

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051440.D
 Acq On : 24 Sep 2018 3:03
 Operator : MD\SY
 Sample : PB113124ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#11

Quant Time: Sep 24 06:51:42 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	625172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	818503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301280	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	429770	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	7.59	113	376371	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	10.09	98	1357845	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
62) 4-Bromofluorobenzene	12.40	95	369747	38.77	ug/l	0.00
Spiked Amount			Recovery	=	77.54%	

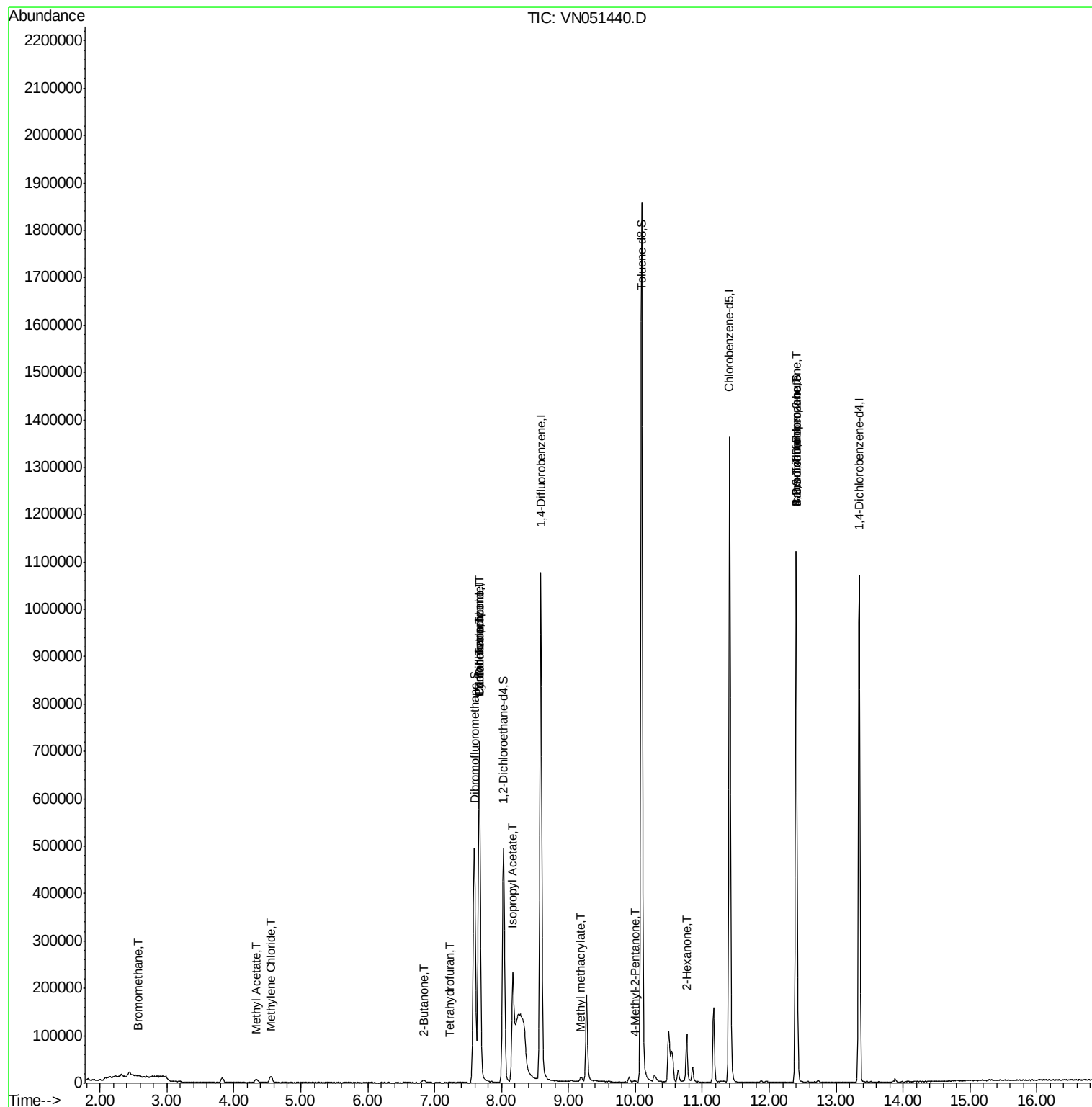
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1594	0.318	ug/l	90
16) Acetone	3.82	43	17399	Below Cal		97
18) Methyl Acetate	4.33	43	15419	2.585	ug/l #	79
20) Methylene Chloride	4.55	84	10498	1.355	ug/l #	93
25) 2-Butanone	6.85	43	4708	1.756	ug/l #	86
29) Tetrahydrofuran	7.22	42	394	0.232	ug/l #	61
31) Cyclohexane	7.66	56	11873	0.963	ug/l #	7
36) 1,1-Dichloropropene	7.67	75	44440	3.920	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55778	4.704	ug/l #	18
43) Isopropyl Acetate	8.17	43	293929	24.938	ug/l #	89
48) Methyl methacrylate	9.18	41	6045	1.029	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2187	0.337	ug/l	95
59) 2-Hexanone	10.76	43	14600	3.474	ug/l #	58
71) Bromoform	12.39	173	1302	0.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	181401	36.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181401	111.527	ug/l #	13

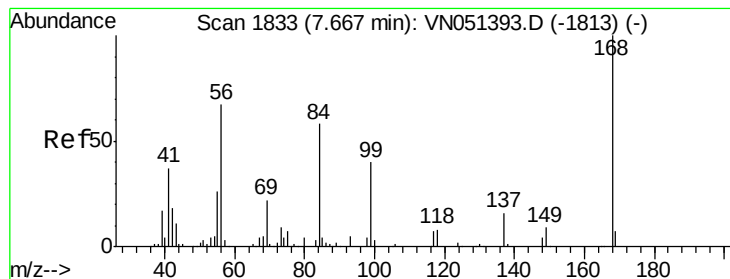
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1834

Delta R.T. 0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

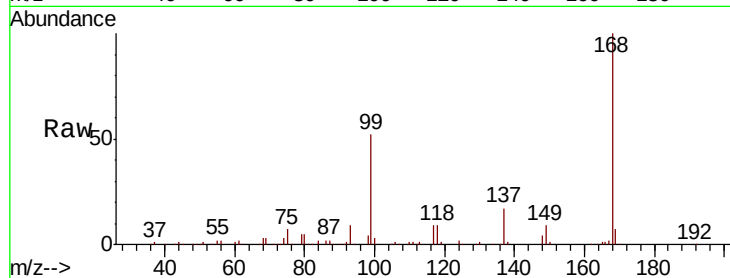
PB113124ZHE#11

Tgt Ion:168 Resp: 625172

Ion Ratio Lower Upper

168 100

99 52.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

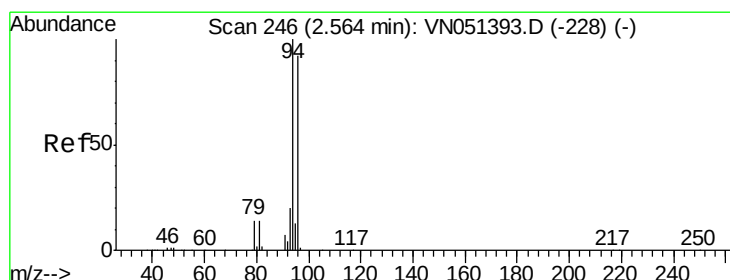
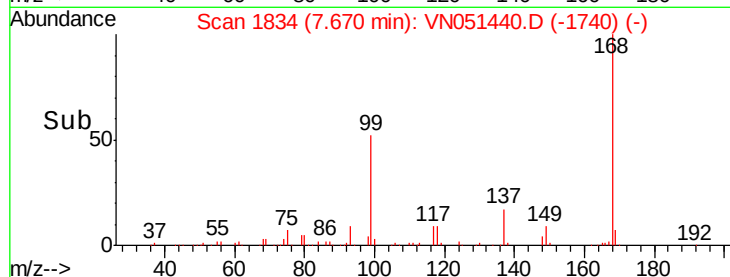
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.318 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051440.D

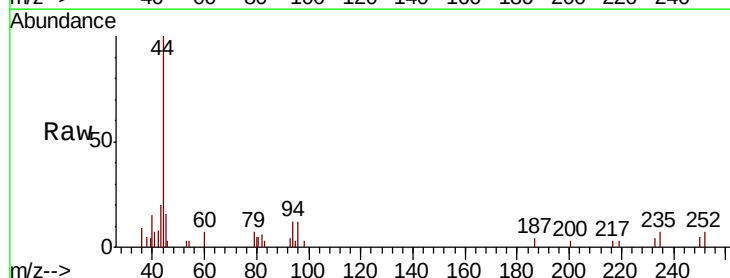
Acq: 24 Sep 2018 3:03

Tgt Ion: 94 Resp: 1594

Ion Ratio Lower Upper

94 100

96 101.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

800

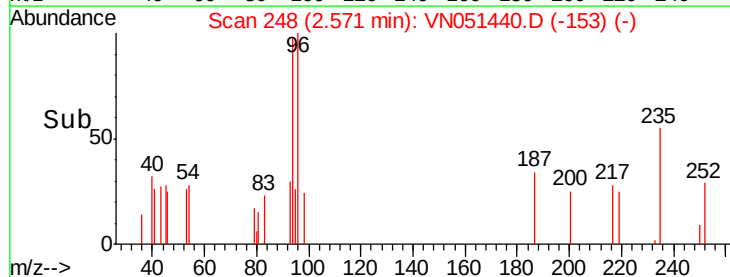
600

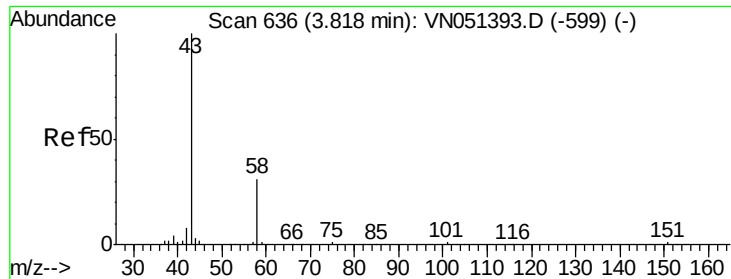
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

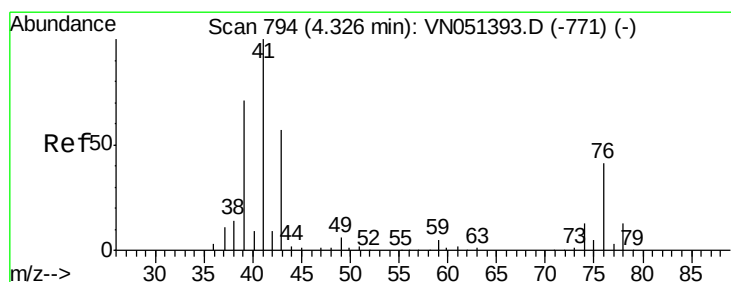
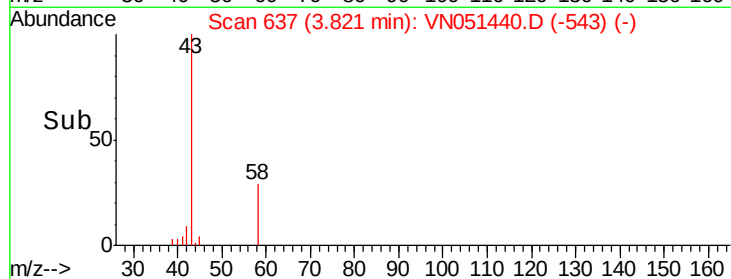
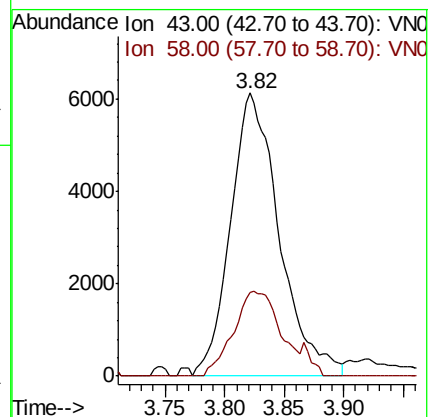
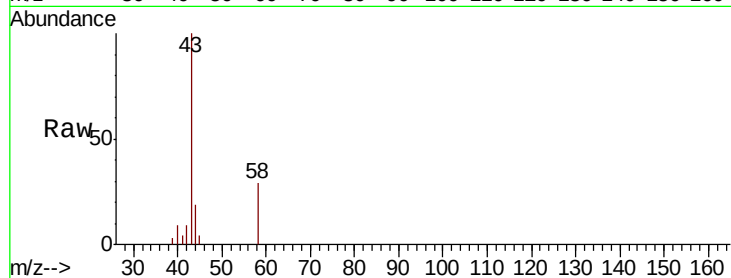
PB113124ZHE#11

Tgt Ion: 43 Resp: 17399

Ion Ratio Lower Upper

43 100

58 29.4 25.0 37.4



#18

Methyl Acetate

Concen: 2.585 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051440.D

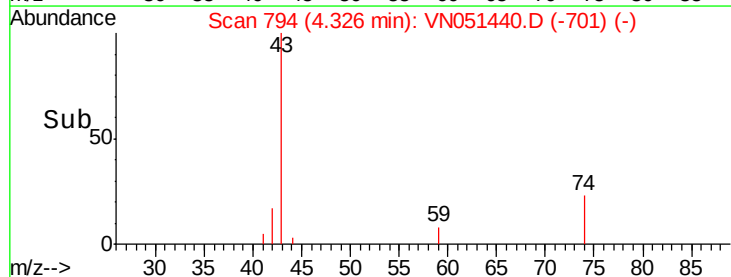
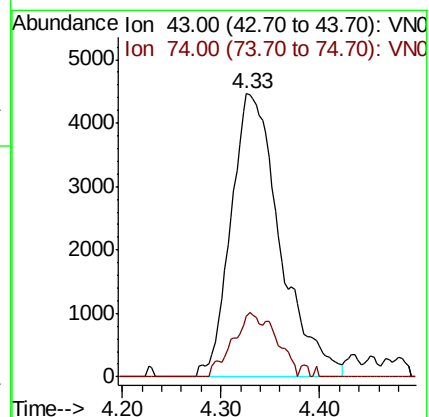
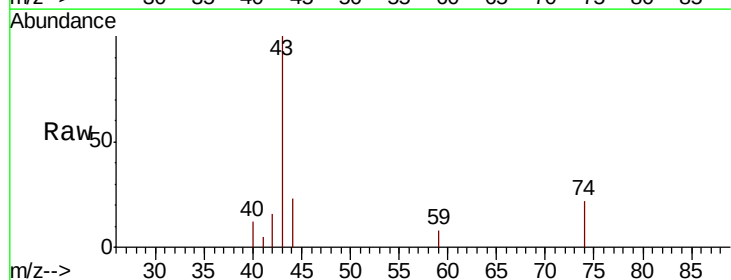
Acq: 24 Sep 2018 3:03

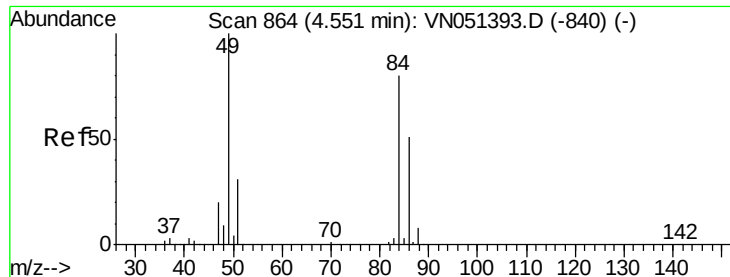
Tgt Ion: 43 Resp: 15419

Ion Ratio Lower Upper

43 100

74 13.2 18.8 28.2#





#20

Methylene Chloride

Concen: 1.355 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#11

Tgt Ion: 84 Resp: 10498

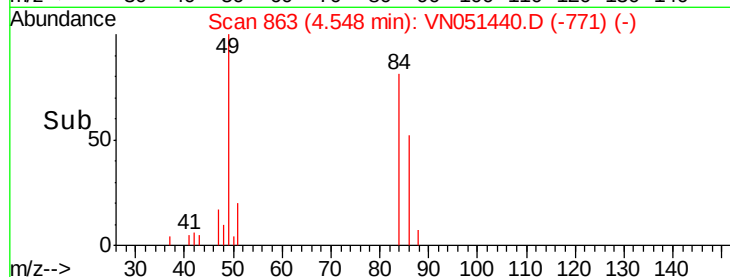
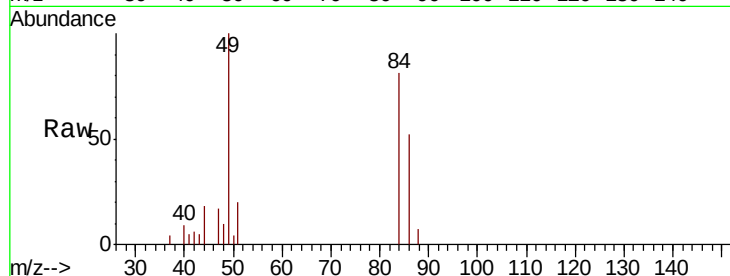
Ion Ratio Lower Upper

84 100

49 119.6 99.9 149.9

51 25.4 31.4 47.2#

86 64.9 50.9 76.3

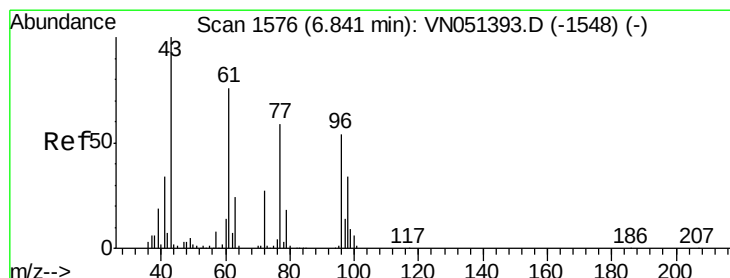
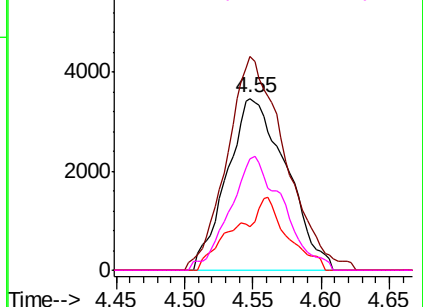


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.756 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN051440.D

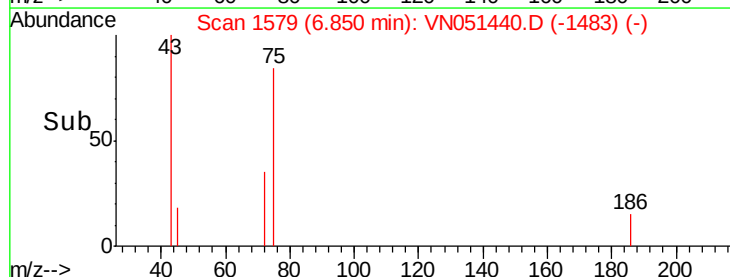
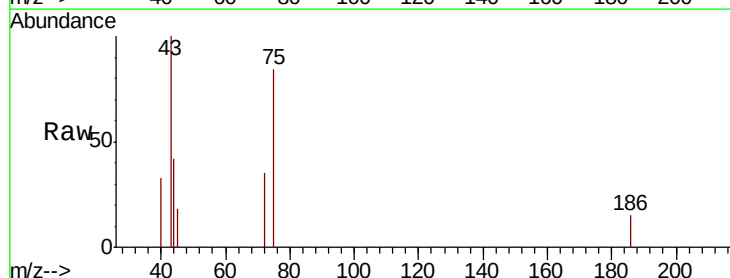
Acq: 24 Sep 2018 3:03

Tgt Ion: 43 Resp: 4708

Ion Ratio Lower Upper

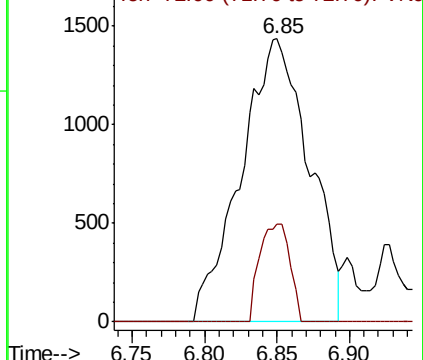
43 100

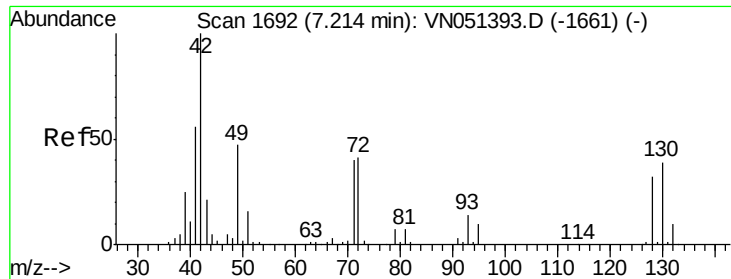
72 34.5 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#11

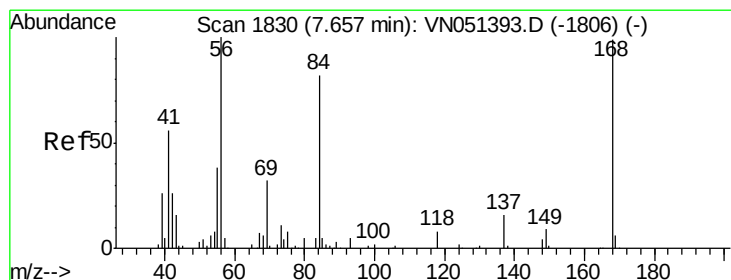
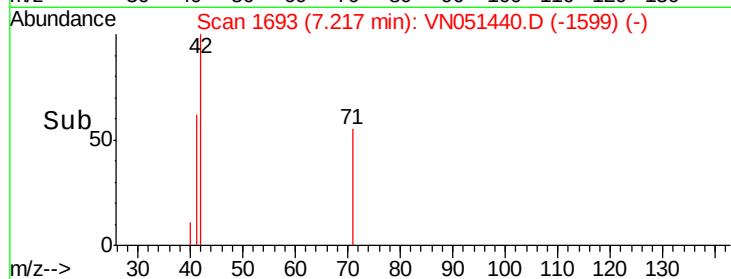
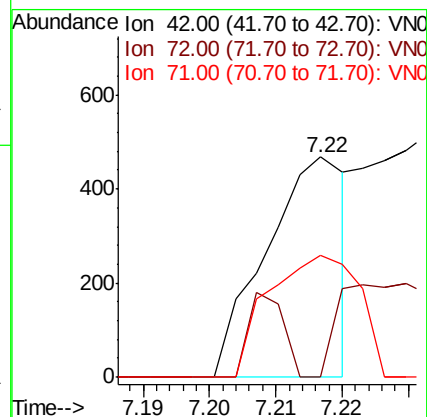
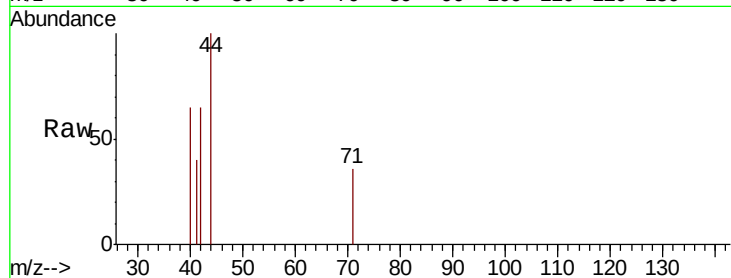
Tgt Ion: 42 Resp: 394

Ion Ratio Lower Upper

42 100

72 16.5 34.3 51.5#

71 62.7 32.2 48.4#



#31

Cyclohexane

Concen: 0.963 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

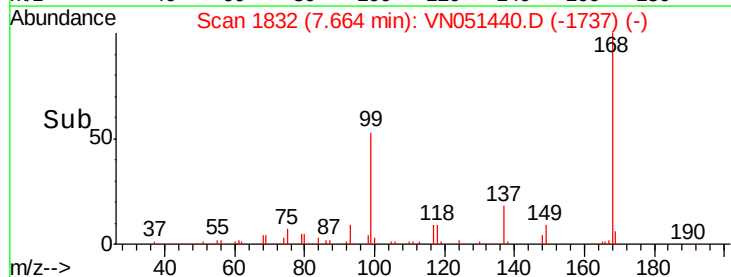
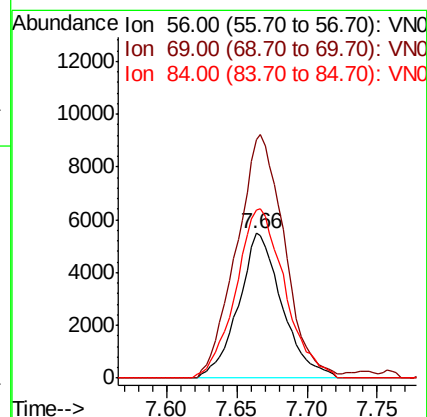
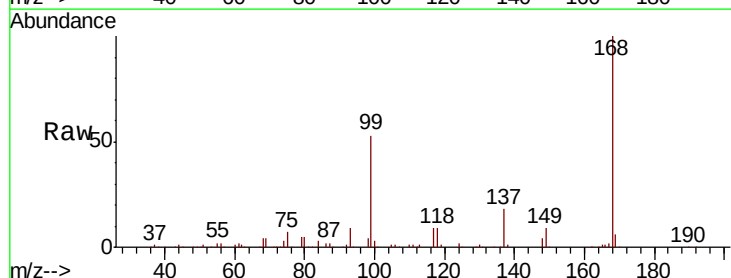
Tgt Ion: 56 Resp: 11873

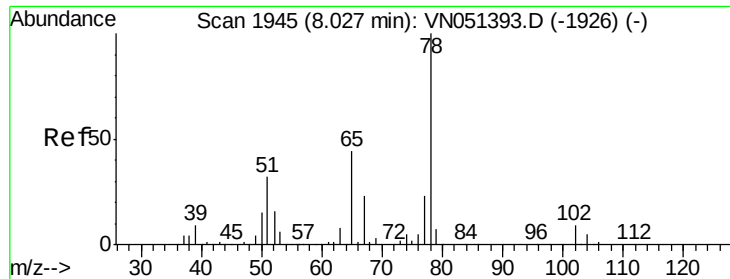
Ion Ratio Lower Upper

56 100

69 164.8 25.8 38.6#

84 115.8 66.0 99.0#

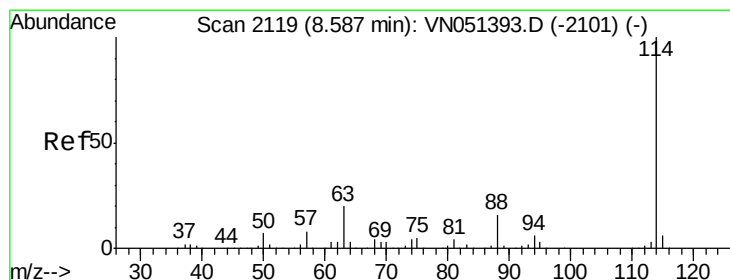
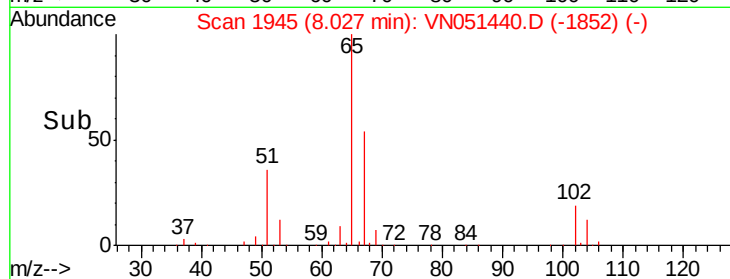
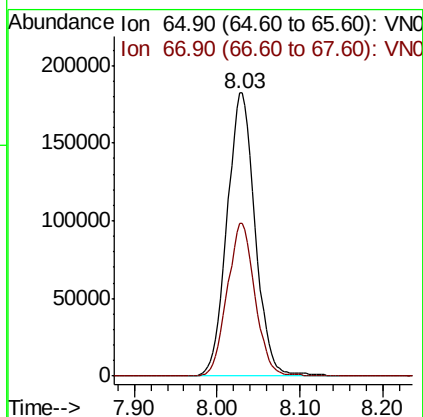
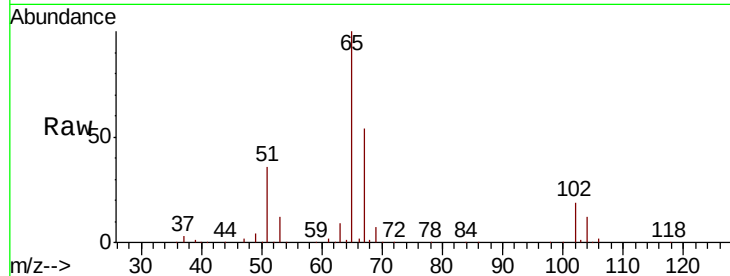




#33
 1,2-Dichloroethane-d4
 Concen: 54.878 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051440.D
 Acq: 24 Sep 2018 3:03

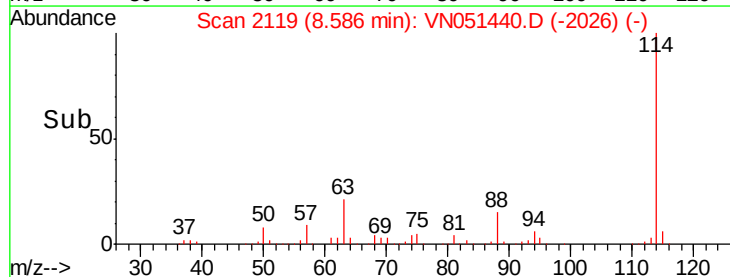
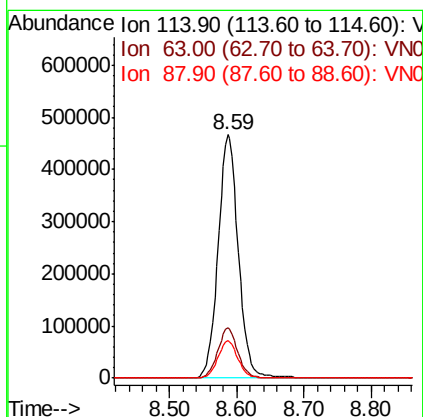
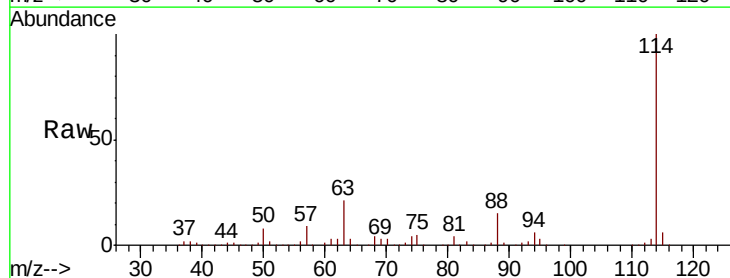
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#11

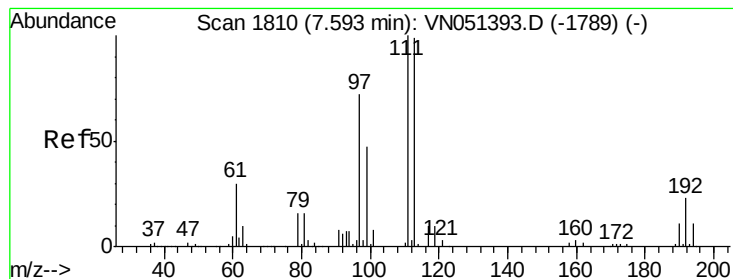
Tgt Ion: 65 Resp: 429770
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051440.D
 Acq: 24 Sep 2018 3:03

Tgt Ion: 114 Resp: 978963
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.078 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#11

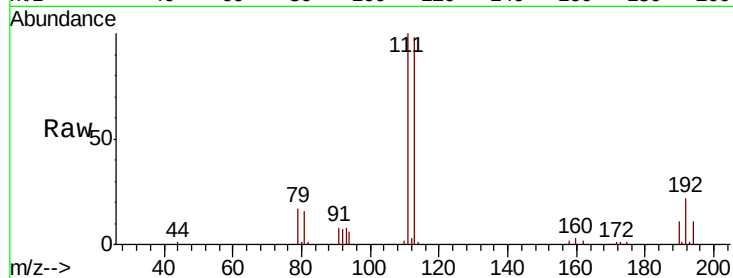
Tgt Ion:113 Resp: 376371

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

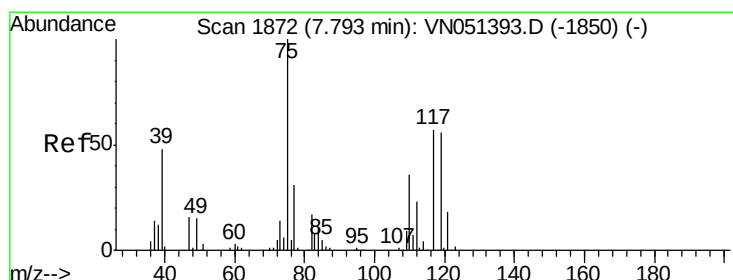
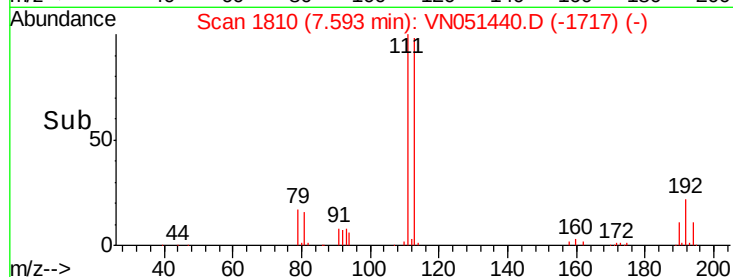
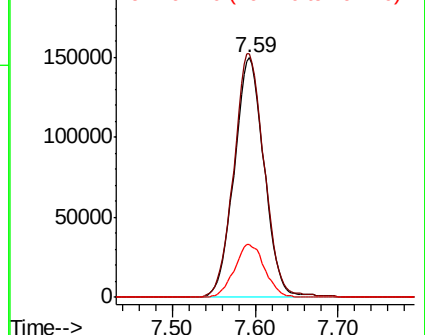
192 22.3 18.0 27.0



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: 3.920 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

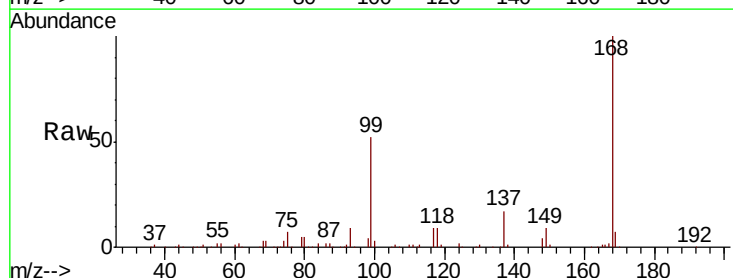
Tgt Ion: 75 Resp: 44440

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

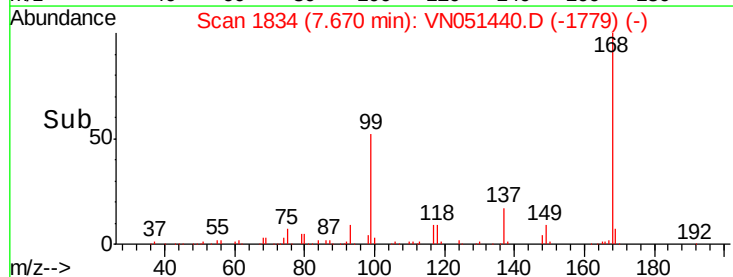
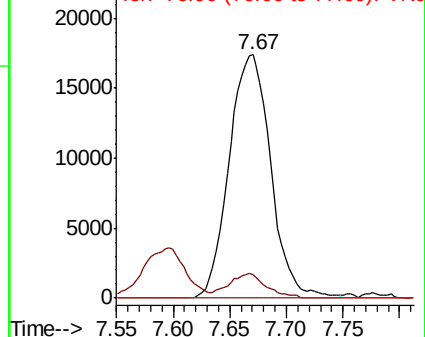
77 0.0 25.6 38.4#

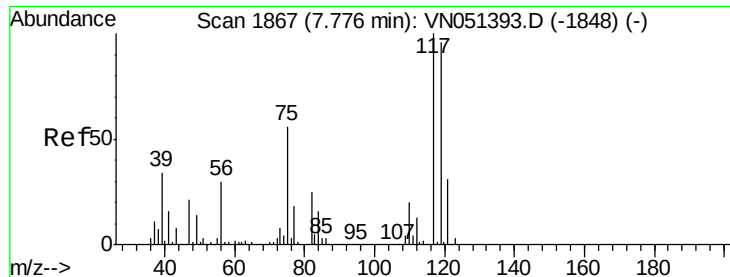


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 4.704 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#11

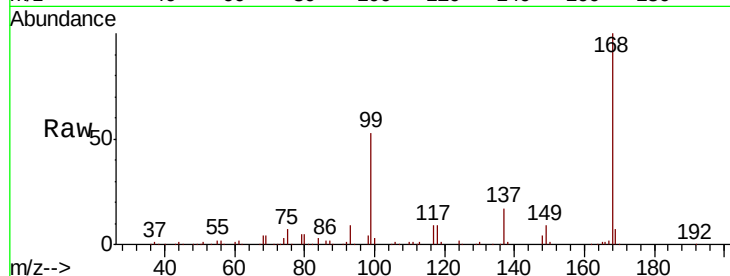
Tgt Ion: 117 Resp: 55778

Ion Ratio Lower Upper

117 100

119 7.4 76.9 115.3#

121 0.0 24.6 37.0#

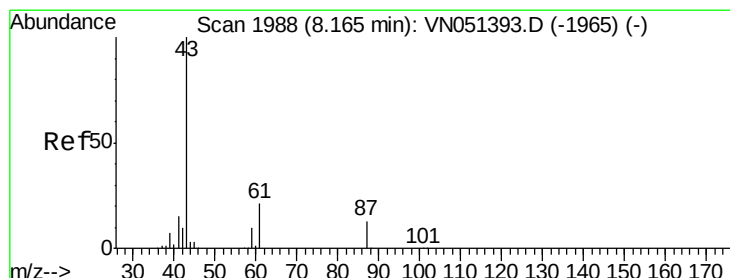
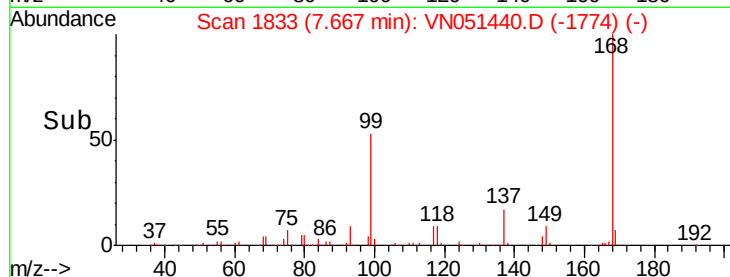
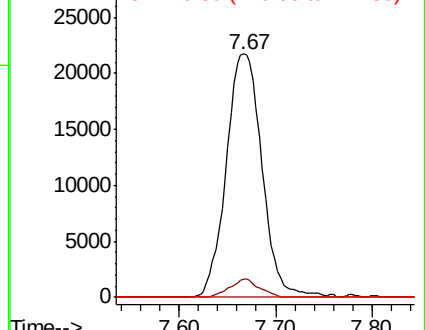


Abundance

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: 24.938 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

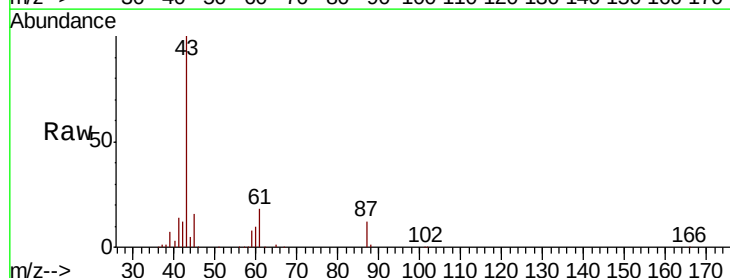
Tgt Ion: 43 Resp: 293929

Ion Ratio Lower Upper

43 100

61 15.2 16.8 25.2#

87 9.8 10.7 16.1#

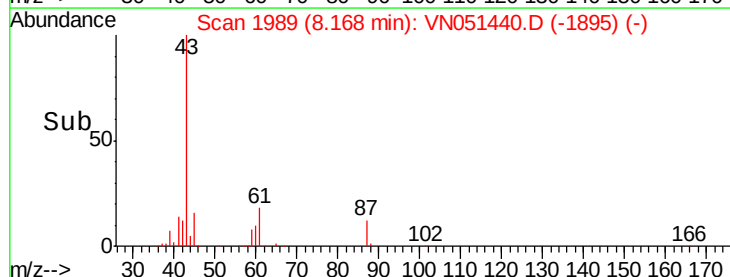
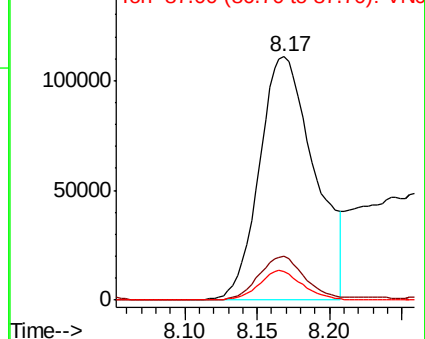


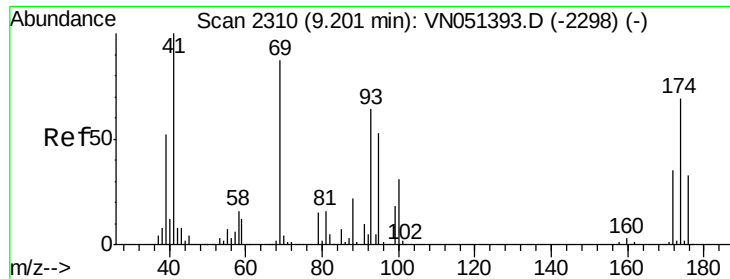
Abundance

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

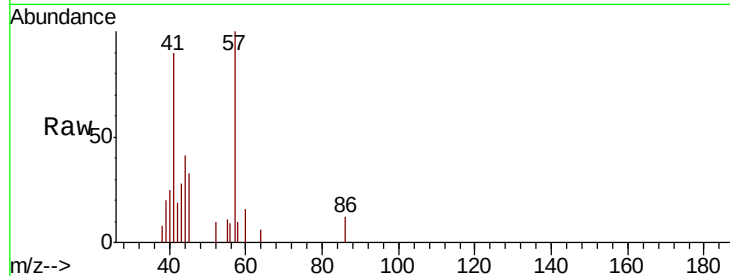




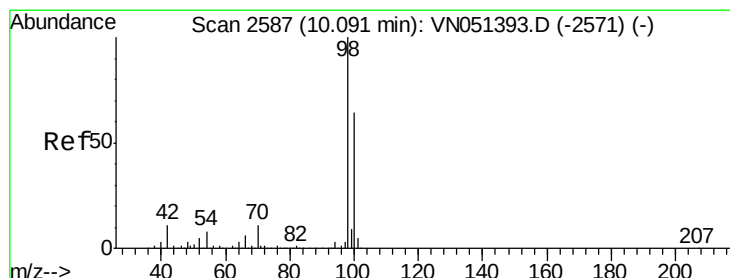
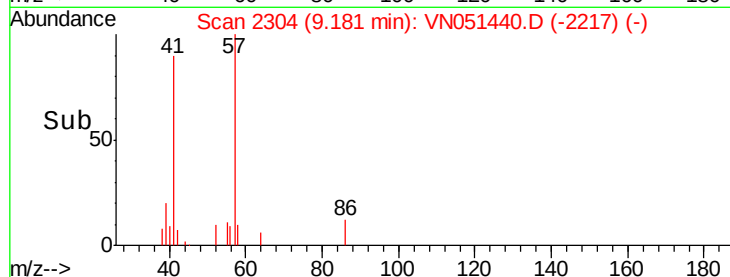
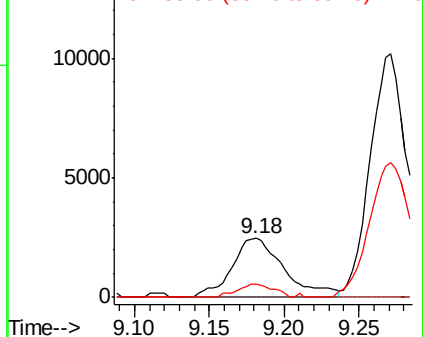
#48
Methyl methacrylate
Concen: 1.029 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051440.D
Acq: 24 Sep 2018 3:03

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#11

Tgt Ion: 41 Resp: 6045
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 15.2 43.8 65.8#

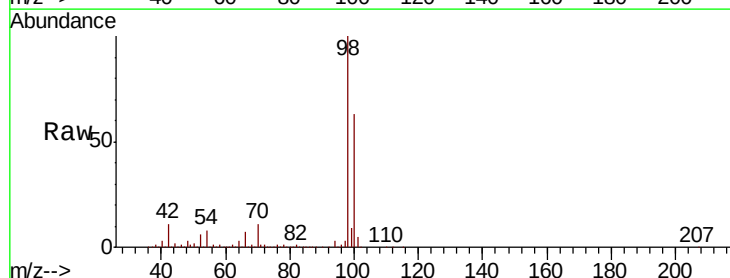


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

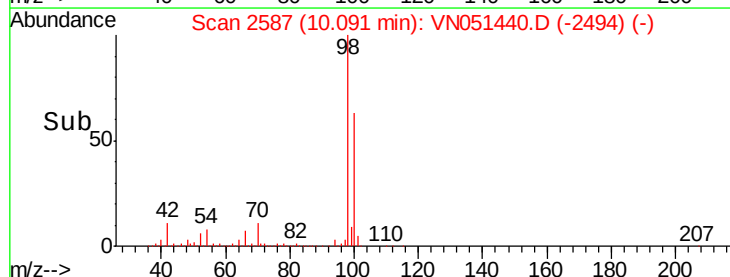
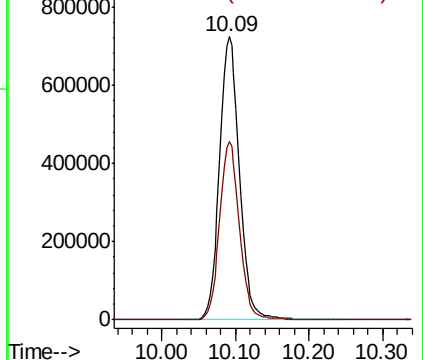


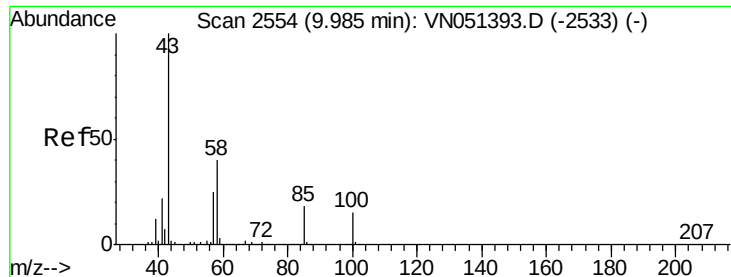
#50
Toluene-d8
Concen: 46.062 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051440.D
Acq: 24 Sep 2018 3:03

Tgt Ion: 98 Resp: 1357845
Ion Ratio Lower Upper
98 100
100 62.8 50.6 75.8



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

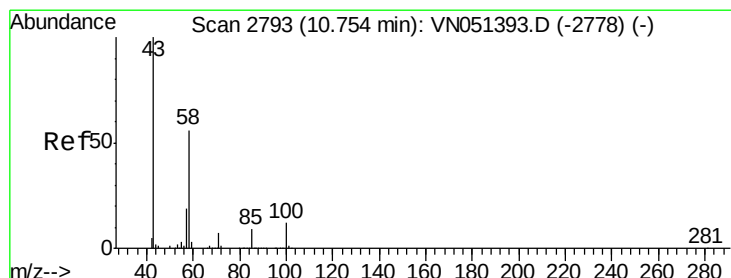
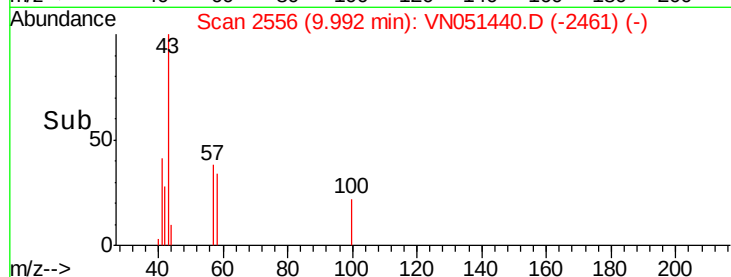
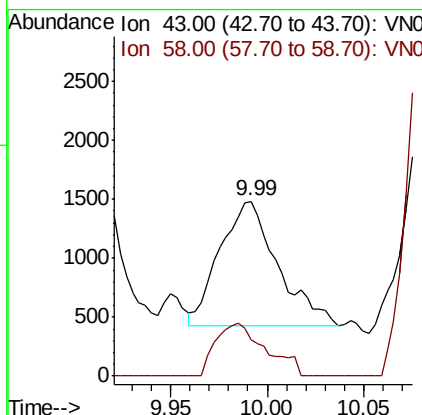
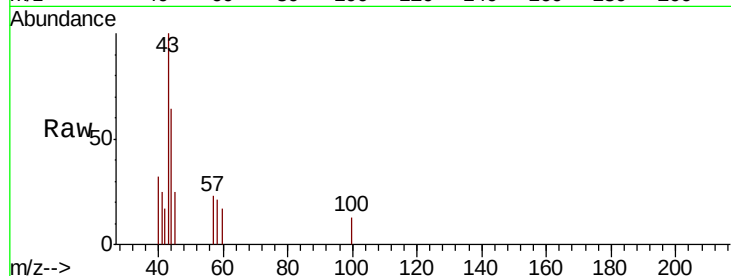




#51
 4-Methyl-2-Pentanone
 Concen: 0.337 ug/l
 RT: 9.99 min Scan# 2556
 Delta R.T. 0.01 min
 Lab File: VN051440.D
 Acq: 24 Sep 2018 3:03

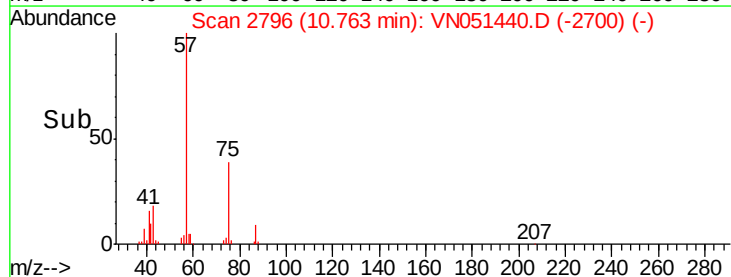
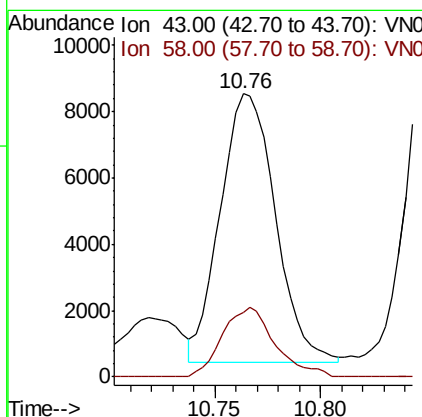
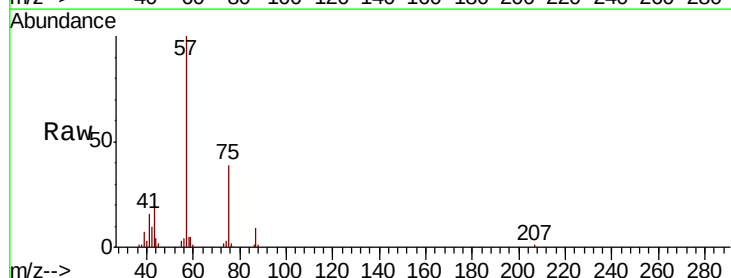
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#11

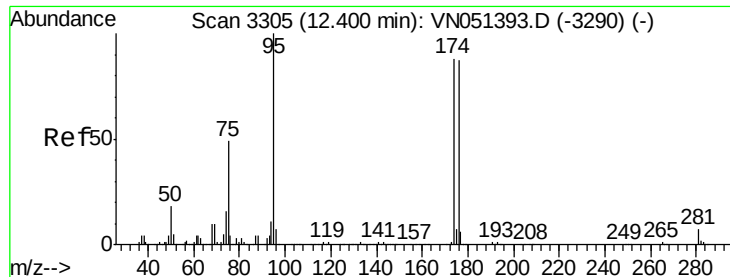
Tgt Ion: 43 Resp: 2187
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.5 47.3



#59
 2-Hexanone
 Concen: 3.474 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN051440.D
 Acq: 24 Sep 2018 3:03

Tgt Ion: 43 Resp: 14600
 Ion Ratio Lower Upper
 43 100
 58 24.8 27.7 83.0#

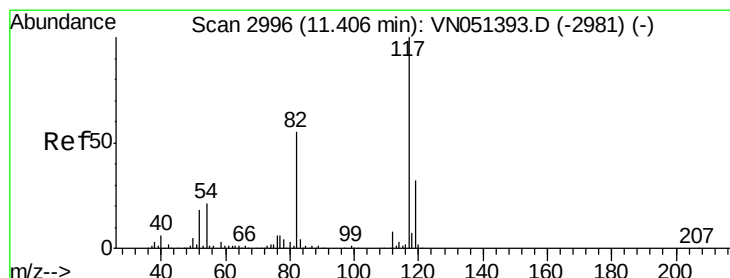
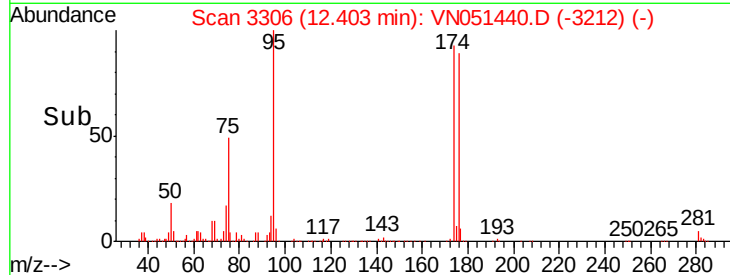
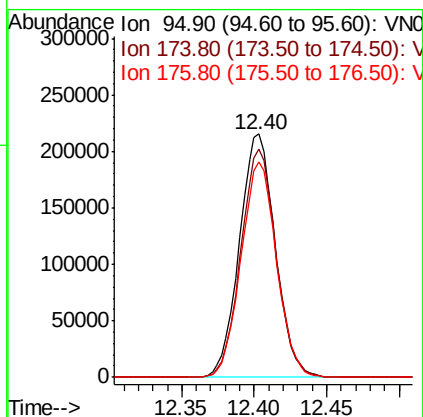
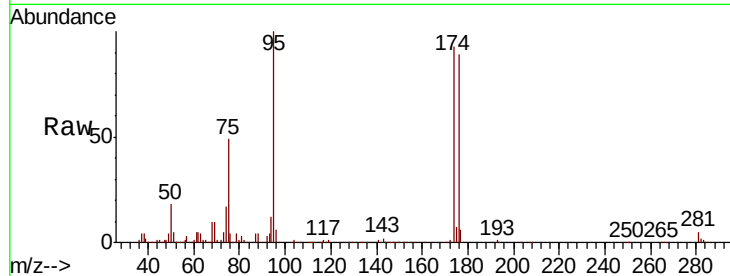




#62
 4-Bromofluorobenzene
 Concen: 38.773 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051440.D
 Acq: 24 Sep 2018 3:03

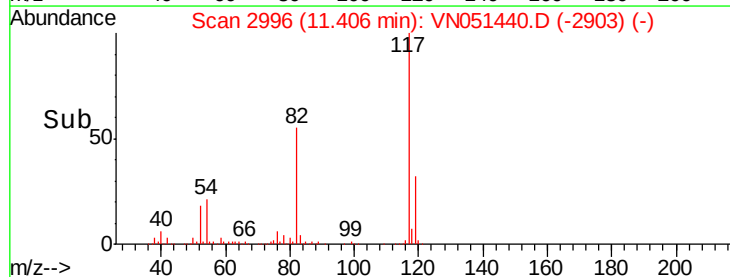
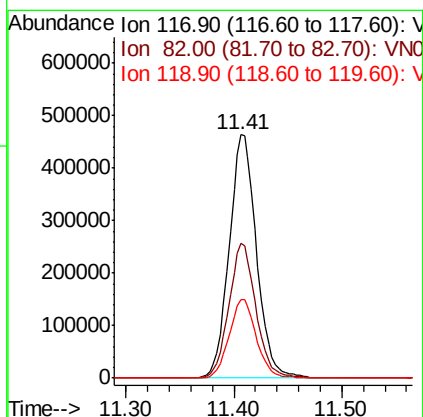
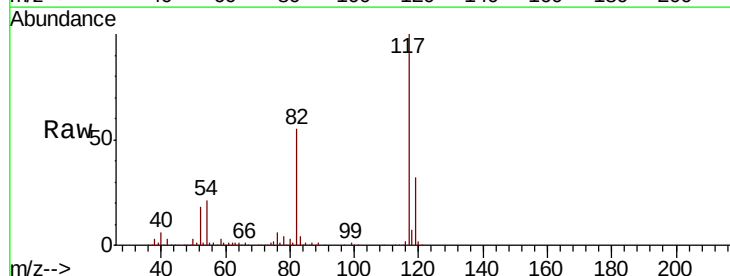
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#11

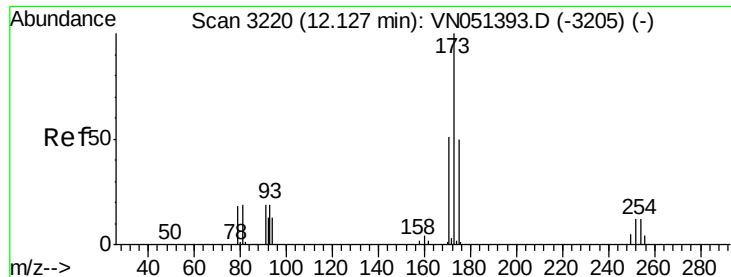
Tgt Ion:	95	Resp:	369747
Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	181.6
176	88.0	0.0	176.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN051440.D
 Acq: 24 Sep 2018 3:03

Tgt Ion:	117	Resp:	818503
Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.2	66.2
119	32.2	25.9	38.9





#71

Bromoform

Concen: 0.240 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#11

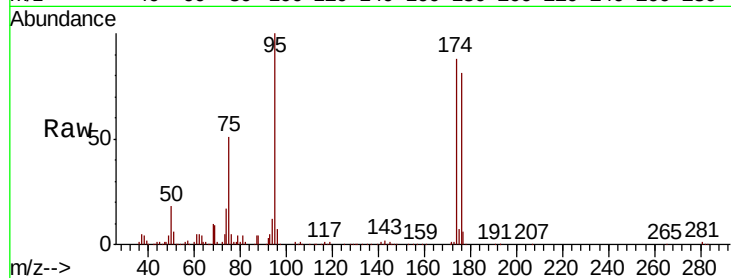
Tgt Ion:173 Resp: 1302

Ion Ratio Lower Upper

173 100

175 1638.0 24.8 74.3#

254 0.0 0.2 0.2#

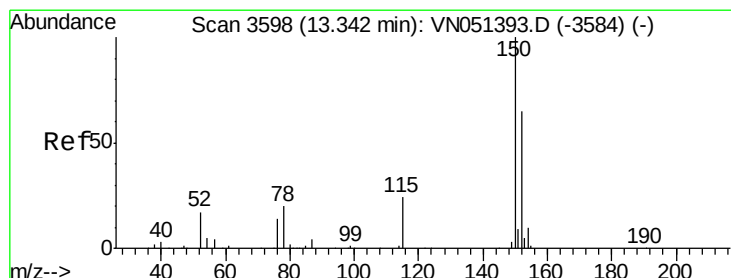
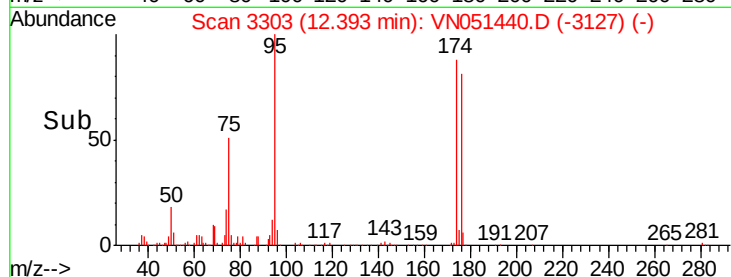
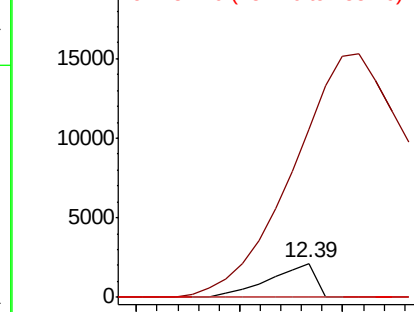


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

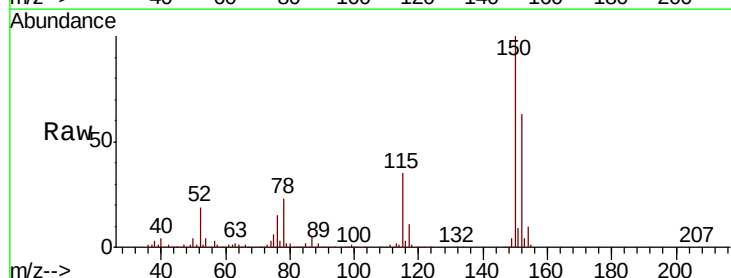
Tgt Ion:152 Resp: 301280

Ion Ratio Lower Upper

152 100

115 56.5 28.3 84.9

150 158.5 0.0 353.6

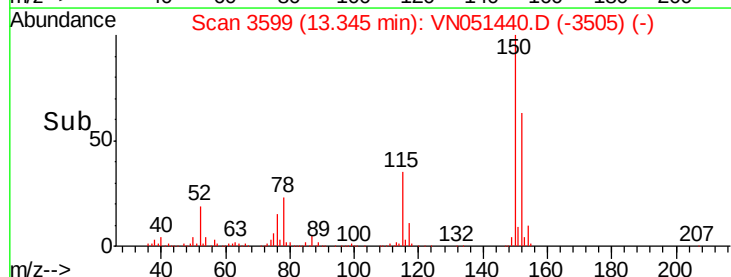
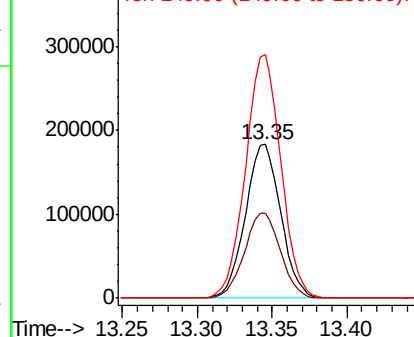


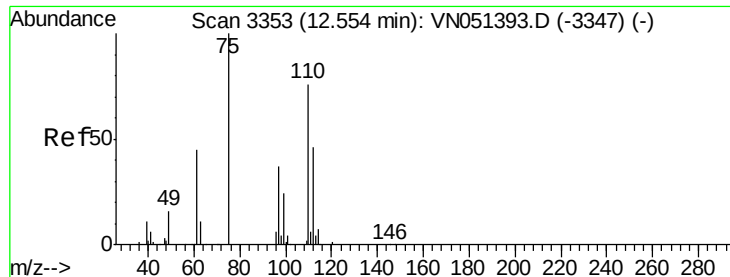
Abundance

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: 36.270 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

Instrument :

MSVOA_N

ClientSampleId :

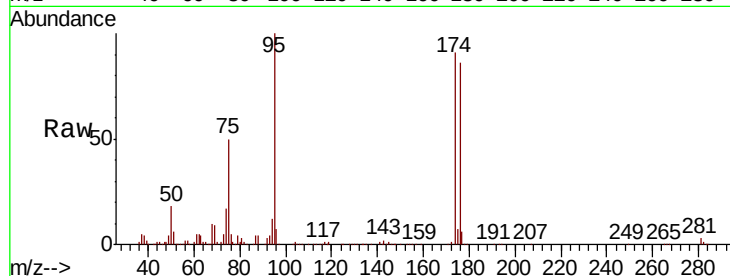
PB113124ZHE#11

Tgt Ion: 75 Resp: 181401

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

60000

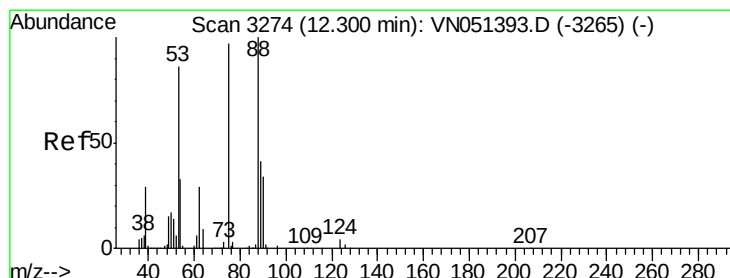
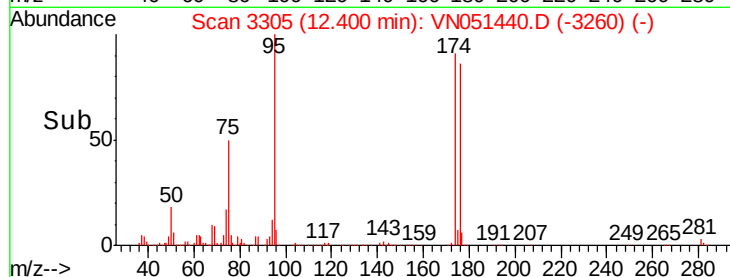
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.527 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051440.D

Acq: 24 Sep 2018 3:03

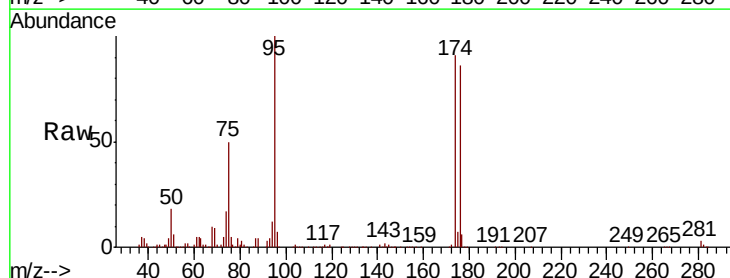
Tgt Ion: 75 Resp: 181401

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

50000

0

12.35 12.40 12.45

Time-->

