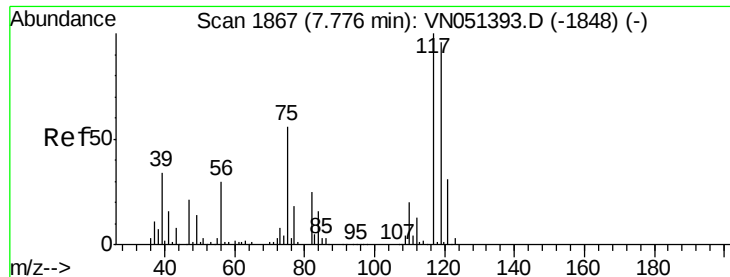
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.3#

77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.683 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04

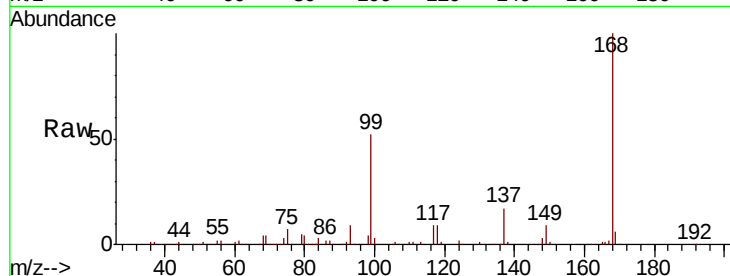
Tgt Ion:117 Resp: 57099

Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

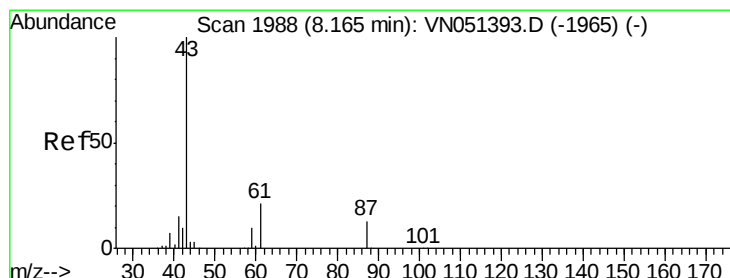
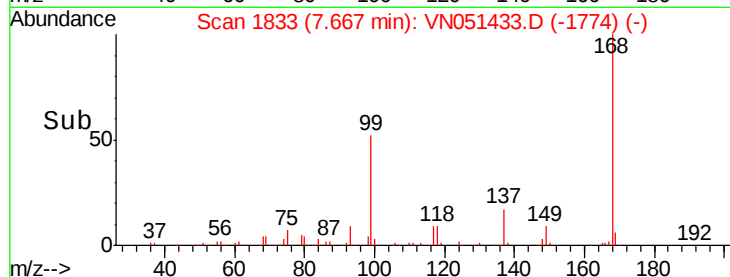
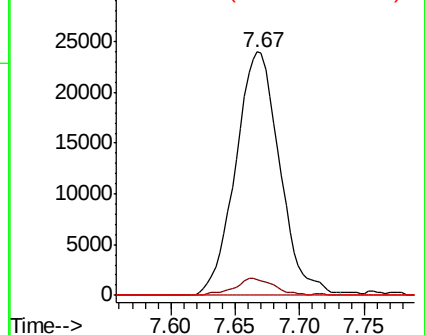
121 0.0 24.6 37.0#



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: 23.458 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

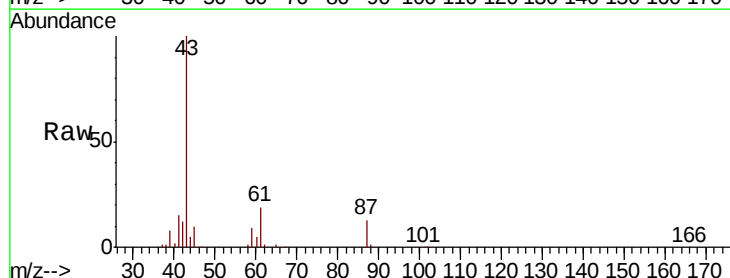
Tgt Ion: 43 Resp: 284329

Ion Ratio Lower Upper

43 100

61 16.5 16.8 25.2#

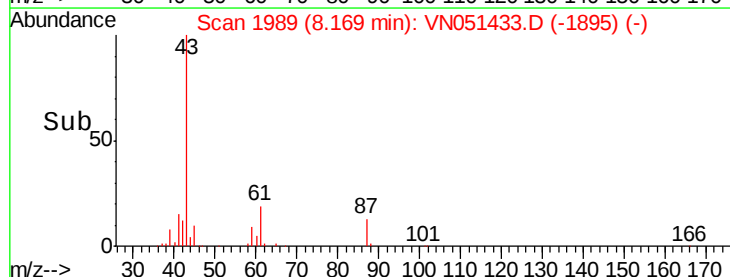
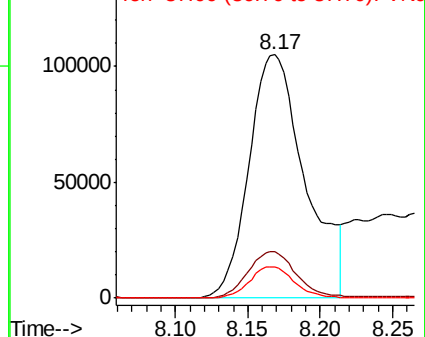
87 10.3 10.7 16.1#

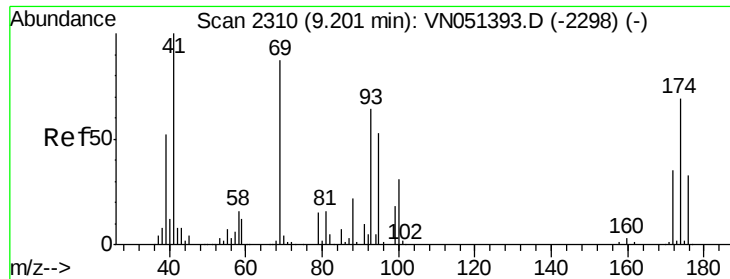


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

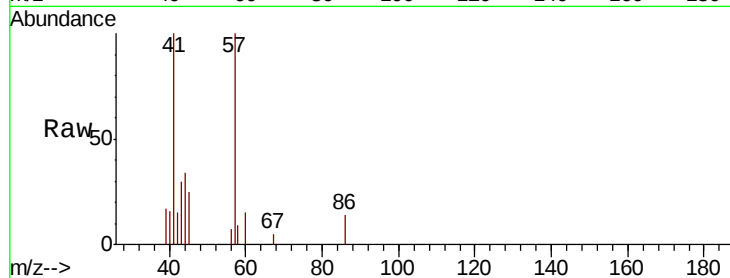




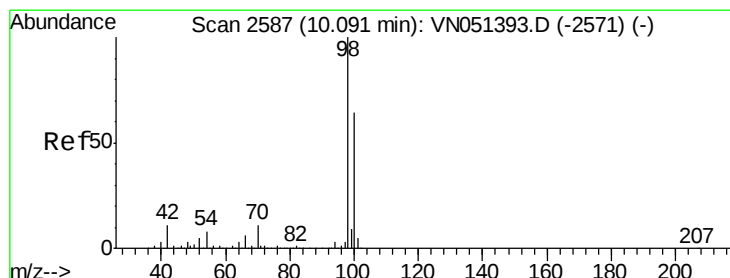
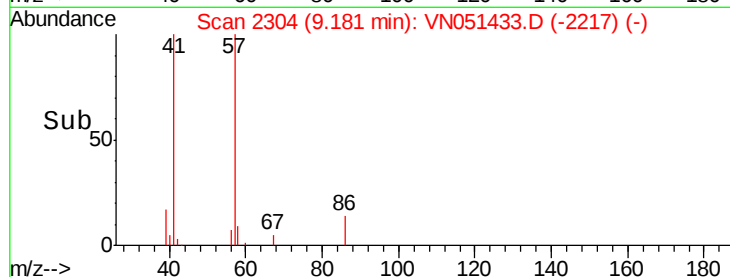
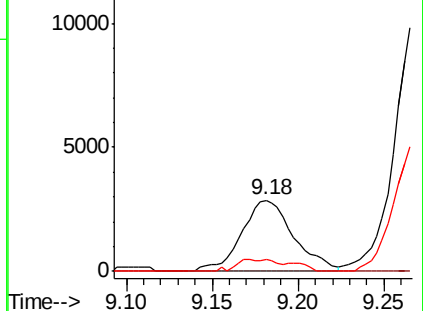
#48
Methyl methacrylate
Concen: 0.998 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051433.D
Acq: 24 Sep 2018 00:11

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#04

Tgt Ion: 41 Resp: 6033
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 13.8 43.8 65.8#

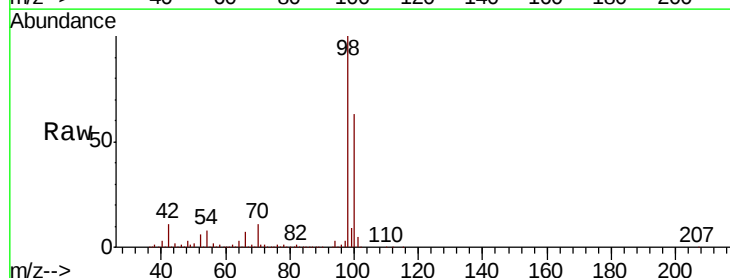


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

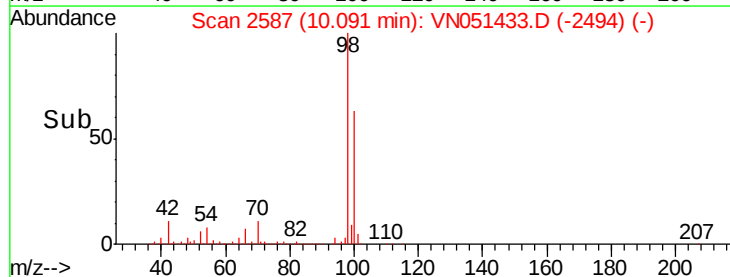
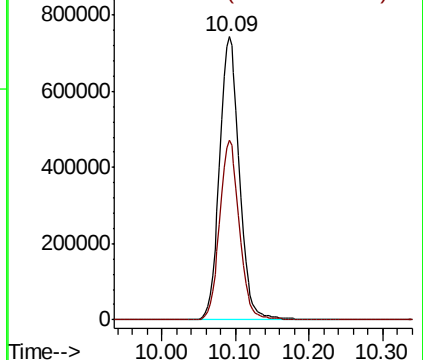


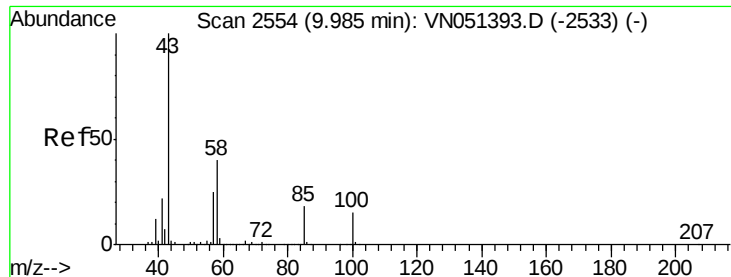
#50
Toluene-d8
Concen: 45.814 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051433.D
Acq: 24 Sep 2018 00:11

Tgt Ion: 98 Resp: 1388862
Ion Ratio Lower Upper
98 100
100 63.2 50.6 75.8



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

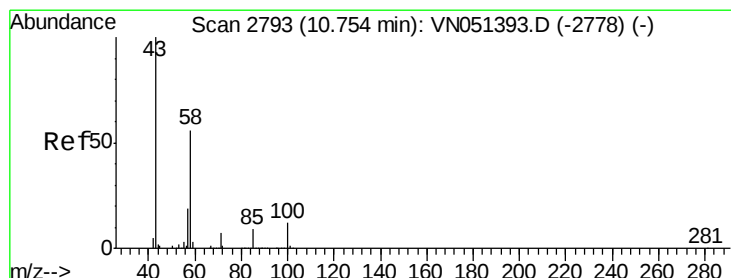
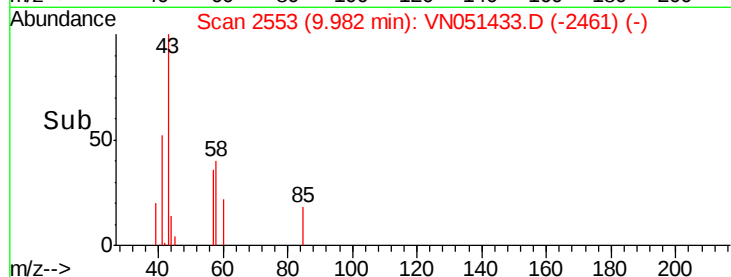
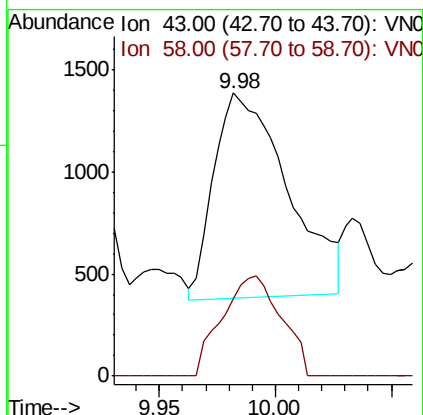
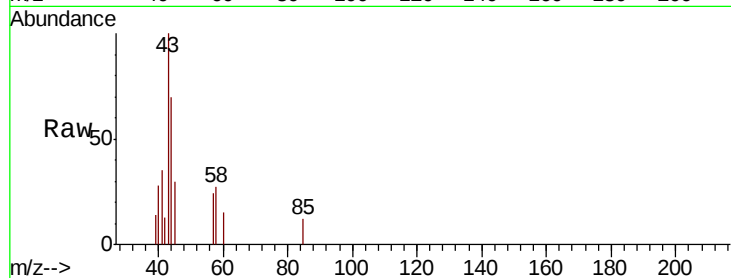




#51
 4-Methyl-2-Pentanone
 Concen: 0.334 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051433.D
 Acq: 24 Sep 2018 00:11

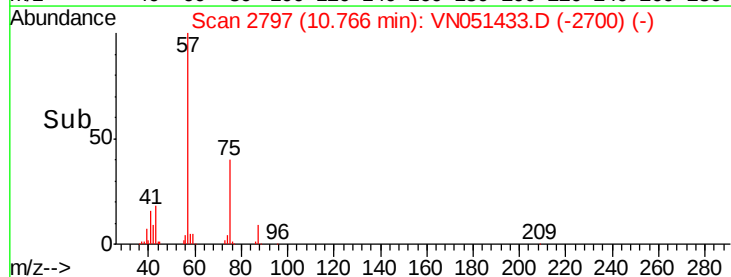
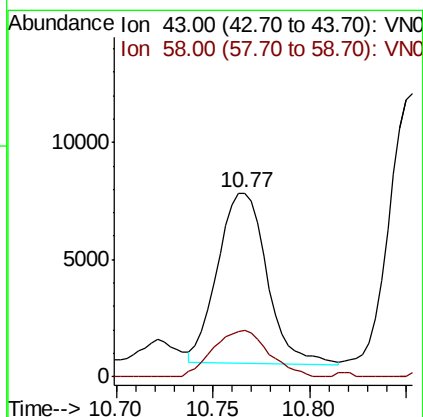
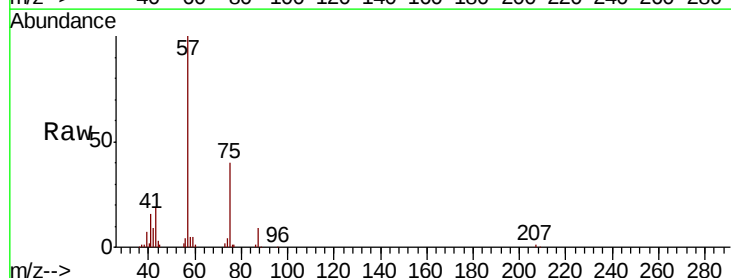
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#04

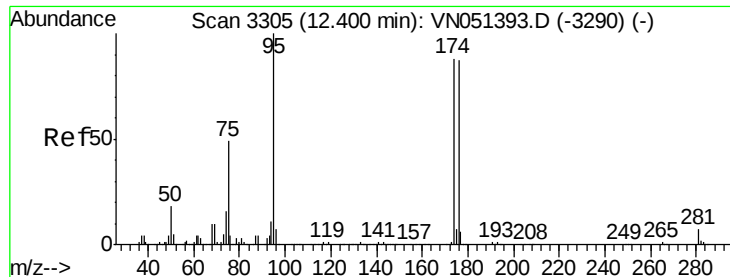
Tgt Ion: 43 Resp: 2224
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.5 47.3



#59
 2-Hexanone
 Concen: 2.993 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051433.D
 Acq: 24 Sep 2018 00:11

Tgt Ion: 43 Resp: 12936
 Ion Ratio Lower Upper
 43 100
 58 30.7 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 38.770 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04

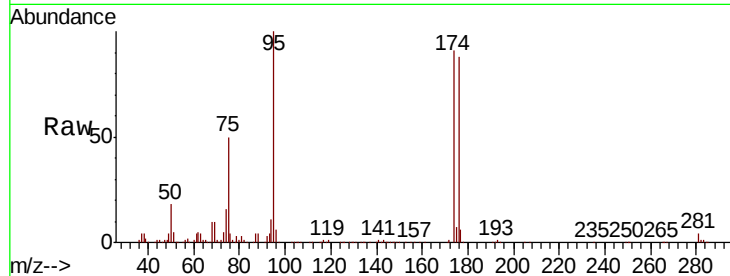
Tgt Ion: 95 Resp: 380218

Ion Ratio Lower Upper

95 100

174 90.4 0.0 181.6

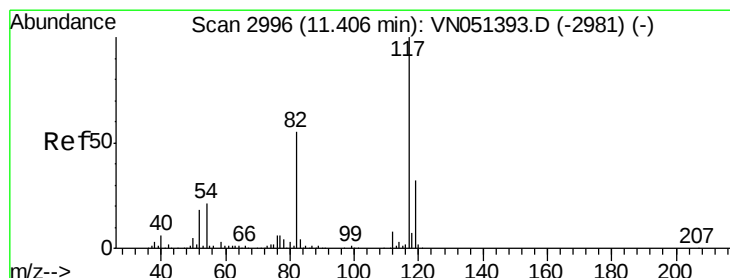
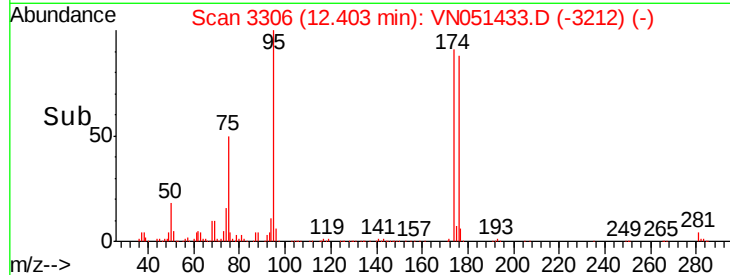
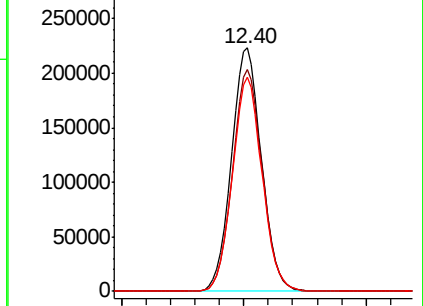
176 87.2 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051433.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN051433.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN051433.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

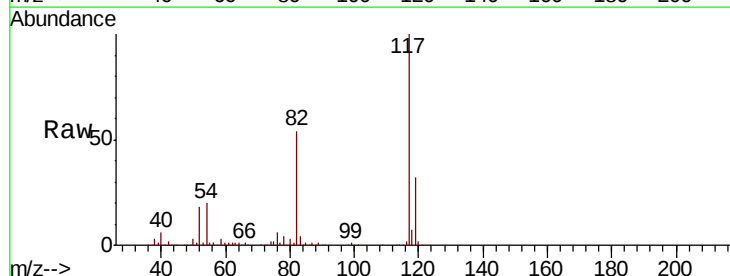
Tgt Ion: 117 Resp: 838915

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

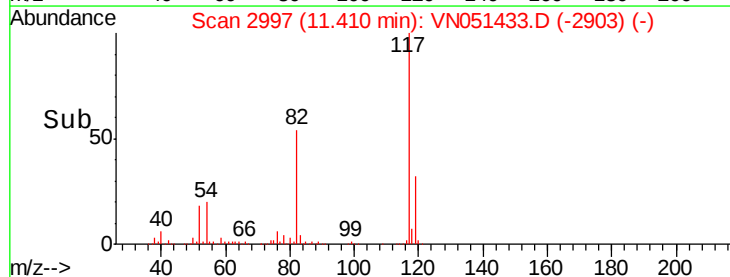
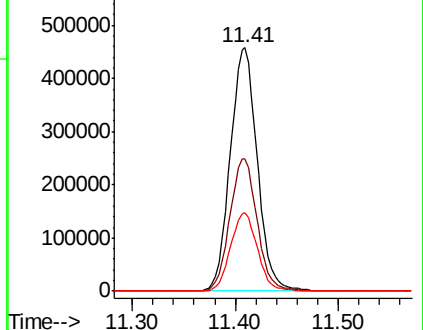
119 32.1 25.9 38.9

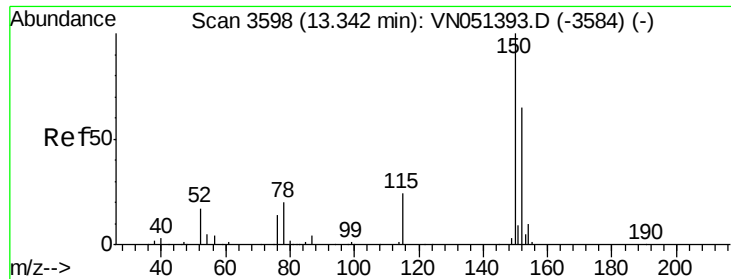


Abundance Ion 116.90 (116.60 to 117.60): VN051433.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN051433.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN051433.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04

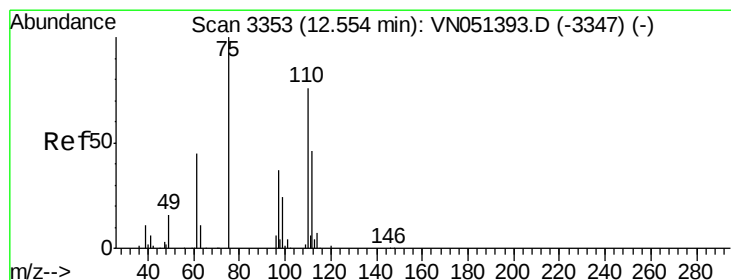
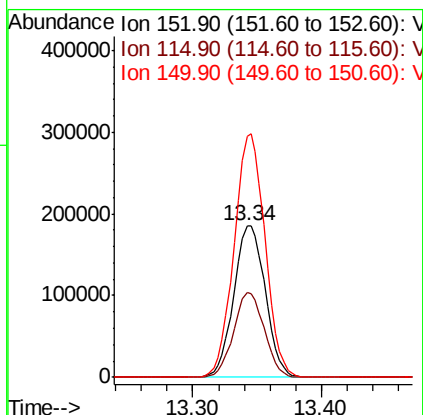
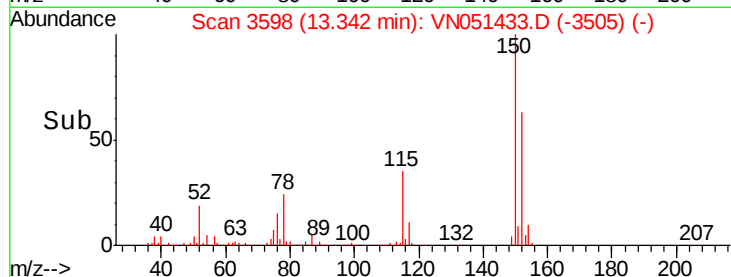
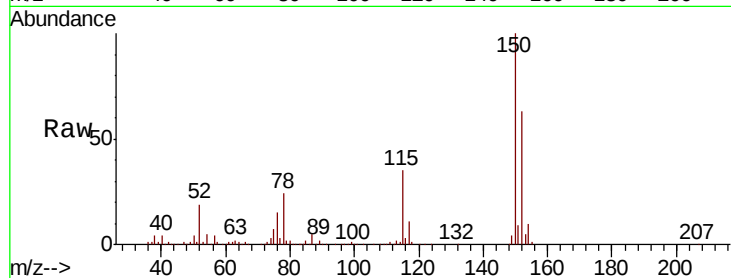
Tgt Ion:152 Resp: 314528

Ion Ratio Lower Upper

152 100

115 54.7 28.3 84.9

150 157.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 35.722 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051433.D

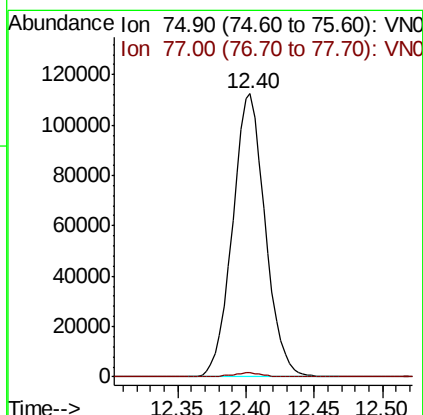
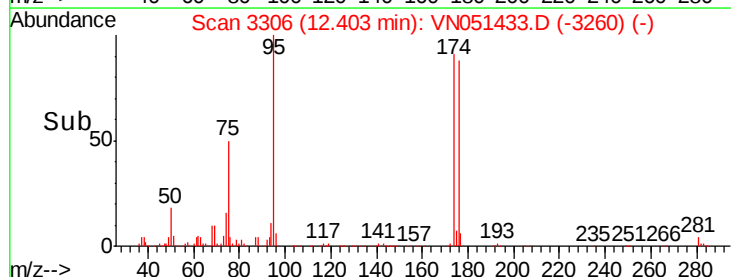
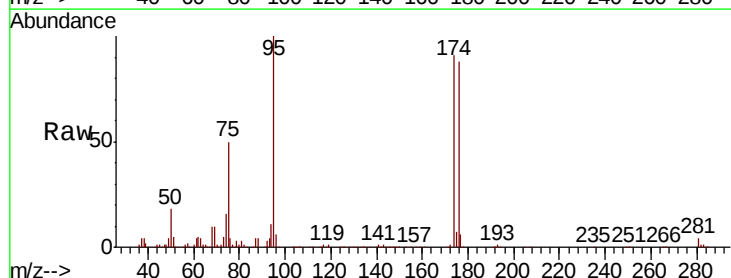
Acq: 24 Sep 2018 00:11

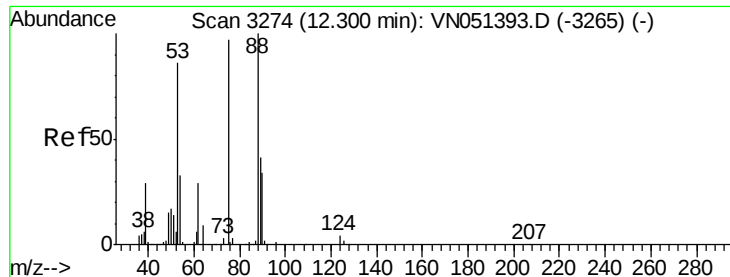
Tgt Ion: 75 Resp: 186519

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.844 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04

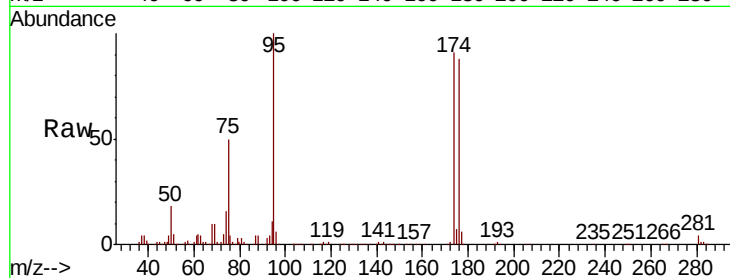
Tgt Ion: 75 Resp: 186519

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

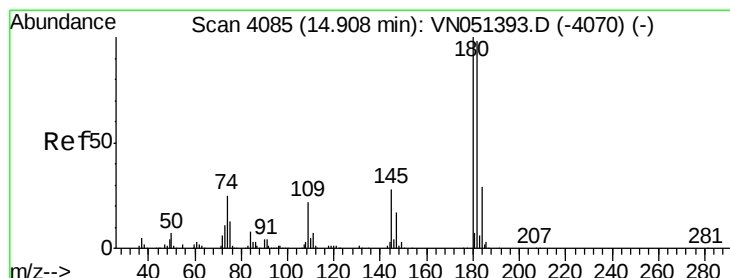
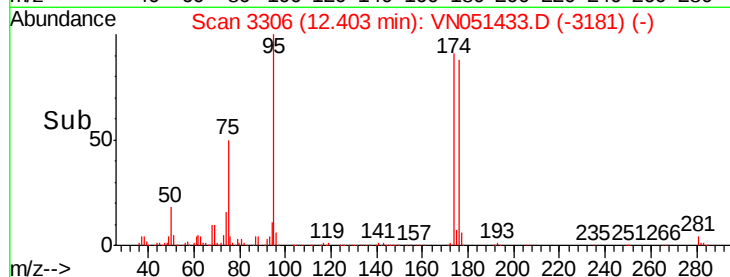
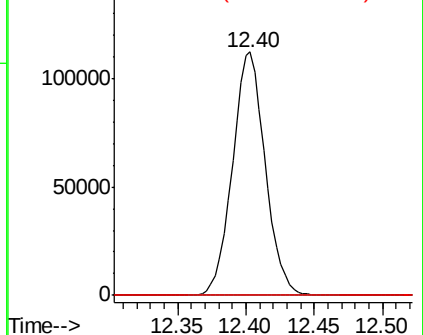
89 0.0 36.7 55.1#



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: 5.992 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051433.D

Acq: 24 Sep 2018 00:11

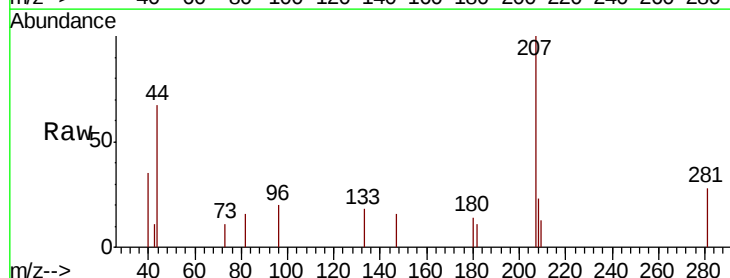
Tgt Ion: 180 Resp: 68

Ion Ratio Lower Upper

180 100

182 88.2 48.5 145.6

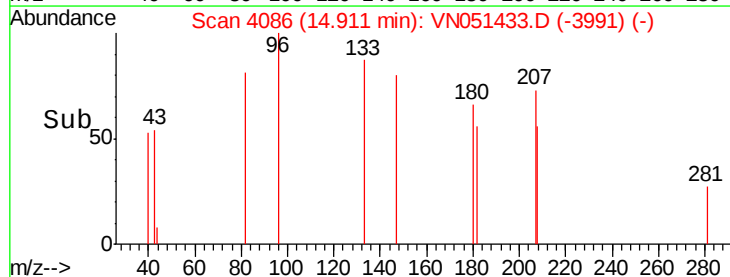
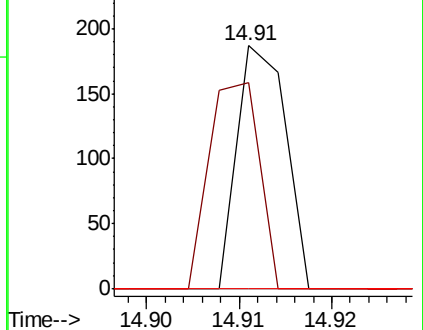
145 0.0 14.1 42.4#

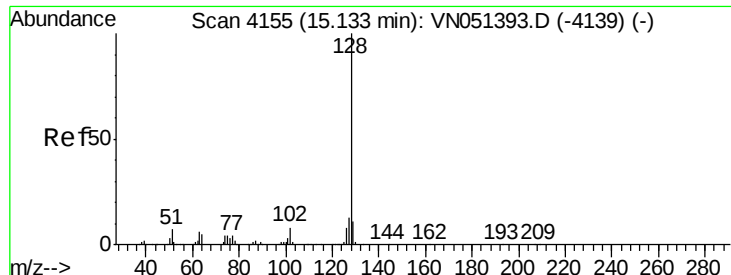


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 8.067 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051433.D

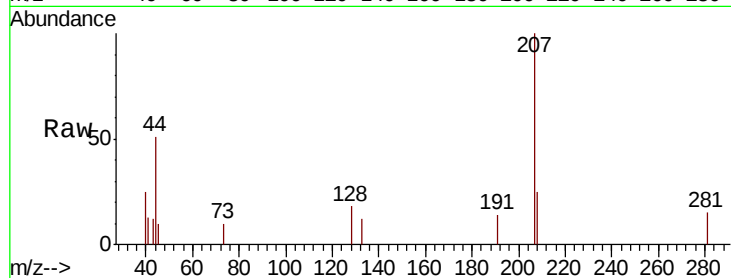
Acq: 24 Sep 2018 00:11

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#04



Tgt Ion:	128	Resp:	315
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	12.8#

