

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051434.D
 Acq On : 24 Sep 2018 00:35
 Operator : MD\SY
 Sample : PB113124ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#05

Quant Time: Sep 24 06:50:44 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

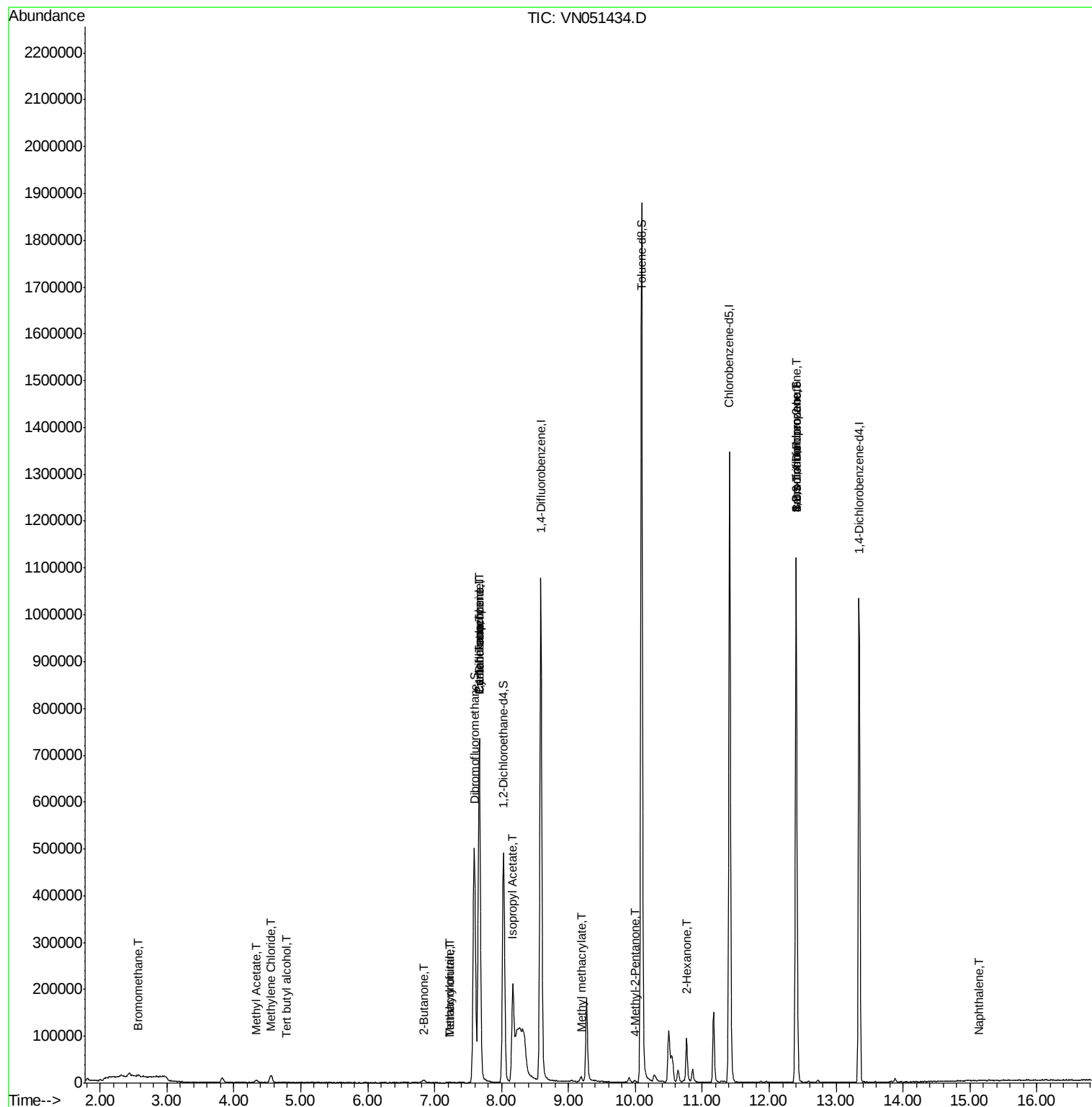
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	297093	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	430437	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.96%	
35) Dibromofluoromethane	7.59	113	382190	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	10.09	98	1361891	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
62) 4-Bromofluorobenzene	12.40	95	374513	38.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.92%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.57	94	1701	0.333	ug/l	96
11) Tert butyl alcohol	4.78	59	157	0.352	ug/l #	78
16) Acetone	3.82	43	18873	Below Cal		99
18) Methyl Acetate	4.34	43	10541	1.752	ug/l	98
20) Methylene Chloride	4.55	84	12462	1.594	ug/l #	89
25) 2-Butanone	6.85	43	4774	1.765	ug/l #	83
29) Tetrahydrofuran	7.23	42	733	0.428	ug/l #	75
31) Cyclohexane	7.66	56	11366	0.914	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42171	3.691	ug/l #	45
38) Carbon Tetrachloride	7.67	117	57293	4.794	ug/l #	16
41) Methacrylonitrile	7.23	41	772	0.212	ug/l #	41
43) Isopropyl Acetate	8.17	43	279626	23.537	ug/l #	91
48) Methyl methacrylate	9.18	41	6038	1.019	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	1971	0.302	ug/l #	87
59) 2-Hexanone	10.76	43	14082	3.325	ug/l #	57
71) Bromoform	12.40	173	2774	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	184105	37.329	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	184105	114.785	ug/l #	12
95) Naphthalene	15.13	128	264	8.064	ug/l #	69

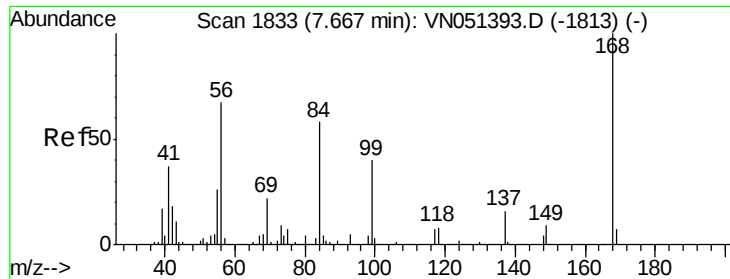
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

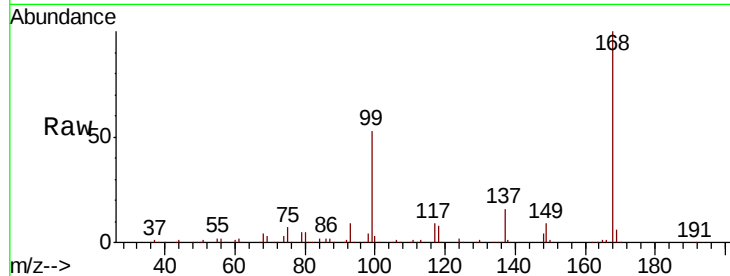
PB113124ZHE#05

Tgt Ion:168 Resp: 630705

Ion Ratio Lower Upper

168 100

99 52.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

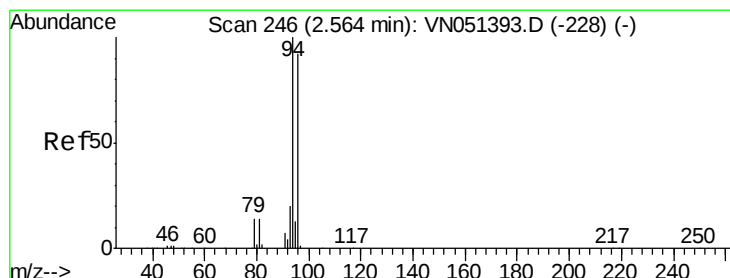
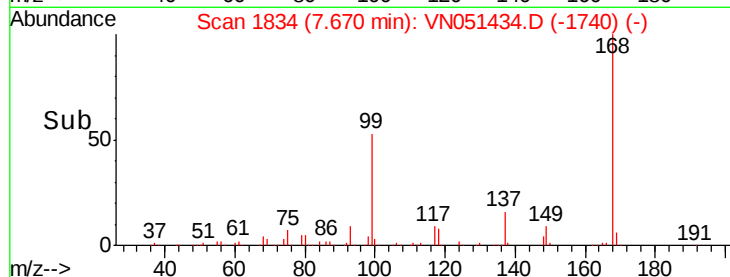
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.333 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051434.D

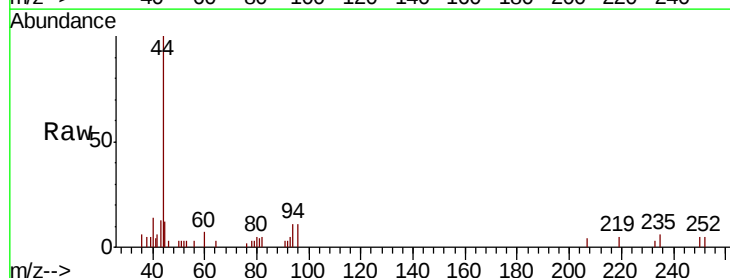
Acq: 24 Sep 2018 00:35

Tgt Ion: 94 Resp: 1701

Ion Ratio Lower Upper

94 100

96 95.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

800

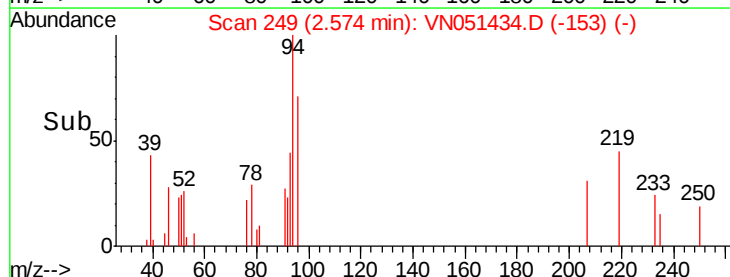
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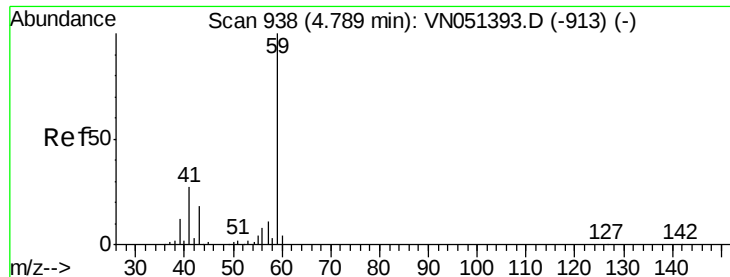
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200

0

Time-->

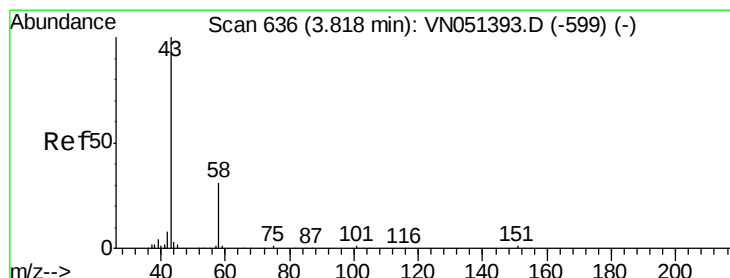
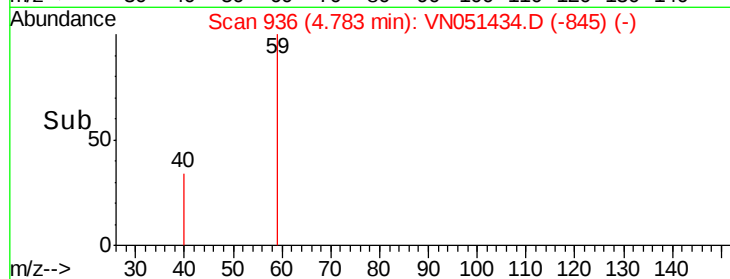
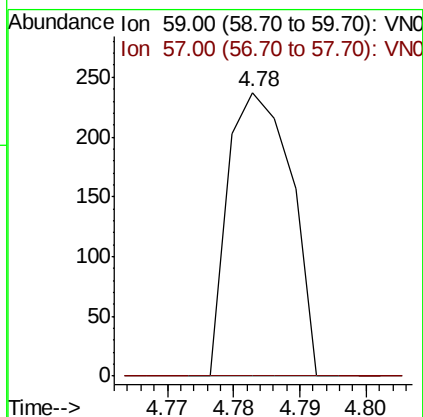
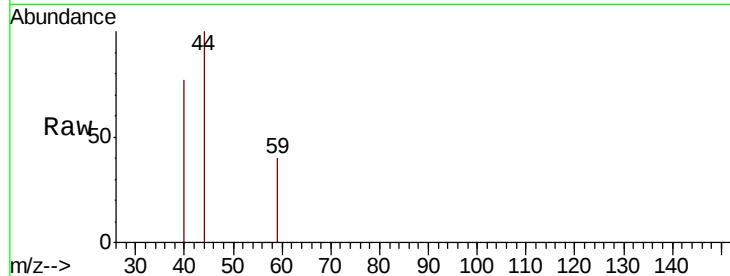




#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

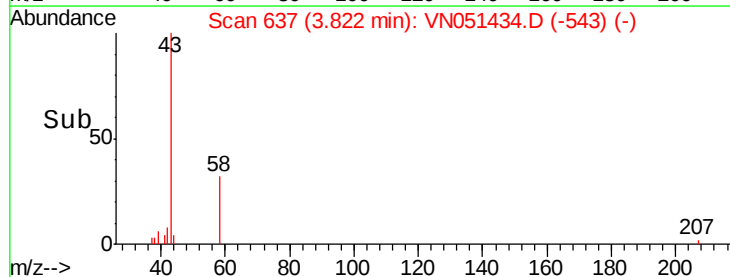
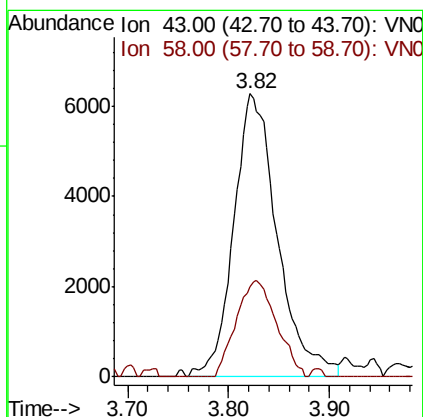
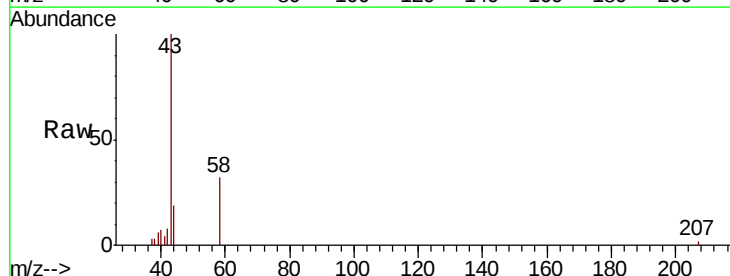
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#05

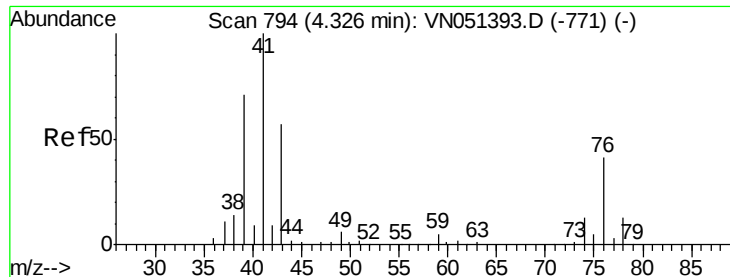
Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

Tgt Ion: 43 Resp: 18873
Ion Ratio Lower Upper
43 100
58 31.7 25.0 37.4

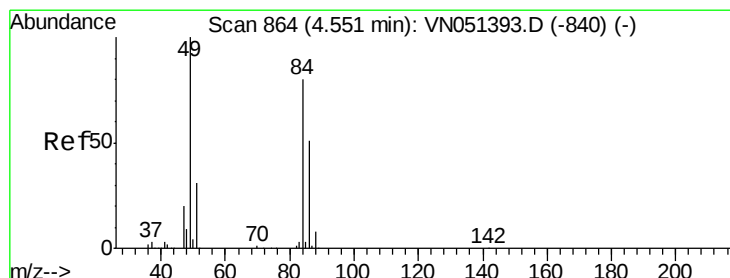
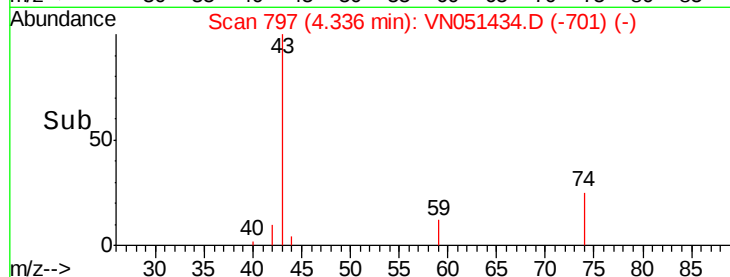
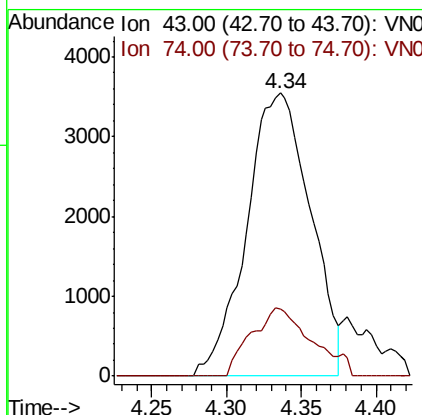
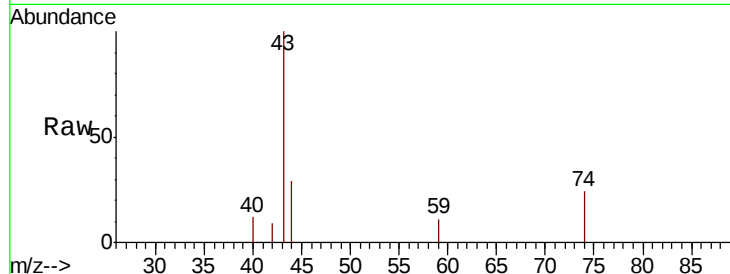




#18
Methyl Acetate
Concen: 1.752 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

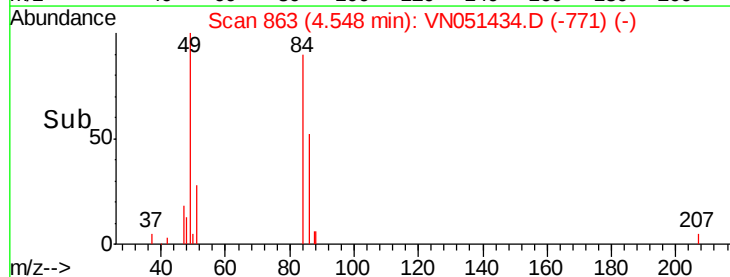
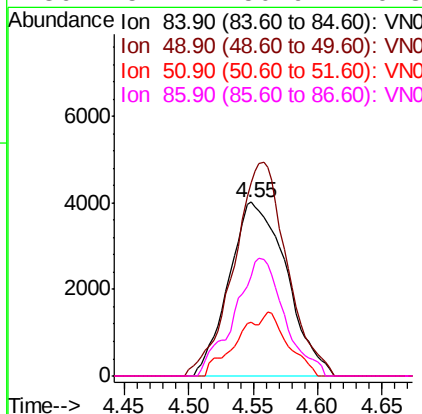
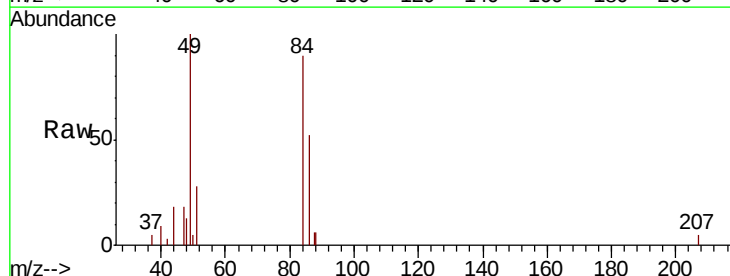
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#05

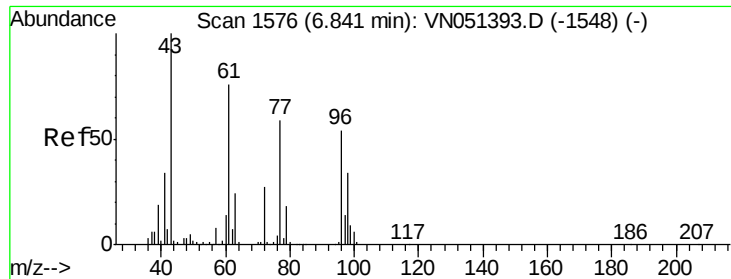
Tgt Ion: 43 Resp: 10541
Ion Ratio Lower Upper
43 100
74 22.8 18.8 28.2



#20
Methylene Chloride
Concen: 1.594 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

Tgt Ion: 84 Resp: 12462
Ion Ratio Lower Upper
84 100
49 111.0 99.9 149.9
51 30.9 31.4 47.2#
86 57.4 50.9 76.3

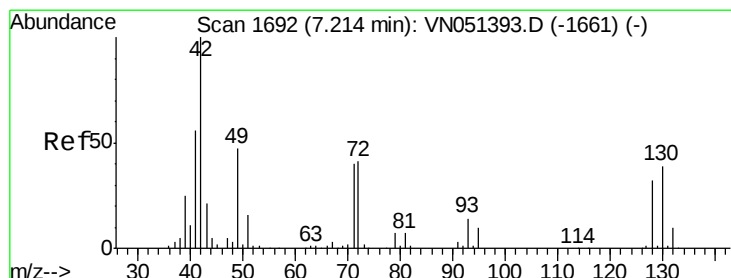
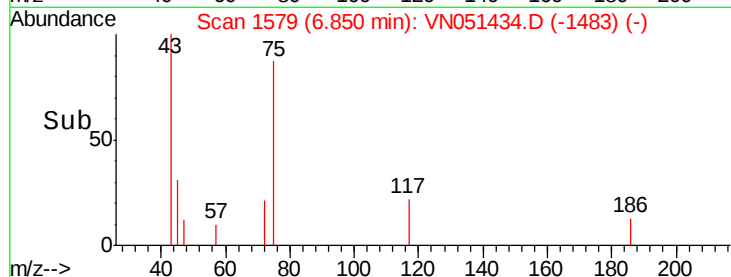
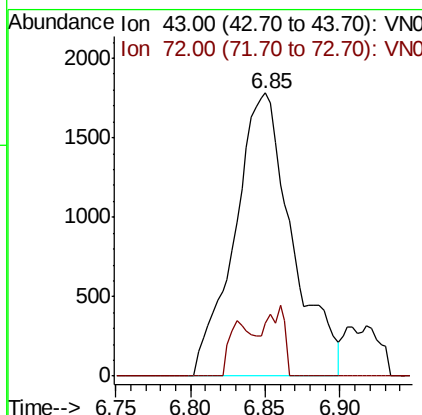
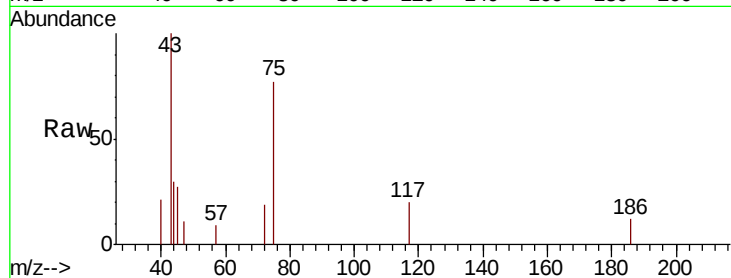




#25
2-Butanone
Concen: 1.765 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

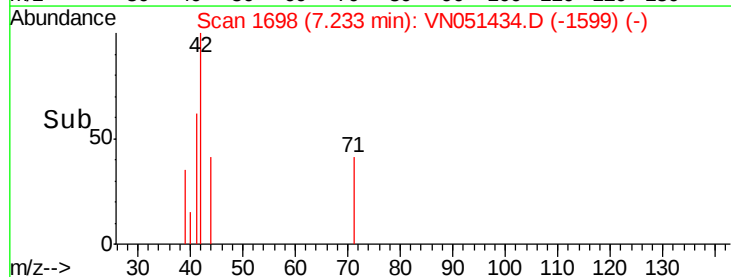
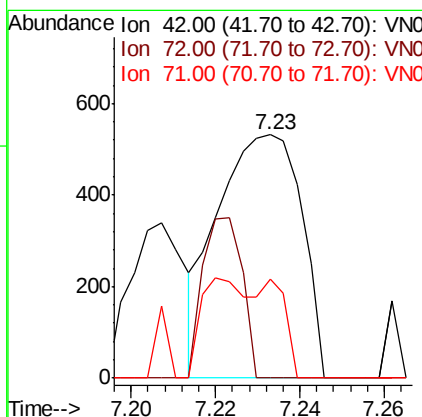
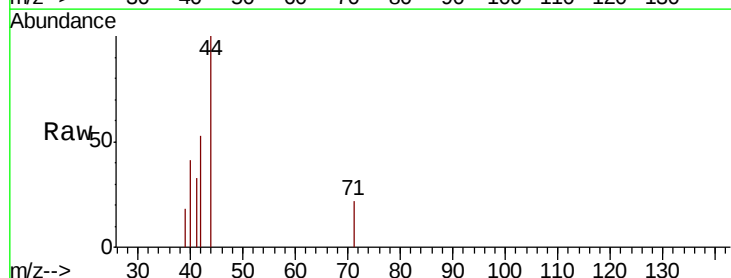
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#05

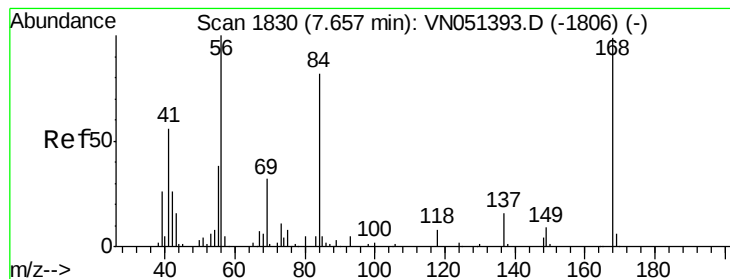
Tgt Ion: 43 Resp: 4774
Ion Ratio Lower Upper
43 100
72 18.6 21.8 32.6#



#29
Tetrahydrofuran
Concen: 0.428 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.02 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

Tgt Ion: 42 Resp: 733
Ion Ratio Lower Upper
42 100
72 31.0 34.3 51.5#
71 20.7 32.2 48.4#





#31

Cyclohexane

Concen: 0.914 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#05

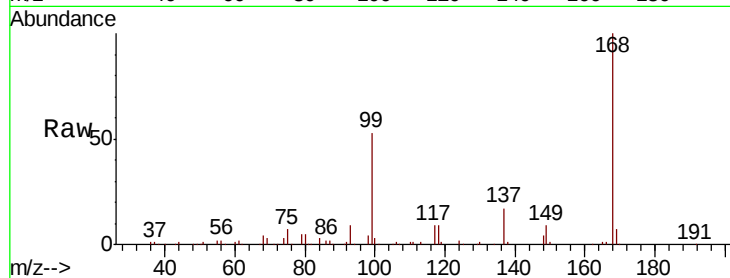
Tgt Ion: 56 Resp: 11366

Ion Ratio Lower Upper

56 100

69 188.5 25.8 38.6#

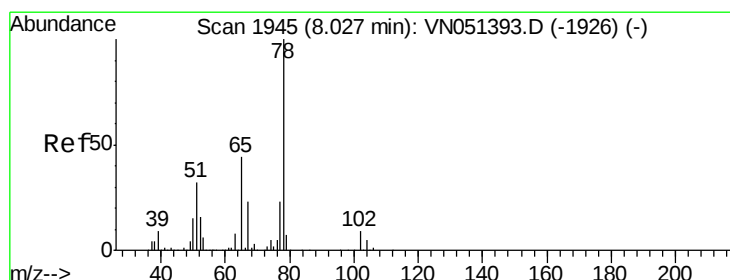
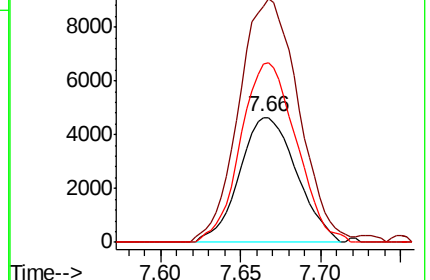
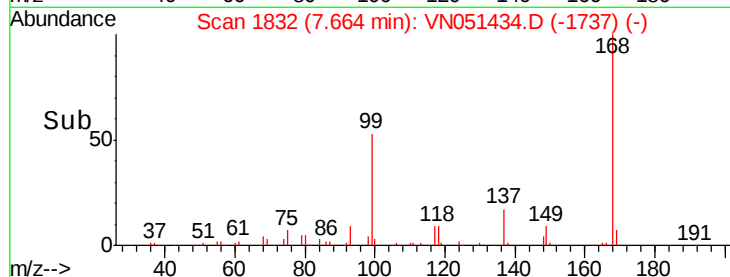
84 142.5 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051434.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051434.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051434.D (-1737) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.481 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051434.D

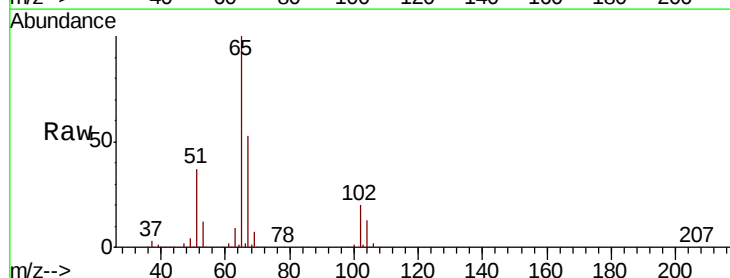
Acq: 24 Sep 2018 00:35

Tgt Ion: 65 Resp: 430437

Ion Ratio Lower Upper

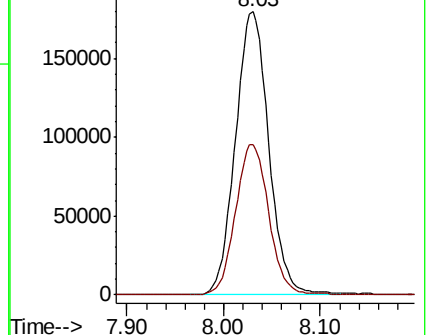
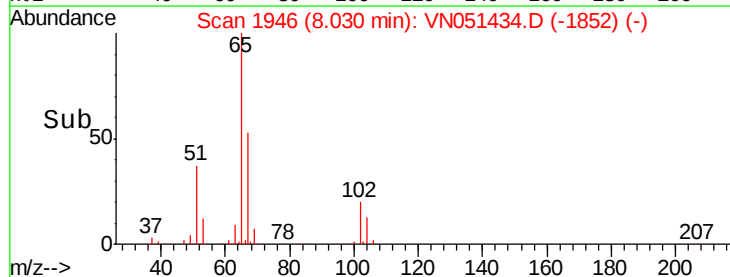
65 100

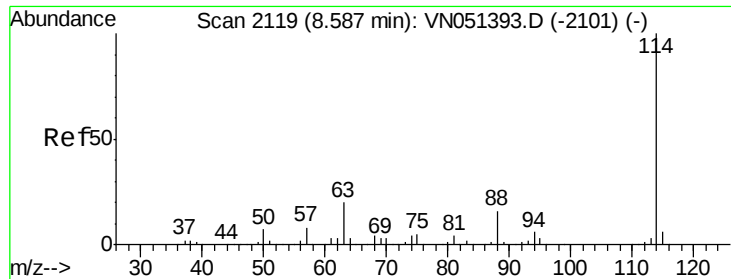
67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051434.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051434.D (-1852) (-)

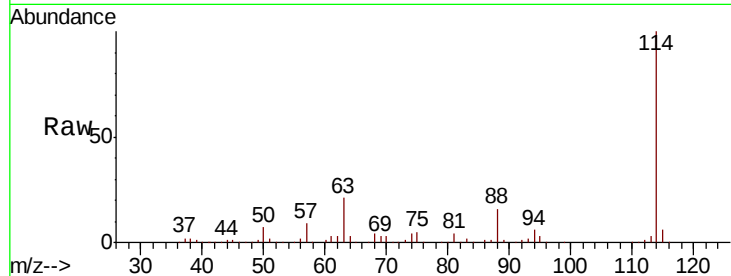




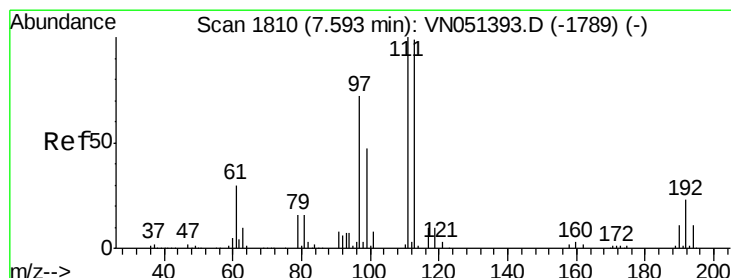
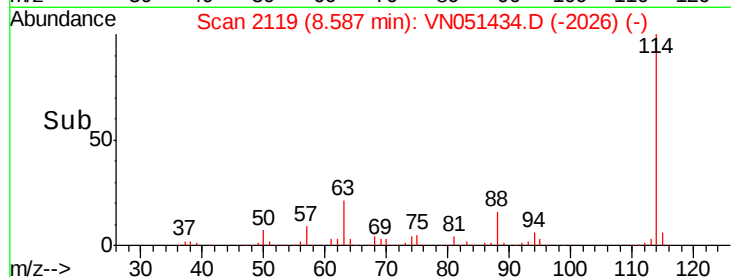
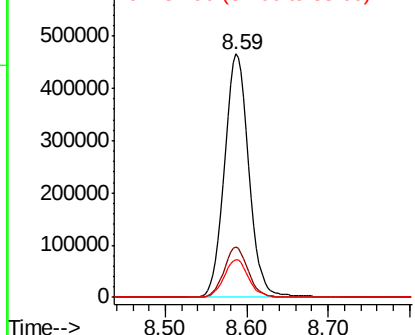
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051434.D
 Acq: 24 Sep 2018 00:35

Instrument :
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 PB113124ZHE#05

Tgt Ion:114 Resp: 986754
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.6 0.0 31.4

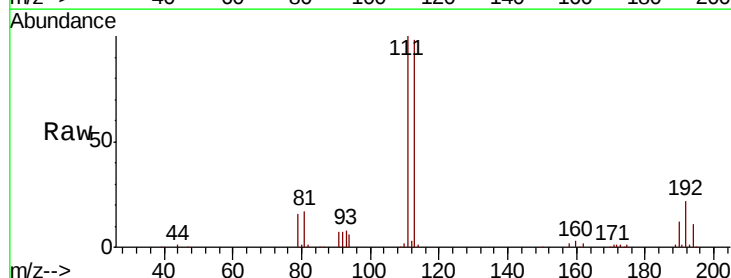


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

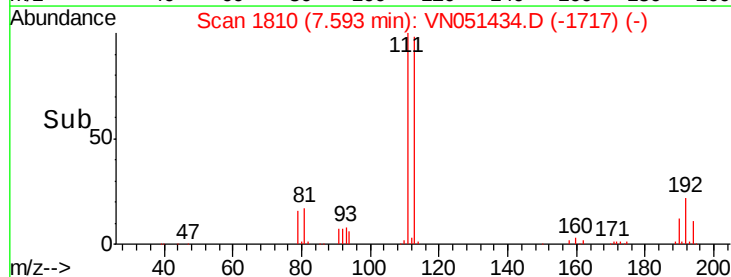
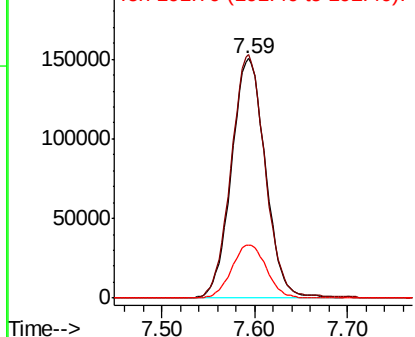


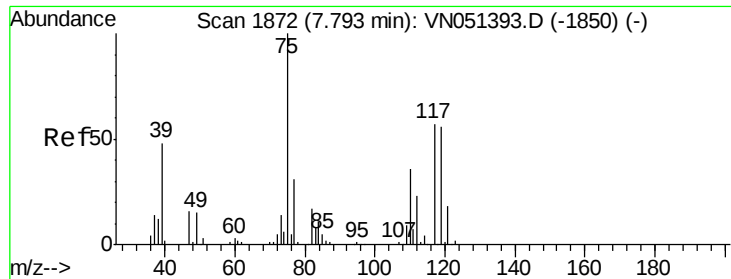
#35
 Dibromofluoromethane
 Concen: 48.436 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051434.D
 Acq: 24 Sep 2018 00:35

Tgt Ion:113 Resp: 382190
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 123.8
 192 22.7 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

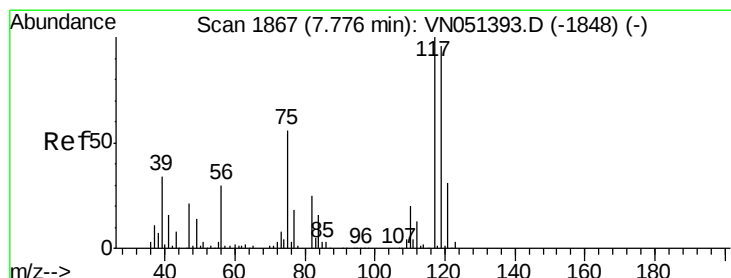
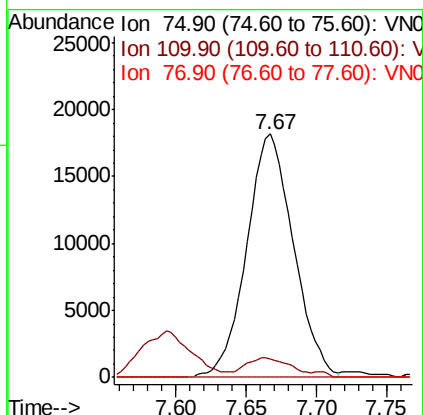
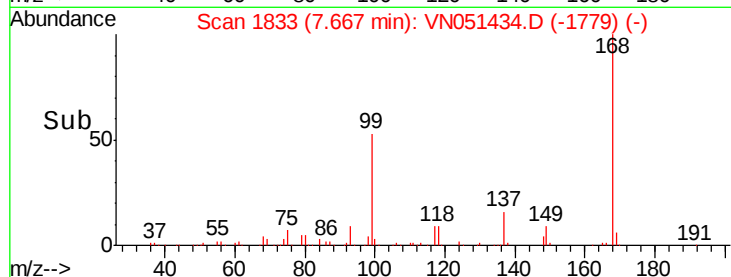
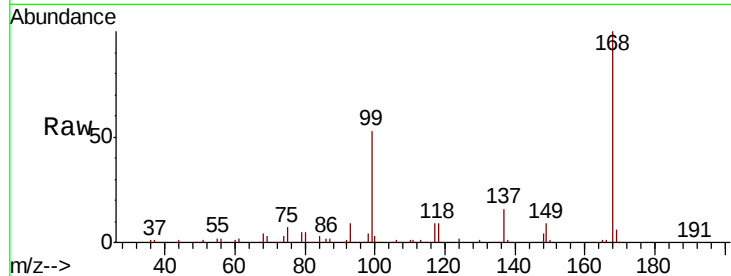




#36
 1,1-Dichloropropene
 Concen: 3.691 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051434.D
 Acq: 24 Sep 2018 00:35

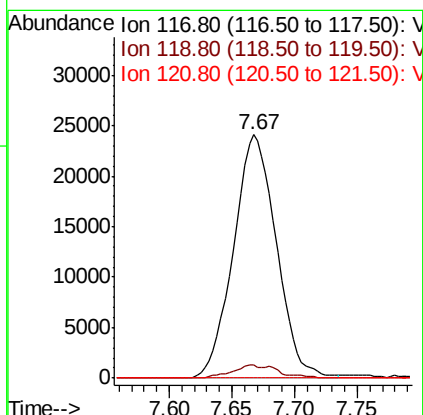
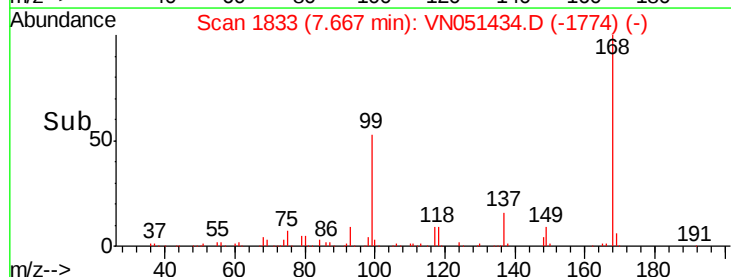
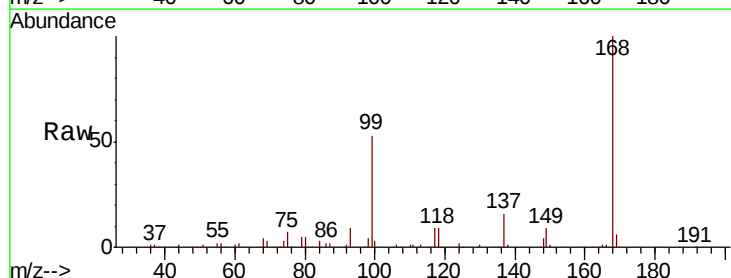
Instrument :
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 ClientSampleId :
 PB113124ZHE#05

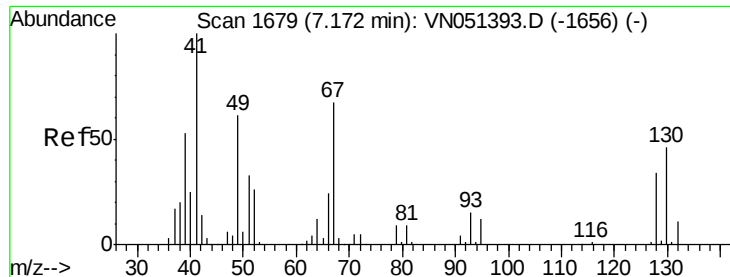
Tgt Ion: 75 Resp: 42171
 Ion Ratio Lower Upper
 75 100
 110 5.3 18.1 54.3#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 4.794 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051434.D
 Acq: 24 Sep 2018 00:35

Tgt Ion: 117 Resp: 57293
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.9 115.3#
 121 0.0 24.6 37.0#

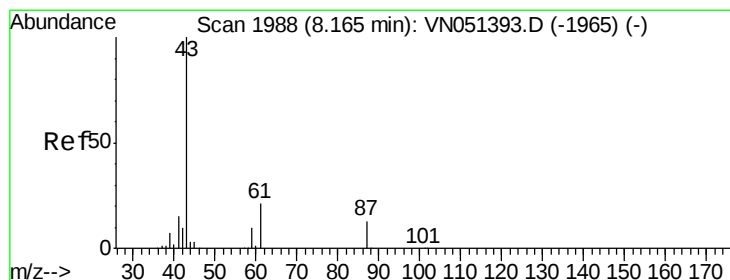
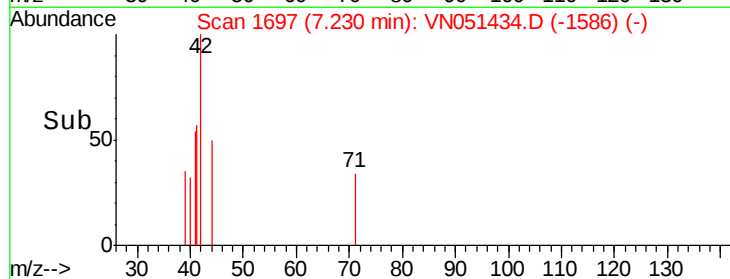
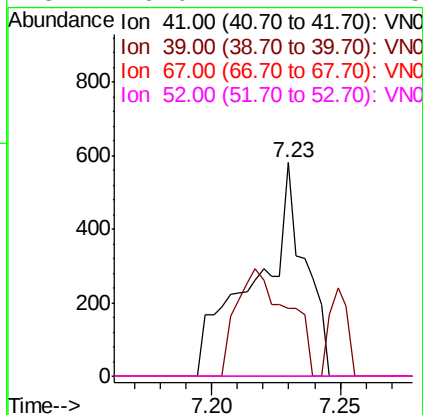
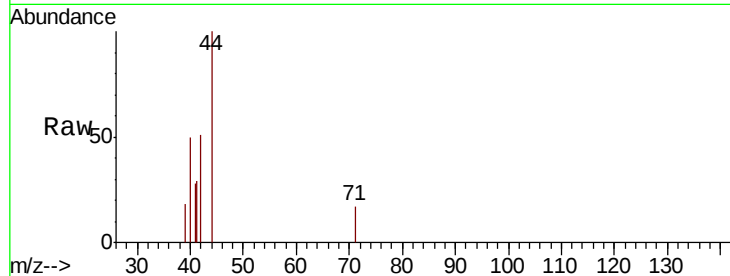




#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.06 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

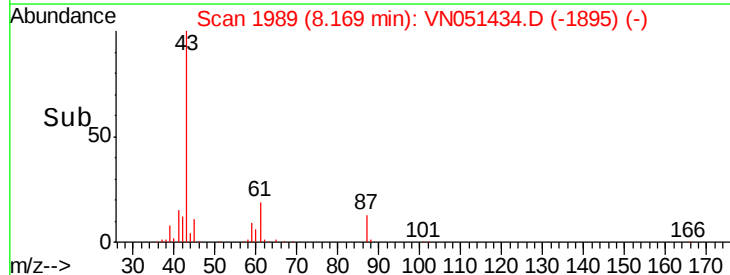
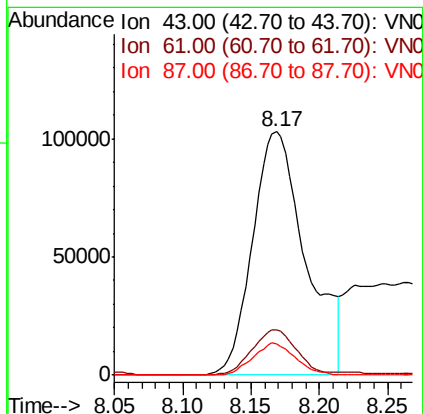
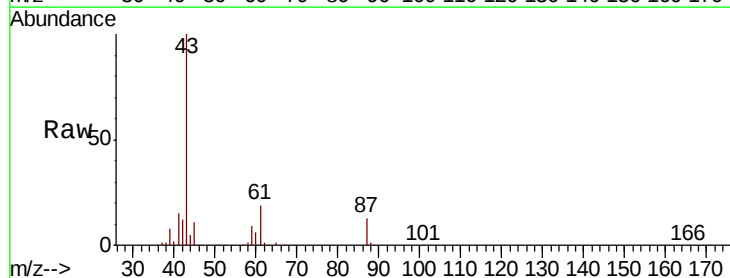
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#05

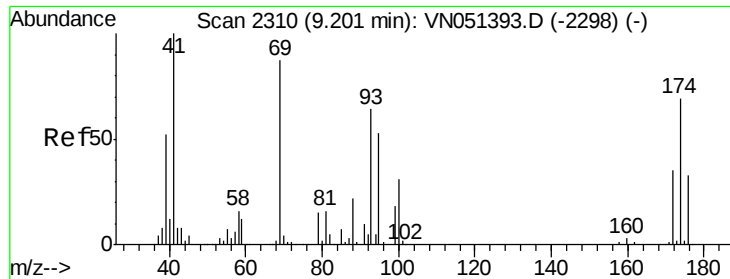
Tgt Ion: 41 Resp: 772
Ion Ratio Lower Upper
41 100
39 52.6 51.4 77.2
67 0.0 66.8 100.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 23.537 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

Tgt Ion: 43 Resp: 279626
Ion Ratio Lower Upper
43 100
61 15.8 16.8 25.2#
87 10.6 10.7 16.1#

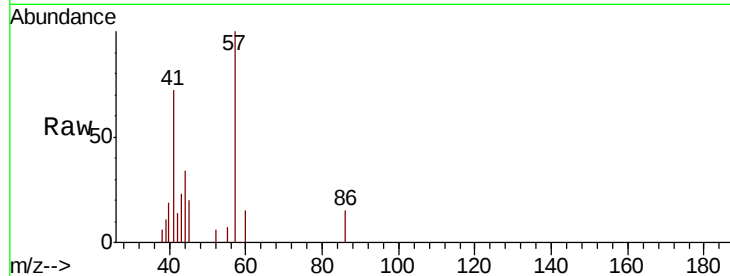




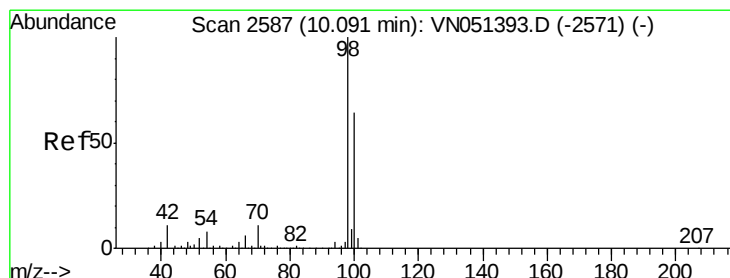
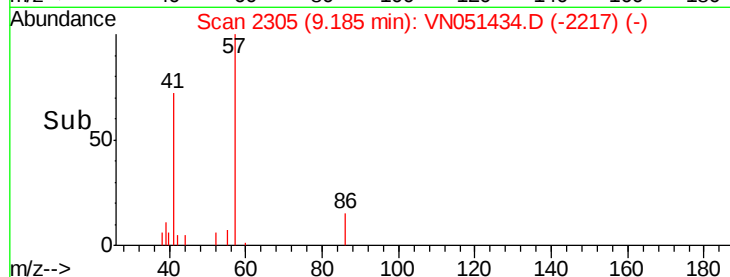
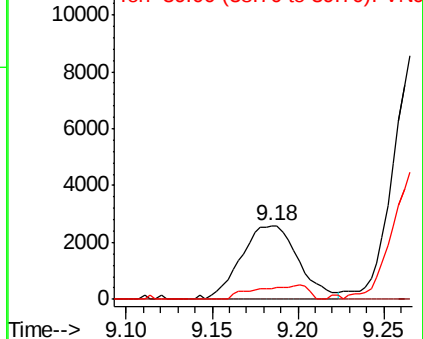
#48
Methyl methacrylate
Concen: 1.019 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#05

Tgt Ion: 41 Resp: 6038
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 17.7 43.8 65.8#

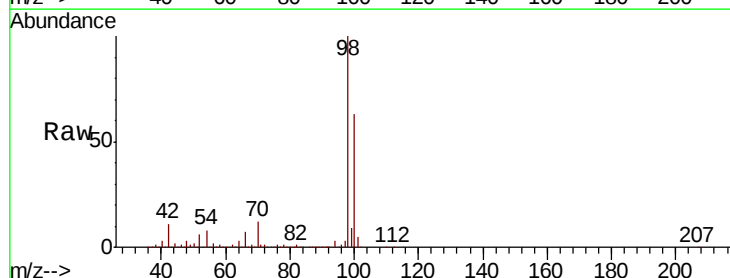


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

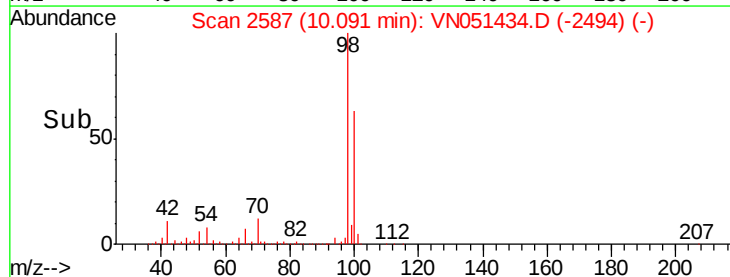
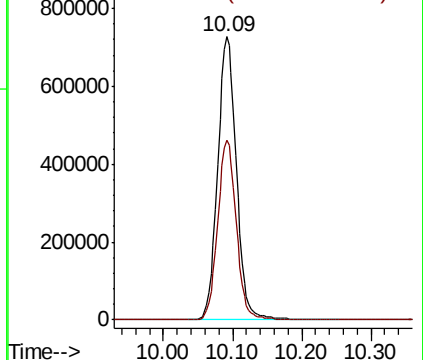


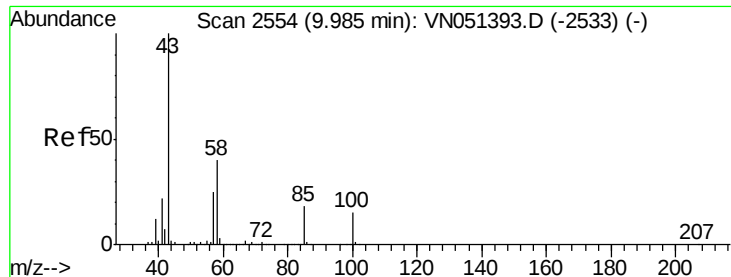
#50
Toluene-d8
Concen: 45.834 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051434.D
Acq: 24 Sep 2018 00:35

Tgt Ion: 98 Resp: 1361891
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

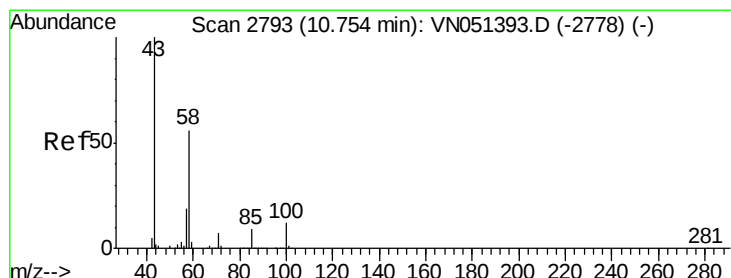
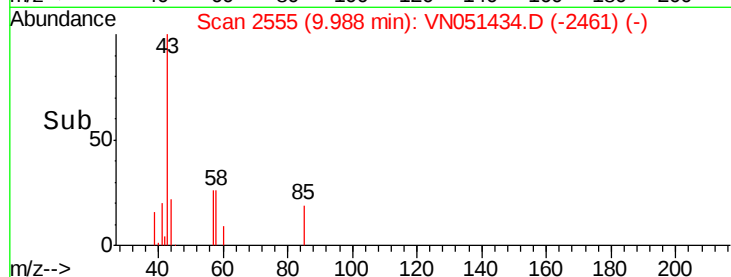
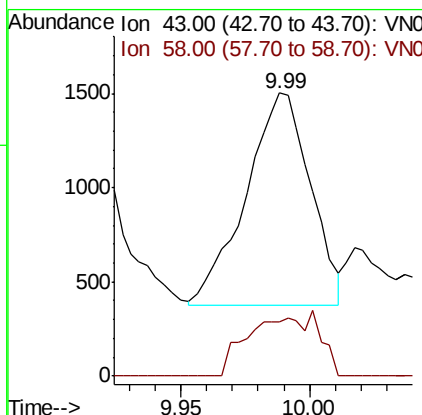
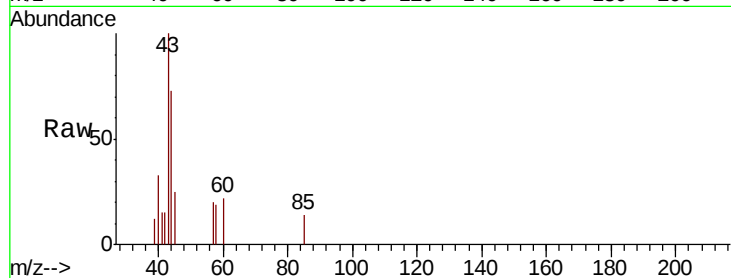




#51
 4-Methyl-2-Pentanone
 Concen: 0.302 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051434.D
 Acq: 24 Sep 2018 00:35

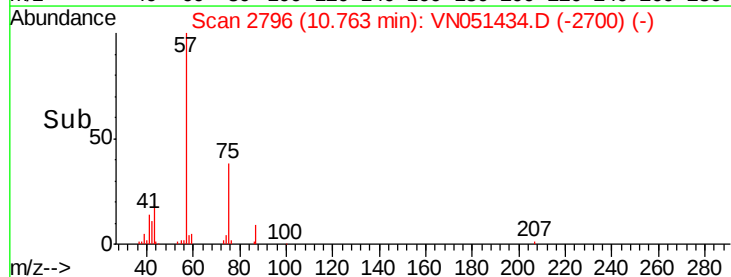
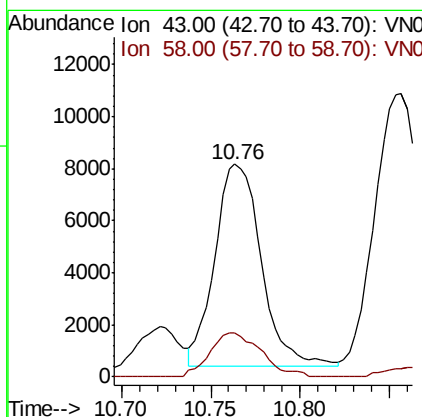
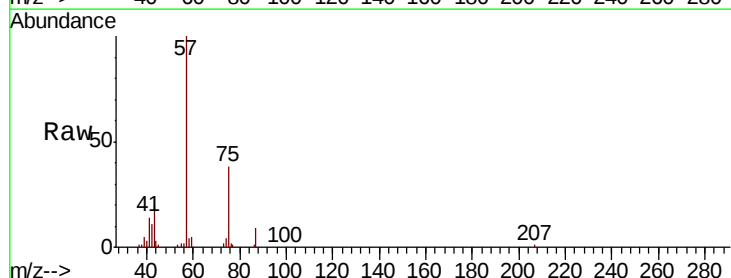
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#05

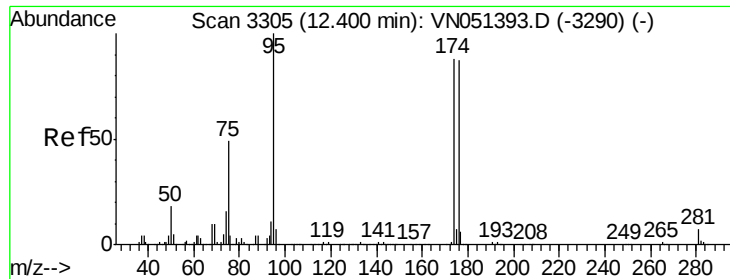
Tgt Ion: 43 Resp: 1971
 Ion Ratio Lower Upper
 43 100
 58 31.5 31.5 47.3#



#59
 2-Hexanone
 Concen: 3.325 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN051434.D
 Acq: 24 Sep 2018 00:35

Tgt Ion: 43 Resp: 14082
 Ion Ratio Lower Upper
 43 100
 58 24.0 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 38.962 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#05

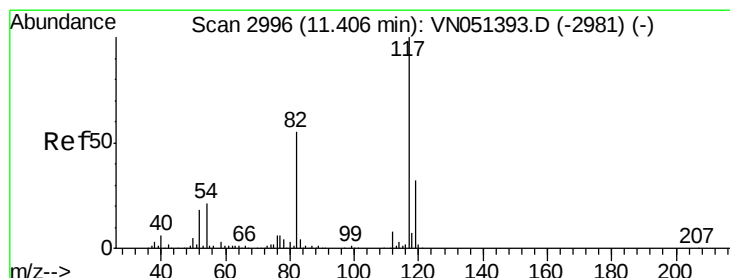
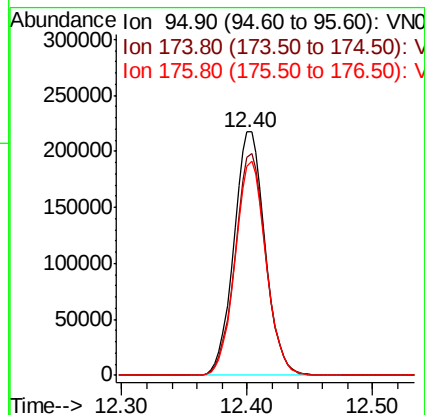
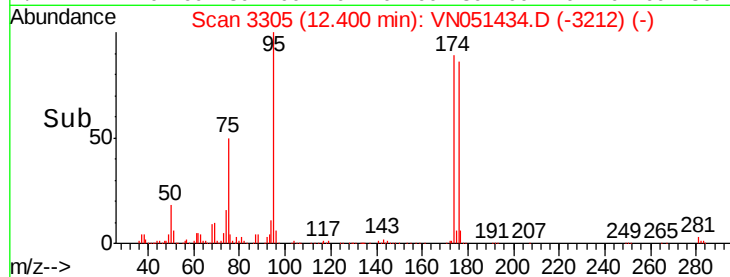
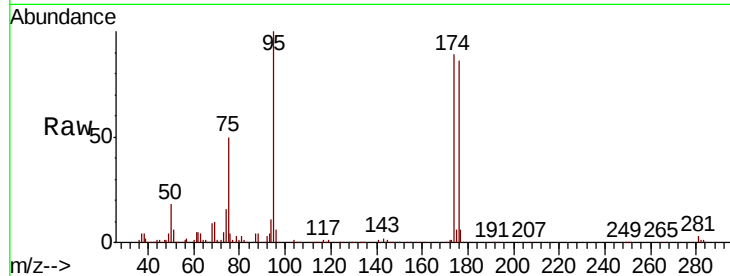
Tgt Ion: 95 Resp: 374513

Ion Ratio Lower Upper

95 100

174 90.0 0.0 181.6

176 87.0 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: VN051434.D

Acq: 24 Sep 2018 00:35

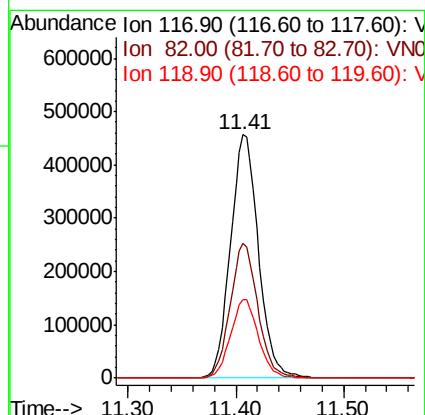
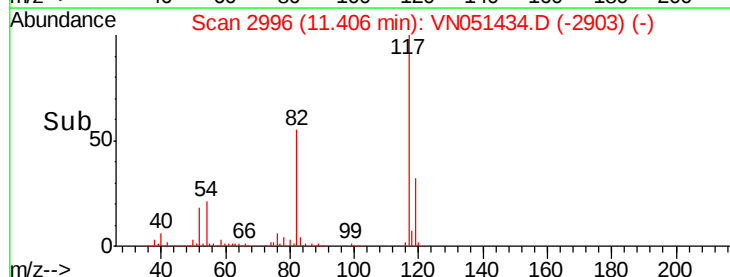
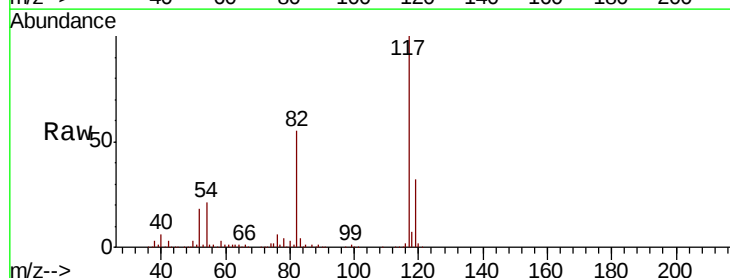
Tgt Ion: 117 Resp: 824632

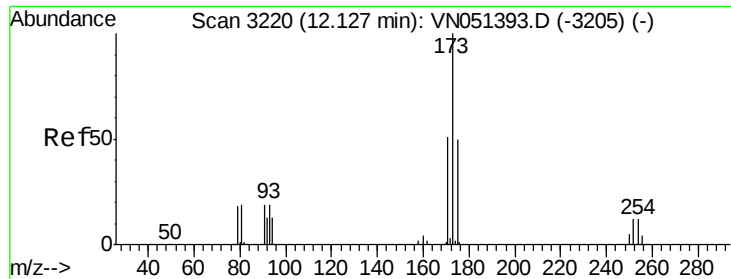
Ion Ratio Lower Upper

117 100

82 55.3 44.2 66.2

119 32.4 25.9 38.9





#71

Bromoform

Concen: 0.507 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#05

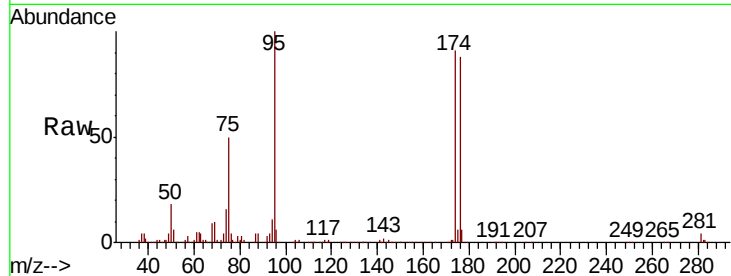
Tgt Ion:173 Resp: 2774

Ion Ratio Lower Upper

173 100

175 730.9 24.8 74.3#

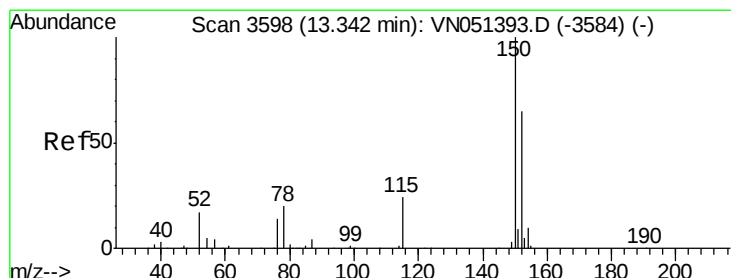
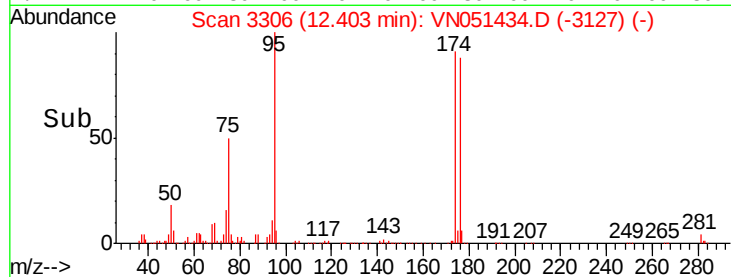
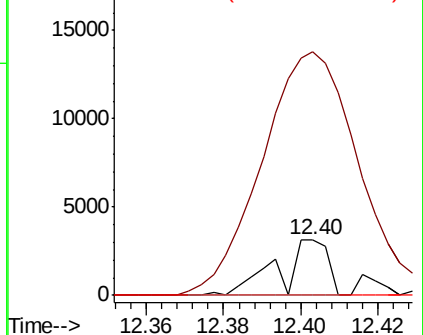
254 0.0 0.2 0.2#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

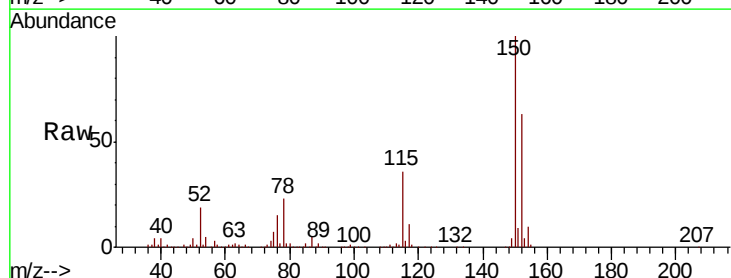
Tgt Ion:152 Resp: 297093

Ion Ratio Lower Upper

152 100

115 56.2 28.3 84.9

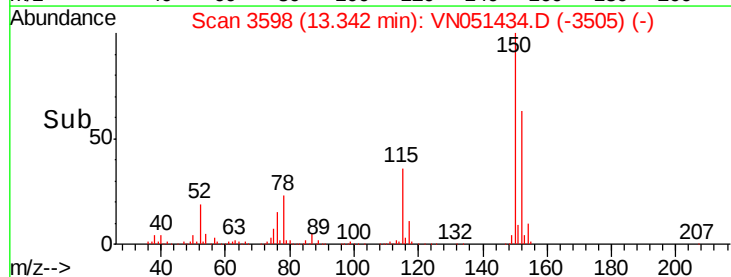
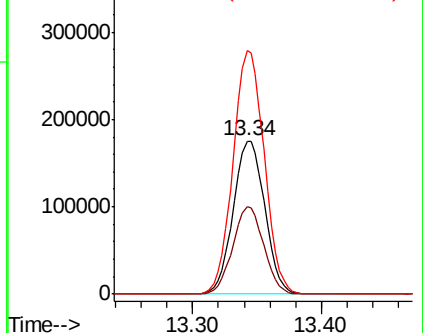
150 157.4 0.0 353.6

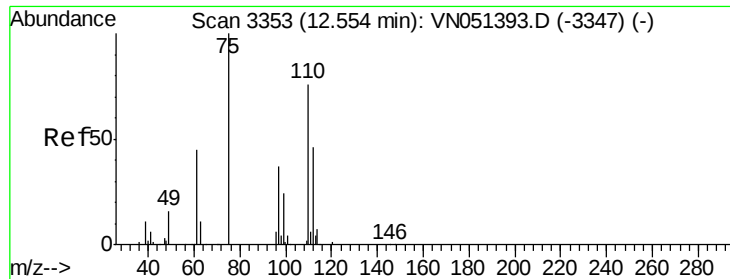


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.329 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

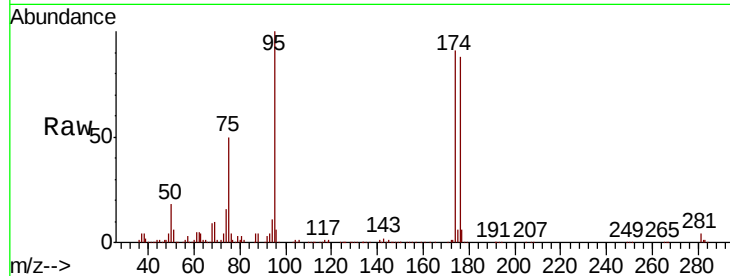
PB113124ZHE#05

Tgt Ion: 75 Resp: 184105

Ion Ratio Lower Upper

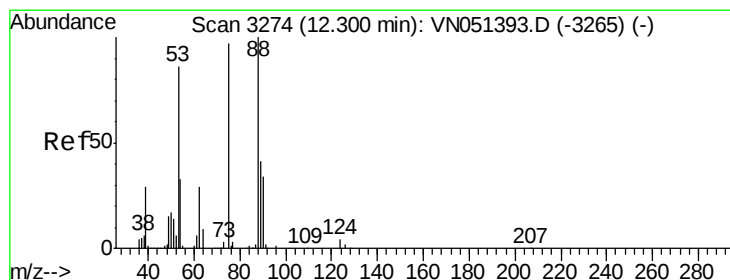
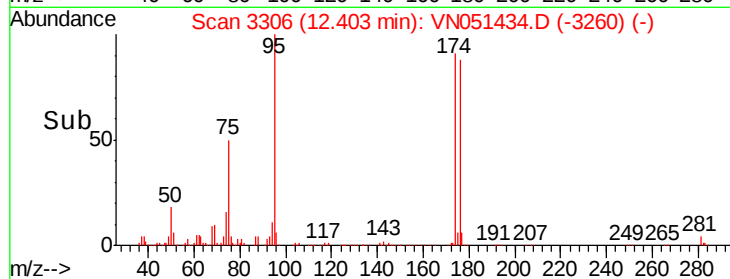
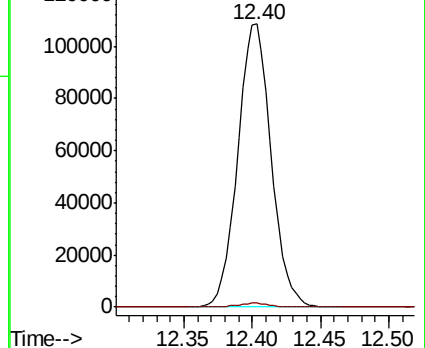
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 114.785 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051434.D

Acq: 24 Sep 2018 00:35

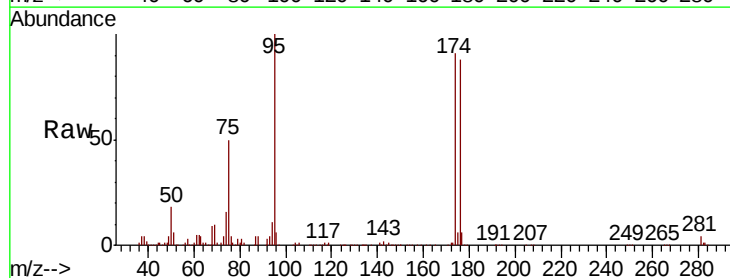
Tgt Ion: 75 Resp: 184105

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

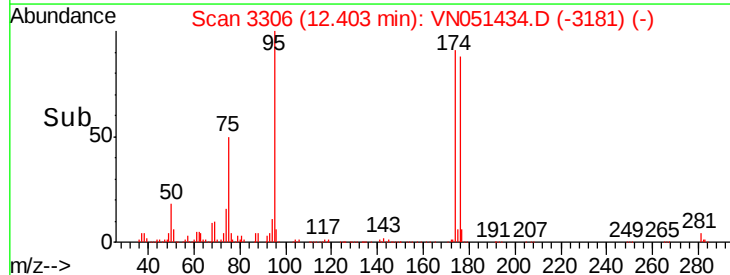
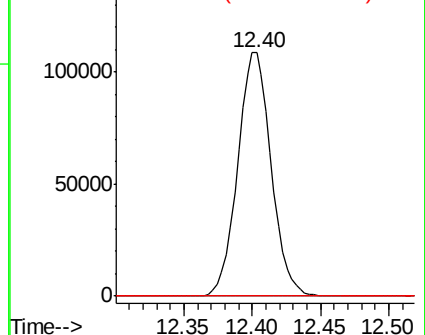
89 0.1 36.7 55.1#

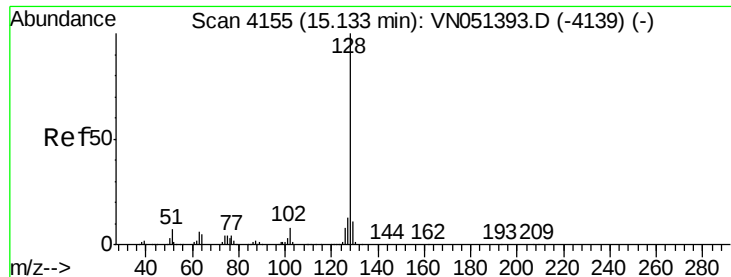


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 8.064 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051434.D

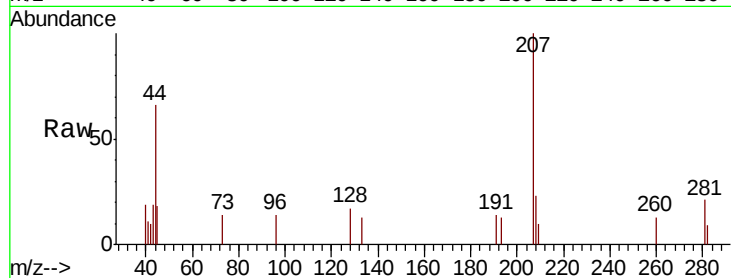
Acq: 24 Sep 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#05



Tgt Ion:	128	Resp:	264
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	12.8#

