

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050574.D
 Acq On : 13 Aug 2018 17:36
 Operator : MD\SY
 Sample : PB111961ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#07

Quant Time: Aug 14 01:01:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	626778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1046398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	431106	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.59	113	403864	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.09	98	1434043	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	401582	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	

Target Compounds

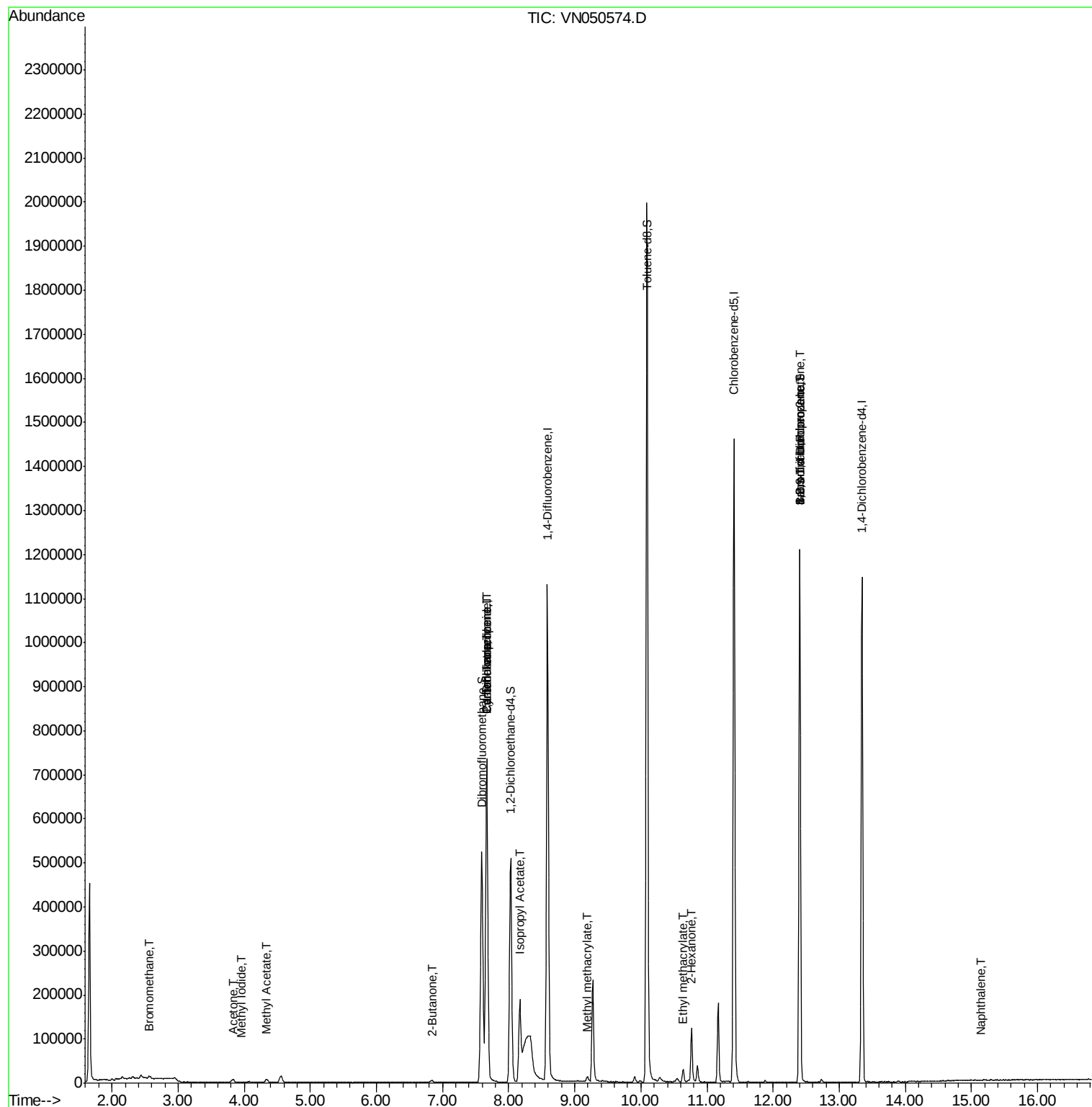
						Qvalue
3) Chloromethane	2.06	50	3171	Below Cal		98
5) Bromomethane	2.57	94	4095	1.10 ug/l		88
10) Methyl Iodide	3.96	142	1127	0.36 ug/l #		78
16) Acetone	3.82	43	13733	5.15 ug/l		97
18) Methyl Acetate	4.34	43	14742	2.09 ug/l		96
25) 2-Butanone	6.85	43	2712	0.65 ug/l		92
31) Cyclohexane	7.67	56	11338	0.32 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	44516	3.87 ug/l #		48
38) Carbon Tetrachloride	7.67	117	55063	4.59 ug/l #		17
43) Isopropyl Acetate	8.17	43	231477	16.19 ug/l		98
48) Methyl methacrylate	9.18	41	6978	0.97 ug/l #		19
56) Ethyl methacrylate	10.64	69	455	1.75 ug/l #		1
59) 2-Hexanone	10.77	43	16652	2.32 ug/l #		58
71) Bromoform	12.41	173	3596	0.60 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	192402	32.17 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	192402	113.01 ug/l #		13
95) Naphthalene	15.14	128	238	3.63 ug/l #		69

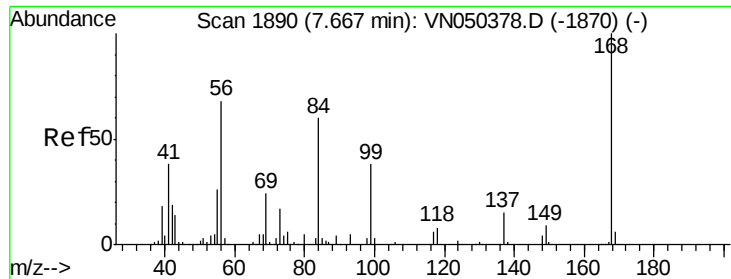
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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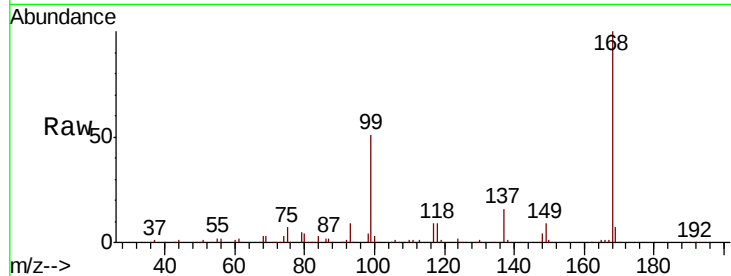


#1

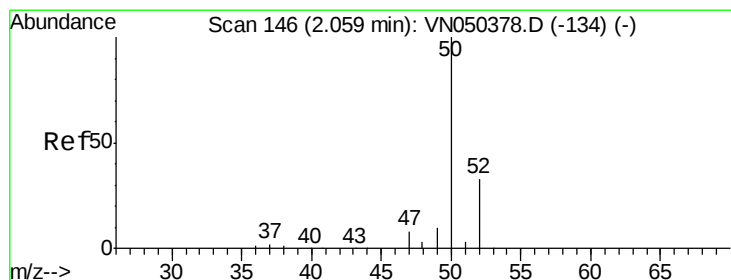
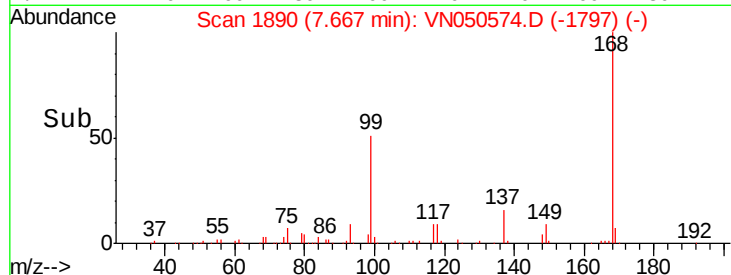
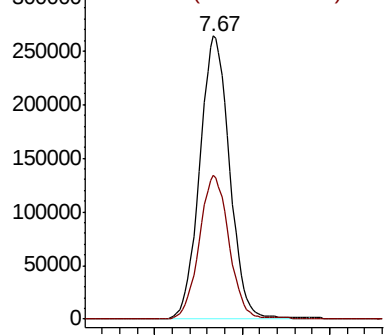
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050574.D
 Acq: 13 Aug 2018 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#07

Tot Ion:168 Resp: 626778
 Ion Ratio Lower Upper
 168 100
 99 50.7 40.0 60.0



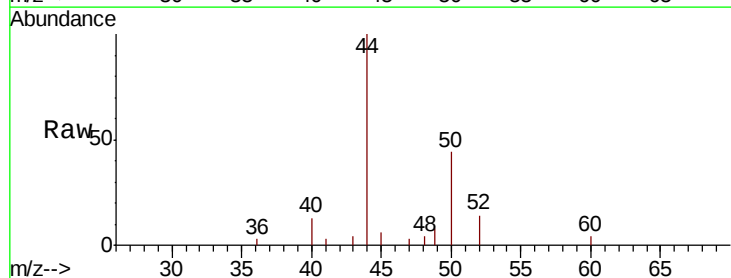
Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)
 Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)



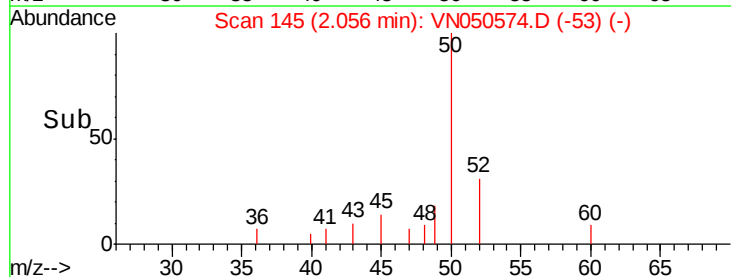
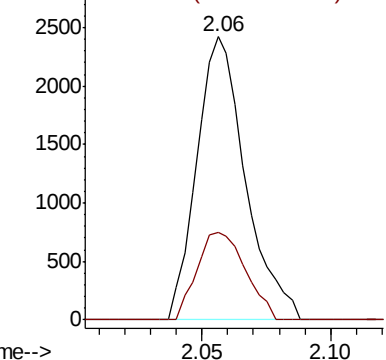
#3

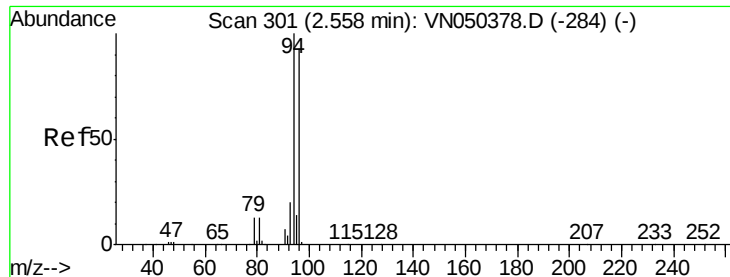
Chloromethane
 Concen: Below Cal
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN050574.D
 Acq: 13 Aug 2018 17:36

Tgt Ion: 50 Resp: 3171
 Ion Ratio Lower Upper
 50 100
 52 31.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)
 Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)





#5

Bromomethane

Concen: 1.10 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

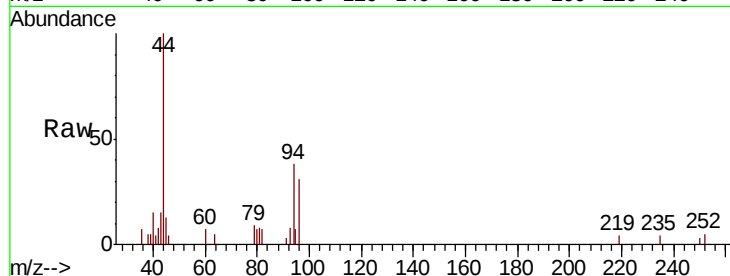
PB111961ZHE#07

Tot Ion: 94 Resp: 4095

Ion Ratio Lower Upper

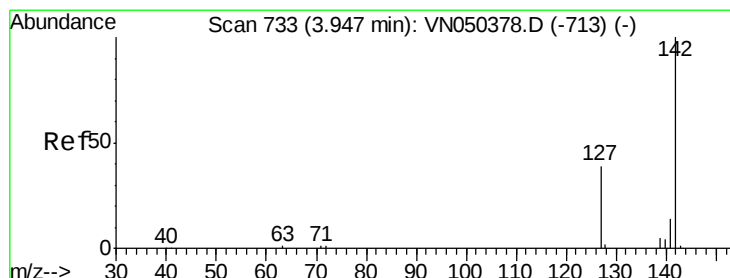
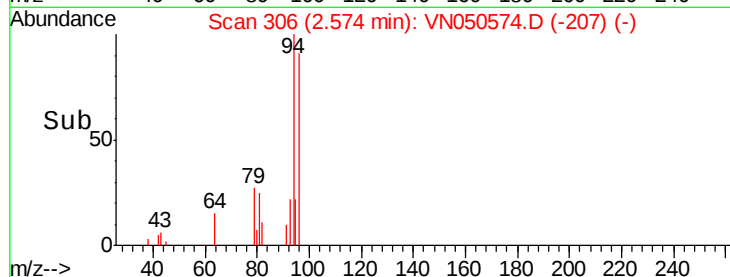
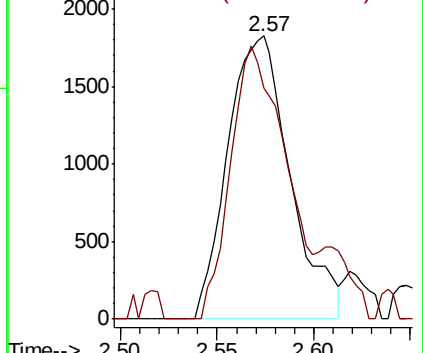
94 100

96 81.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 0.36 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

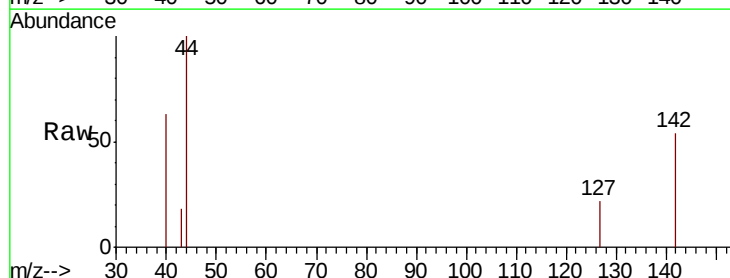
Tgt Ion: 142 Resp: 1127

Ion Ratio Lower Upper

142 100

127 30.7 33.4 50.2#

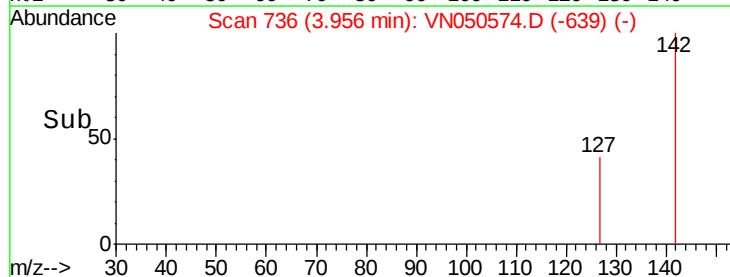
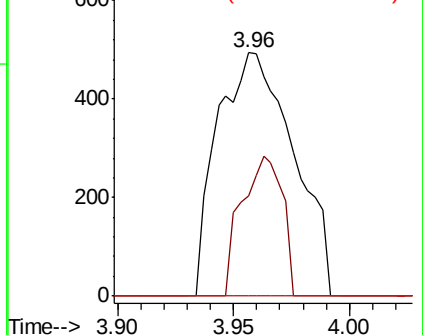
141 0.0 11.6 17.4#

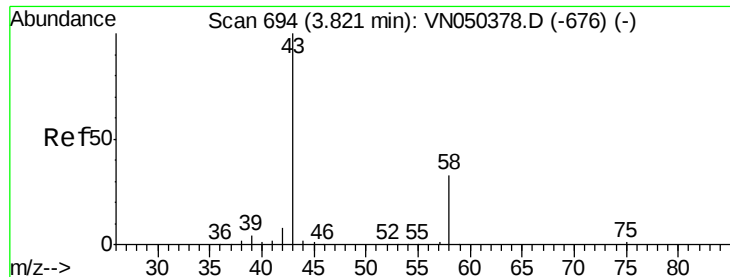


Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)





#16

Acetone

Concen: 5.15 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

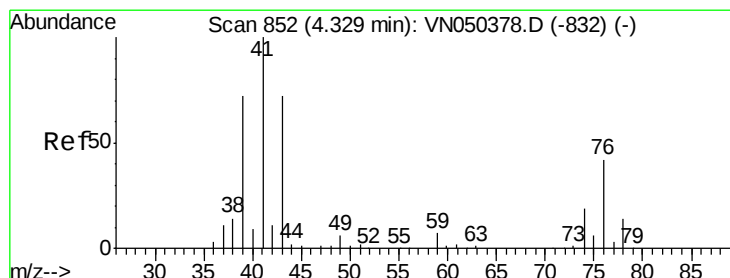
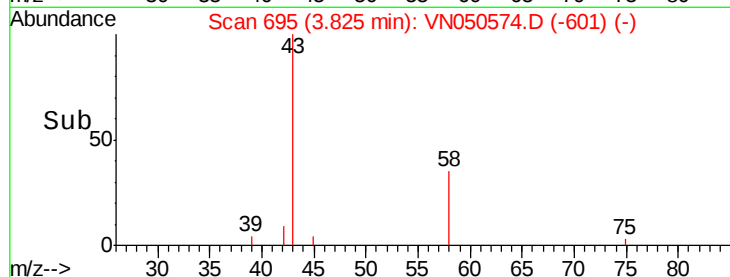
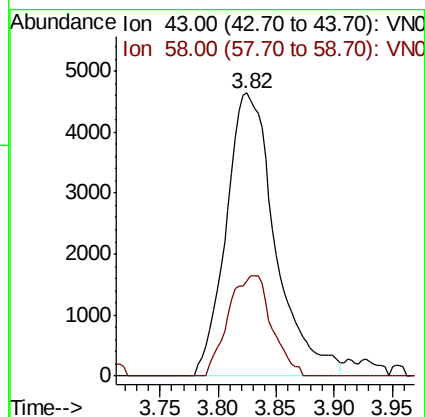
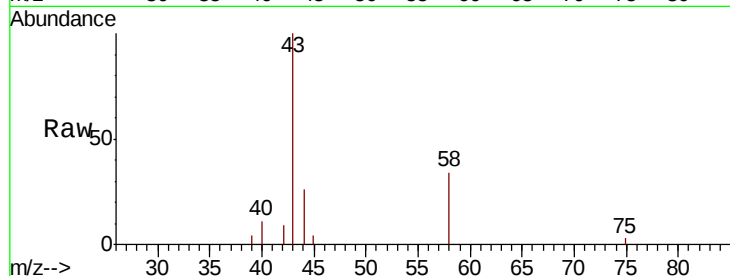
PB111961ZHE#07

Tot Ion: 43 Resp: 13733

Ion Ratio Lower Upper

43 100

58 33.8 25.8 38.8



#18

Methyl Acetate

Concen: 2.09 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050574.D

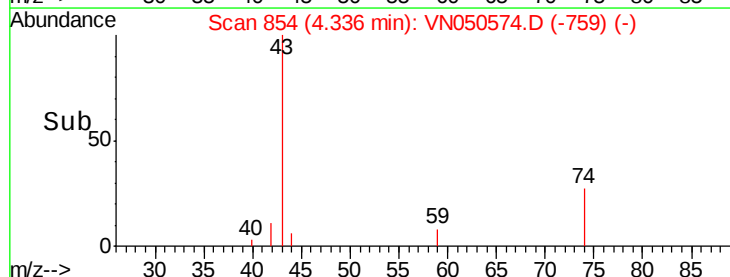
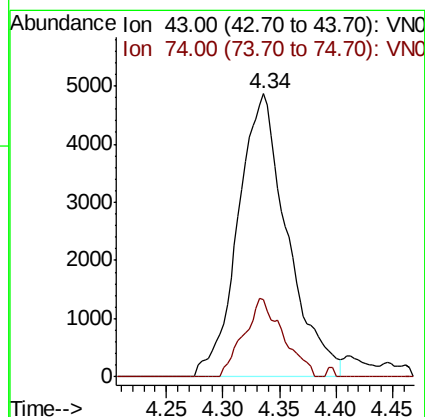
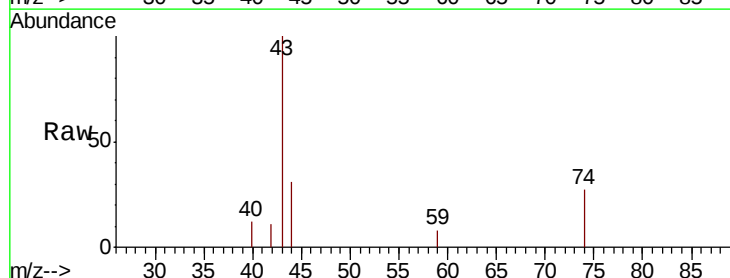
Acq: 13 Aug 2018 17:36

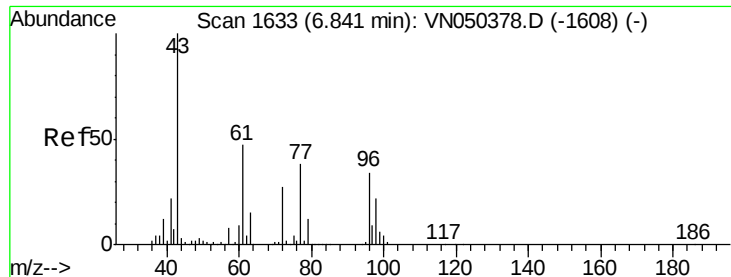
Tgt Ion: 43 Resp: 14742

Ion Ratio Lower Upper

43 100

74 22.1 19.2 28.8

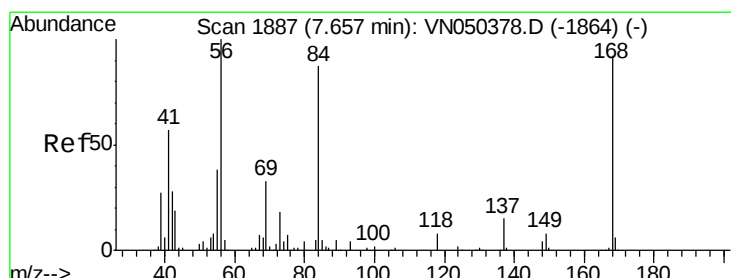
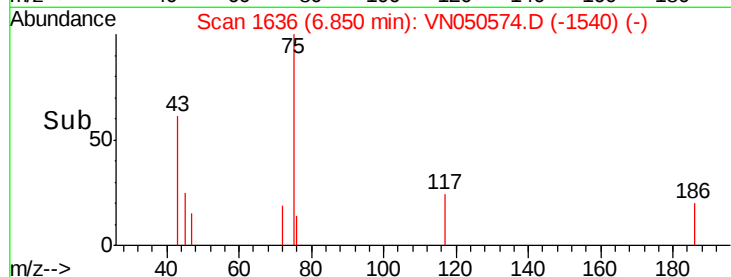
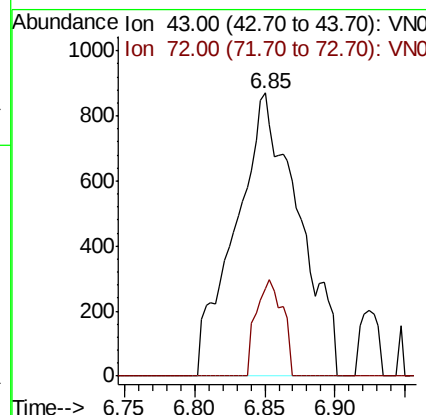
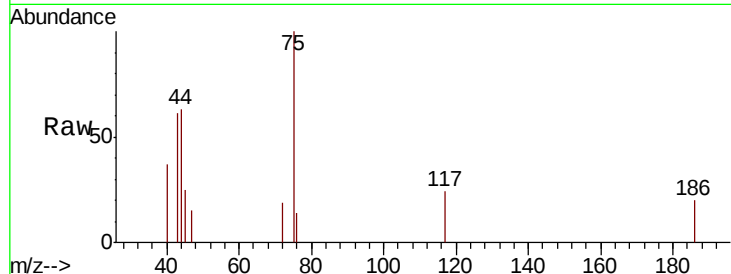




#25
2-Butanone
Concen: 0.65 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050574.D
Acq: 13 Aug 2018 17:36

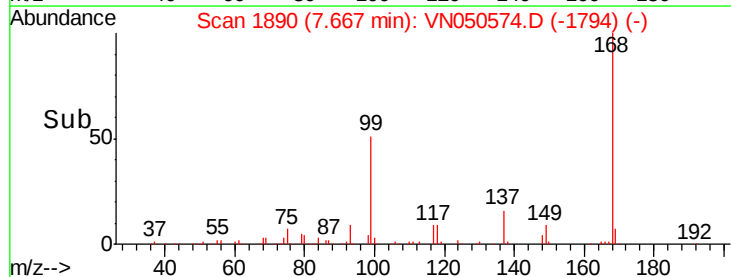
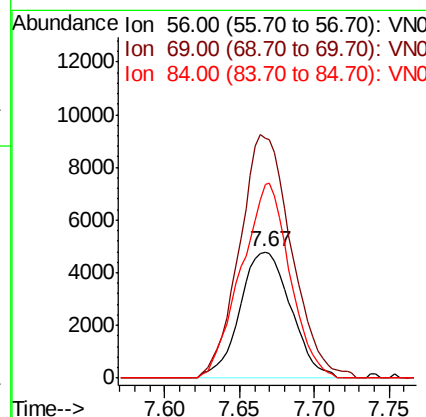
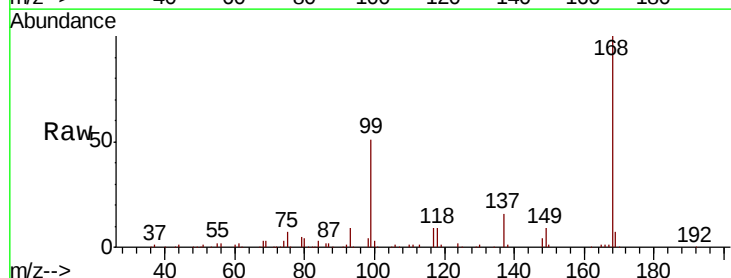
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#07

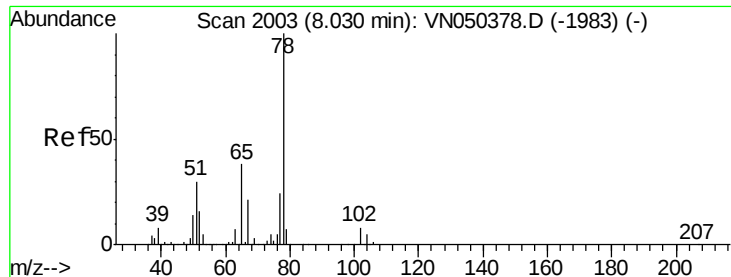
Tot Ion: 43 Resp: 2712
Ion Ratio Lower Upper
43 100
72 31.0 21.5 32.3



#31
Cyclohexane
Concen: 0.32 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050574.D
Acq: 13 Aug 2018 17:36

Tgt Ion: 56 Resp: 11338
Ion Ratio Lower Upper
56 100
69 190.4 26.2 39.4#
84 153.0 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.48 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

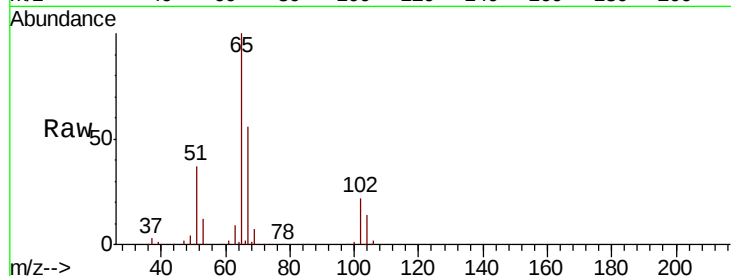
PB111961ZHE#07

Tot Ion: 65 Resp: 431106

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

150000

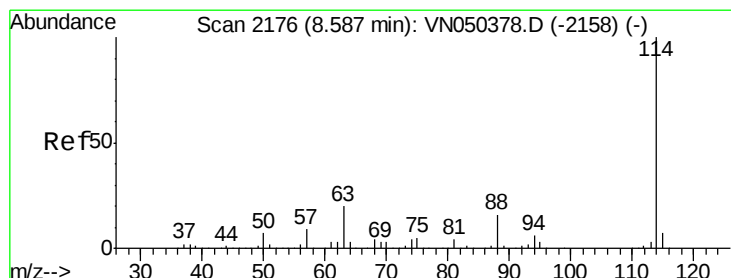
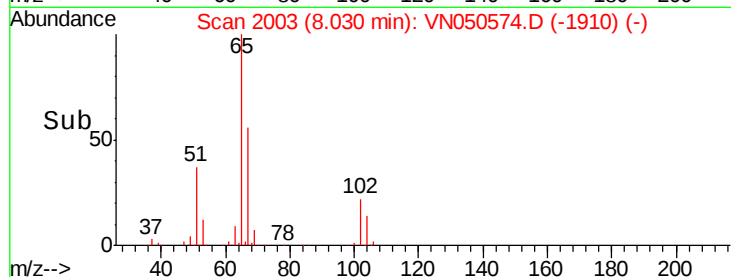
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

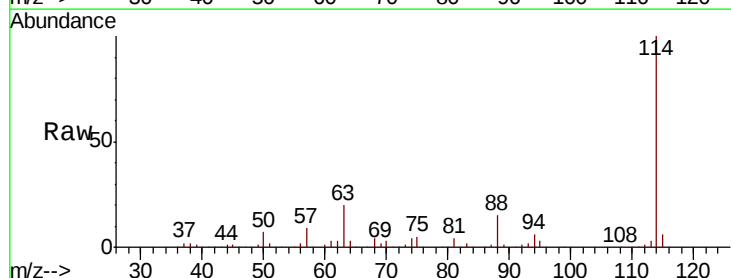
Tgt Ion: 114 Resp: 1046398

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

600000

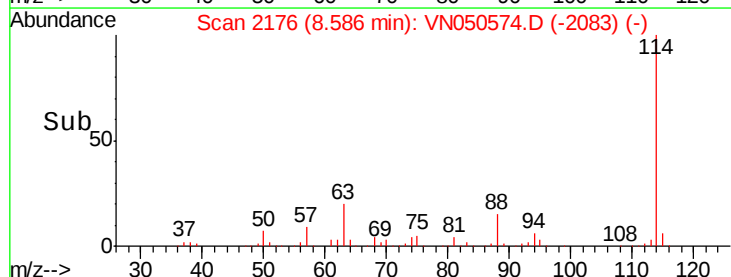
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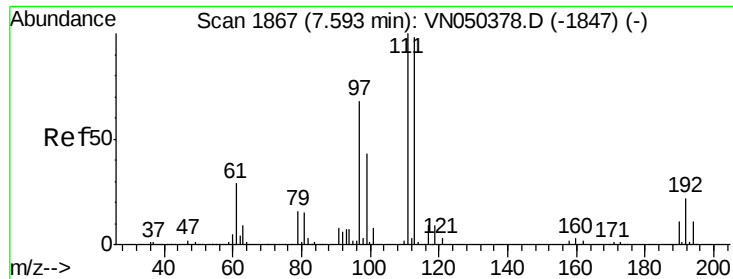
200000

0

8.50 8.60 8.70 8.80

Time-->

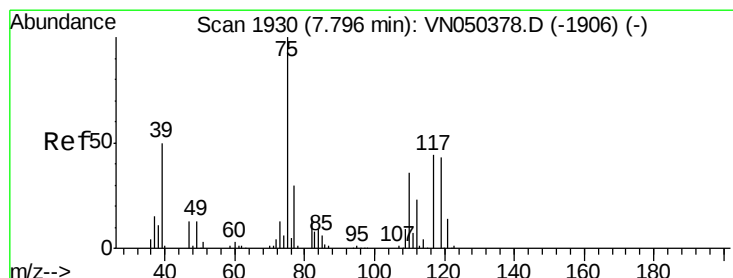
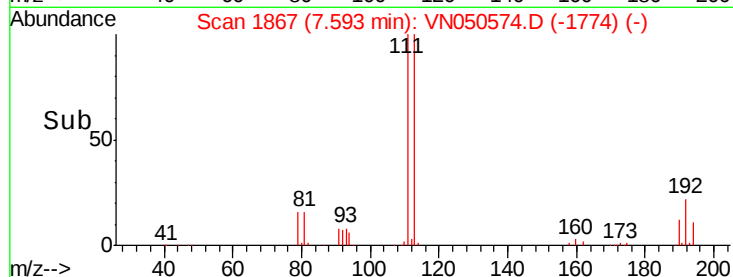
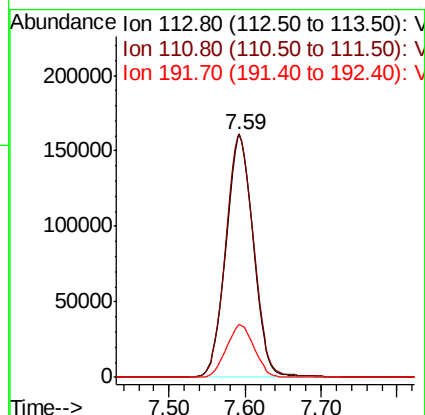
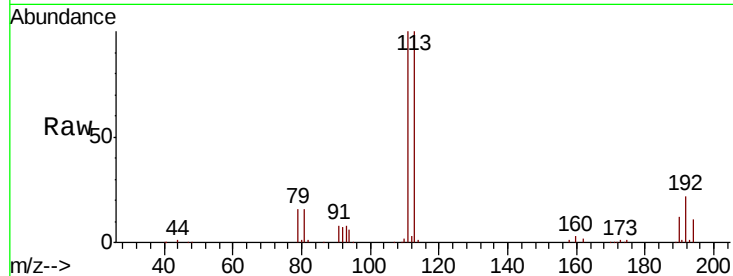




#35
 Dibromofluoromethane
 Concen: 48.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050574.D
 Acq: 13 Aug 2018 17:36

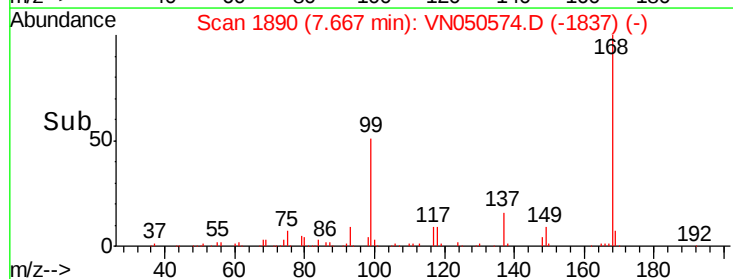
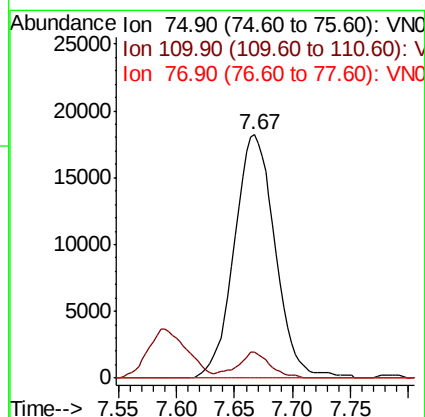
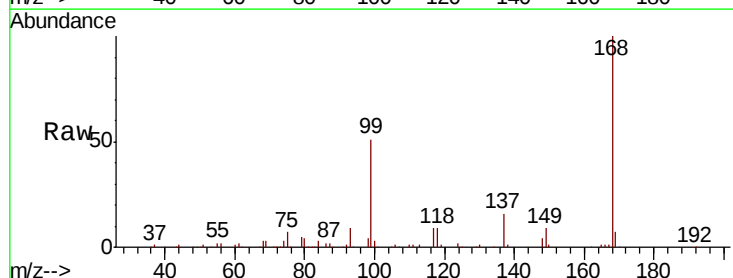
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#07

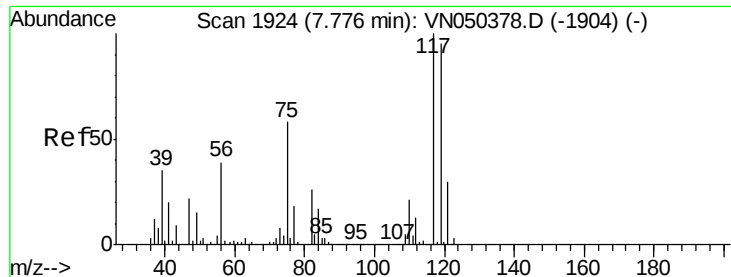
Tot Ion:113 Resp: 403864
 Ion Ratio Lower Upper
 113 100
 111 100.8 80.7 121.1
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050574.D
 Acq: 13 Aug 2018 17:36

Tgt Ion: 75 Resp: 44516
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 25.3 37.9#

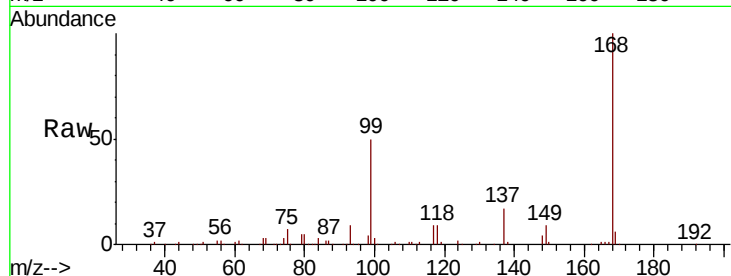




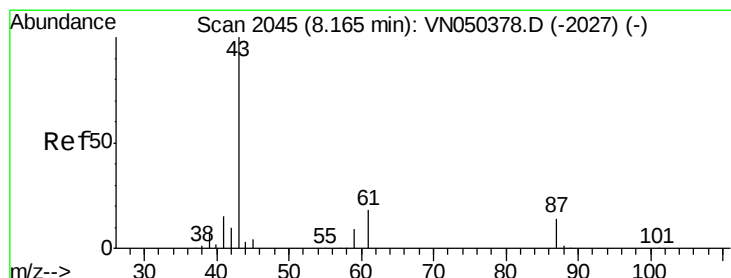
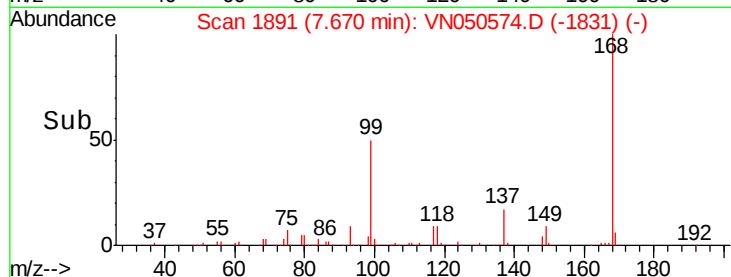
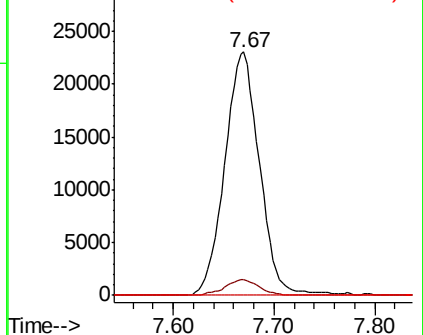
#38
Carbon Tetrachloride
Concen: 4.59 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050574.D
Acq: 13 Aug 2018 17:36

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#07

Tot Ion:117 Resp: 55063
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 23.9 35.9#

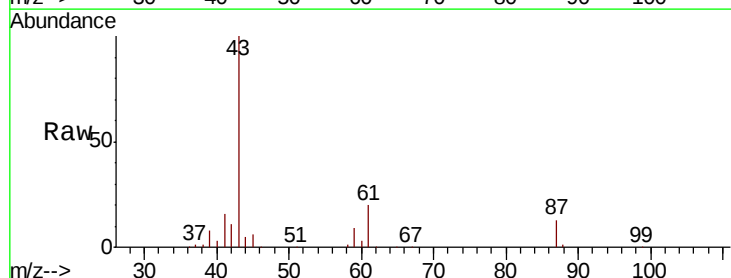


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

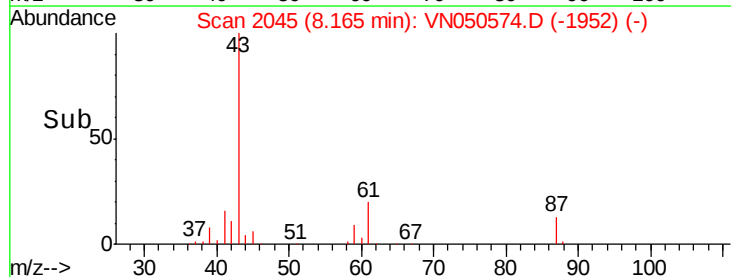
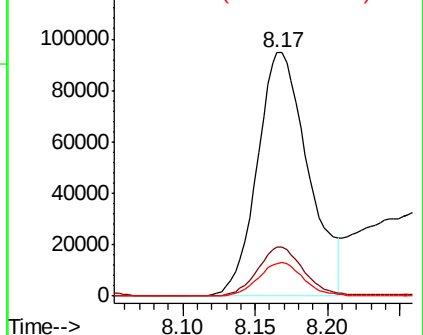


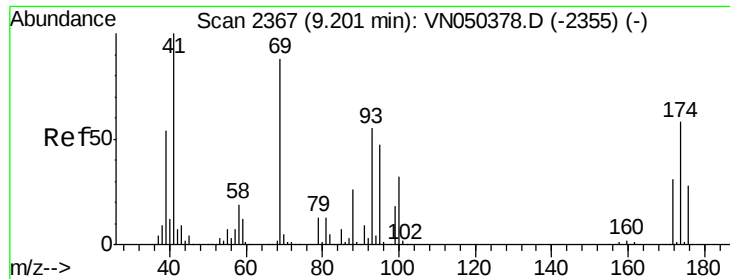
#43
Isopropyl Acetate
Concen: 16.19 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050574.D
Acq: 13 Aug 2018 17:36

Tgt Ion: 43 Resp: 231477
Ion Ratio Lower Upper
43 100
61 18.4 15.8 23.6
87 12.3 10.3 15.5



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

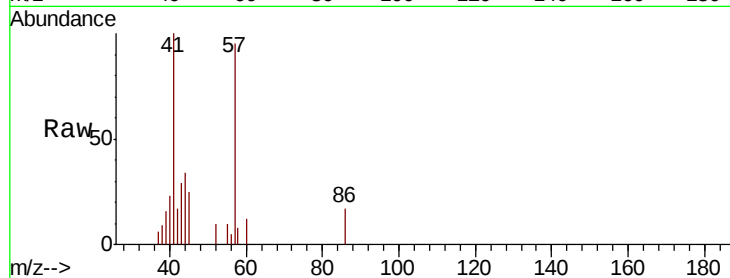




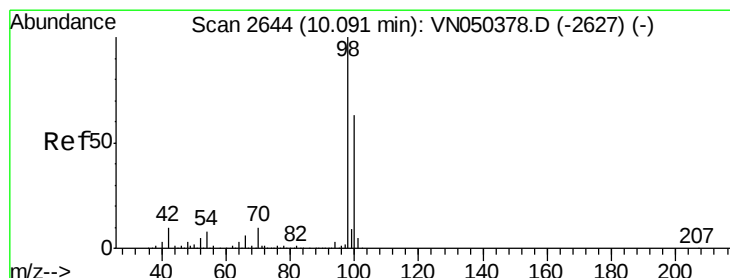
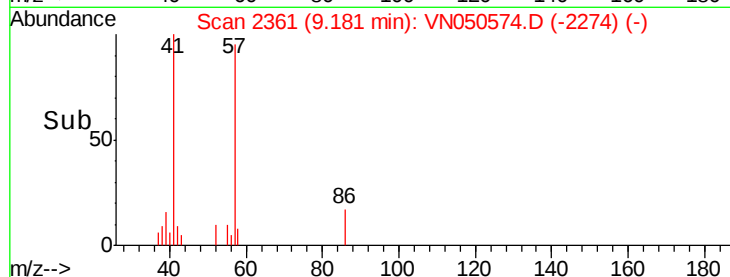
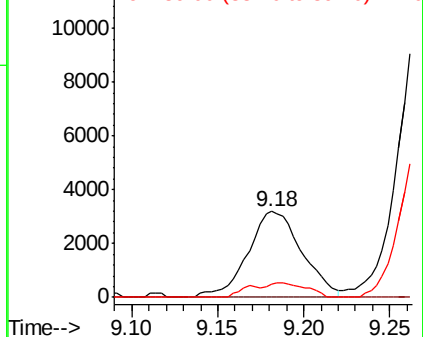
#48
Methyl methacrylate
Concen: 0.97 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050574.D
Acq: 13 Aug 2018 17:36

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#07

Tot Ion: 41 Resp: 6978
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 12.3 43.9 65.9#

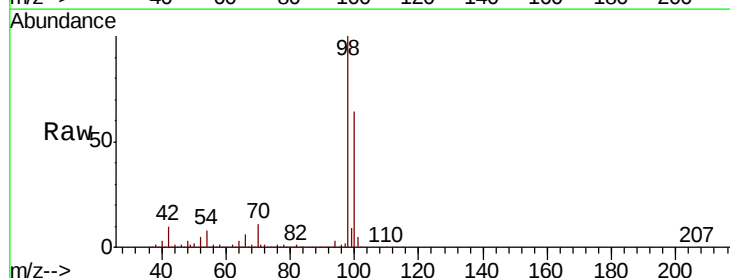


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

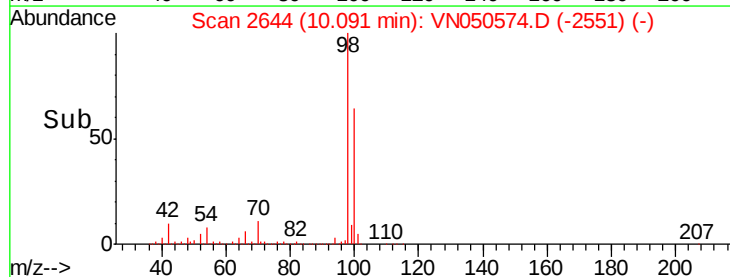
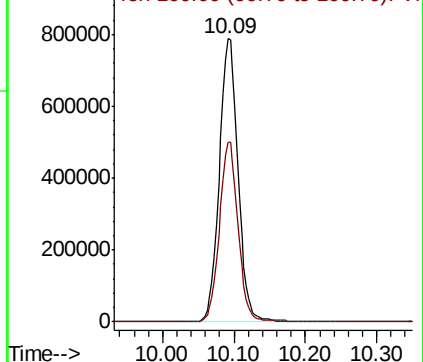


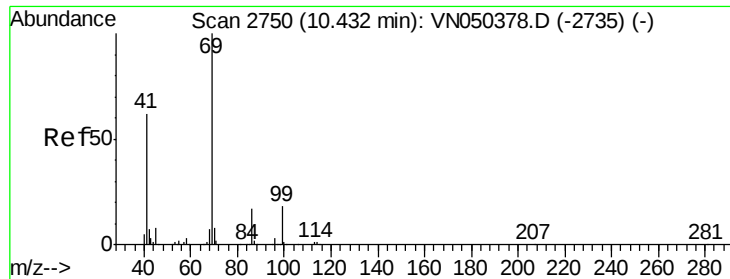
#50
Toluene-d8
Concen: 45.43 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050574.D
Acq: 13 Aug 2018 17:36

Tgt Ion: 98 Resp: 1434043
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



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





#56

Ethyl methacrylate

Concen: 1.75 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#07

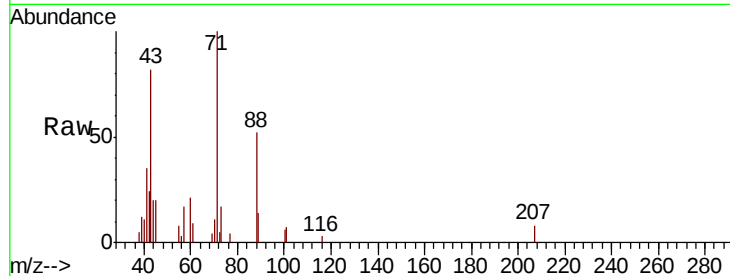
Tot Ion: 69 Resp: 455

Ion Ratio Lower Upper

69 100

41 900.2 51.0 76.4#

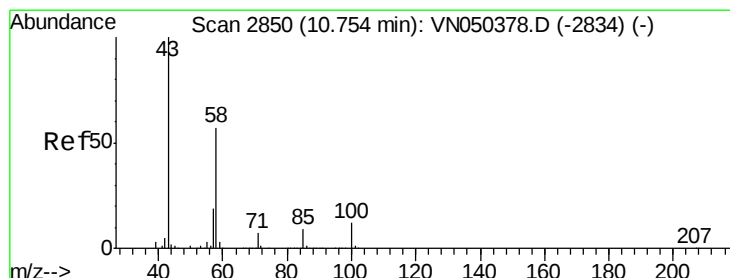
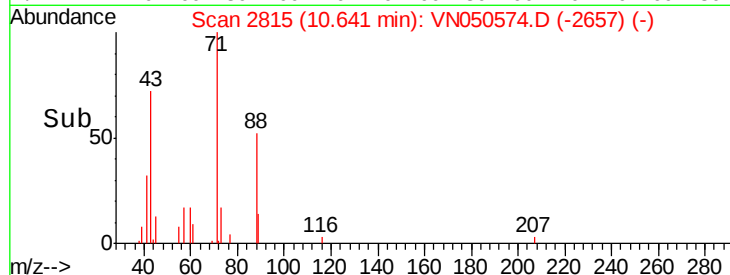
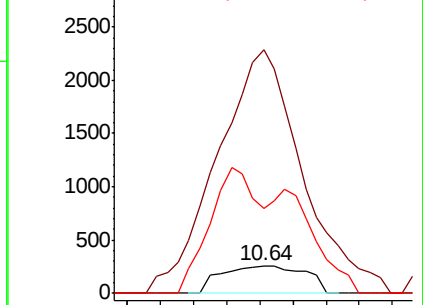
39 265.5 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 2.32 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050574.D

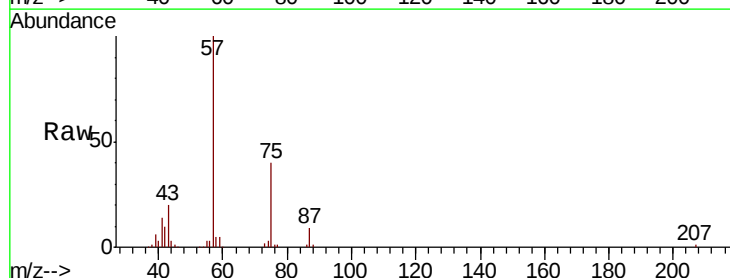
Acq: 13 Aug 2018 17:36

Tgt Ion: 43 Resp: 16652

Ion Ratio Lower Upper

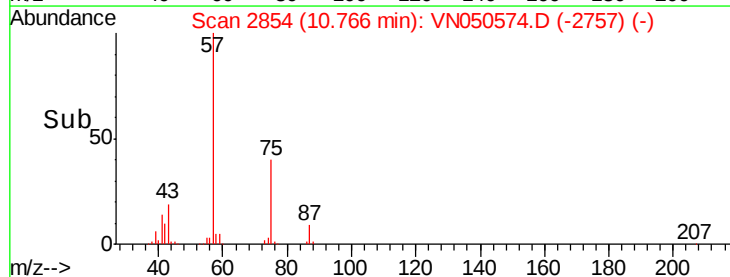
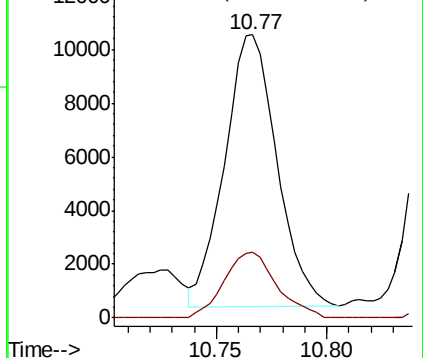
43 100

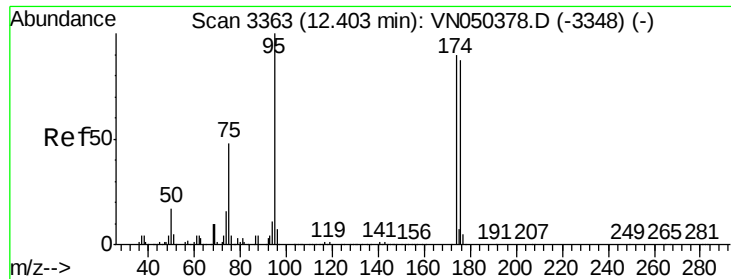
58 24.4 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#07

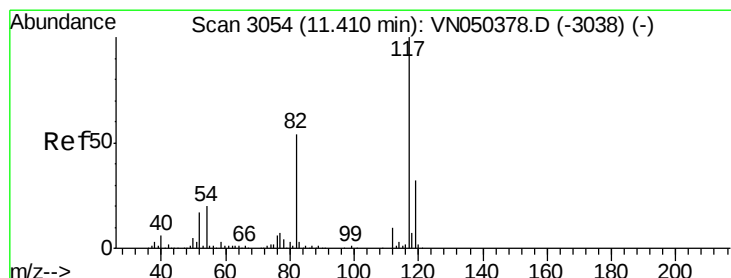
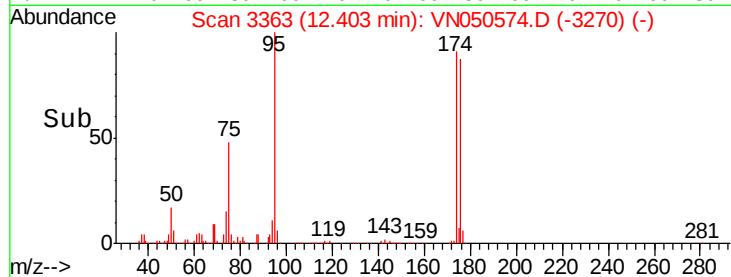
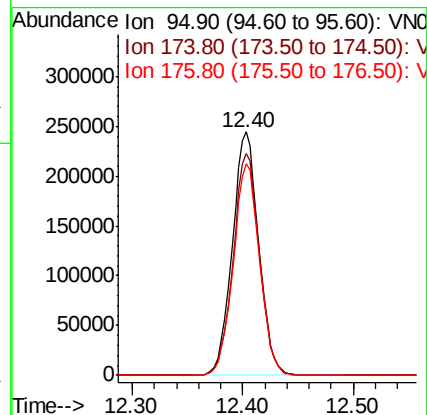
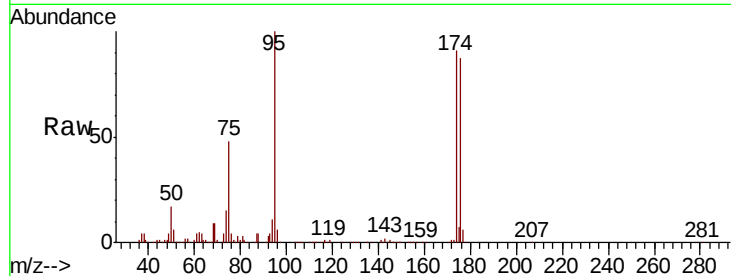
Tot Ion: 95 Resp: 401582

Ion Ratio Lower Upper

95 100

174 91.7 0.0 178.2

176 87.2 0.0 173.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

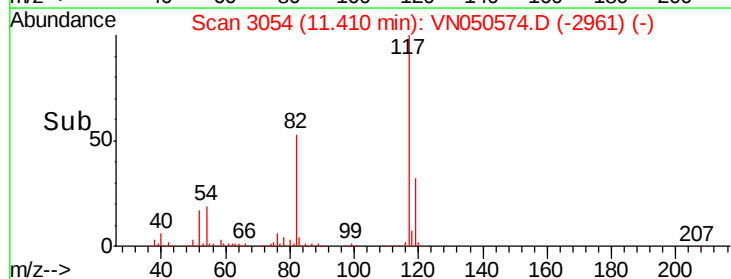
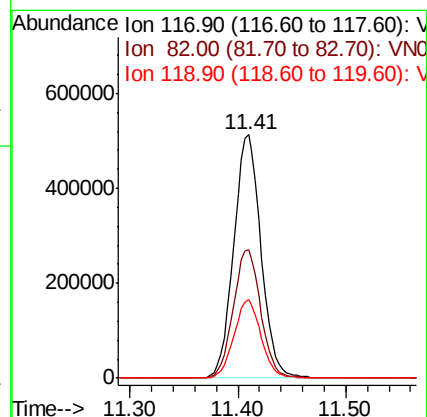
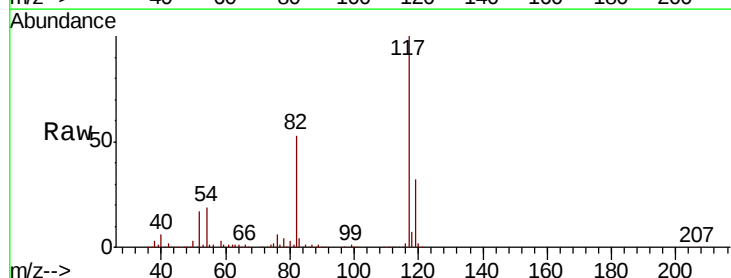
Tgt Ion: 117 Resp: 902761

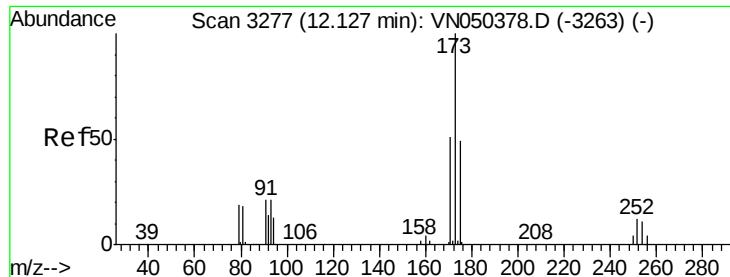
Ion Ratio Lower Upper

117 100

82 52.6 43.7 65.5

119 32.1 26.1 39.1





#71

Bromoform

Concen: 0.60 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#07

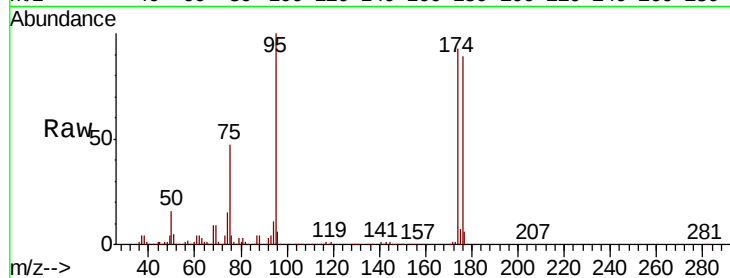
Tot Ion:173 Resp: 3596

Ion Ratio Lower Upper

173 100

175 642.5 24.1 72.2#

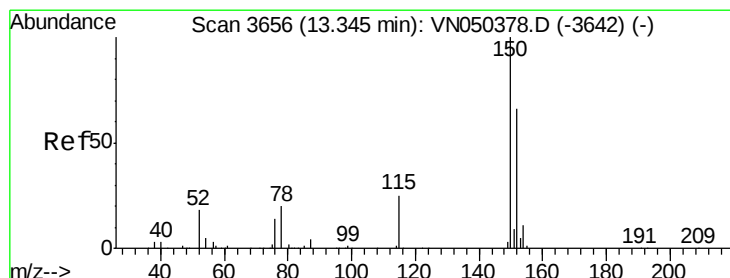
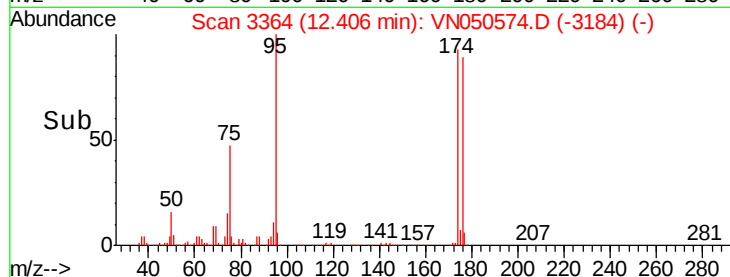
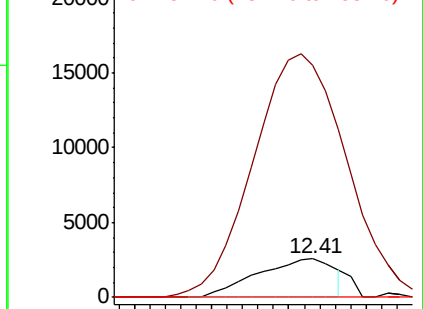
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

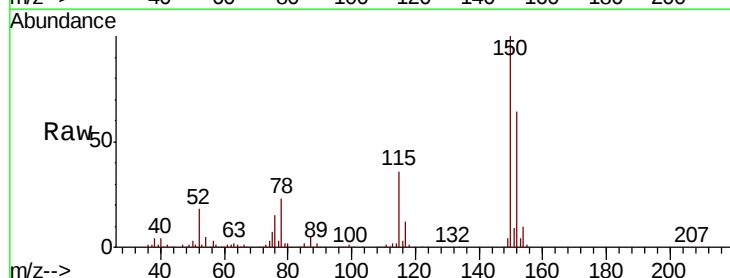
Tgt Ion:152 Resp: 330461

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

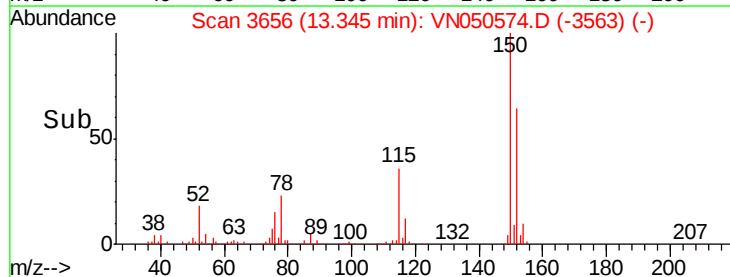
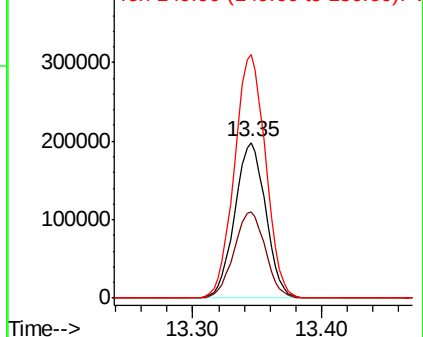
150 157.9 0.0 348.6

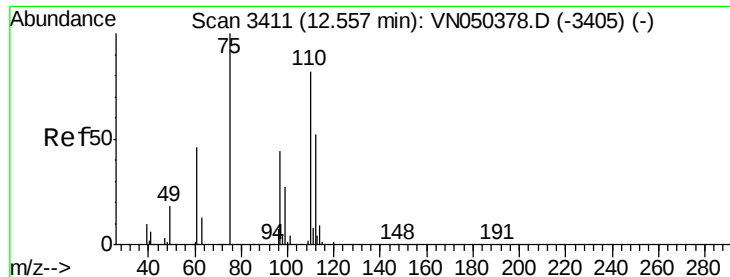


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

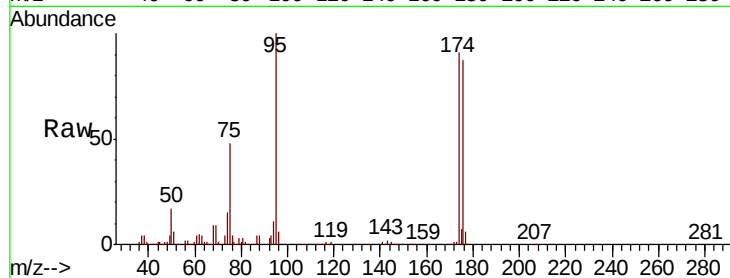
PB111961ZHE#07

Tot Ion: 75 Resp: 192402

Ion Ratio Lower Upper

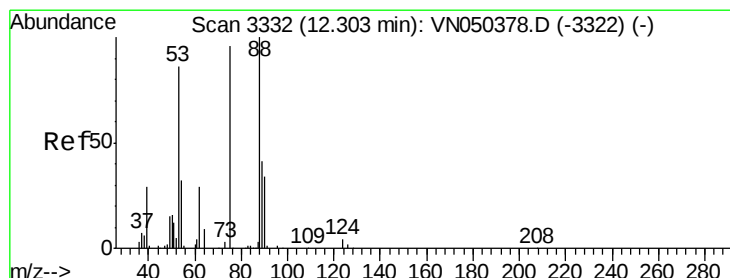
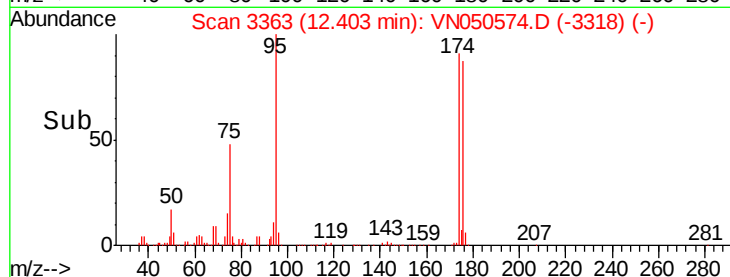
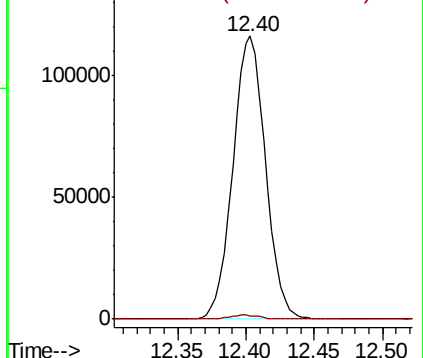
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 113.01 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050574.D

Acq: 13 Aug 2018 17:36

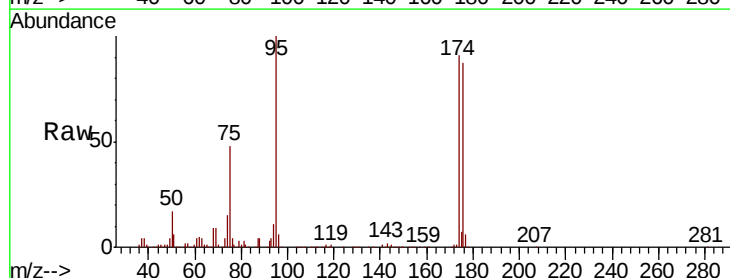
Tgt Ion: 75 Resp: 192402

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

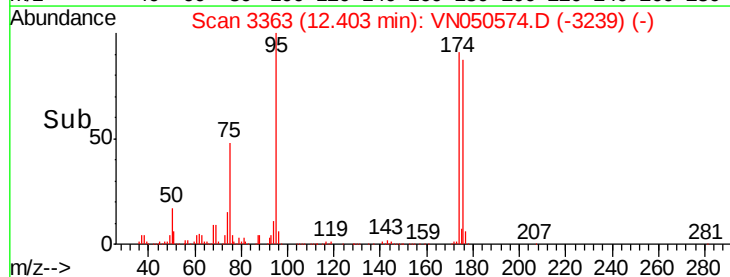
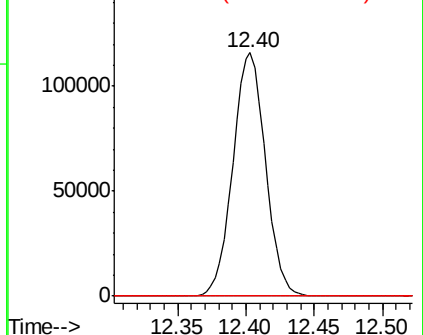
89 0.0 36.0 54.0#

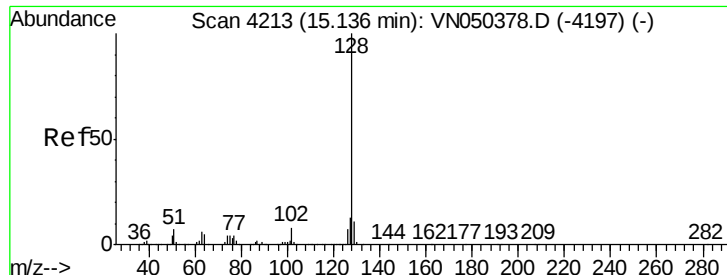


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.63 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN050574.D

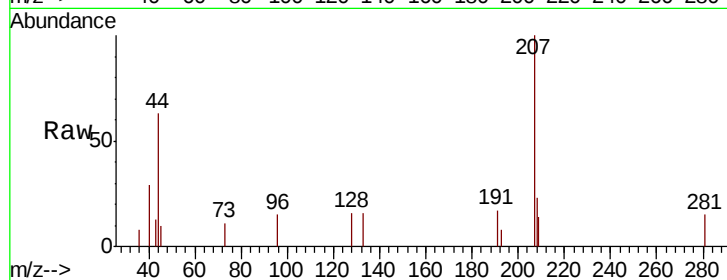
Acq: 13 Aug 2018 17:36

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#07



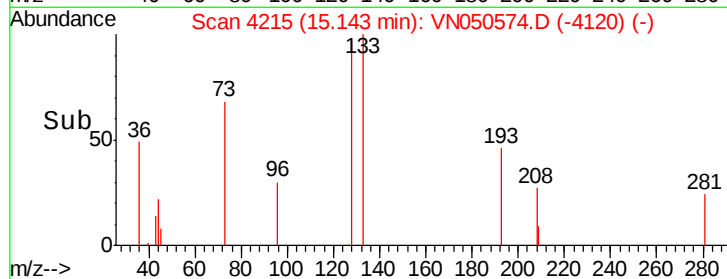
Tot Ion:128 Resp: 238

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



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

