

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051414.D
 Acq On : 23 Sep 2018 15:36
 Operator : MD\SY
 Sample : J4777-30
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-04-092018-C

Quant Time: Sep 24 06:46:46 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	648876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1002539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268310	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	435939	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.59	113	388635	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.09	98	1361550	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
62) 4-Bromofluorobenzene	12.40	95	353863	36.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.46%	

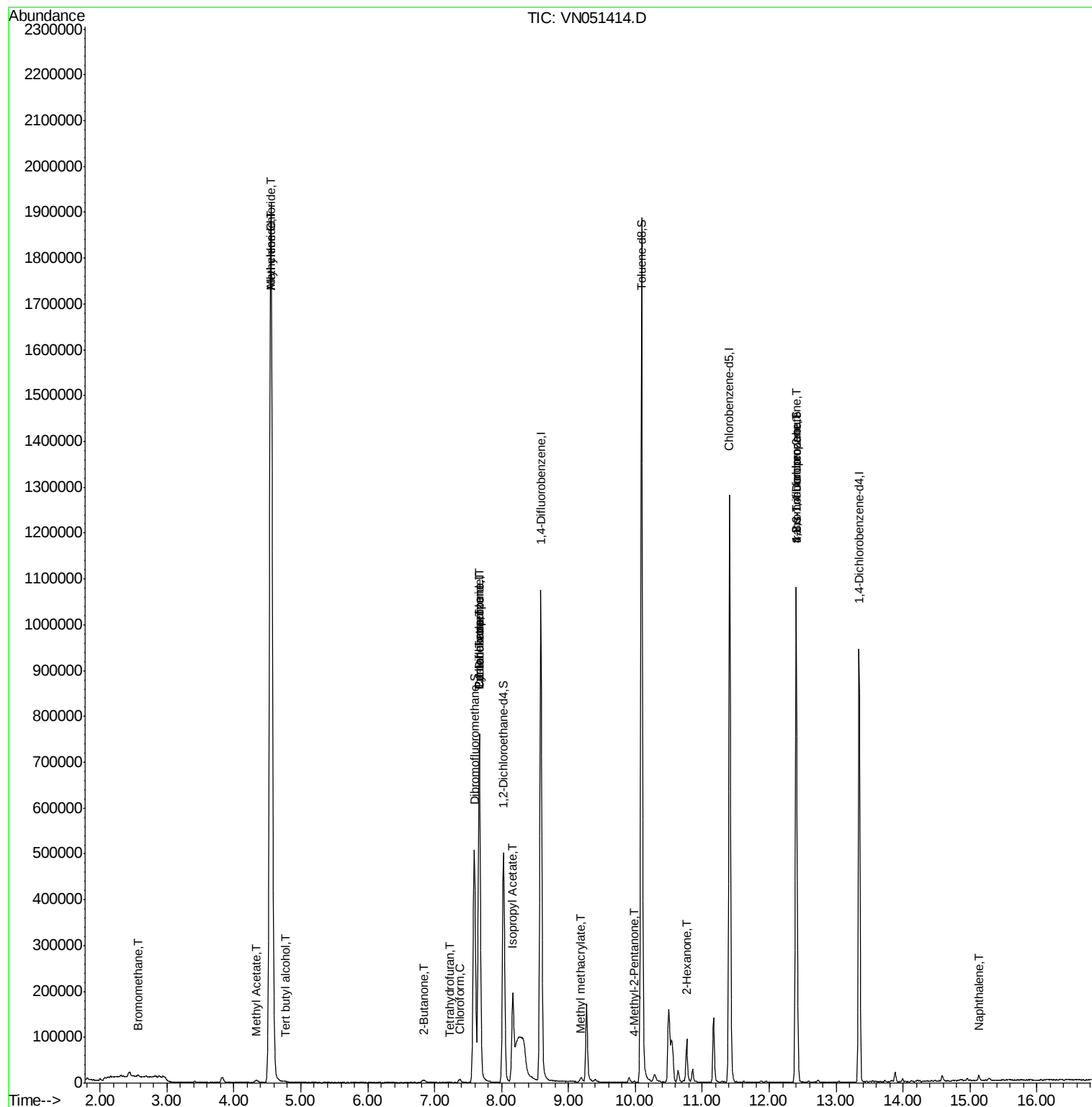
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	1534	0.300	ug/l #	68
8) Diethyl Ether	3.41	74	1278	Below Cal		66
11) Tert butyl alcohol	4.77	59	100	0.218	ug/l #	78
14) Allyl chloride	4.55	41	57316	4.732	ug/l #	26
16) Acetone	3.83	43	19685	Below Cal		93
18) Methyl Acetate	4.34	43	9916	1.602	ug/l	93
20) Methylene Chloride	4.55	84	1456842	181.123	ug/l	100
25) 2-Butanone	6.85	43	3082	1.108	ug/l	97
29) Tetrahydrofuran	7.22	42	690	0.391	ug/l #	82
30) Chloroform	7.37	83	7482	0.541	ug/l	99
31) Cyclohexane	7.66	56	11970	0.935	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45233	3.896	ug/l #	49
38) Carbon Tetrachloride	7.67	117	60203	4.958	ug/l #	16
43) Isopropyl Acetate	8.17	43	244011	20.216	ug/l	94
48) Methyl methacrylate	9.18	41	6091	1.012	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	1465	0.221	ug/l #	82
59) 2-Hexanone	10.77	43	13615	3.164	ug/l #	61
76) 1,2,3-Trichloropropane	12.40	75	176022	39.519	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	176022	121.518	ug/l #	12
95) Naphthalene	15.13	128	9270	8.824	ug/l	97

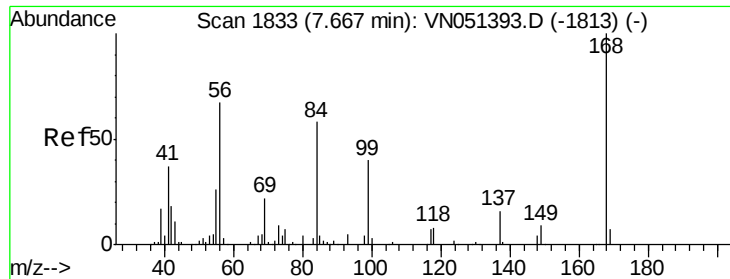
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051414.D

Acq: 23 Sep 2018 15:36

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MSVOA_N

ClientSampleId :

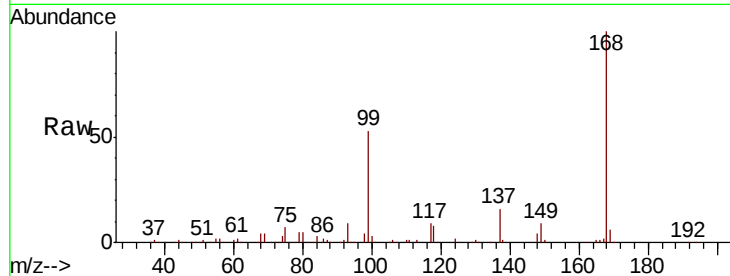
PL-04-092018-C

Tgt Ion:168 Resp: 648876

Ion Ratio Lower Upper

168 100

99 52.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051414.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051414.D (-1740) (-)

7.67

250000

200000

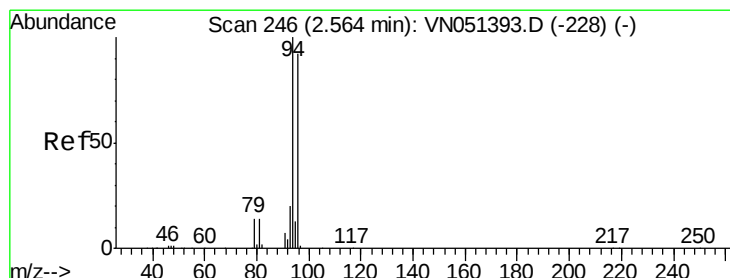
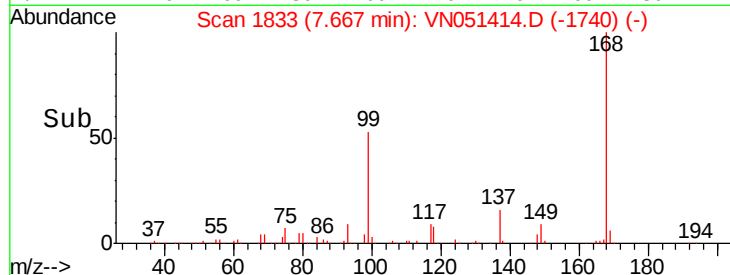
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.300 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051414.D

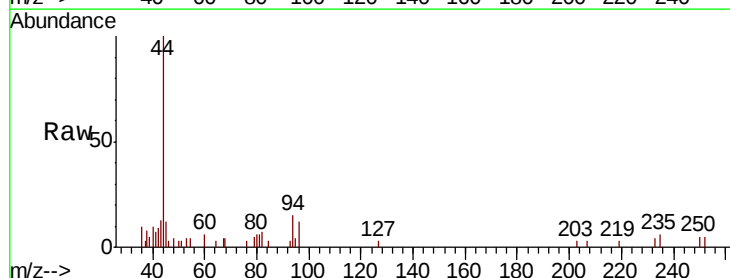
Acq: 23 Sep 2018 15:36

Tgt Ion: 94 Resp: 1534

Ion Ratio Lower Upper

94 100

96 61.1 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051414.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051414.D (-153) (-)

2.58

800

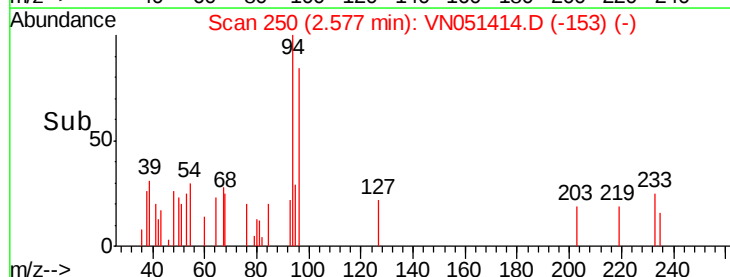
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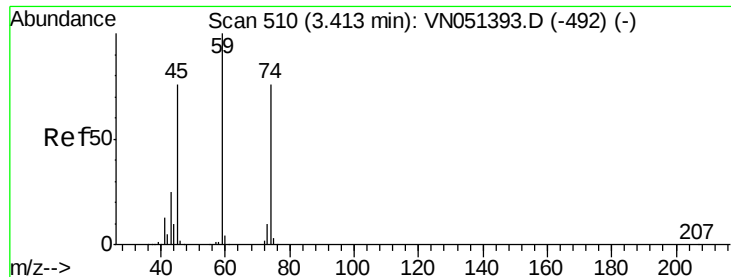
400

200

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

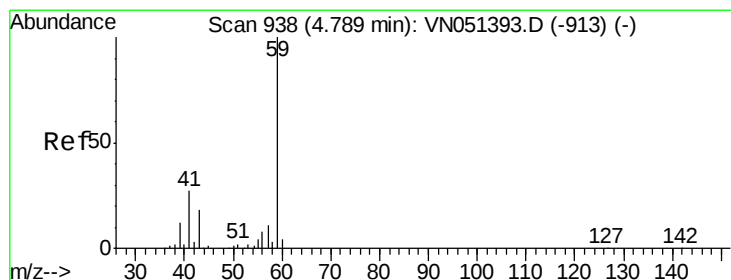
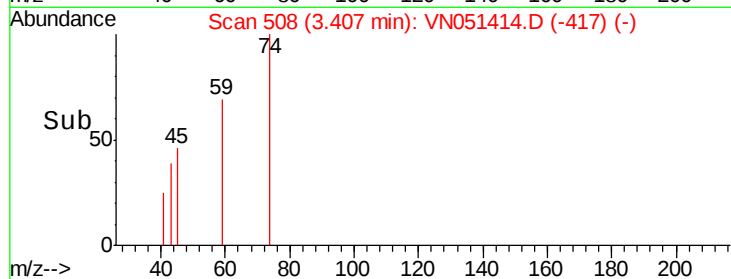
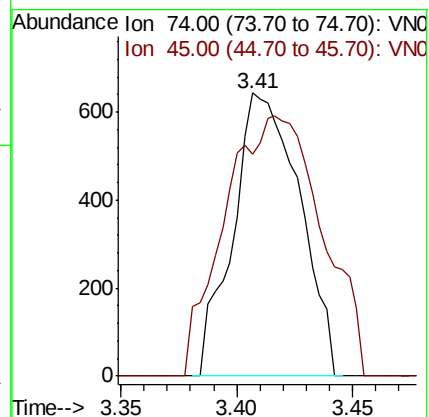
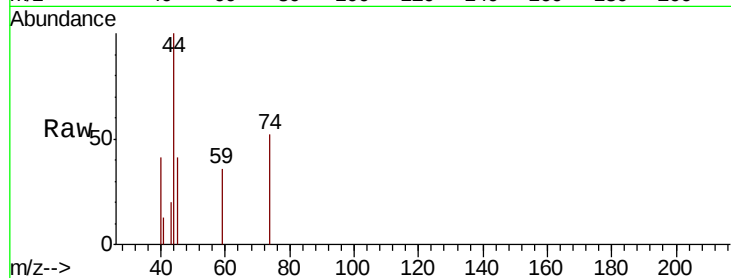
PL-04-092018-C

Tgt Ion: 74 Resp: 1278

Ion Ratio Lower Upper

74 100

45 134.6 50.2 150.7



#11

Tert butyl alcohol

Concen: 0.218 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.02 min

Lab File: VN051414.D

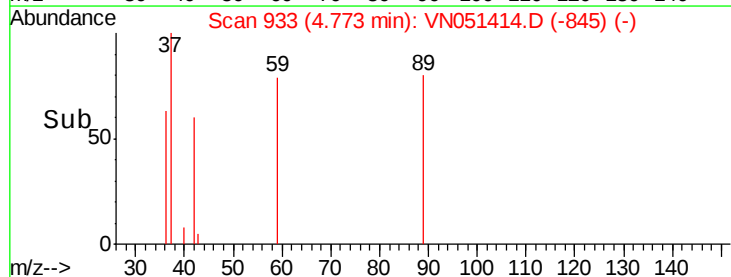
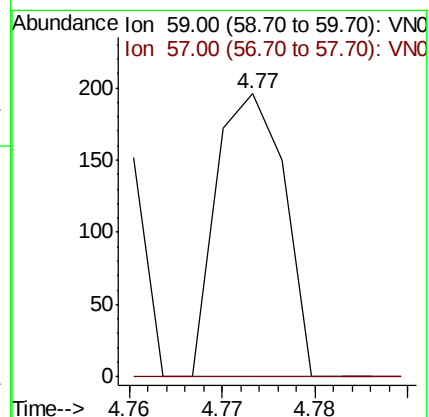
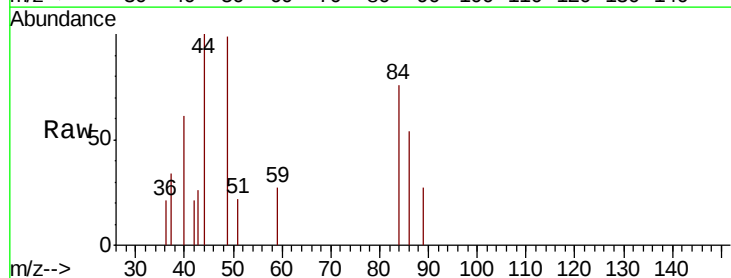
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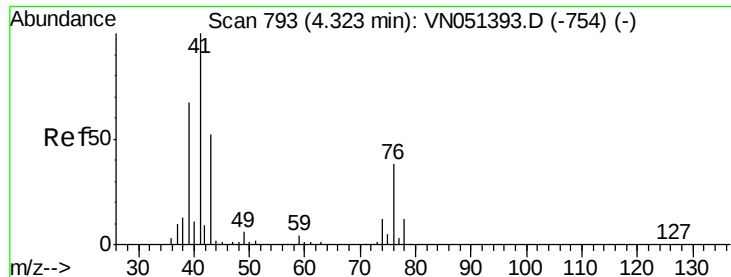
Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.2#

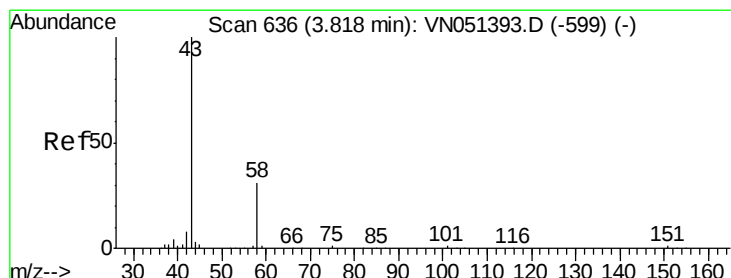
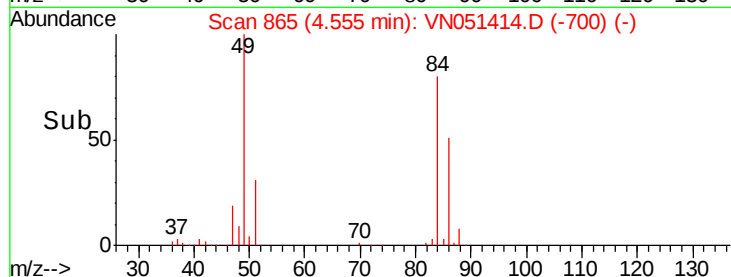
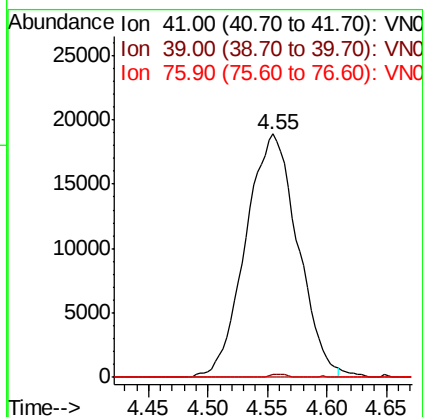
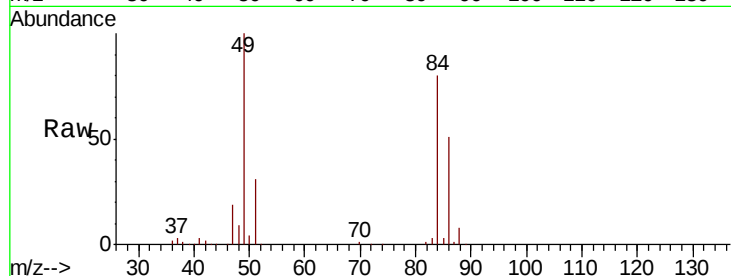




#14
 Allyl chloride
 Concen: 4.732 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.23 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

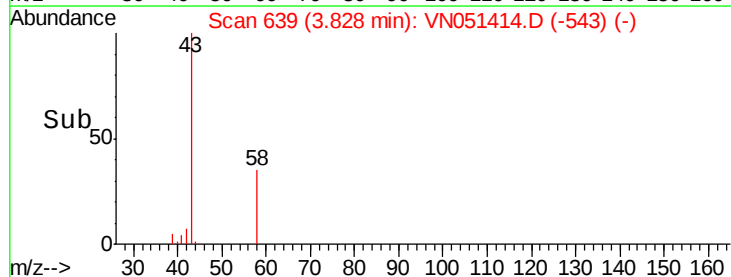
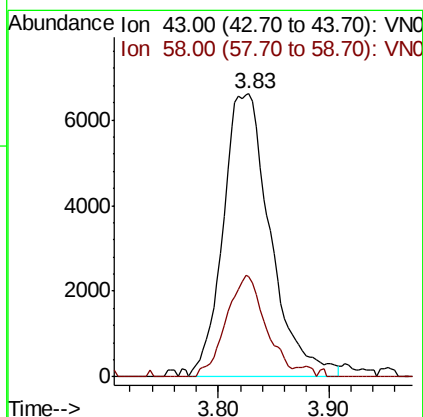
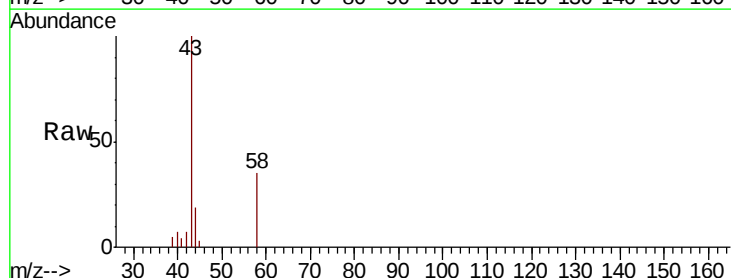
Instrument :
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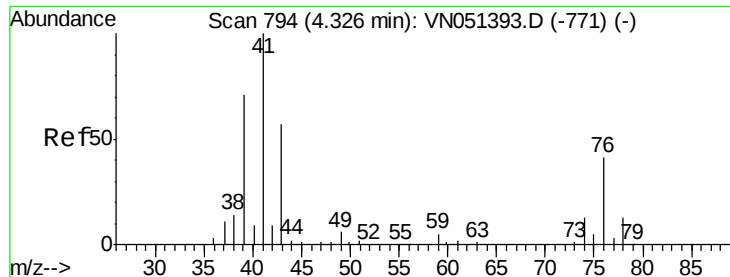
Tgt Ion: 41 Resp: 57316
 Ion Ratio Lower Upper
 41 100
 39 0.4 51.4 77.2#
 76 0.0 28.1 42.1#



#16
 Acetone
 Concen: Below Cal
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

Tgt Ion: 43 Resp: 19685
 Ion Ratio Lower Upper
 43 100
 58 35.3 25.0 37.4

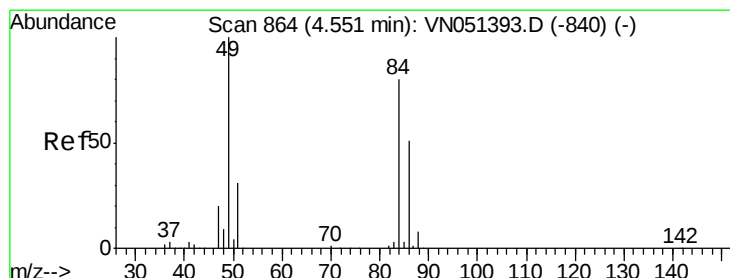
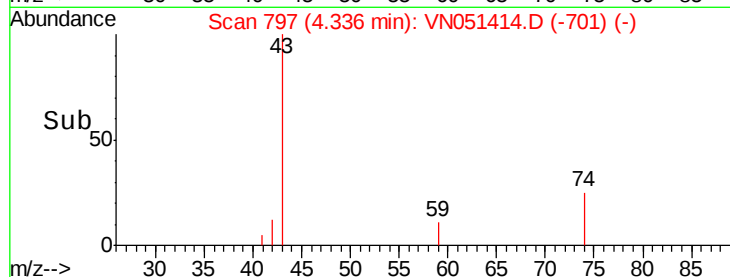
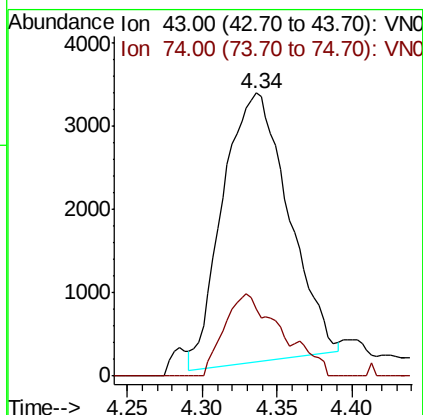
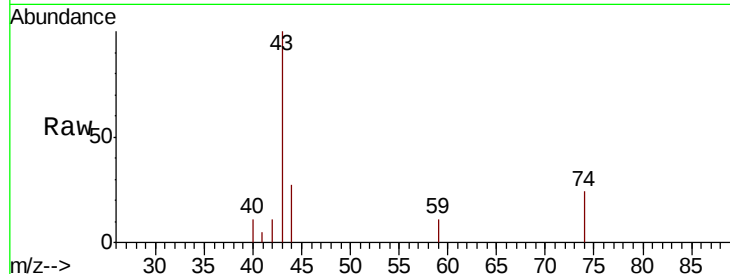




#18
Methyl Acetate
Concen: 1.602 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051414.D
Acq: 23 Sep 2018 15:36

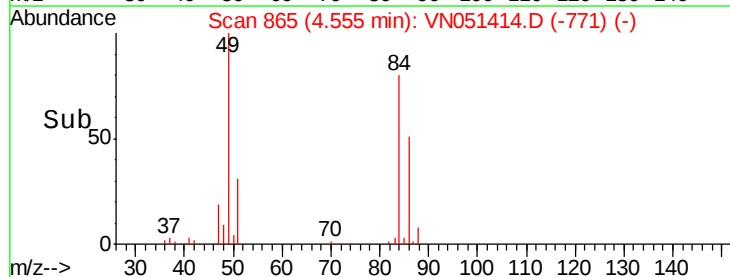
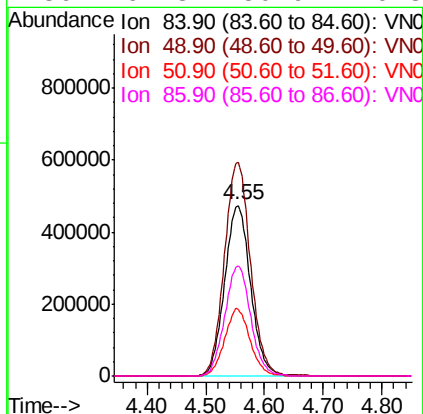
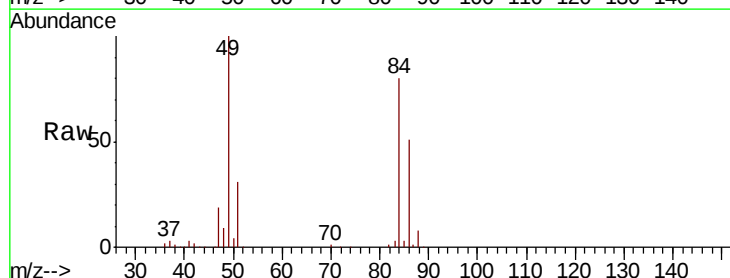
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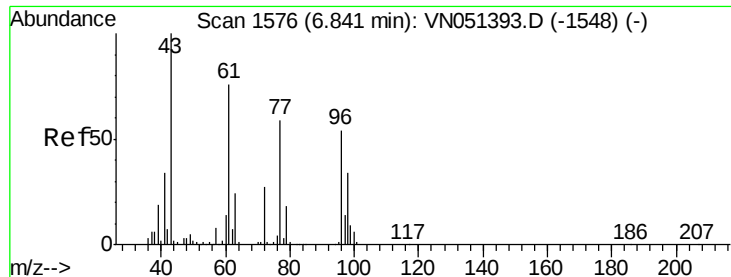
Tgt Ion: 43 Resp: 9916
Ion Ratio Lower Upper
43 100
74 26.9 18.8 28.2



#20
Methylene Chloride
Concen: 181.123 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051414.D
Acq: 23 Sep 2018 15:36

Tgt Ion: 84 Resp: 1456842
Ion Ratio Lower Upper
84 100
49 125.4 99.9 149.9
51 39.3 31.4 47.2
86 64.3 50.9 76.3

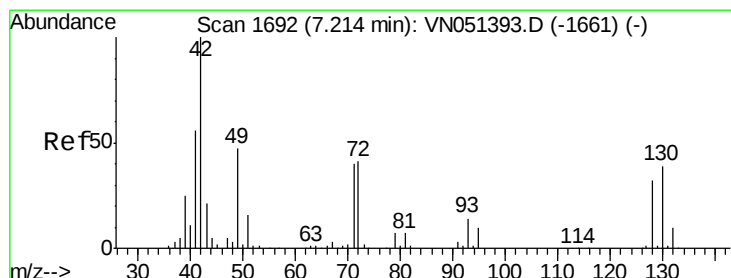
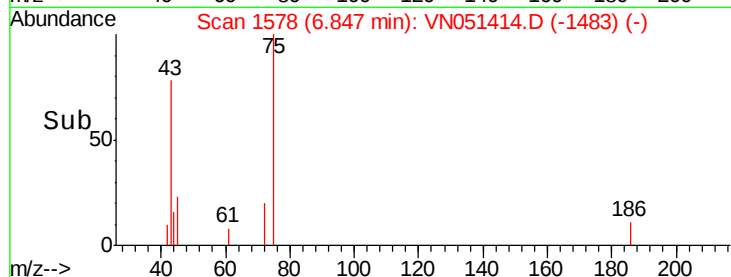
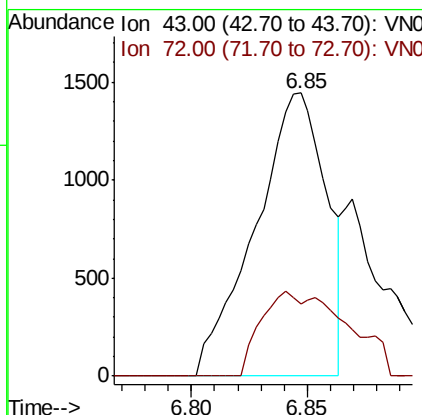
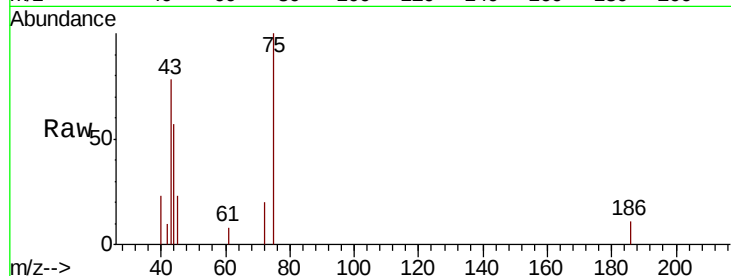




#25
 2-Butanone
 Concen: 1.108 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

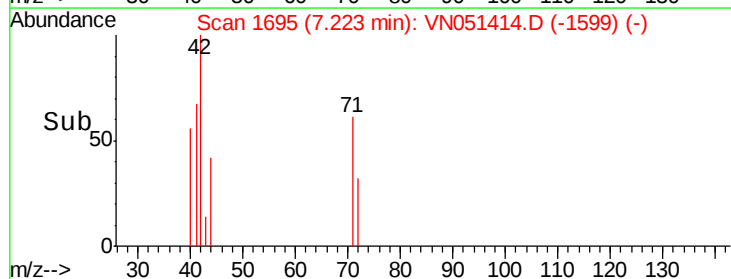
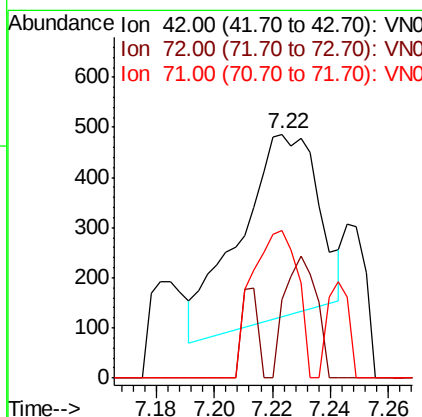
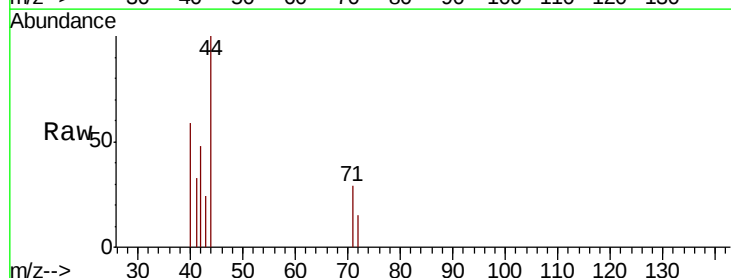
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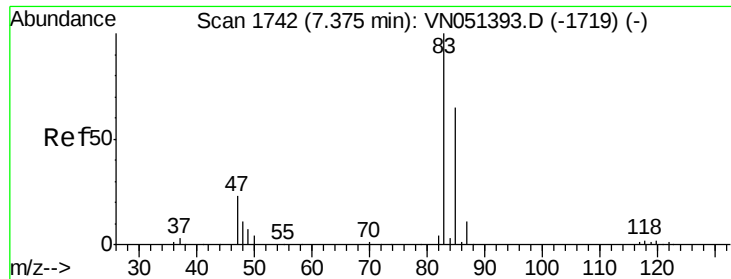
Tgt Ion: 43 Resp: 3082
 Ion Ratio Lower Upper
 43 100
 72 25.6 21.8 32.6



#29
 Tetrahydrofuran
 Concen: 0.391 ug/l
 RT: 7.22 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

Tgt Ion: 42 Resp: 690
 Ion Ratio Lower Upper
 42 100
 72 26.8 34.3 51.5#
 71 46.7 32.2 48.4

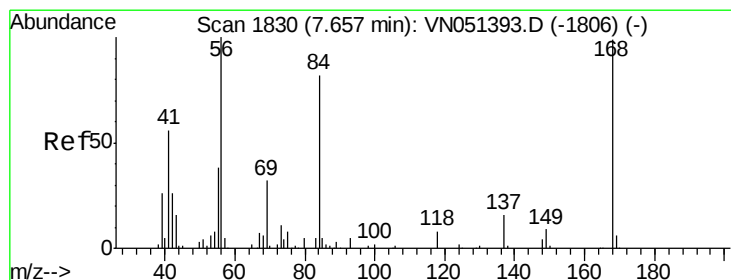
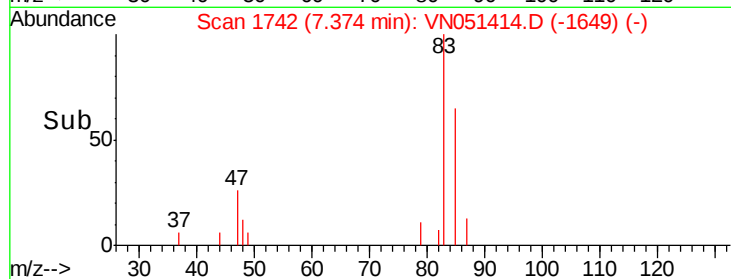
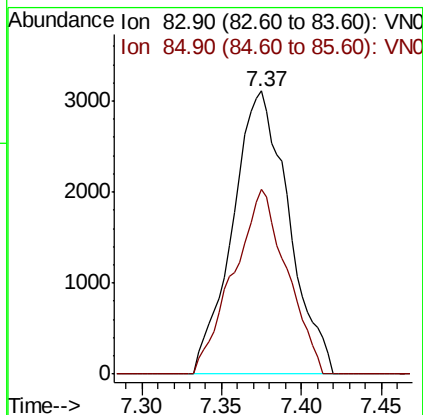
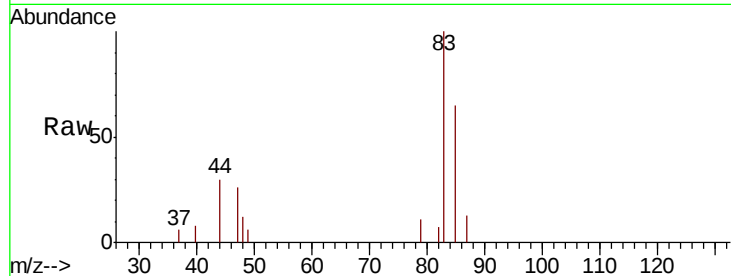




#30
Chloroform
Concen: 0.541 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051414.D
Acq: 23 Sep 2018 15:36

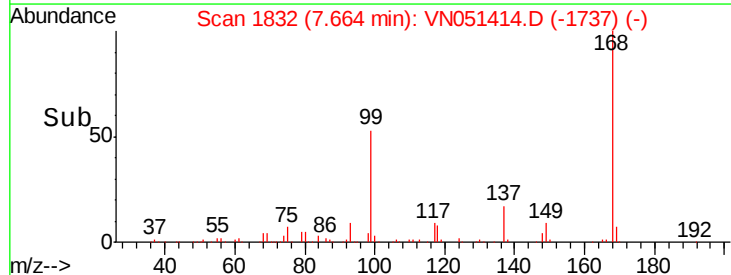
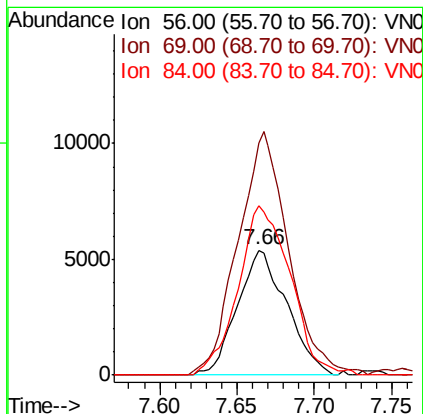
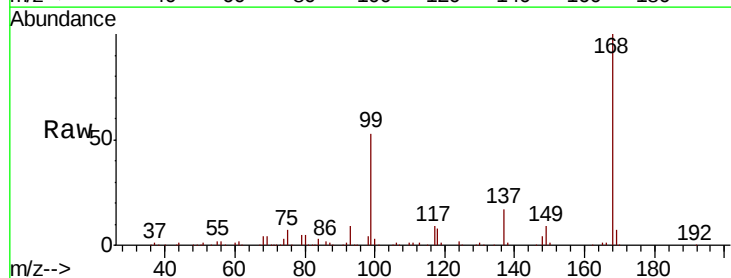
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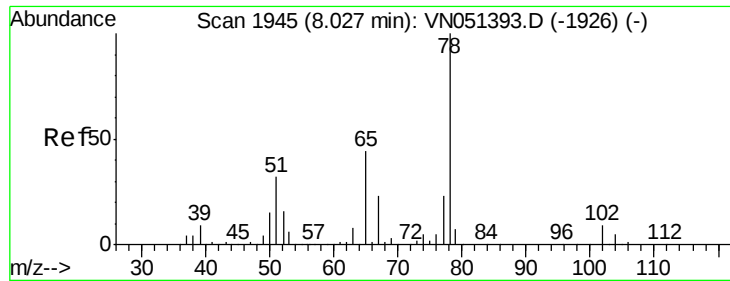
Tgt Ion: 83 Resp: 7482
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6



#31
Cyclohexane
Concen: 0.935 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051414.D
Acq: 23 Sep 2018 15:36

Tgt Ion: 56 Resp: 11970
Ion Ratio Lower Upper
56 100
69 185.3 25.8 38.6#
84 135.0 66.0 99.0#

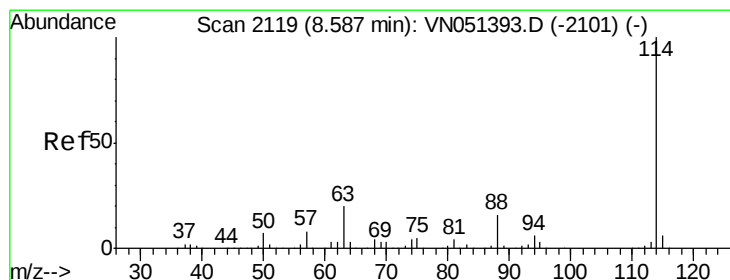
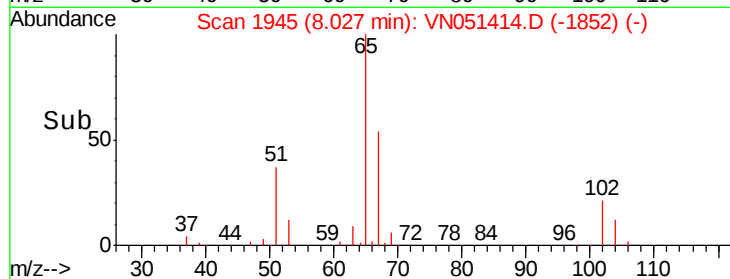
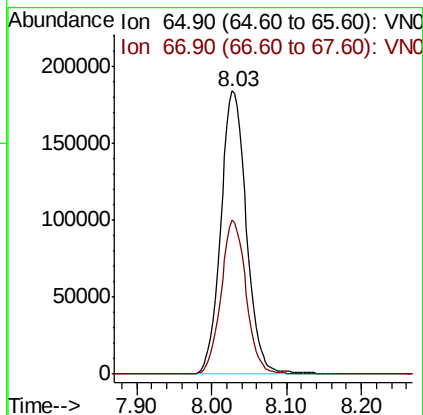
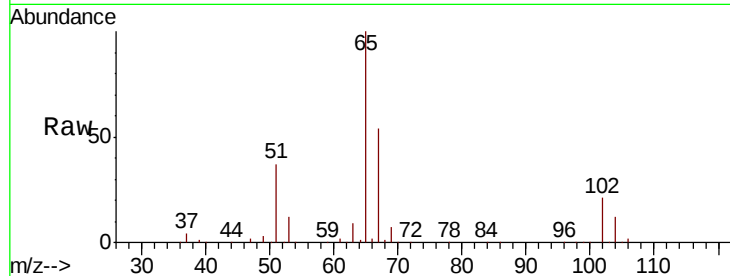




#33
 1,2-Dichloroethane-d4
 Concen: 53.632 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

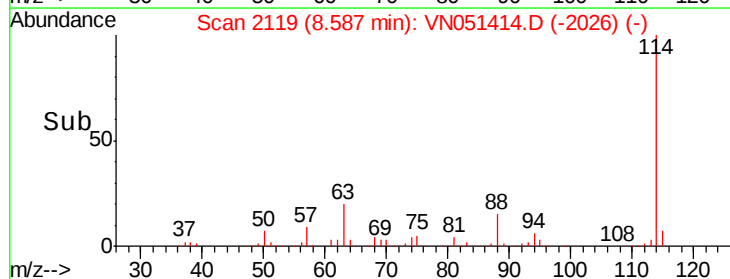
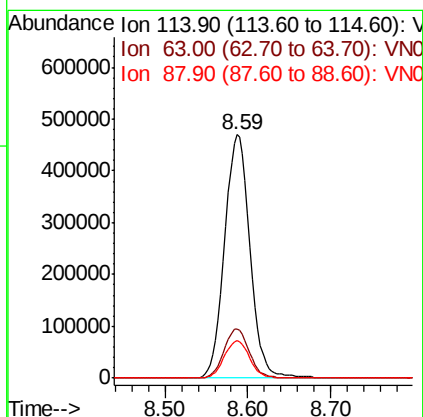
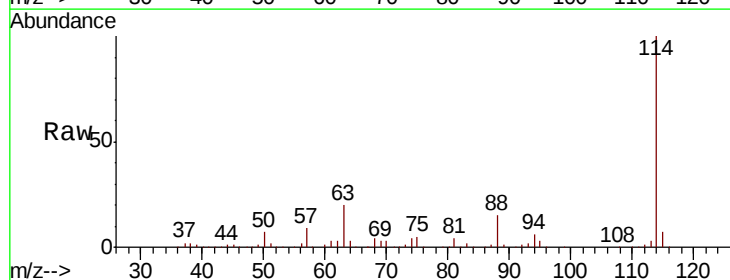
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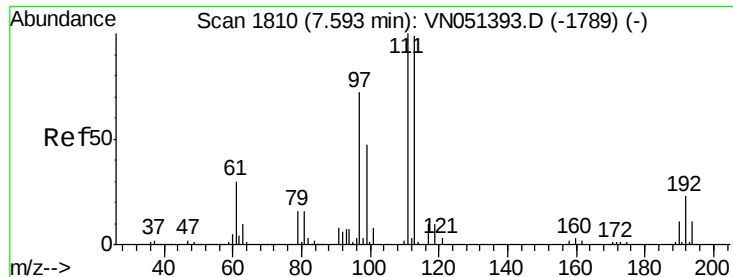
Tgt Ion: 65 Resp: 435939
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

Tgt Ion: 114 Resp: 1002539
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.4 0.0 31.4

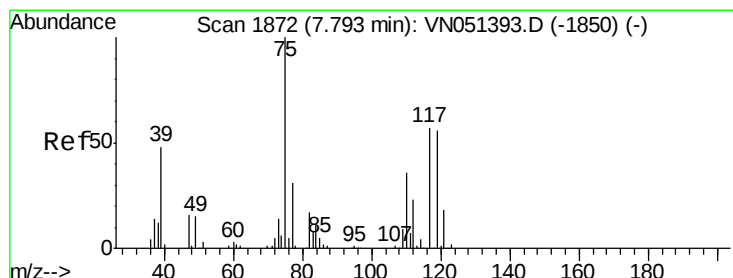
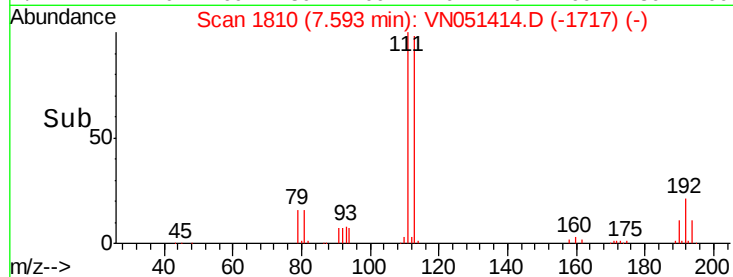
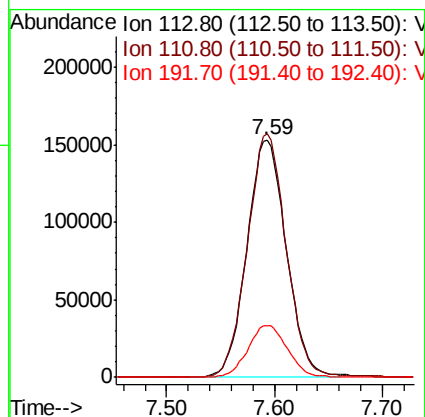
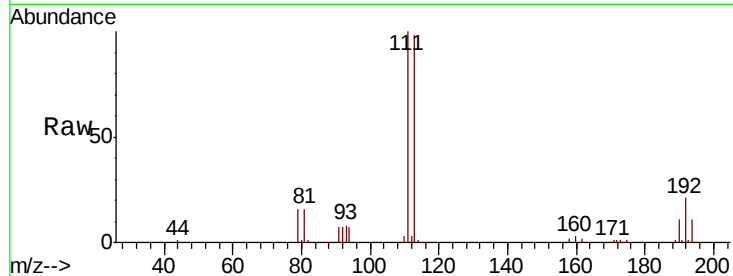




#35
 Dibromofluoromethane
 Concen: 48.477 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

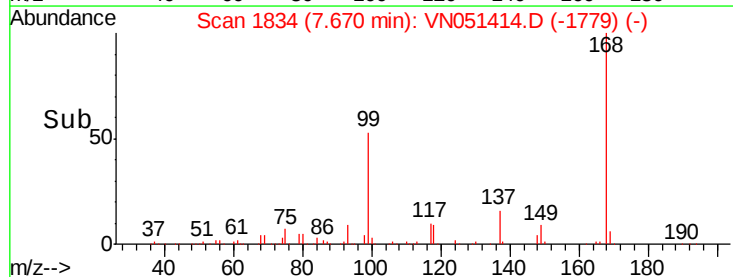
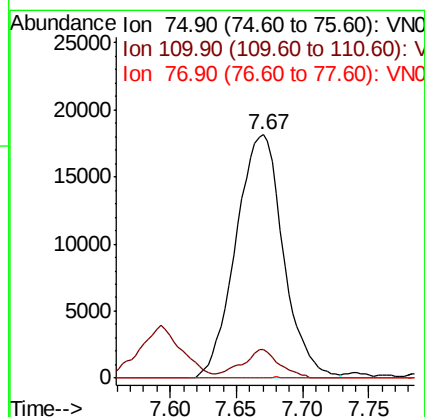
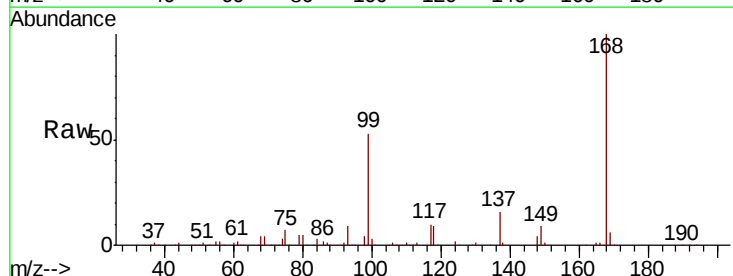
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-04-092018-C

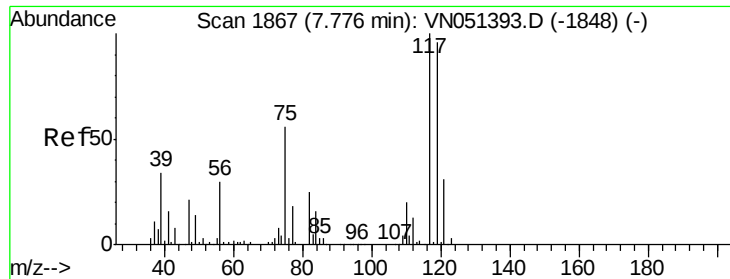
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	22.0	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.896 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.3#
77	0.1	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.958 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

Instrument :

MSVOA_N

ClientSampled :

PL-04-092018-C

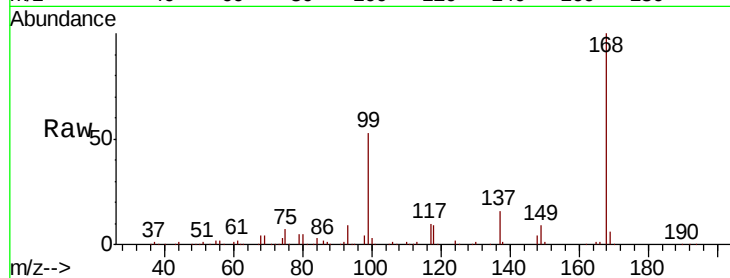
Tgt Ion:117 Resp: 60203

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

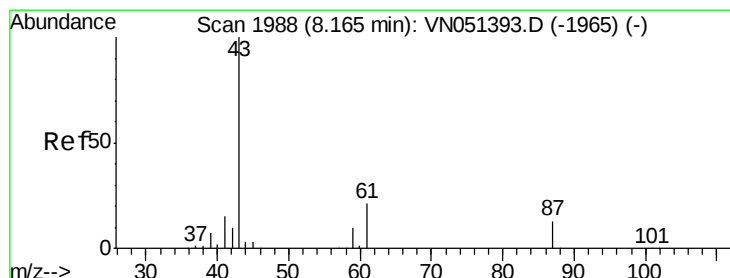
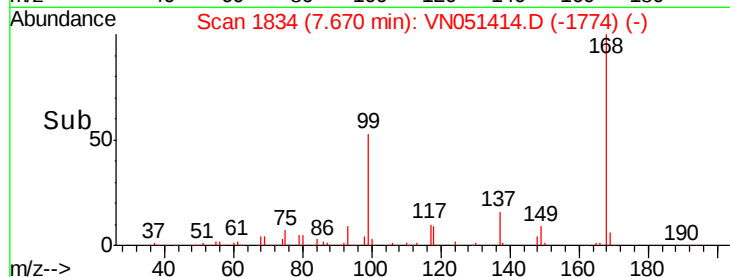
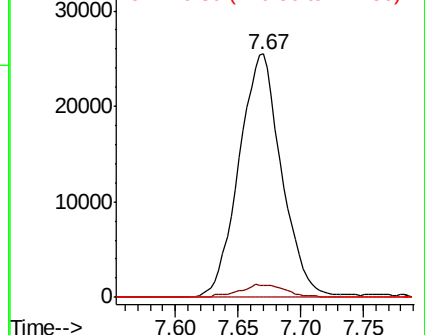
121 0.0 24.6 37.0#



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: 20.216 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

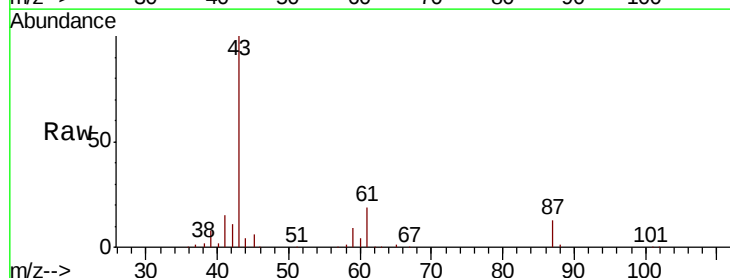
Tgt Ion: 43 Resp: 244011

Ion Ratio Lower Upper

43 100

61 18.2 16.8 25.2

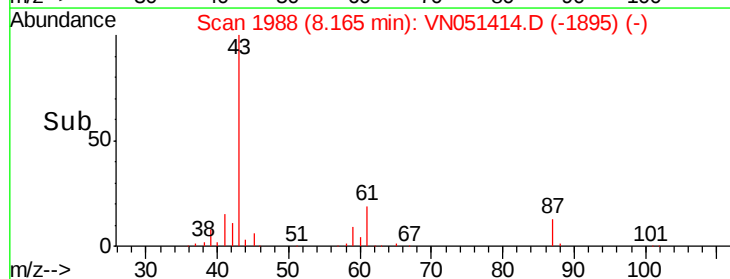
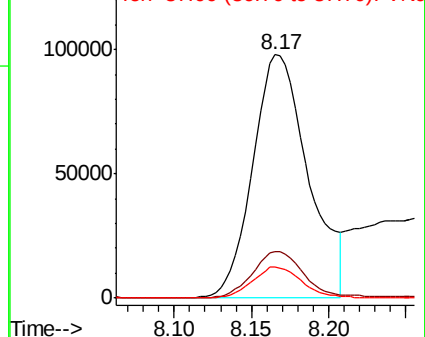
87 11.5 10.7 16.1

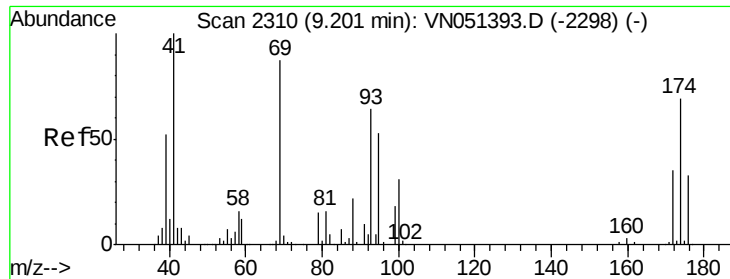


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

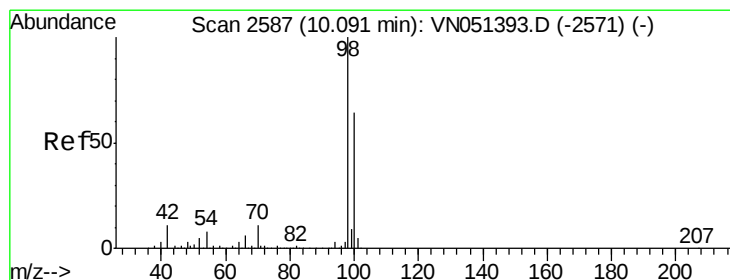
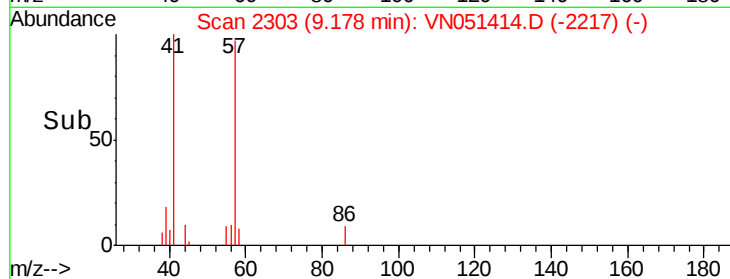
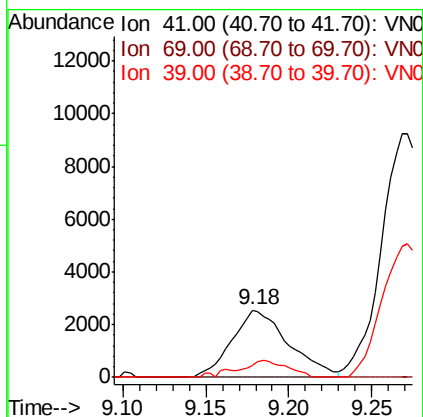
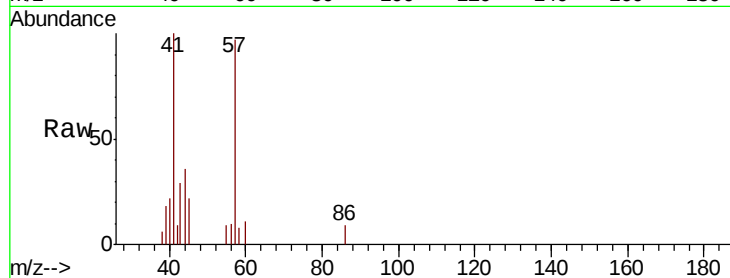




#48
Methyl methacrylate
Concen: 1.012 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN051414.D
Acq: 23 Sep 2018 15:36

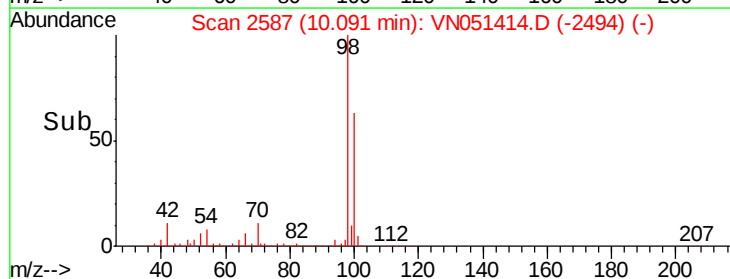
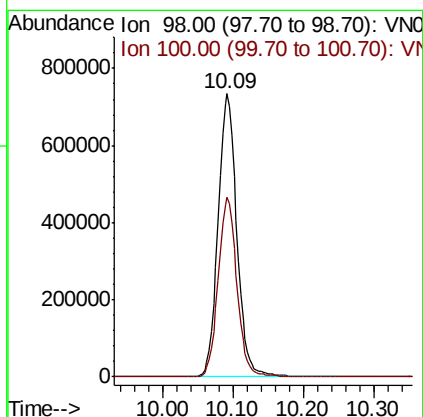
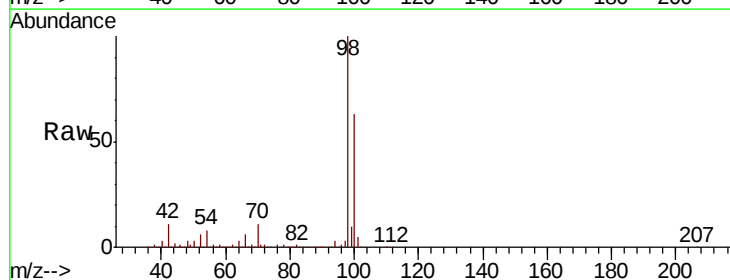
Instrument :
MSVOA_N
ClientSampleId :
PL-04-092018-C

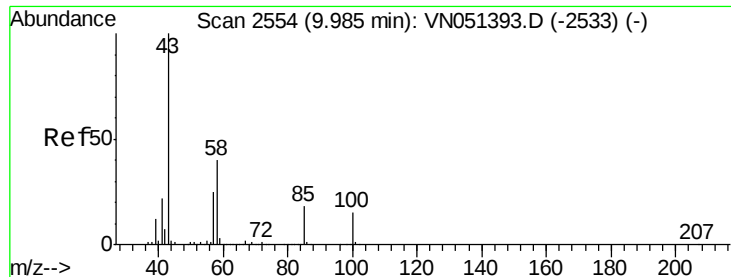
Tgt Ion: 41 Resp: 6091
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 17.1 43.8 65.8#



#50
Toluene-d8
Concen: 45.101 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051414.D
Acq: 23 Sep 2018 15:36

Tgt Ion: 98 Resp: 1361550
Ion Ratio Lower Upper
98 100
100 63.3 50.6 75.8

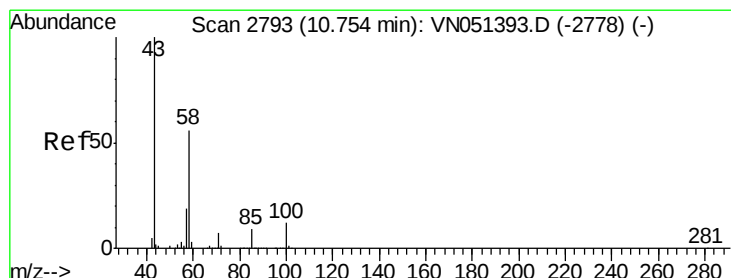
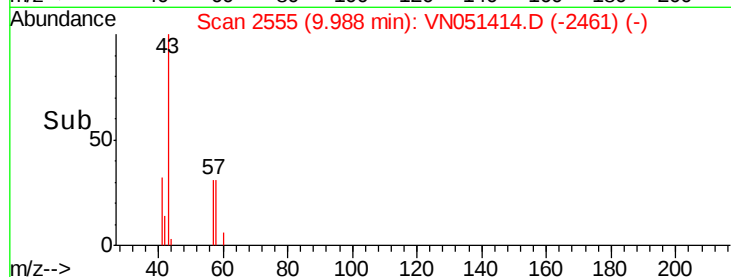
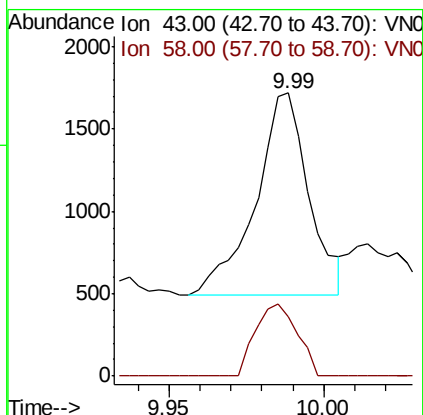
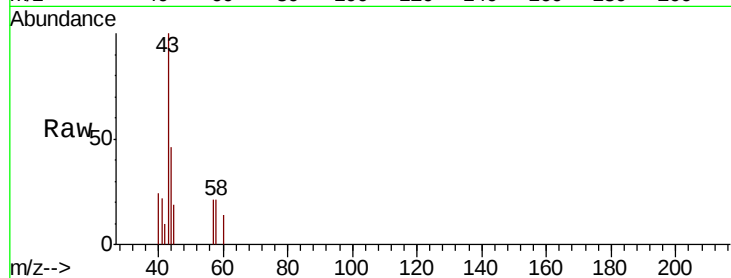




#51
 4-Methyl-2-Pentanone
 Concen: 0.221 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

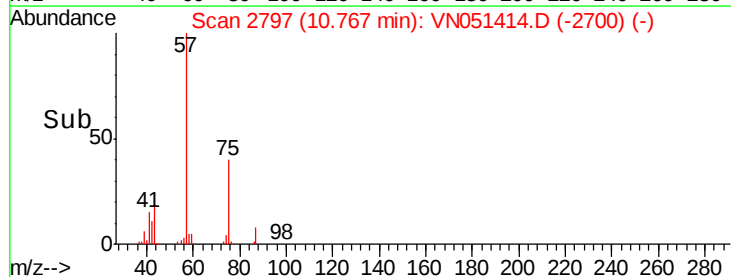
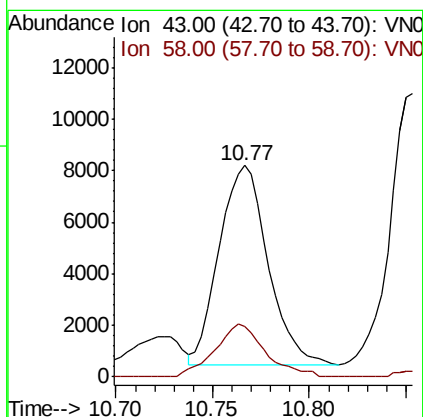
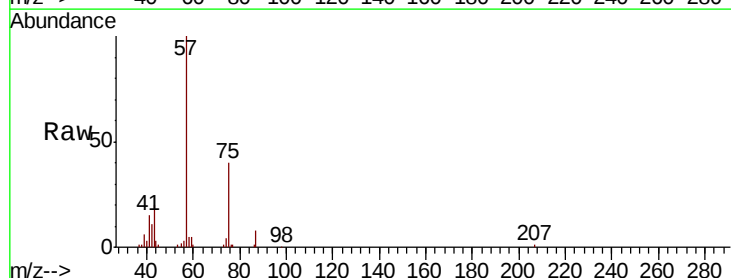
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-04-092018-C

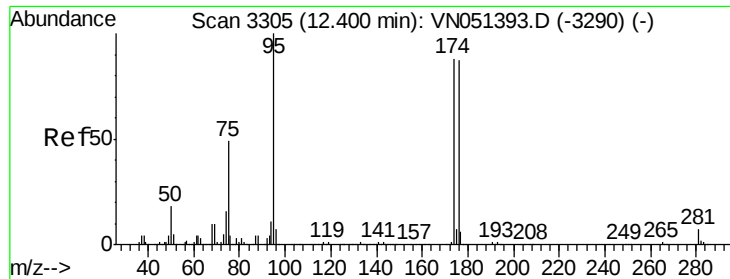
Tgt Ion: 43 Resp: 1465
 Ion Ratio Lower Upper
 43 100
 58 28.1 31.5 47.3#



#59
 2-Hexanone
 Concen: 3.164 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051414.D
 Acq: 23 Sep 2018 15:36

Tgt Ion: 43 Resp: 13615
 Ion Ratio Lower Upper
 43 100
 58 27.1 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 36.234 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

PL-04-092018-C

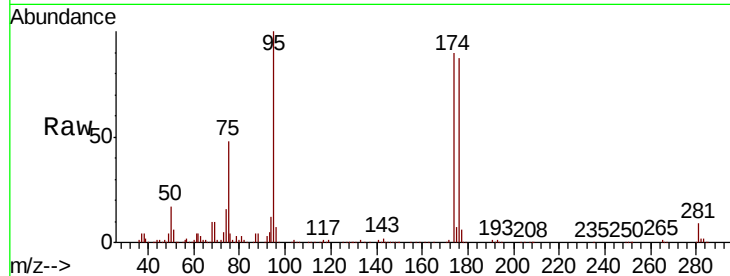
Tgt Ion: 95 Resp: 353863

Ion Ratio Lower Upper

95 100

174 91.5 0.0 181.6

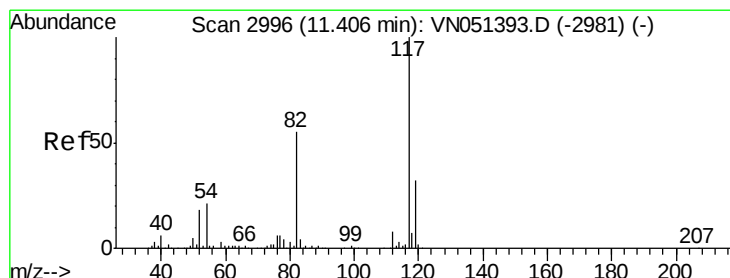
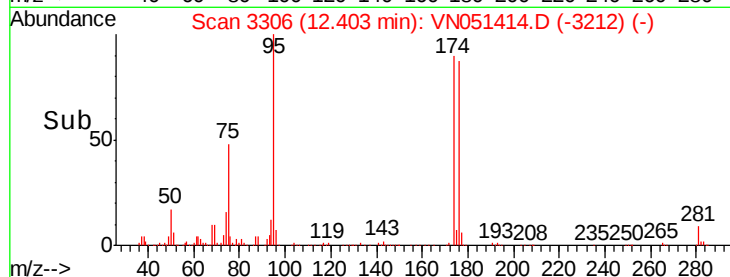
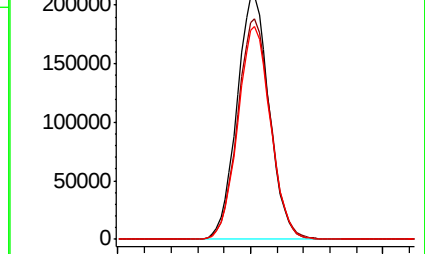
176 88.1 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

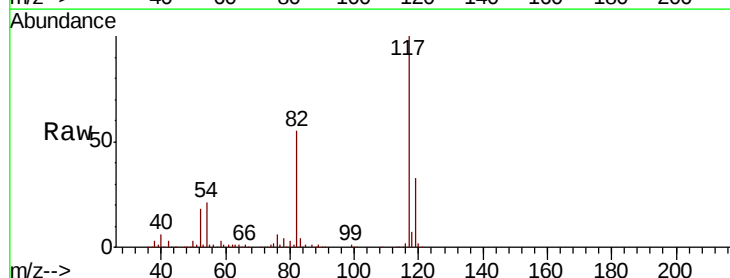
Tgt Ion: 117 Resp: 794463

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

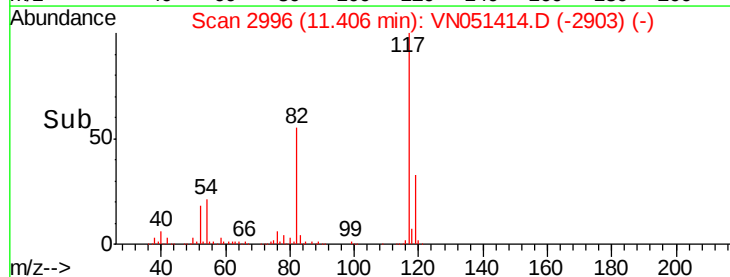
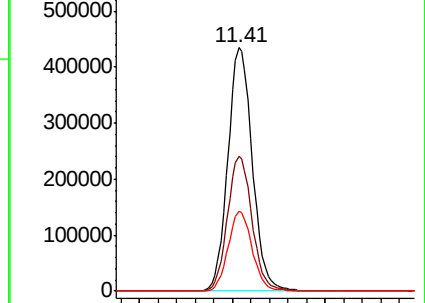
119 32.6 25.9 38.9

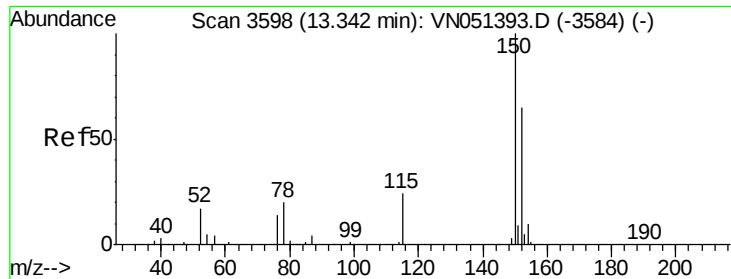


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

PL-04-092018-C

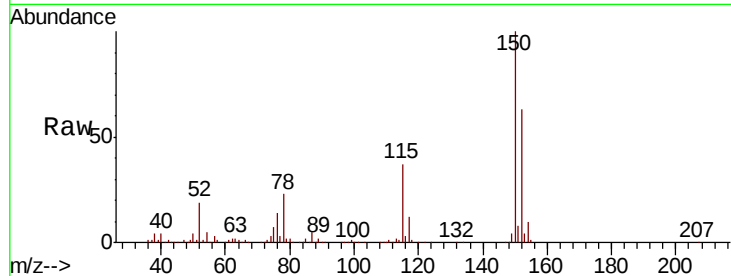
Tgt Ion:152 Resp: 268310

Ion Ratio Lower Upper

152 100

115 56.8 28.3 84.9

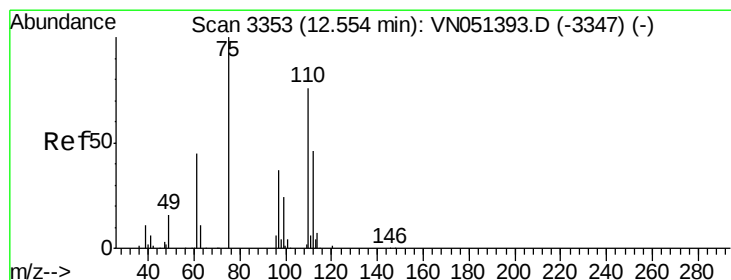
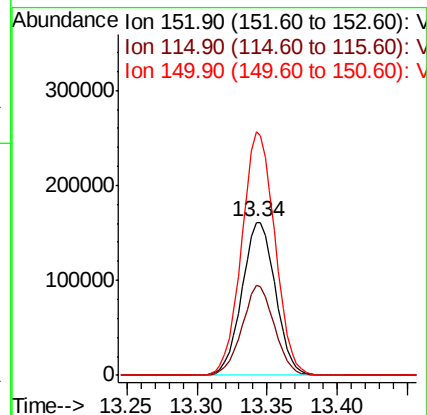
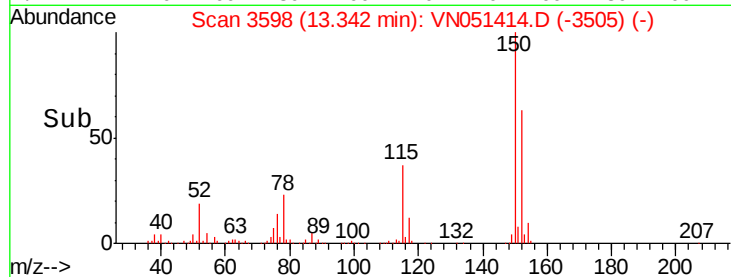
150 158.0 0.0 353.6



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: 39.519 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051414.D

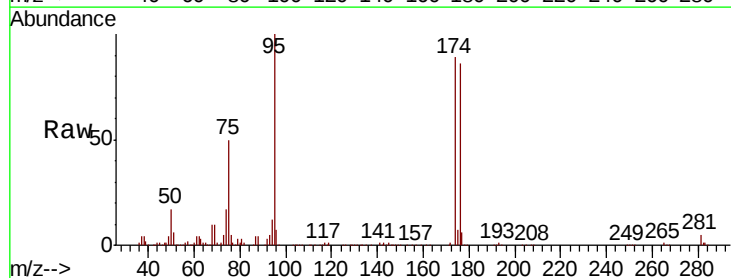
Acq: 23 Sep 2018 15:36

Tgt Ion: 75 Resp: 176022

Ion Ratio Lower Upper

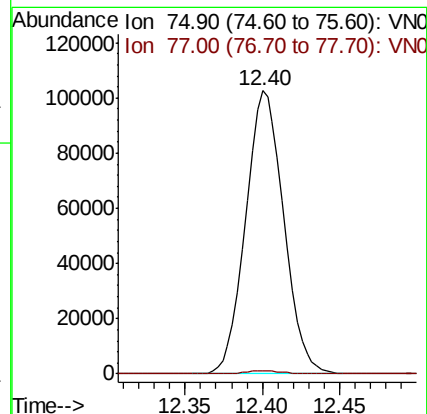
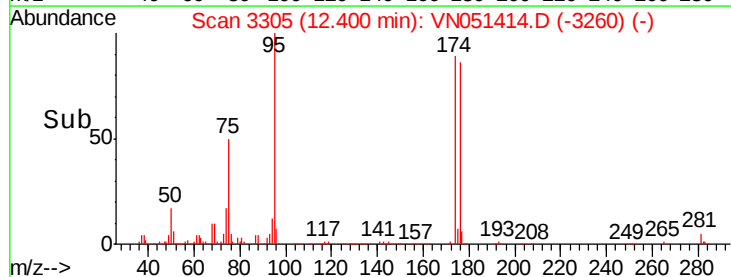
75 100

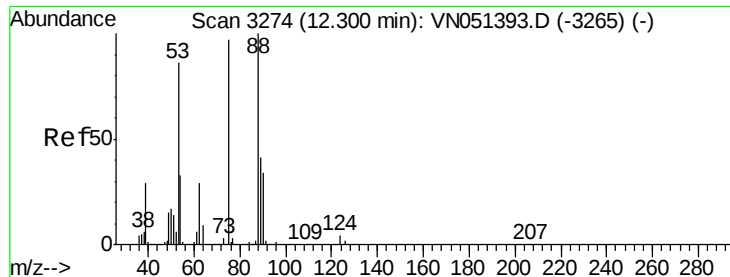
77 1.1 0.0 0.0#



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: 121.518 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

PL-04-092018-C

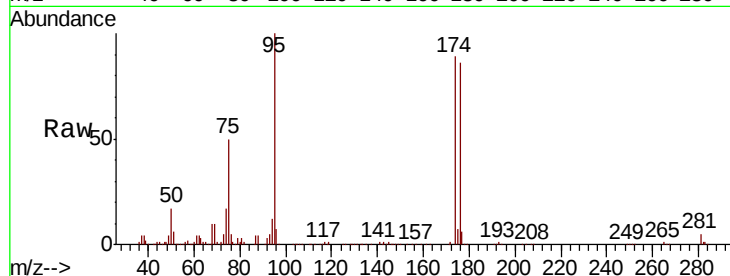
Tgt Ion: 75 Resp: 176022

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

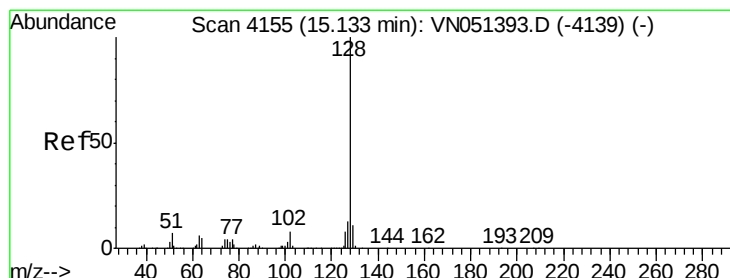
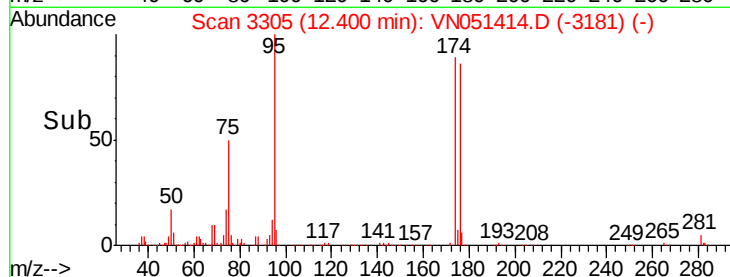
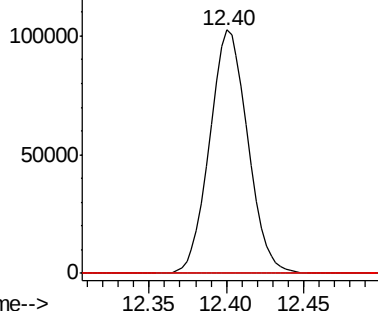
89 0.0 36.7 55.1#



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



#95

Naphthalene

Concen: 8.824 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051414.D

Acq: 23 Sep 2018 15:36

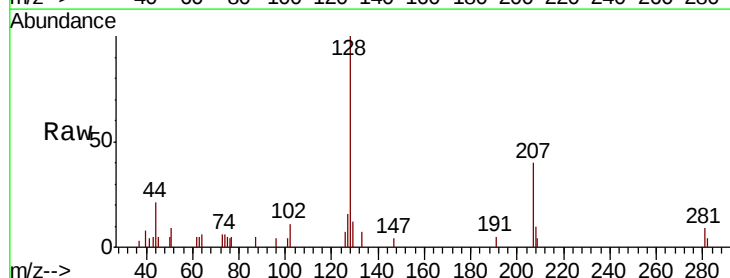
Tgt Ion: 128 Resp: 9270

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 12.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

