

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051436.D
 Acq On : 24 Sep 2018 1:24
 Operator : MD\SY
 Sample : PB113124ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#07

Quant Time: Sep 24 06:51:01 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	624588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299555	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	423583	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	
35) Dibromofluoromethane	7.59	113	379935	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
50) Toluene-d8	10.09	98	1340970	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.56%	
62) 4-Bromofluorobenzene	12.40	95	365852	38.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.22%	

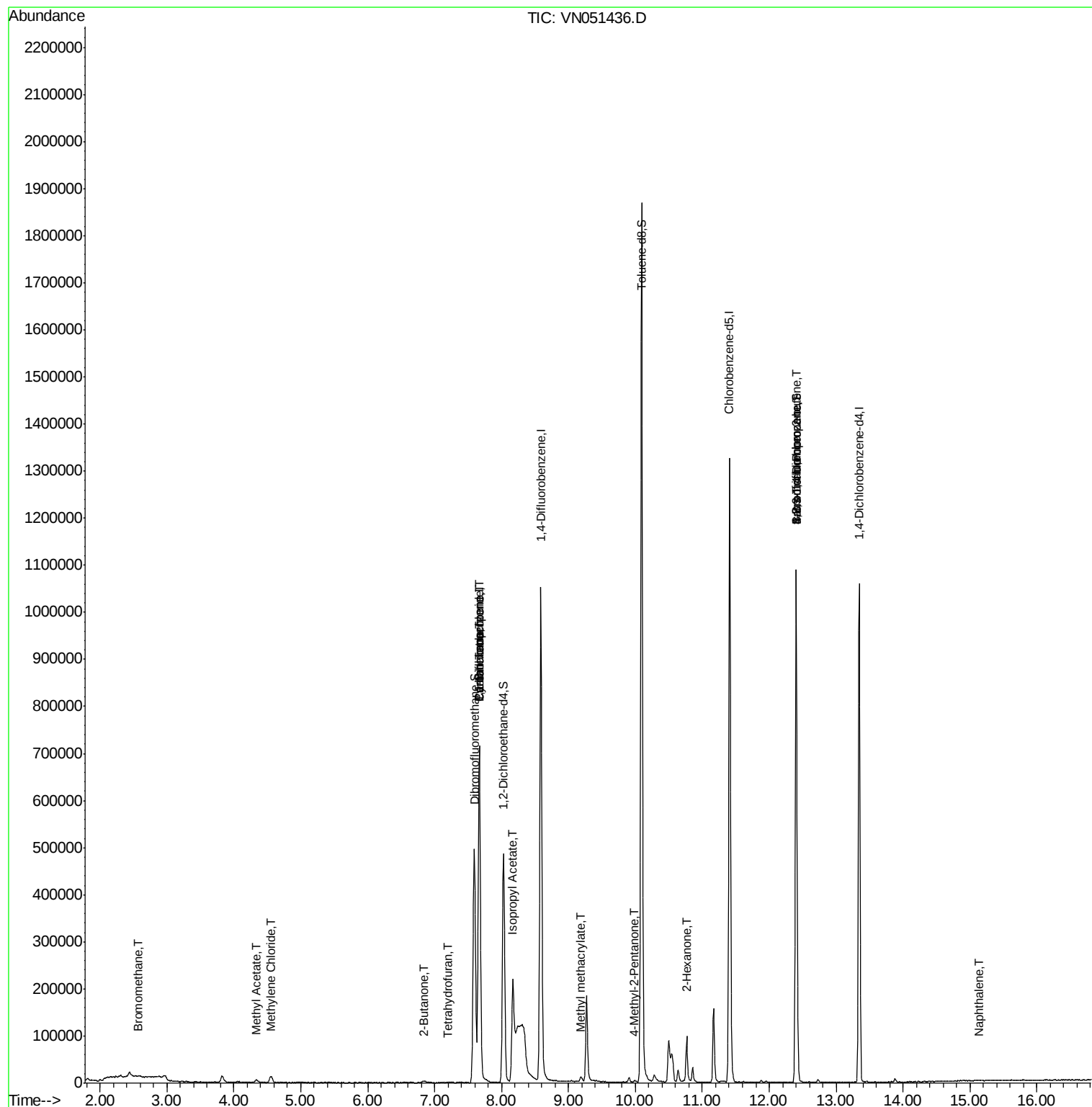
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1627	0.324	ug/l	83
8) Diethyl Ether	3.42	74	31	Below Cal	#	1
16) Acetone	3.82	43	20972	Below Cal		94
18) Methyl Acetate	4.34	43	13237	2.221	ug/l #	63
20) Methylene Chloride	4.55	84	9728	1.256	ug/l	91
25) 2-Butanone	6.84	43	4551	1.699	ug/l #	89
29) Tetrahydrofuran	7.20	42	633	0.373	ug/l #	52
31) Cyclohexane	7.67	56	11107	0.902	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42644	3.786	ug/l #	47
38) Carbon Tetrachloride	7.67	117	54221	4.602	ug/l #	17
43) Isopropyl Acetate	8.17	43	277949	23.735	ug/l #	91
48) Methyl methacrylate	9.18	41	4875	0.835	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	2072	0.322	ug/l #	80
59) 2-Hexanone	10.77	43	15071	3.610	ug/l #	55
71) Bromoform	12.40	173	2258	0.420	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	181876	36.574	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181876	112.463	ug/l #	13
95) Naphthalene	15.13	128	211	8.060	ug/l #	69

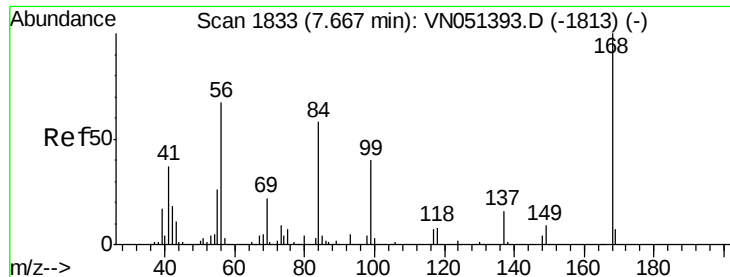
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051436.D

Acq: 24 Sep 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

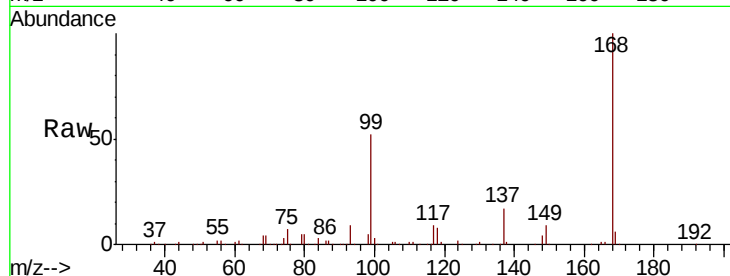
PB113124ZHE#07

Tgt Ion:168 Resp: 624588

Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051436.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051436.D (-1740) (-)

7.67

250000

200000

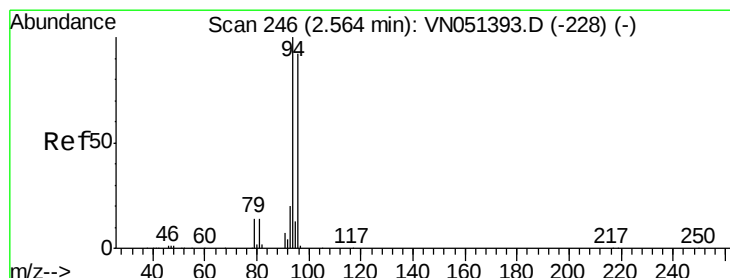
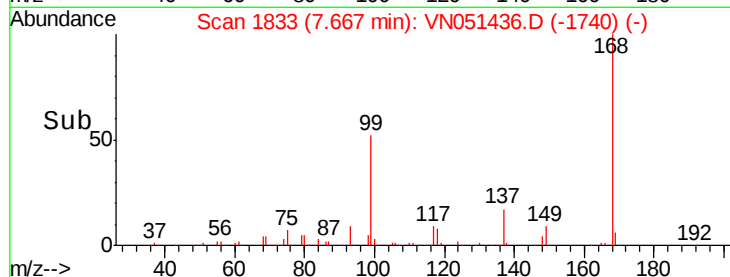
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.324 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051436.D

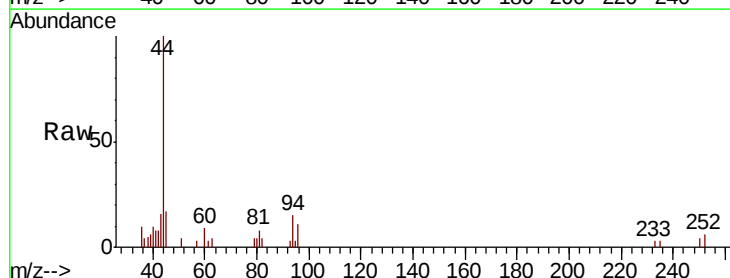
Acq: 24 Sep 2018 1:24

Tgt Ion: 94 Resp: 1627

Ion Ratio Lower Upper

94 100

96 76.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051436.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051436.D (-153) (-)

2.57

800

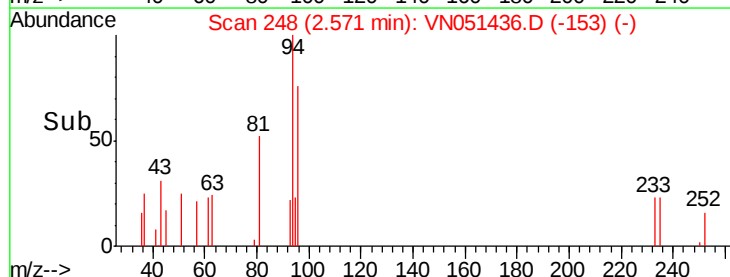
600

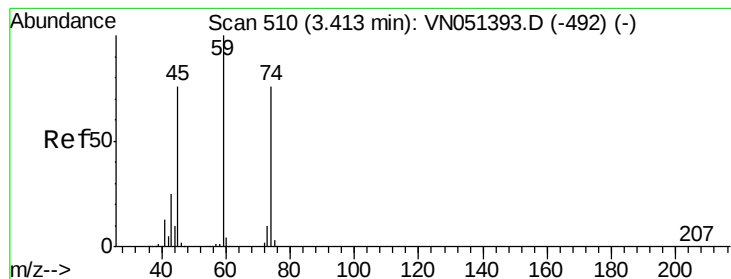
400

200

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN051436.D

Acq: 24 Sep 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

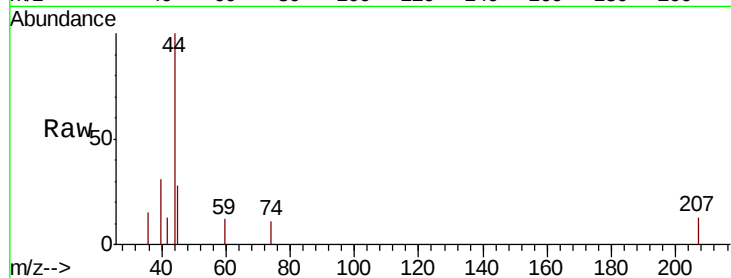
PB113124ZHE#07

Tgt Ion: 74 Resp: 31

Ion Ratio Lower Upper

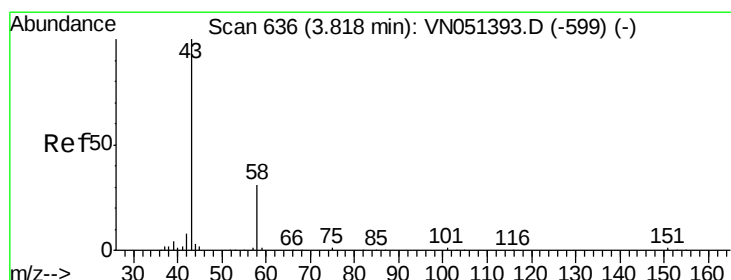
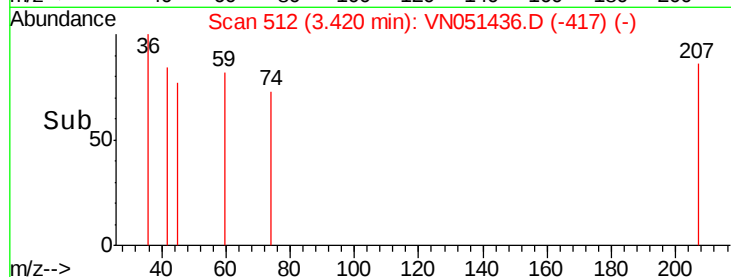
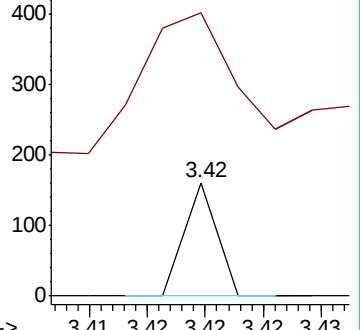
74 100

45 358.1 50.2 150.7#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051436.D

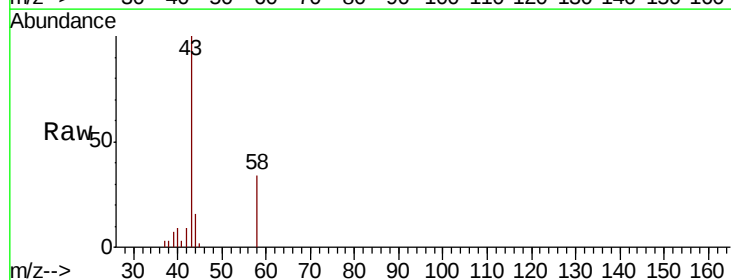
Acq: 24 Sep 2018 1:24

Tgt Ion: 43 Resp: 20972

Ion Ratio Lower Upper

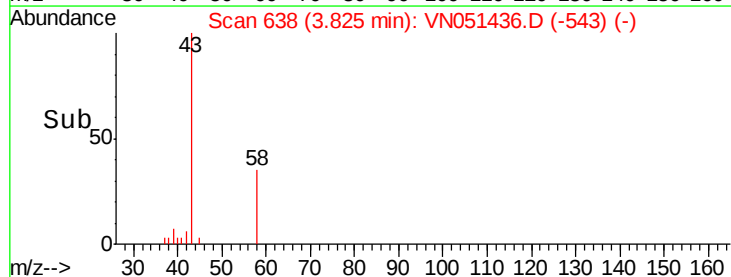
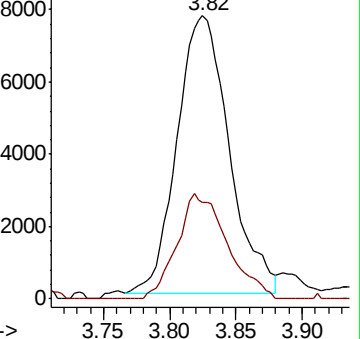
43 100

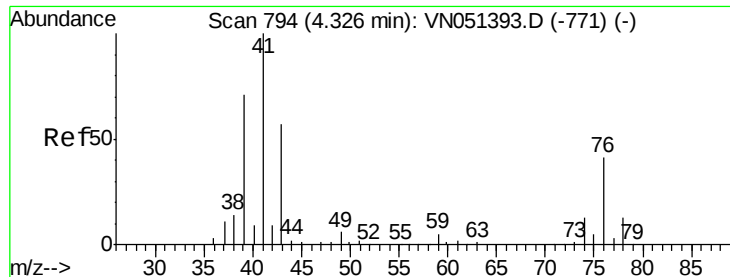
58 34.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

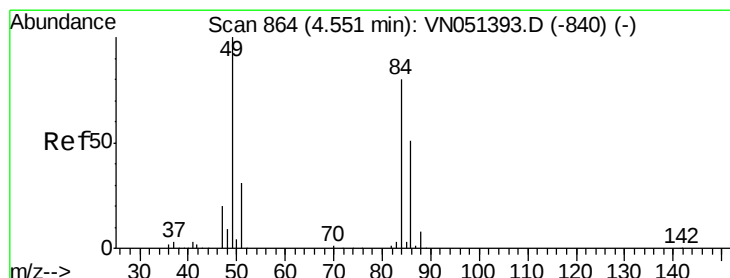
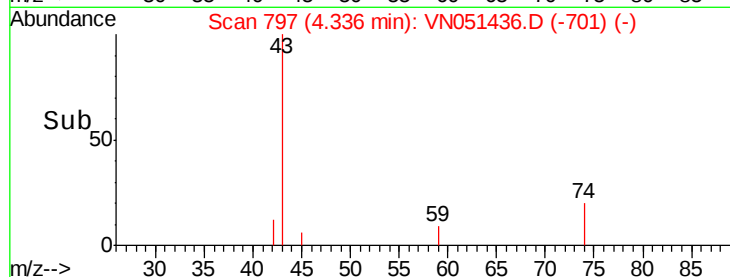
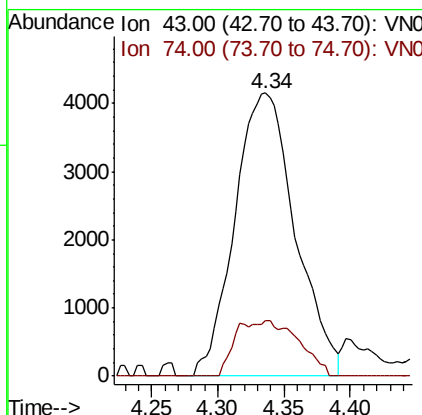
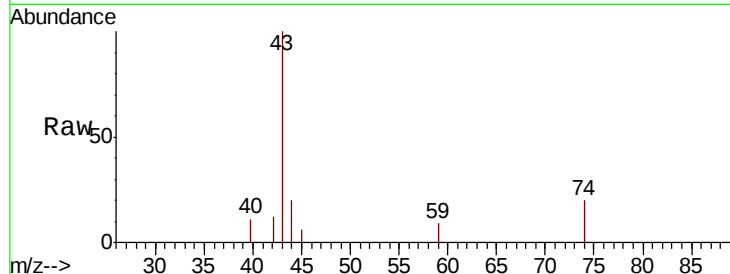




#18
Methyl Acetate
Concen: 2.221 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

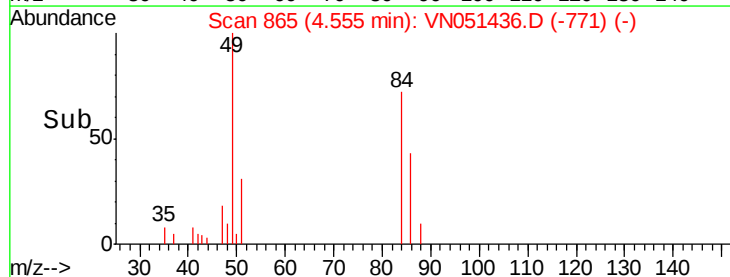
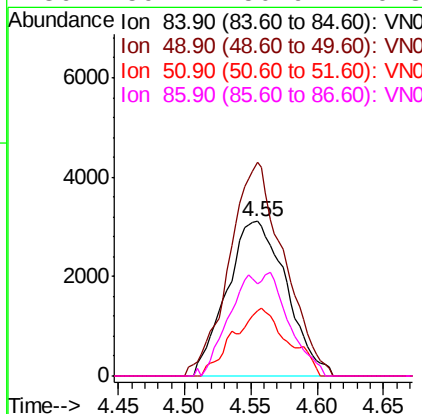
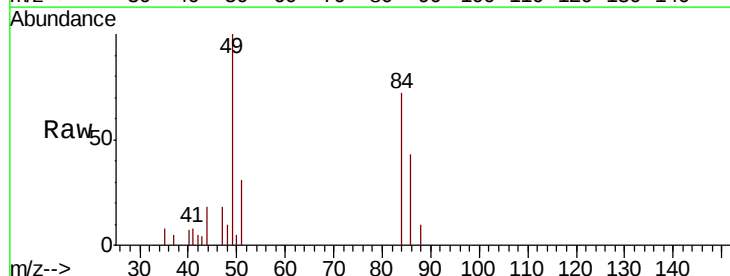
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#07

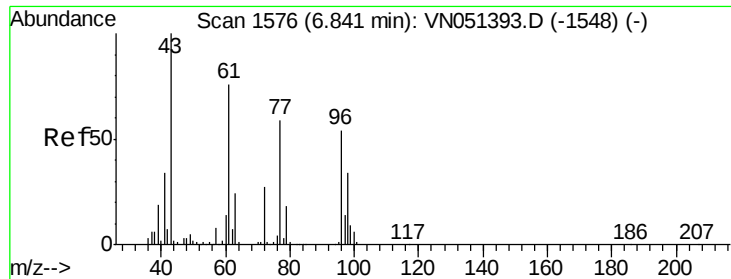
Tgt Ion: 43 Resp: 13237
Ion Ratio Lower Upper
43 100
74 5.5 18.8 28.2#



#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

Tgt Ion: 84 Resp: 9728
Ion Ratio Lower Upper
84 100
49 138.4 99.9 149.9
51 42.7 31.4 47.2
86 59.7 50.9 76.3

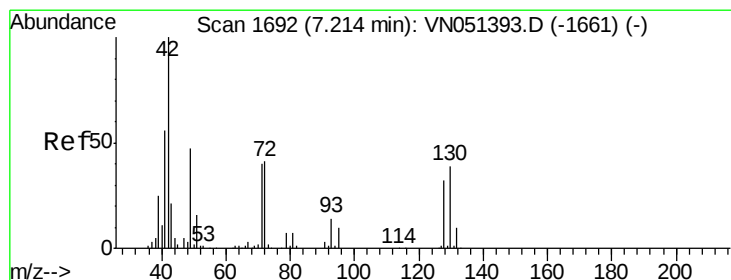
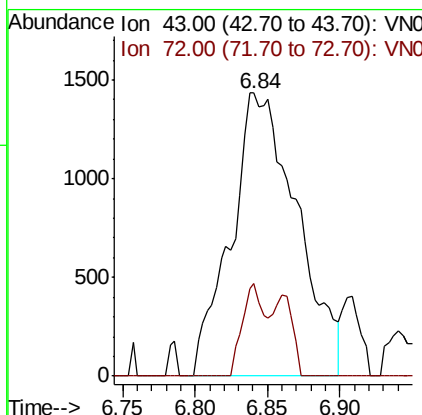
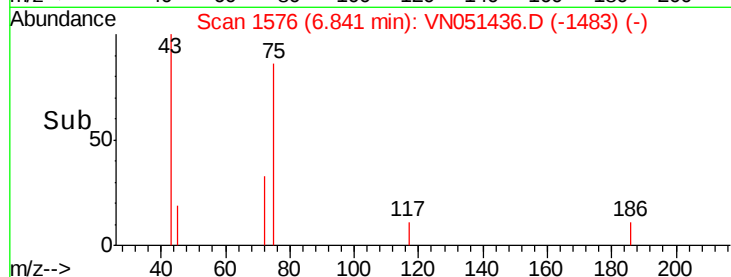
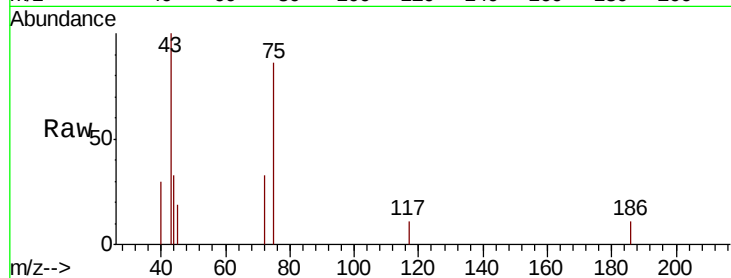




#25
2-Butanone
Concen: 1.699 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

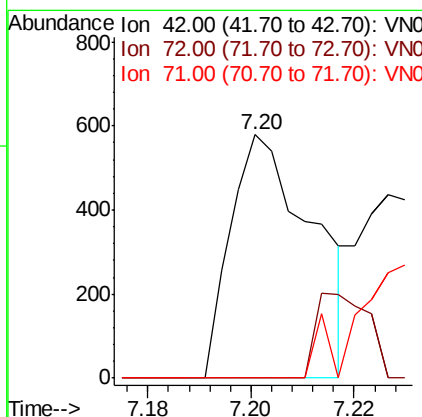
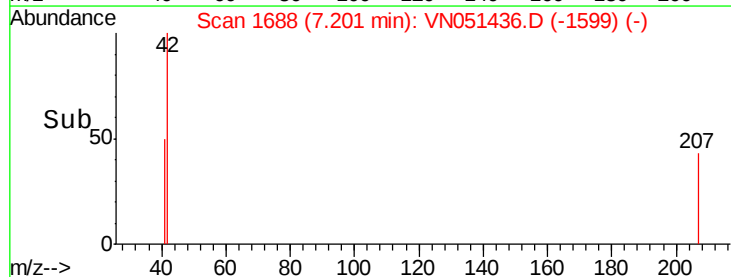
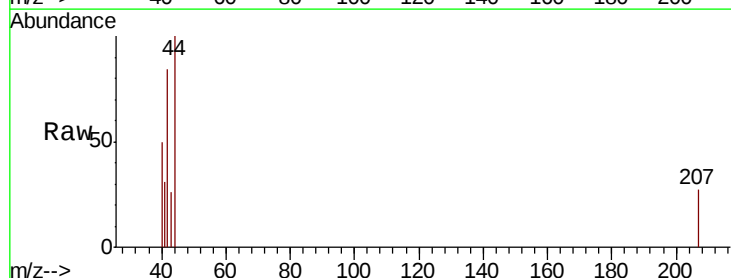
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#07

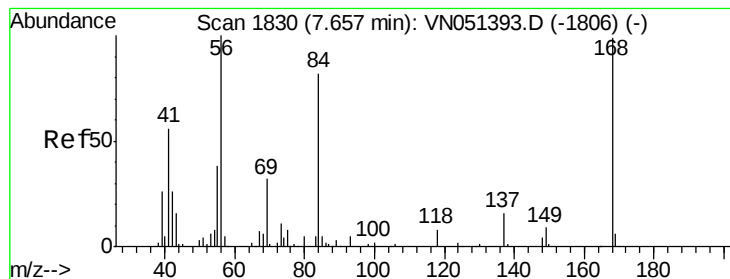
Tgt Ion: 43 Resp: 4551
Ion Ratio Lower Upper
43 100
72 32.7 21.8 32.6#



#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

Tgt Ion: 42 Resp: 633
Ion Ratio Lower Upper
42 100
72 22.1 34.3 51.5#
71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 0.902 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051436.D

Acq: 24 Sep 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#07

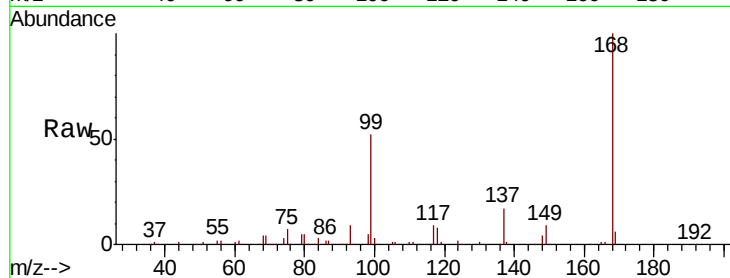
Tgt Ion: 56 Resp: 11107

Ion Ratio Lower Upper

56 100

69 207.8 25.8 38.6#

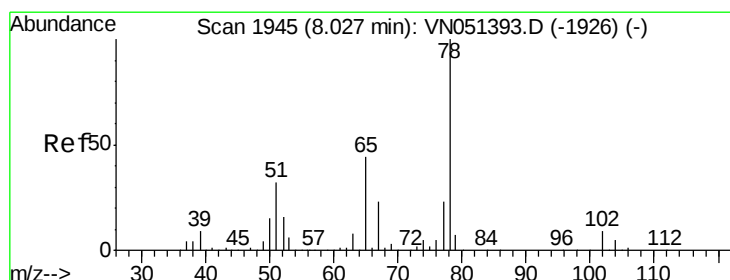
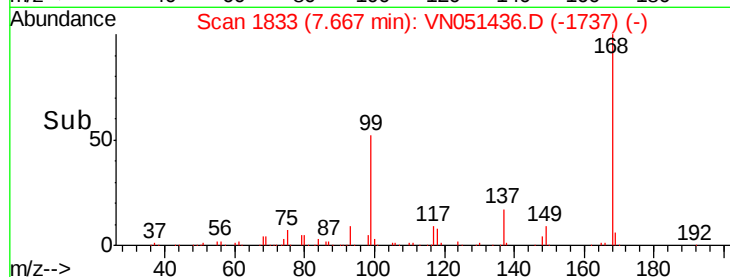
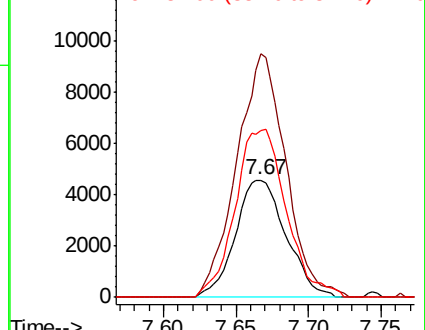
84 142.3 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.138 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051436.D

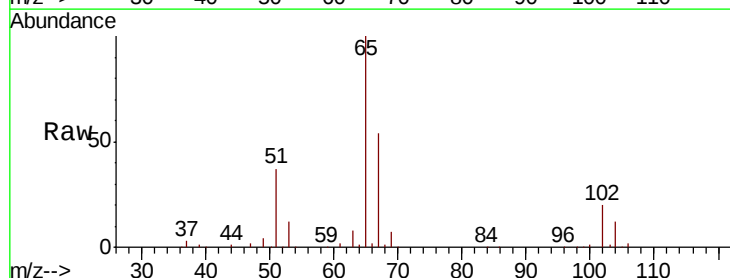
Acq: 24 Sep 2018 1:24

Tgt Ion: 65 Resp: 423583

Ion Ratio Lower Upper

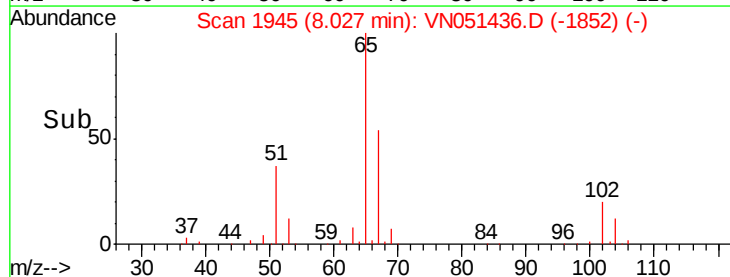
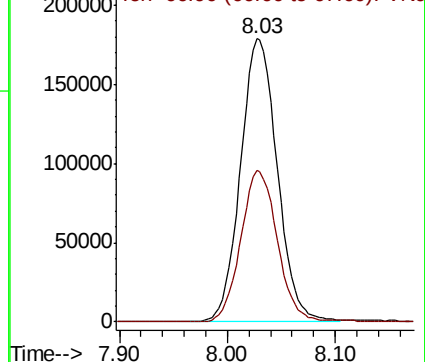
65 100

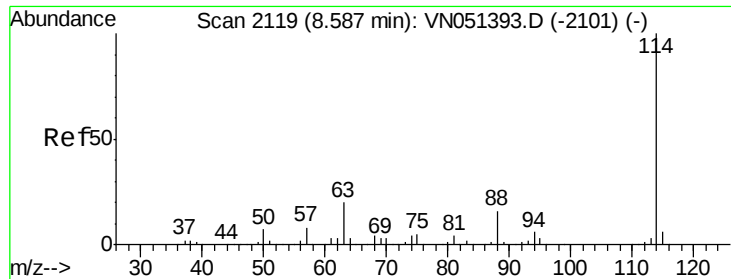
67 53.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

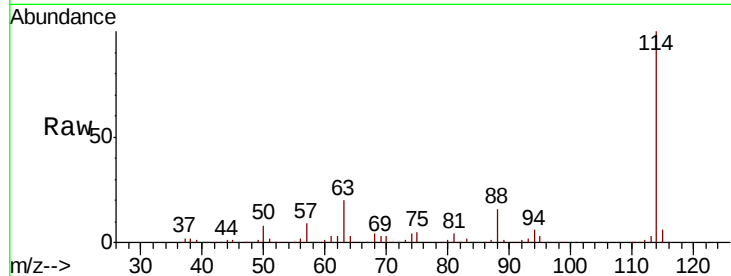




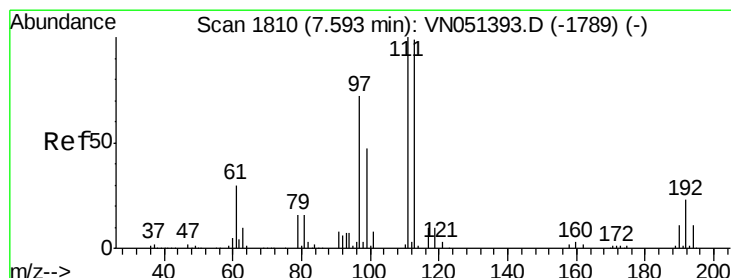
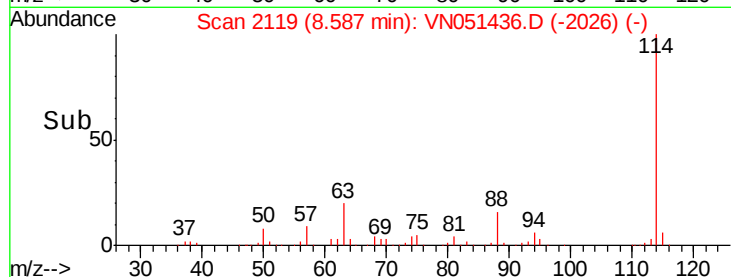
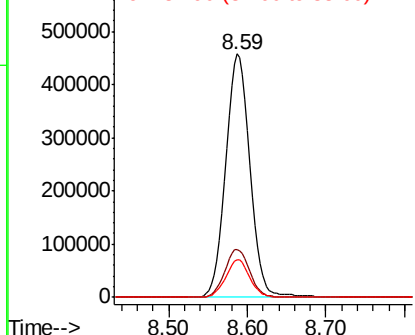
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051436.D
 Acq: 24 Sep 2018 1:24

Instrument :
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Tgt Ion:114 Resp: 972645
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.2
 88 15.5 0.0 31.4

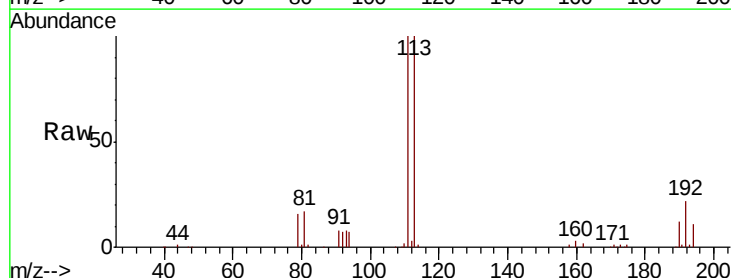


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

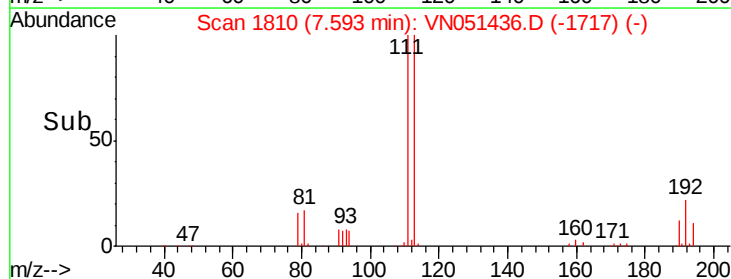
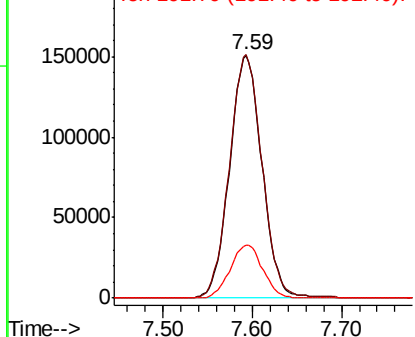


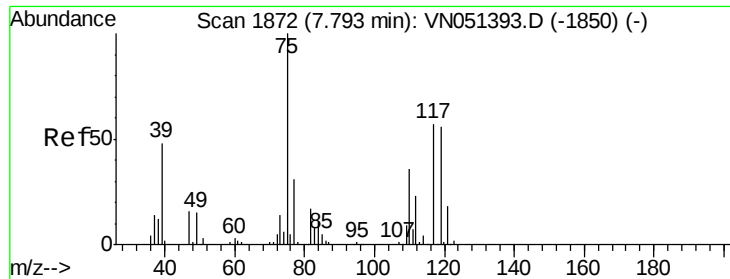
#35
 Dibromofluoromethane
 Concen: 48.849 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051436.D
 Acq: 24 Sep 2018 1:24

Tgt Ion:113 Resp: 379935
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.6 123.8
 192 22.0 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

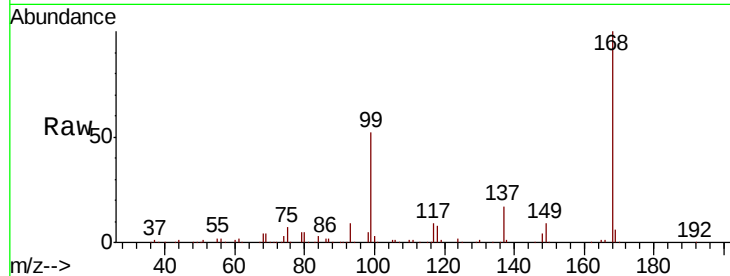




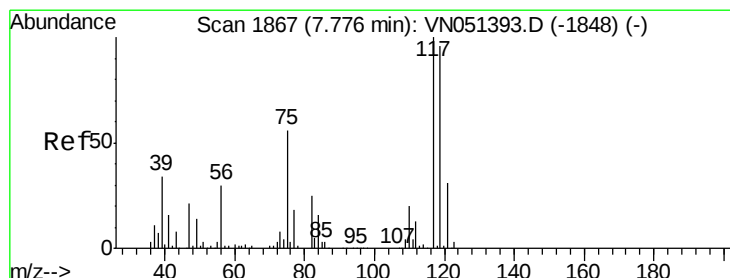
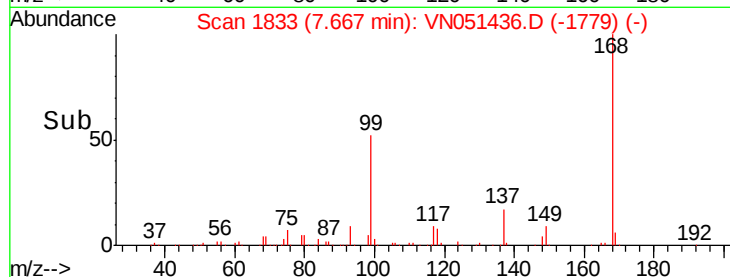
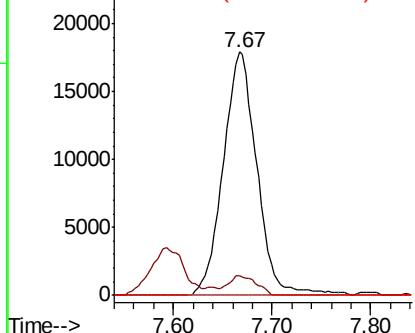
#36
 1,1-Dichloropropene
 Concen: 3.786 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051436.D
 Acq: 24 Sep 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#07

Tgt Ion: 75 Resp: 42644
 Ion Ratio Lower Upper
 75 100
 110 6.8 18.1 54.3#
 77 0.0 25.6 38.4#

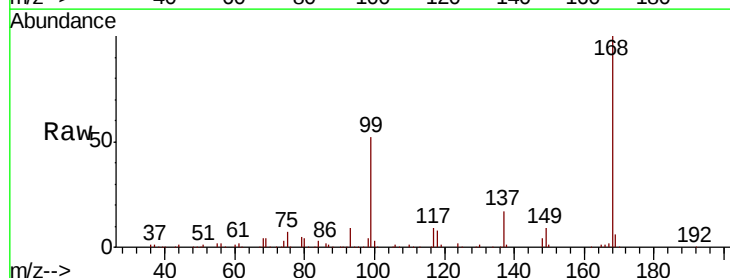


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

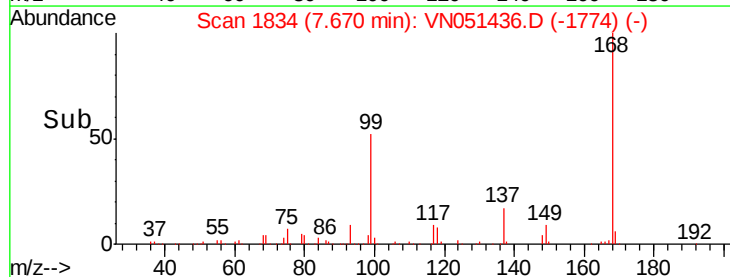
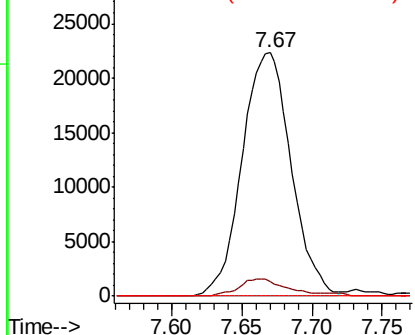


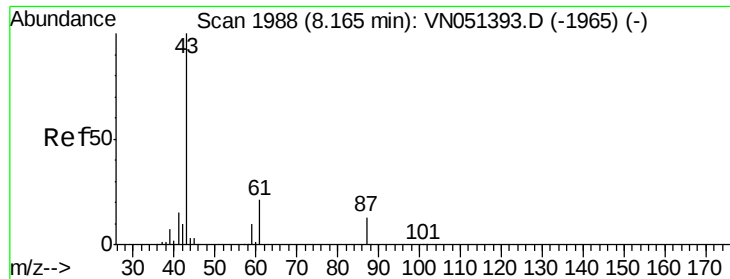
#38
 Carbon Tetrachloride
 Concen: 4.602 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN051436.D
 Acq: 24 Sep 2018 1:24

Tgt Ion: 117 Resp: 54221
 Ion Ratio Lower Upper
 117 100
 119 5.9 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: 23.735 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051436.D

Acq: 24 Sep 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#07

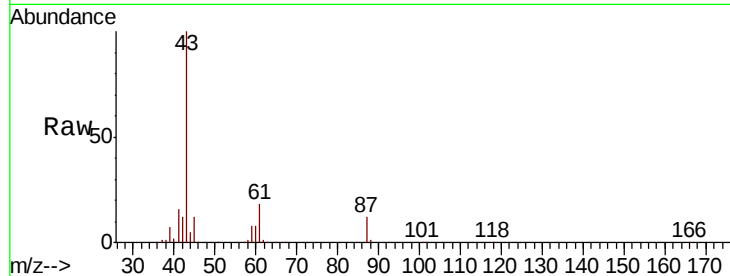
Tgt Ion: 43 Resp: 277949

Ion Ratio Lower Upper

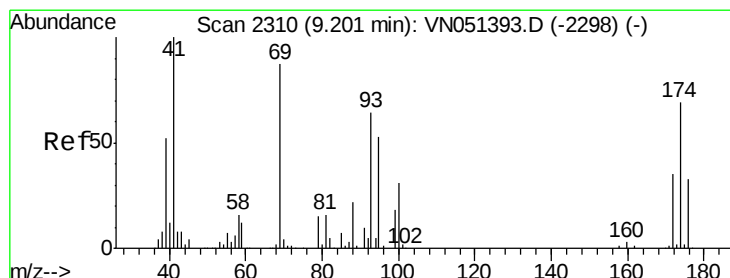
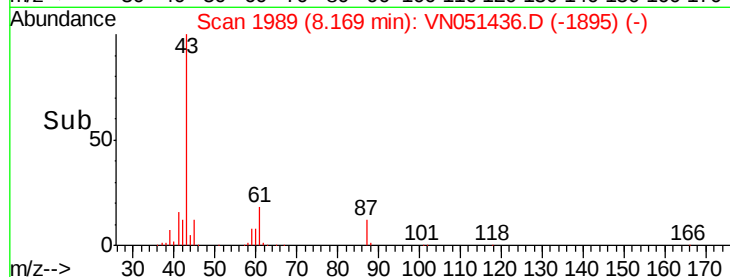
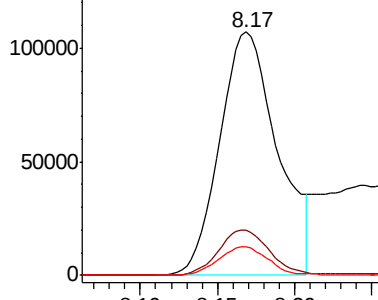
43 100

61 16.6 16.8 25.2#

87 10.3 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 0.835 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051436.D

Acq: 24 Sep 2018 1:24

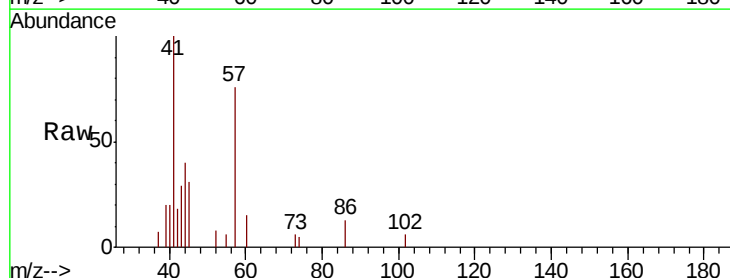
Tgt Ion: 41 Resp: 4875

Ion Ratio Lower Upper

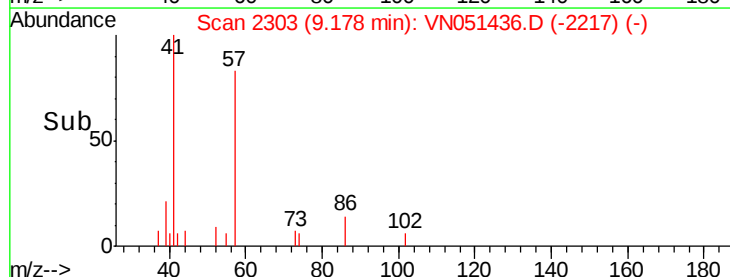
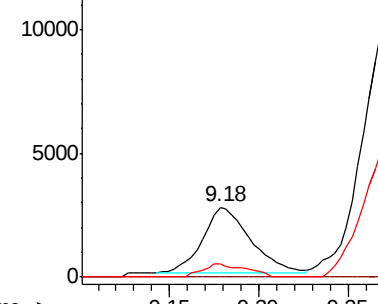
41 100

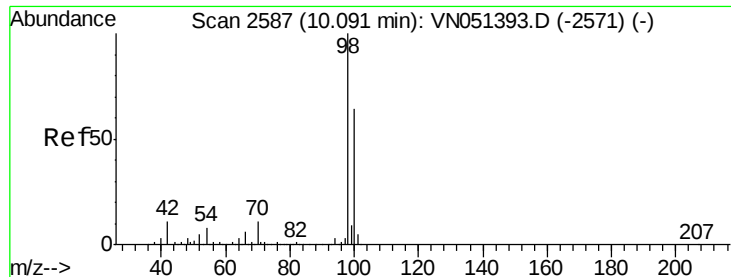
69 0.0 70.4 105.6#

39 18.8 43.8 65.8#



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





#50

Toluene-d8

Concen: 45.785 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051436.D

Acq: 24 Sep 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

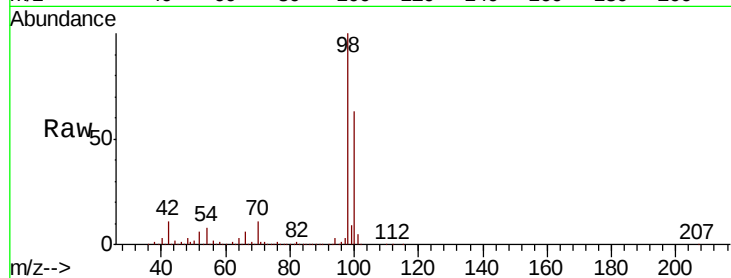
PB113124ZHE#07

Tgt Ion: 98 Resp: 1340970

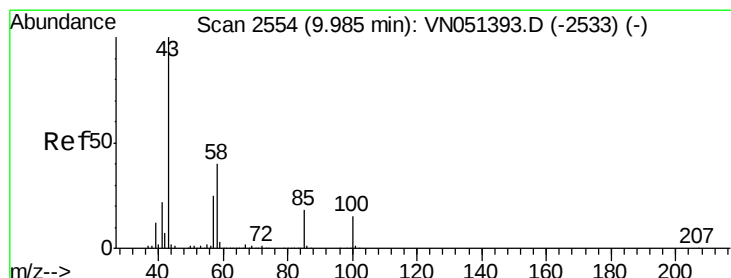
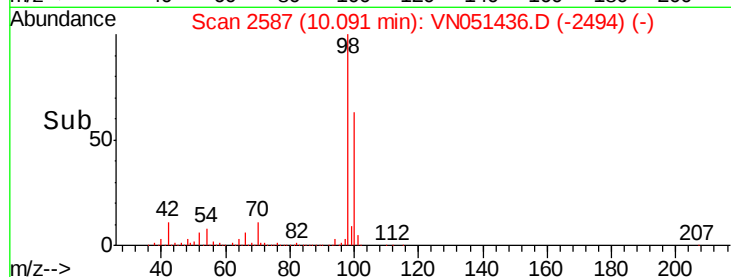
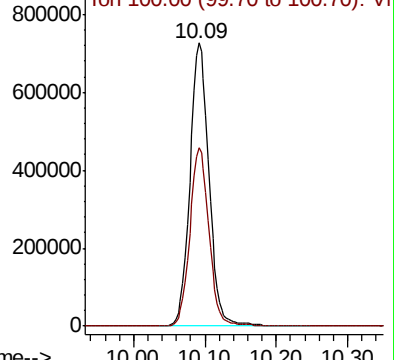
Ion Ratio Lower Upper

98 100

100 63.3 50.6 75.8



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



#51

4-Methyl-2-Pentanone

Concen: 0.322 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051436.D

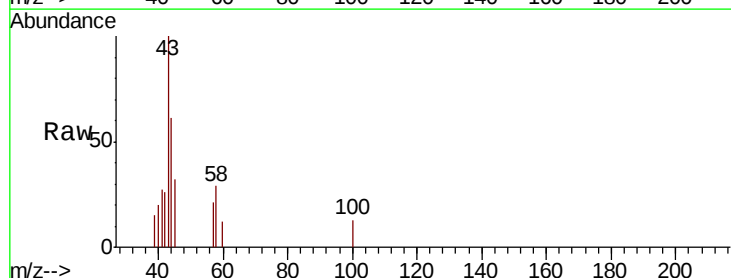
Acq: 24 Sep 2018 1:24

Tgt Ion: 43 Resp: 2072

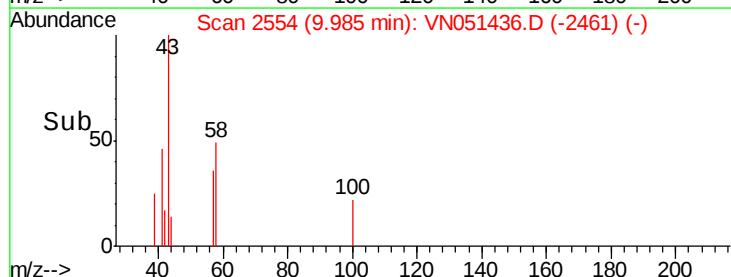
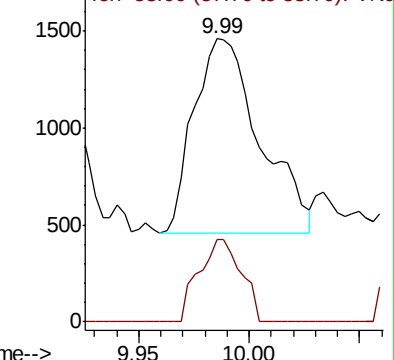
Ion Ratio Lower Upper

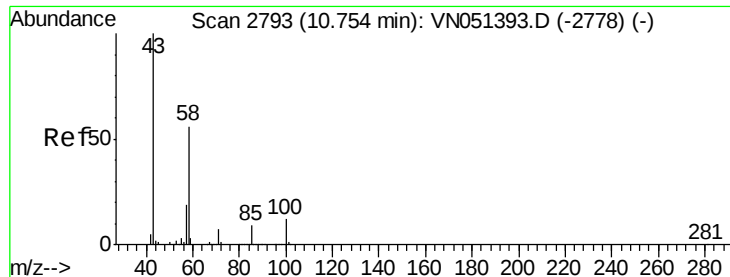
43 100

58 27.4 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-2533) (-)

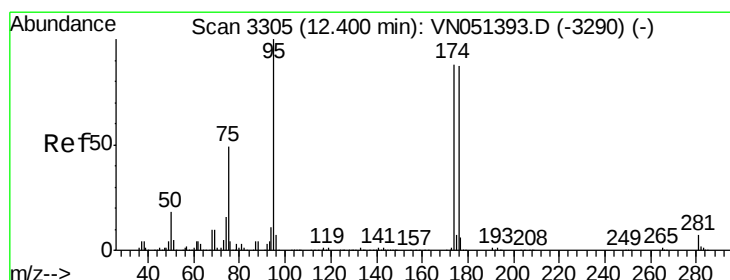
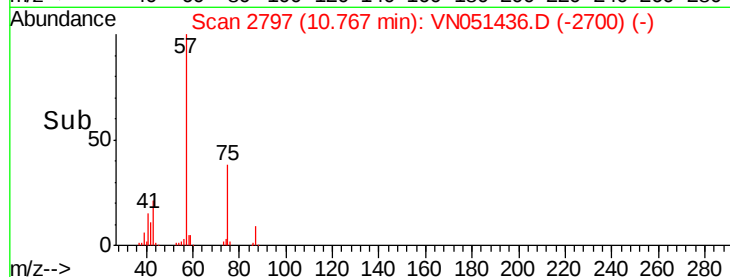
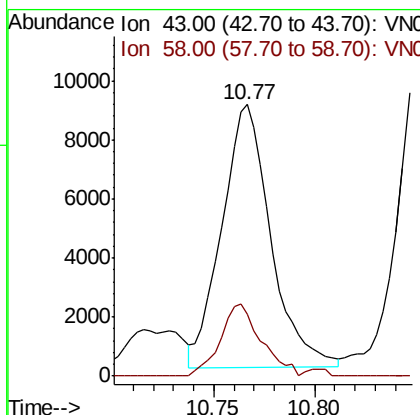
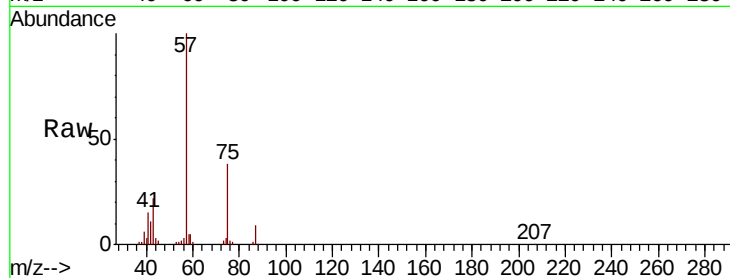




#59
2-Hexanone
Concen: 3.610 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

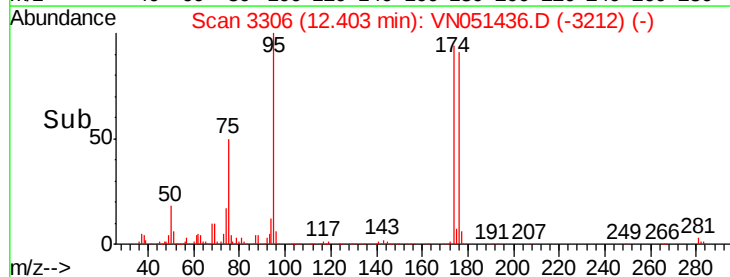
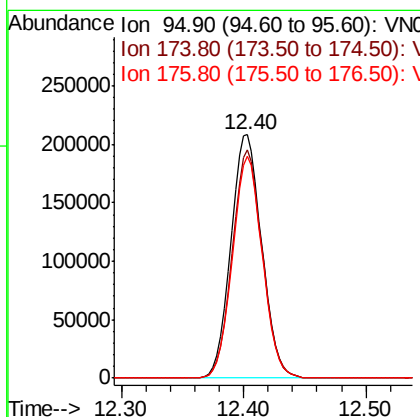
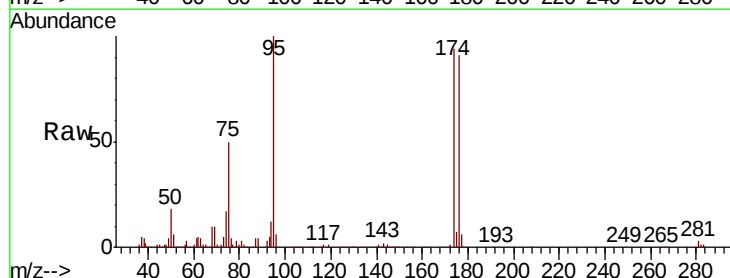
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#07

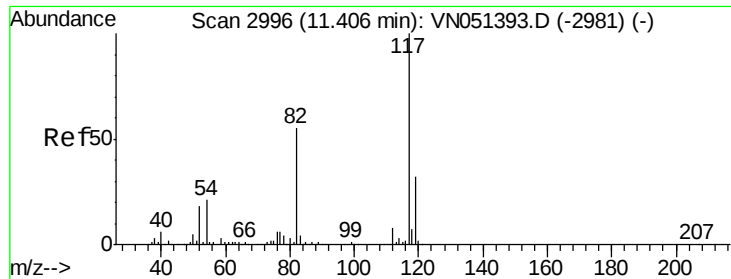
Tgt Ion: 43 Resp: 15071
Ion Ratio Lower Upper
43 100
58 22.9 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 38.613 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

Tgt Ion: 95 Resp: 365852
Ion Ratio Lower Upper
95 100
174 91.2 0.0 181.6
176 88.1 0.0 176.4

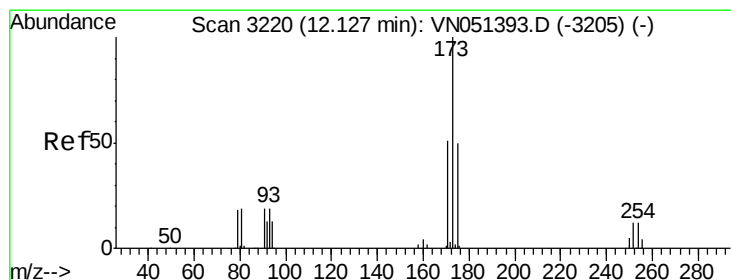
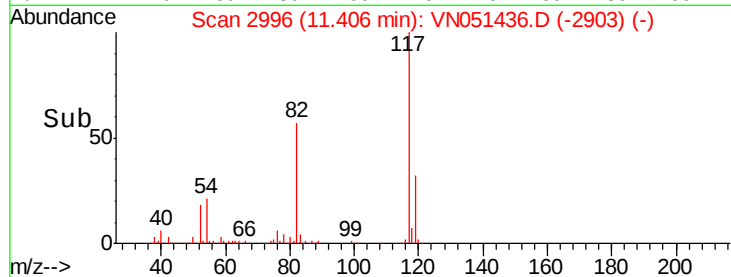
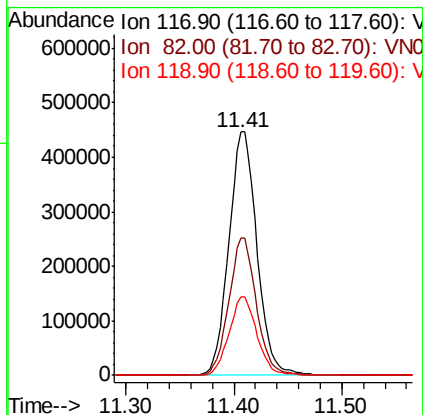
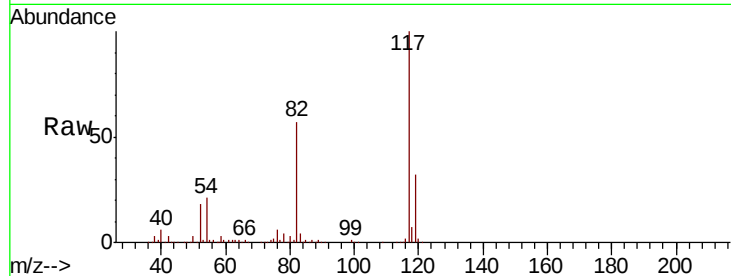




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

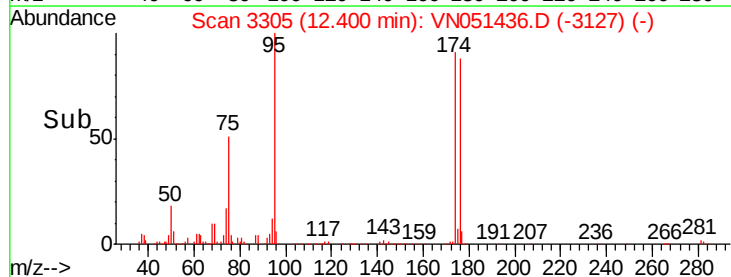
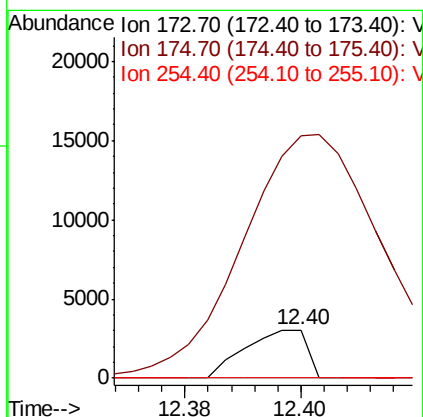
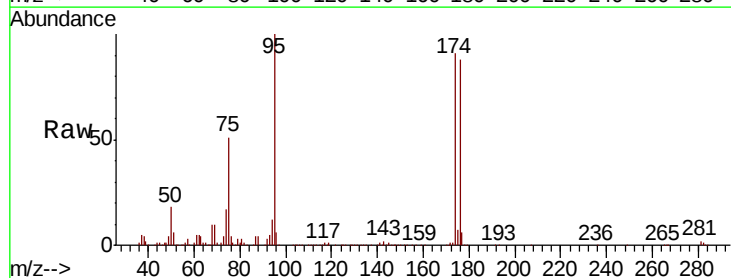
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#07

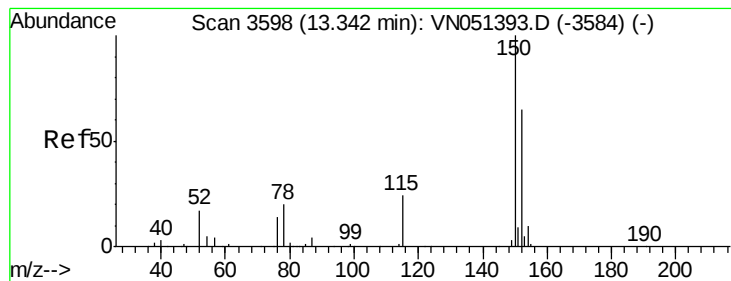
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.2	66.2
119	32.0	25.9	38.9



#71
Bromoform
Concen: 0.420 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	987.8	24.8	74.3#
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051436.D

Acq: 24 Sep 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#07

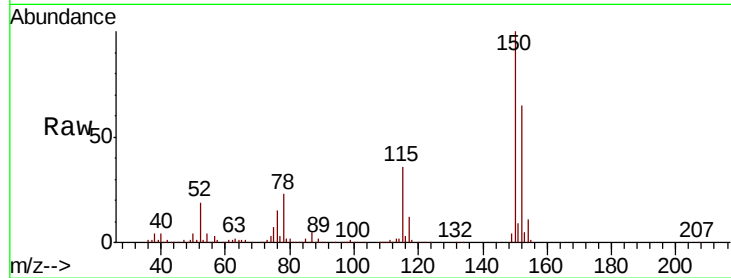
Tgt Ion:152 Resp: 299555

Ion Ratio Lower Upper

152 100

115 55.8 28.3 84.9

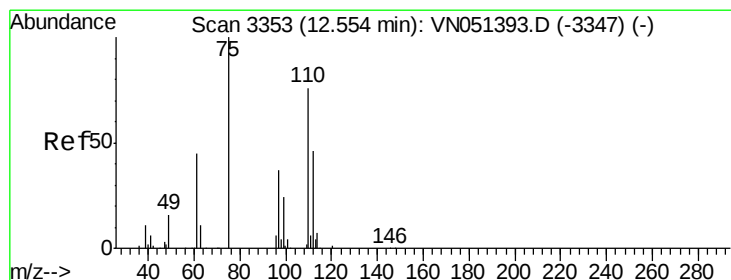
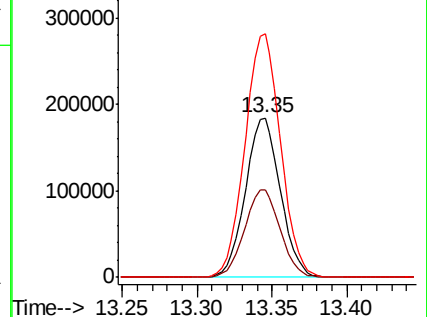
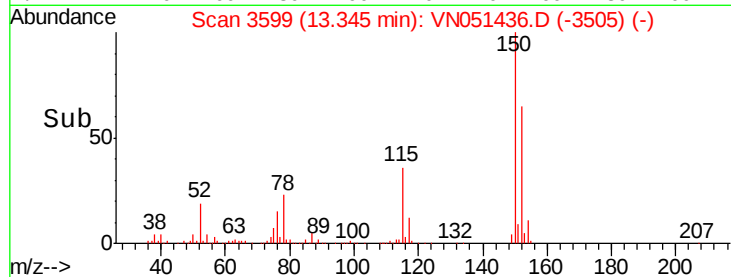
150 155.8 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.574 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051436.D

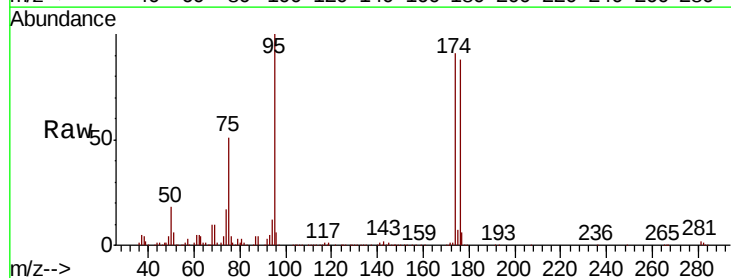
Acq: 24 Sep 2018 1:24

Tgt Ion: 75 Resp: 181876

Ion Ratio Lower Upper

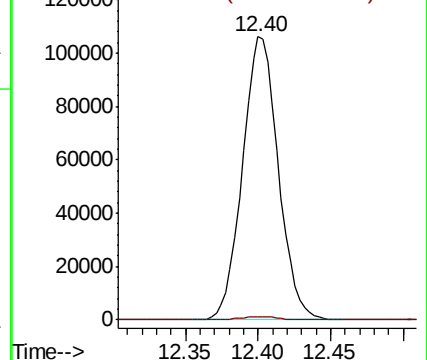
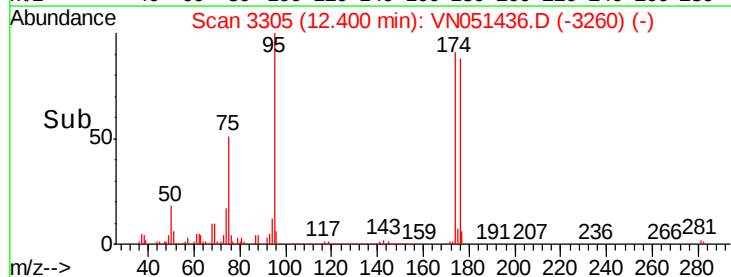
75 100

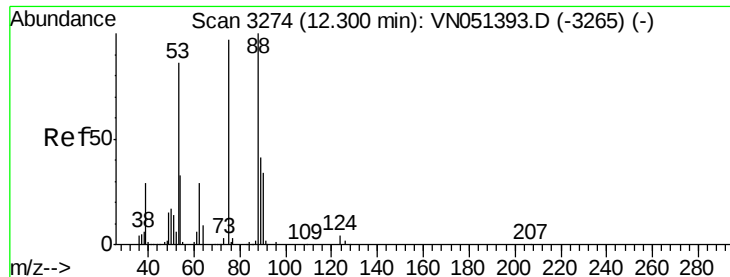
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

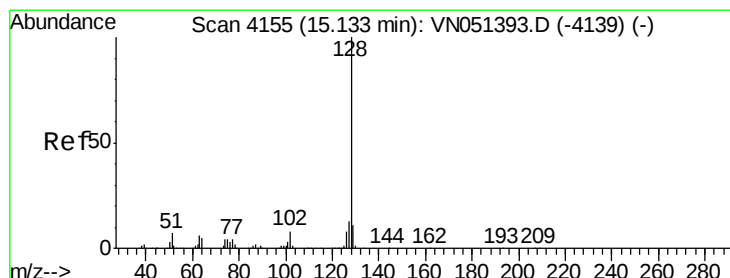
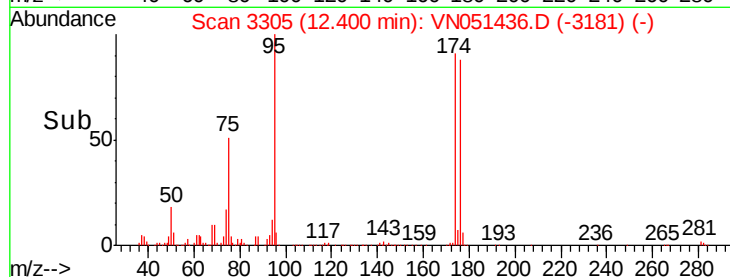
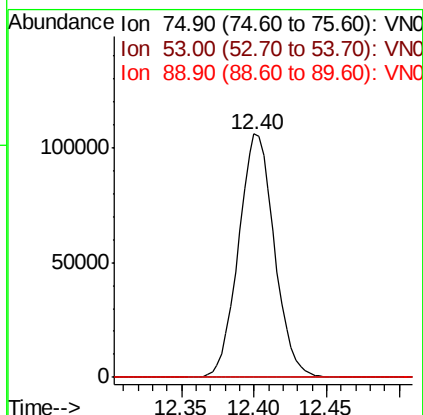
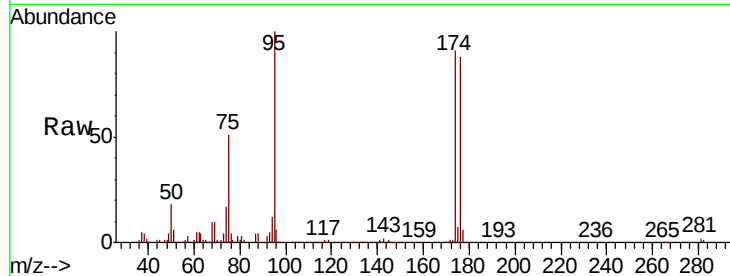




#81
trans-1,4-Dichloro-2-butene
Concen: 112.463 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#07

Tgt Ion: 75 Resp: 181876
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.1 36.7 55.1#



#95
Naphthalene
Concen: 8.060 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051436.D
Acq: 24 Sep 2018 1:24

Tgt Ion: 128 Resp: 211
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#

