

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050571.D
 Acq On : 13 Aug 2018 16:22
 Operator : MD\SY
 Sample : PB111961ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#04

Quant Time: Aug 14 01:01:00 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	630321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1039846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321068	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	434490	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	7.59	113	399559	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	10.09	98	1425263	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	393072	36.76	ug/l	0.00
Spiked Amount			Recovery	=	73.52%	

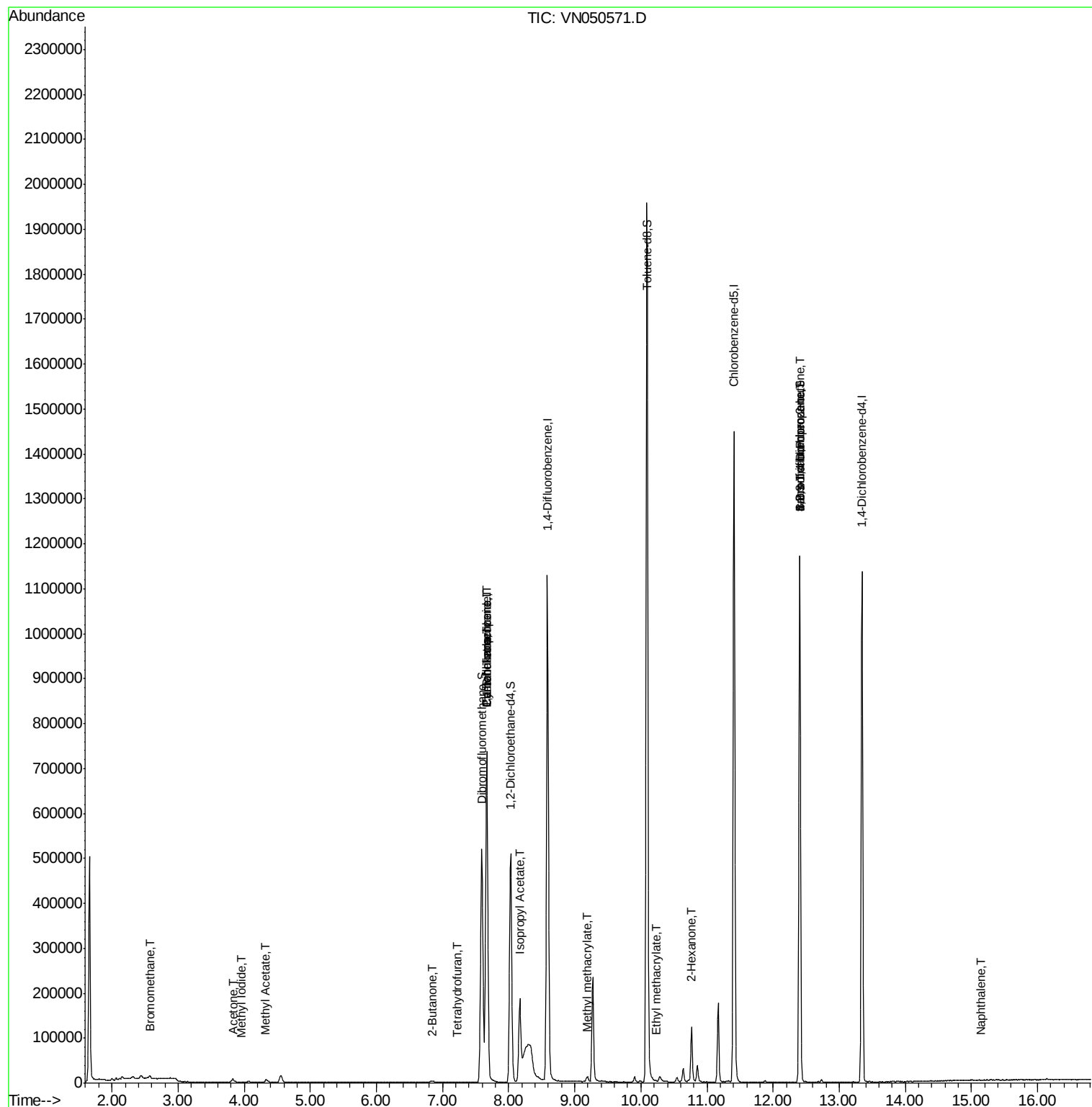
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2617	Below Cal		96
5) Bromomethane	2.58	94	4273	1.14 ug/l		84
10) Methyl Iodide	3.95	142	1409	0.44 ug/l #		56
16) Acetone	3.83	43	13068	4.85 ug/l		93
18) Methyl Acetate	4.33	43	12157	1.68 ug/l #		72
20) Methylene Chloride	4.55	84	11764	Below Cal		98
25) 2-Butanone	6.84	43	2042	0.49 ug/l #		48
29) Tetrahydrofuran	7.22	42	862	0.39 ug/l #		49
31) Cyclohexane	7.67	56	11310	0.31 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	43918	3.84 ug/l #		47
38) Carbon Tetrachloride	7.67	117	55826	4.68 ug/l #		17
43) Isopropyl Acetate	8.17	43	227850	16.04 ug/l		99
48) Methyl methacrylate	9.18	41	7105	1.00 ug/l #		17
56) Ethyl methacrylate	10.23	69	1954	1.87 ug/l		95
59) 2-Hexanone	10.77	43	16883	2.36 ug/l #		57
71) Bromoform	12.40	173	3533	0.59 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	187626	32.28 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	187626	113.43 ug/l #		13
95) Naphthalene	15.14	128	382	3.64 ug/l #		69

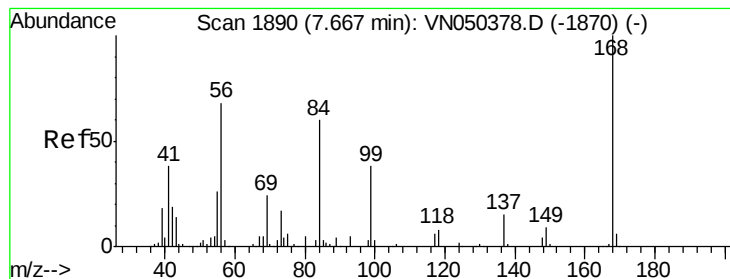
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

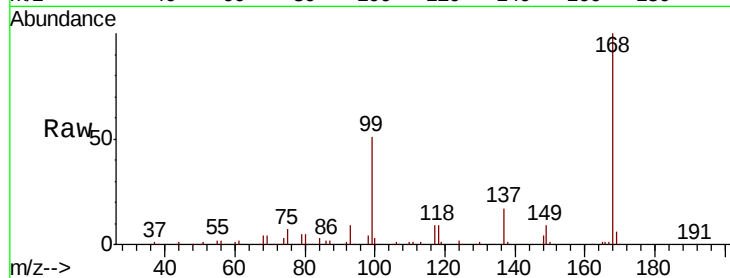
PB111961ZHE#04

Tot Ion:168 Resp: 630321

Ion Ratio Lower Upper

168 100

99 51.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

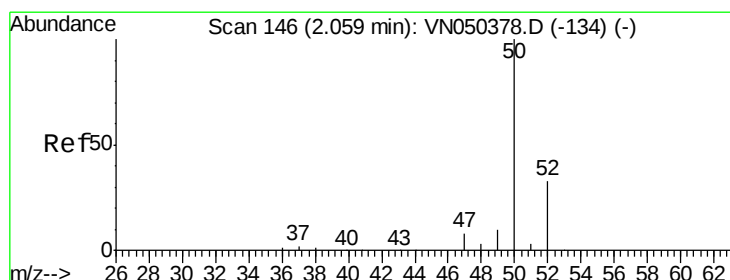
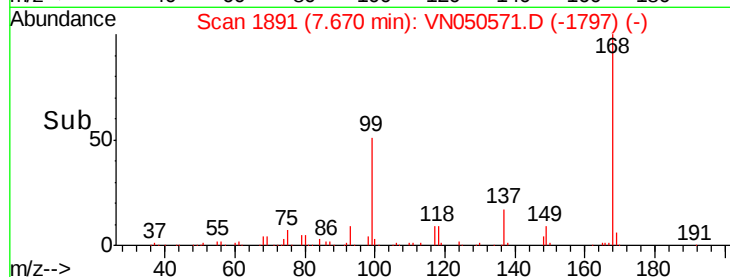
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050571.D

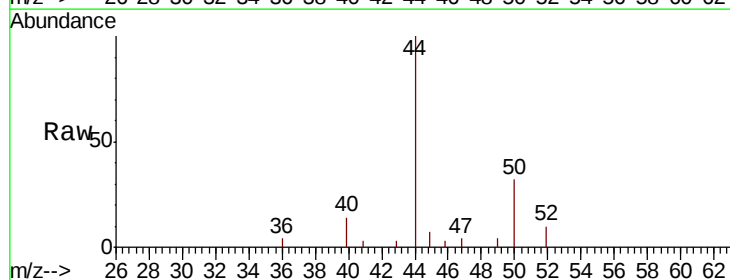
Acq: 13 Aug 2018 16:22

Tgt Ion: 50 Resp: 2617

Ion Ratio Lower Upper

50 100

52 30.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

1500

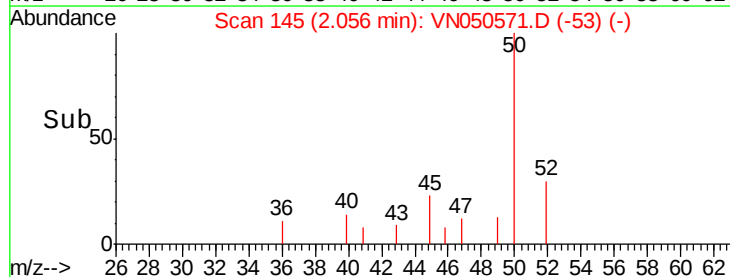
1000

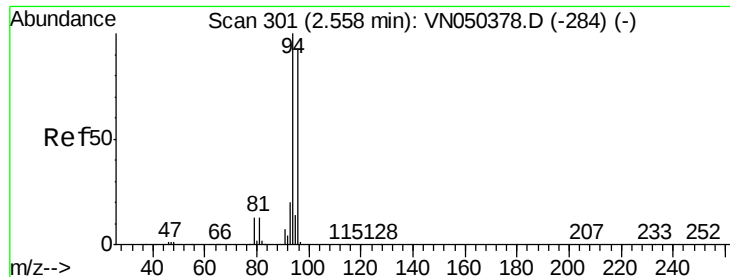
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: 1.14 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

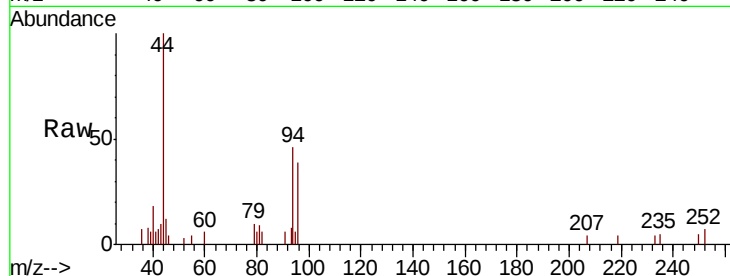
PB111961ZHE#04

Tot Ion: 94 Resp: 4273

Ion Ratio Lower Upper

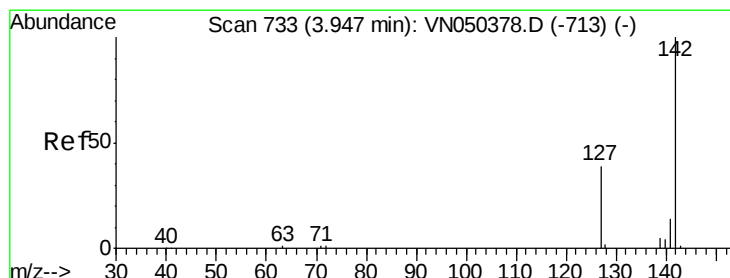
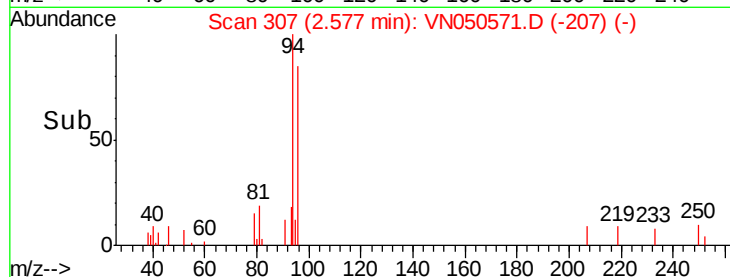
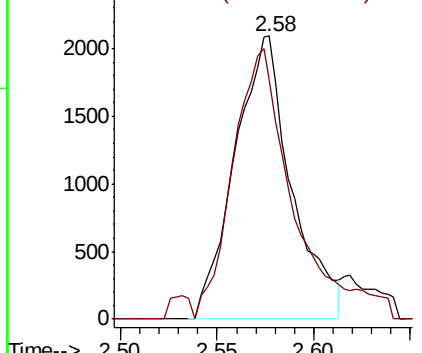
94 100

96 77.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.44 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

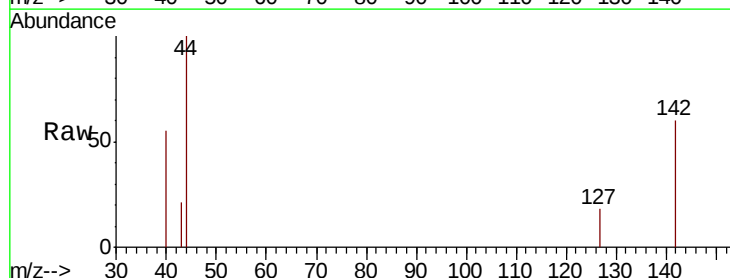
Tgt Ion: 142 Resp: 1409

Ion Ratio Lower Upper

142 100

127 12.1 33.4 50.2#

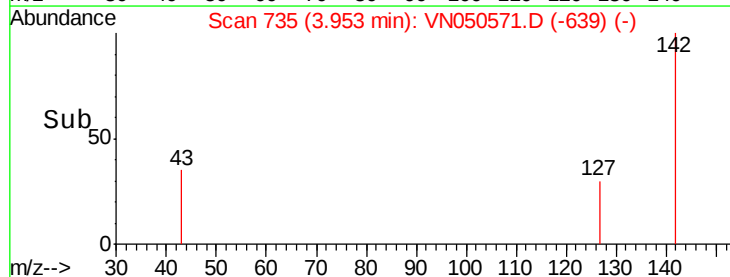
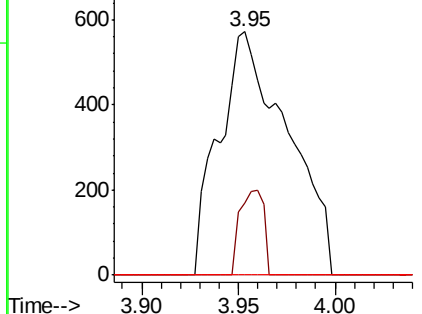
141 0.0 11.6 17.4#

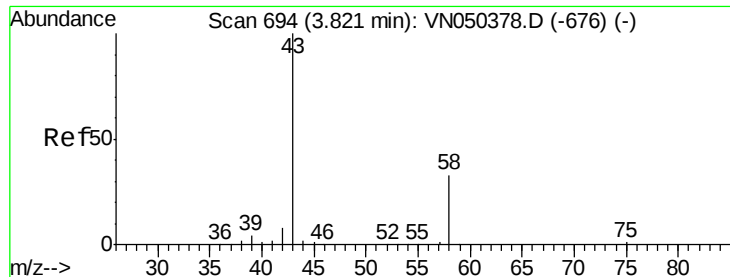


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 4.85 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

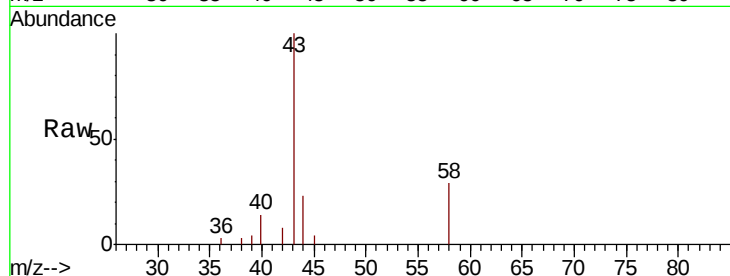
PB111961ZHE#04

Tot Ion: 43 Resp: 13068

Ion Ratio Lower Upper

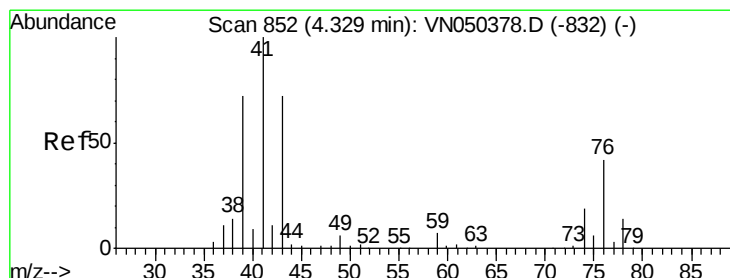
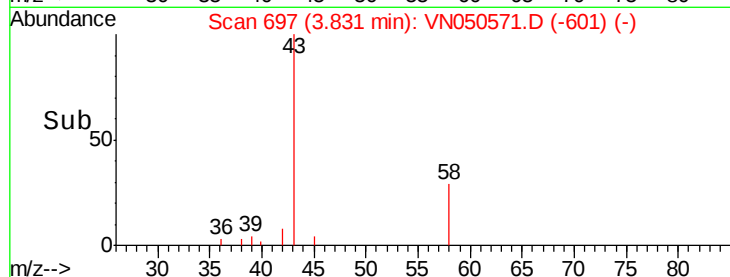
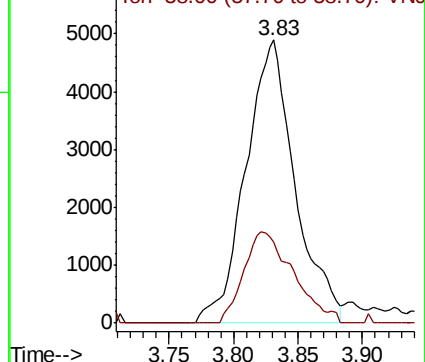
43 100

58 28.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.68 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050571.D

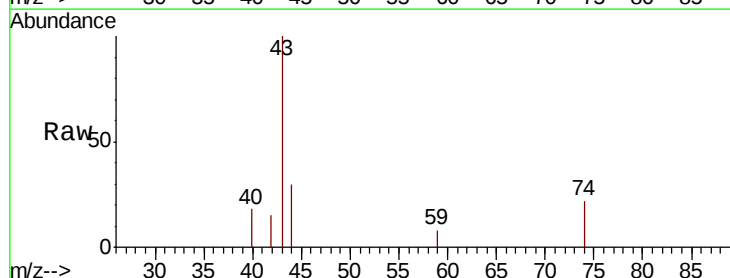
Acq: 13 Aug 2018 16:22

Tgt Ion: 43 Resp: 12157

Ion Ratio Lower Upper

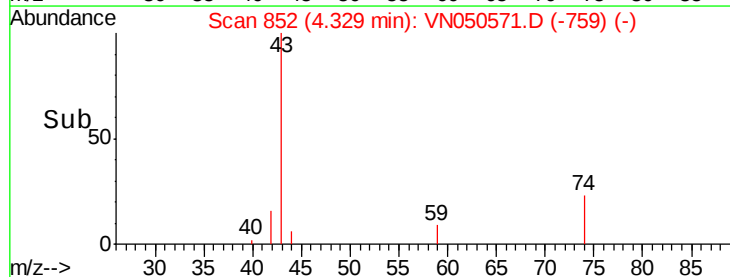
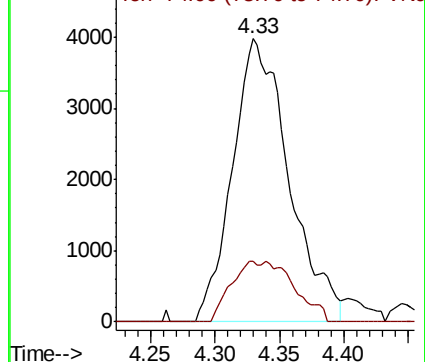
43 100

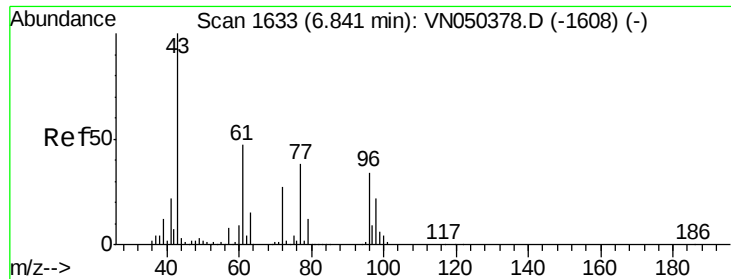
74 10.2 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 0.49 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

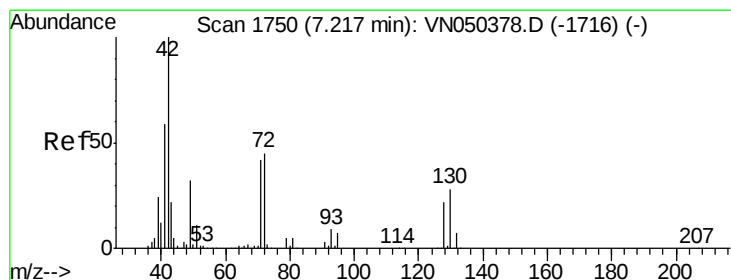
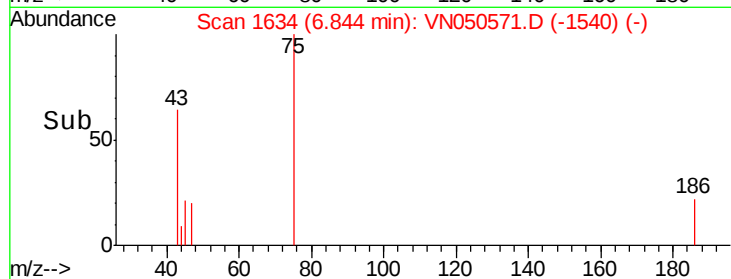
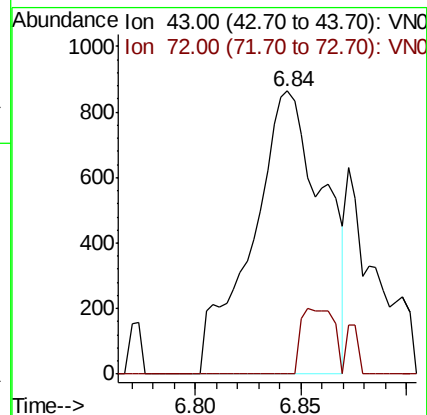
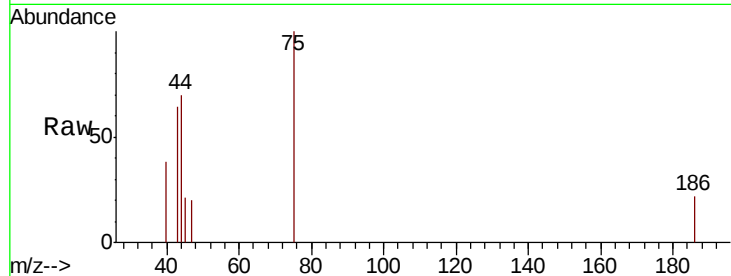
PB111961ZHE#04

Tot Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

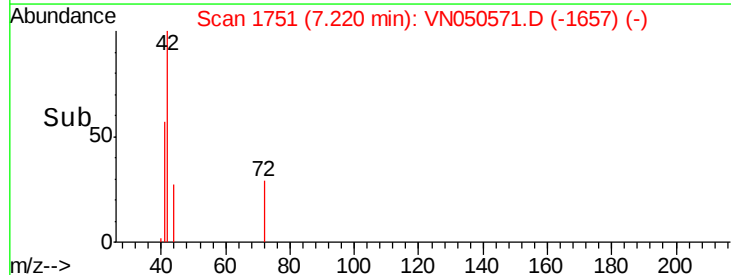
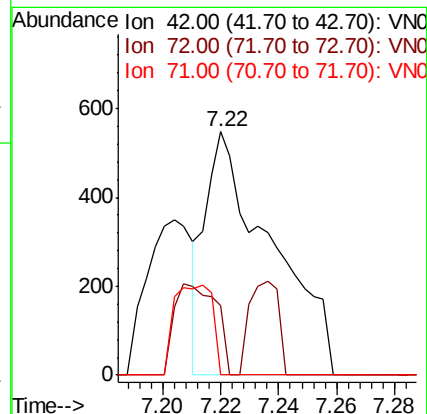
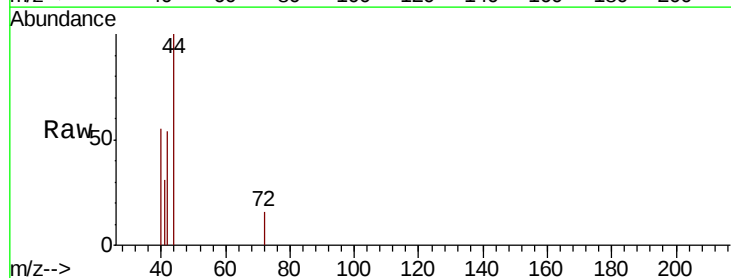
Tgt Ion: 42 Resp: 862

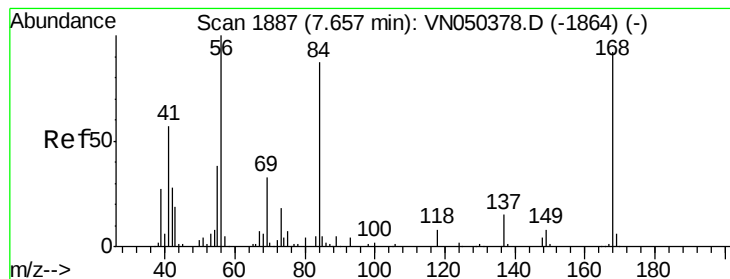
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 21.3 33.7 50.5#





#31

Cyclohexane

Concen: 0.31 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#04

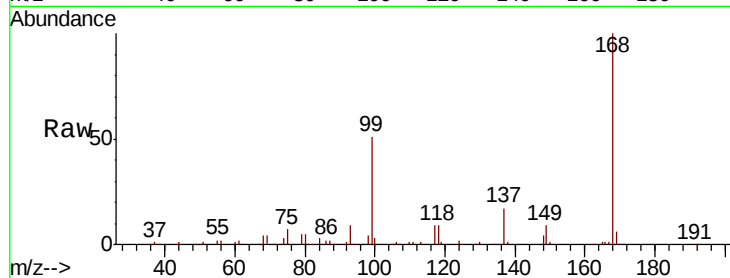
Tot Ion: 56 Resp: 11310

Ion Ratio Lower Upper

56 100

69 206.1 26.2 39.4#

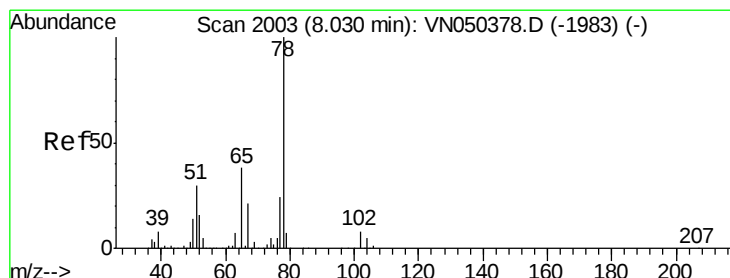
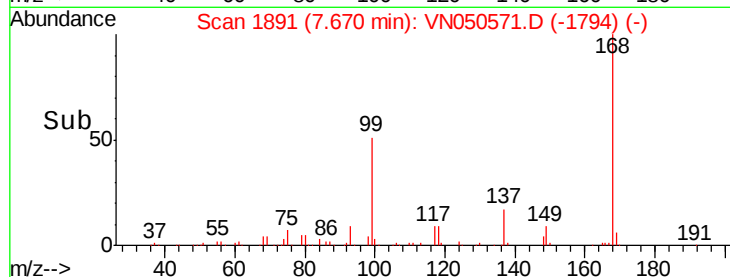
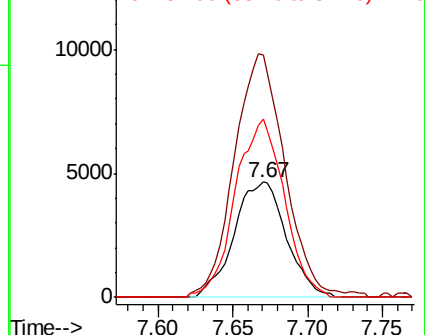
84 154.4 67.4 101.0#



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: 51.59 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050571.D

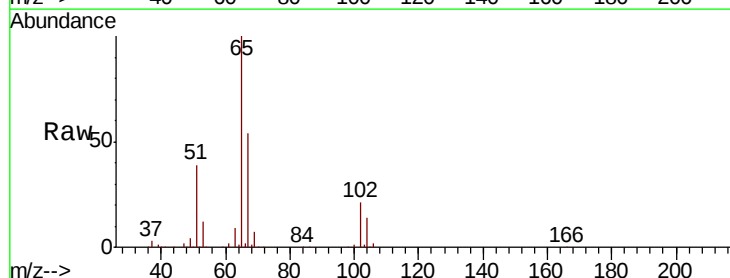
Acq: 13 Aug 2018 16:22

Tgt Ion: 65 Resp: 434490

Ion Ratio Lower Upper

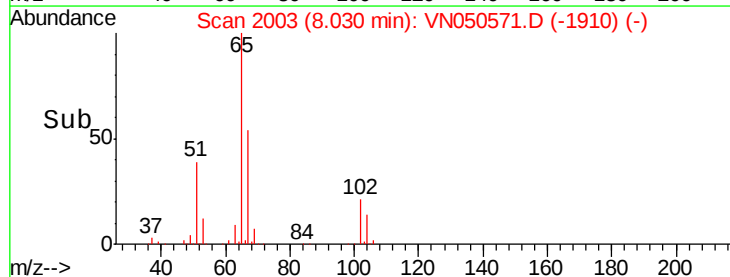
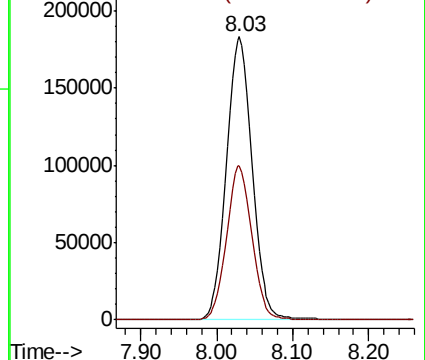
65 100

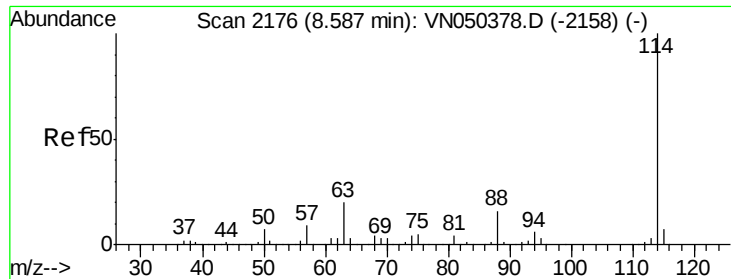
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

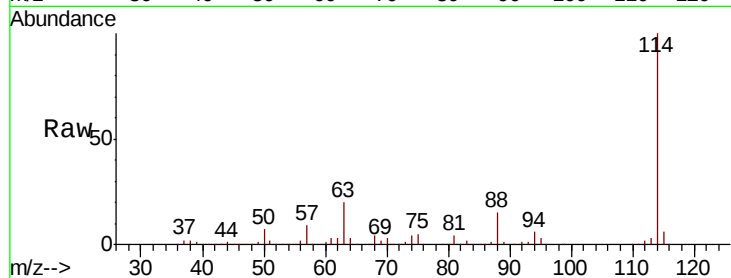




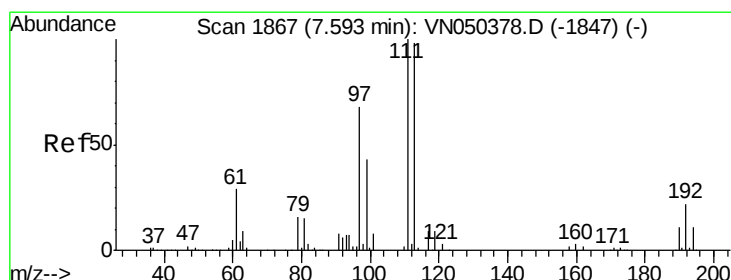
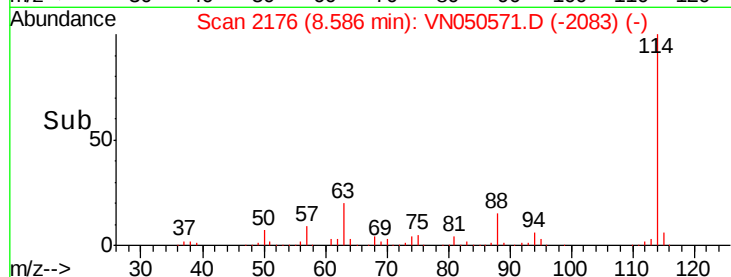
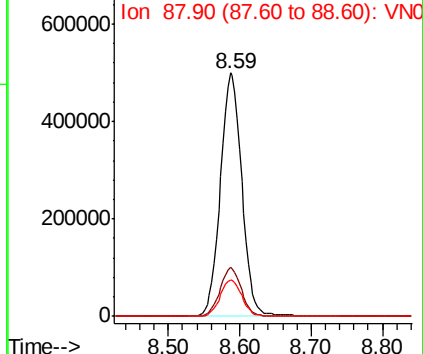
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050571.D
 Acq: 13 Aug 2018 16:22

Instrument :
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 PB111961ZHE#04

Tot Ion:114 Resp: 1039846
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.1 0.0 31.2

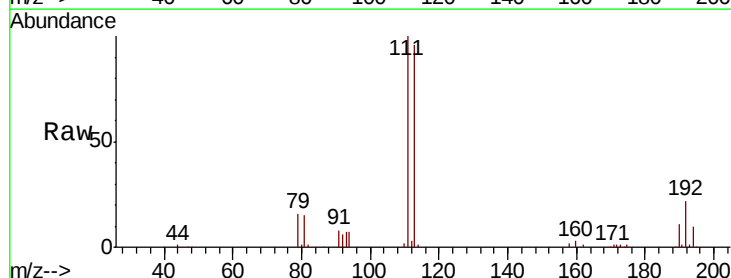


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

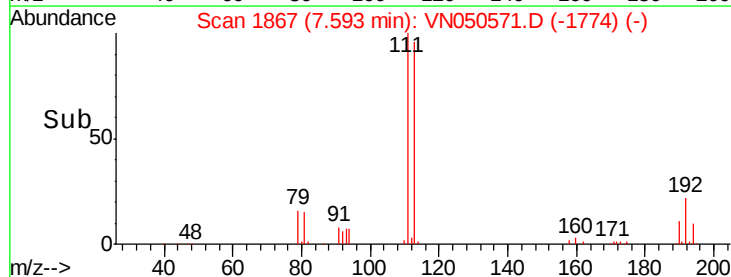
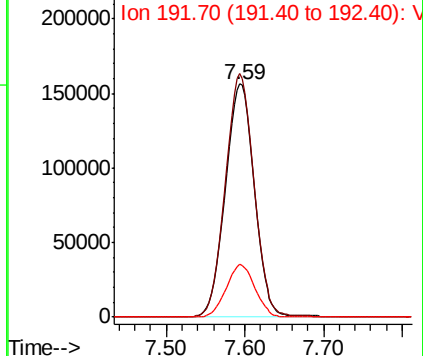


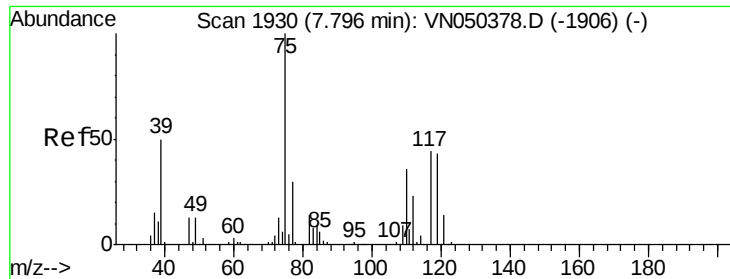
#35
 Dibromofluoromethane
 Concen: 47.89 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050571.D
 Acq: 13 Aug 2018 16:22

Tgt Ion:113 Resp: 399559
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.7 121.1
 192 22.3 17.8 26.6



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: 3.84 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#04

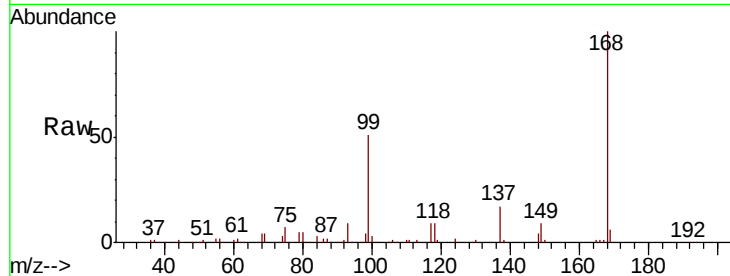
Tot Ion: 75 Resp: 43918

Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.2#

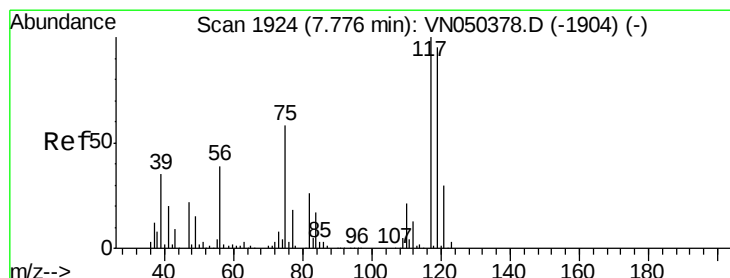
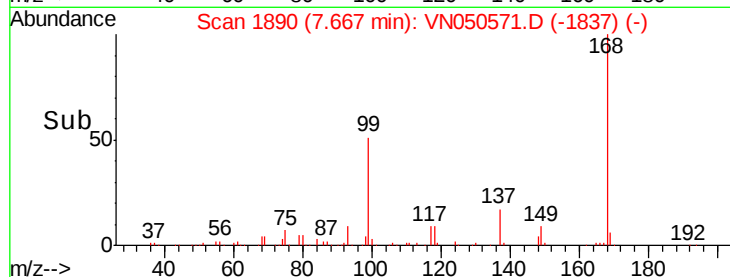
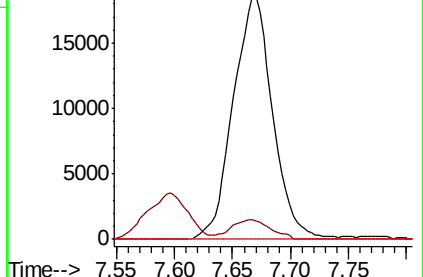
77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-1906) (-)

Ion 109.90 (109.60 to 110.60): VN050378.D (-1906) (-)

Ion 76.90 (76.60 to 77.60): VN050378.D (-1906) (-)



#38

Carbon Tetrachloride

Concen: 4.68 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

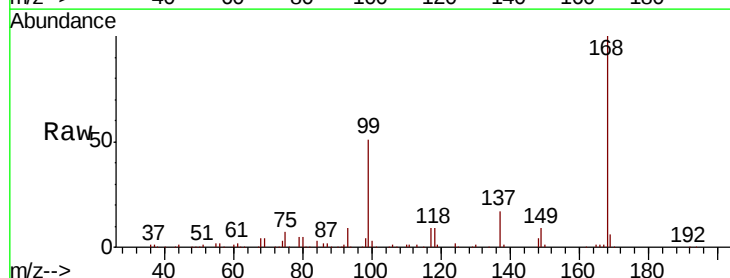
Tgt Ion: 117 Resp: 55826

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.0#

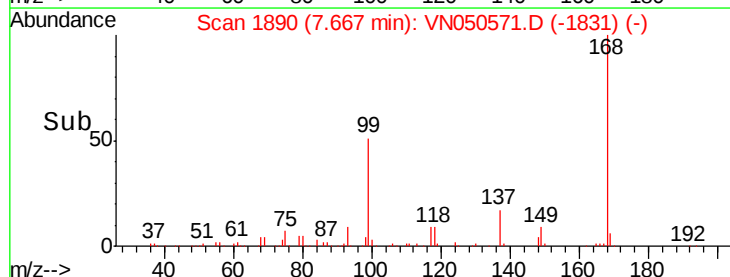
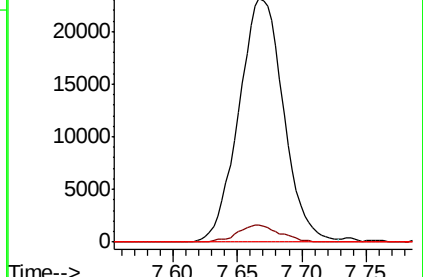
121 0.0 23.9 35.9#

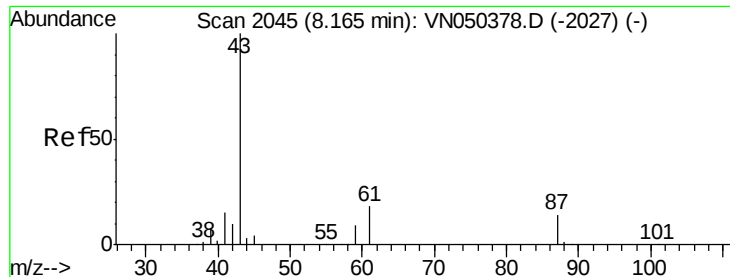


Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN050378.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN050378.D (-1904) (-)





#43

Isopropyl Acetate

Concen: 16.04 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#04

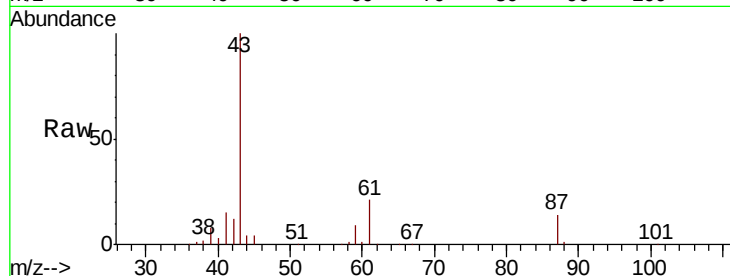
Tot Ion: 43 Resp: 227850

Ion Ratio Lower Upper

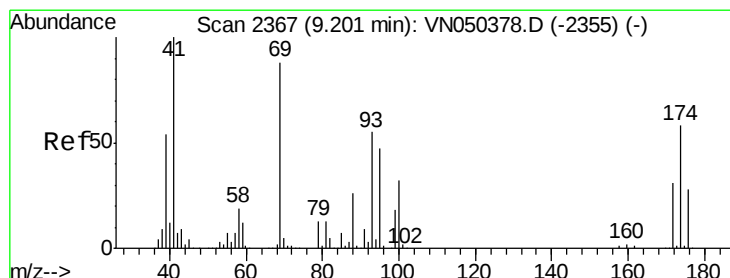
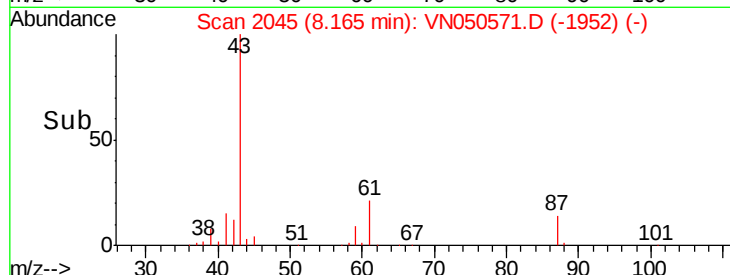
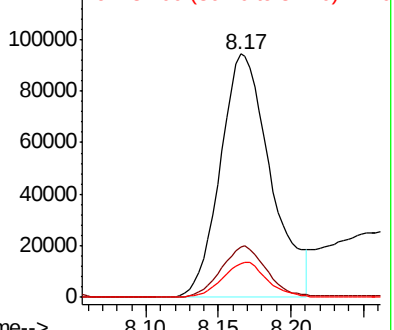
43 100

61 19.3 15.8 23.6

87 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.00 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

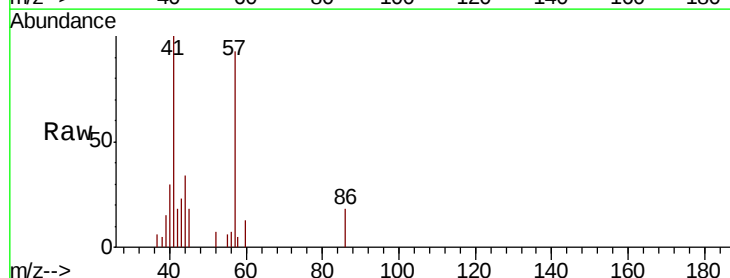
Tgt Ion: 41 Resp: 7105

Ion Ratio Lower Upper

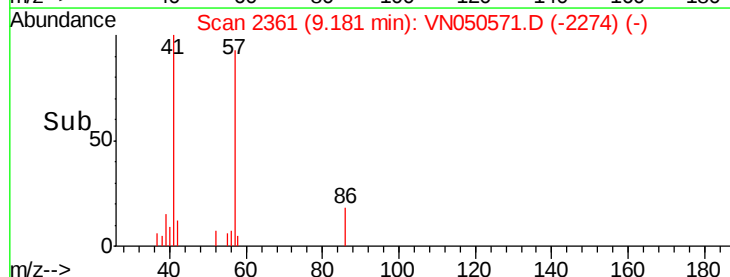
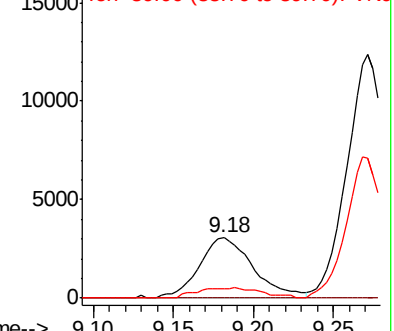
41 100

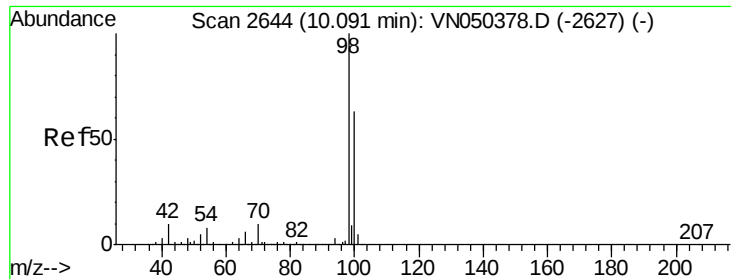
69 0.0 70.6 105.8#

39 9.0 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

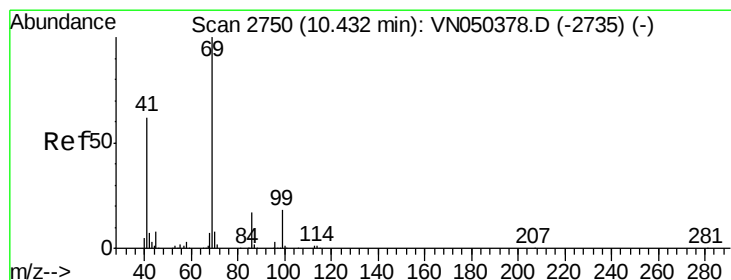
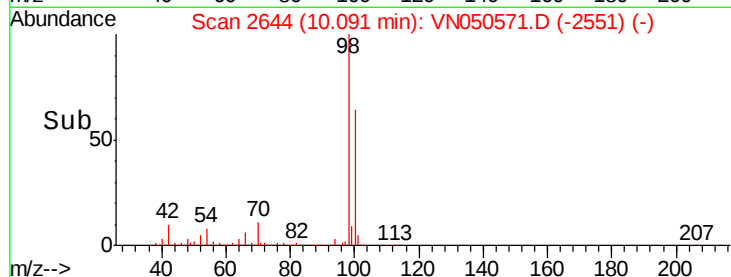
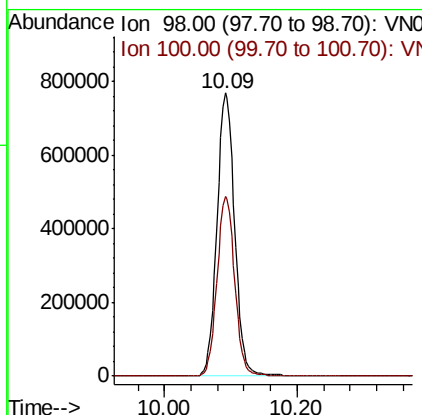
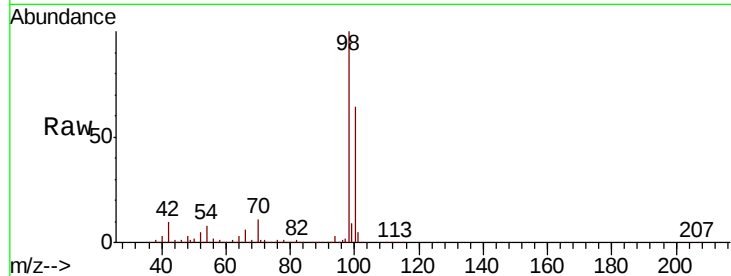




#50
Toluene-d8
Concen: 45.43 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050571.D
Acq: 13 Aug 2018 16:22

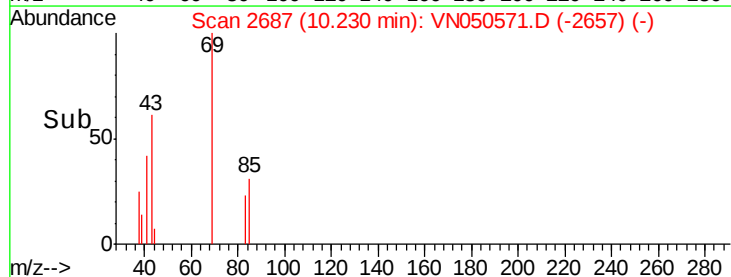
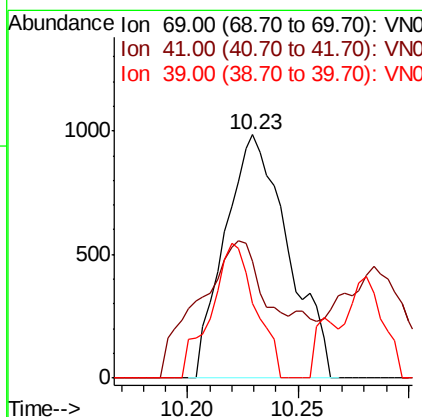
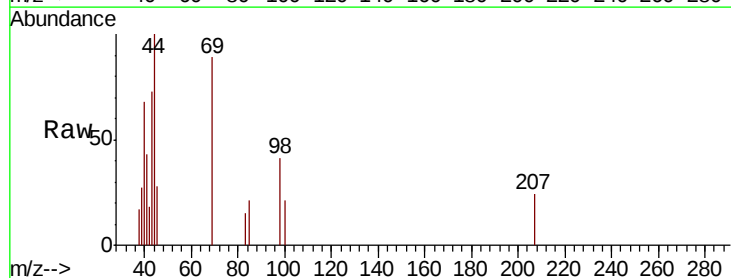
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#04

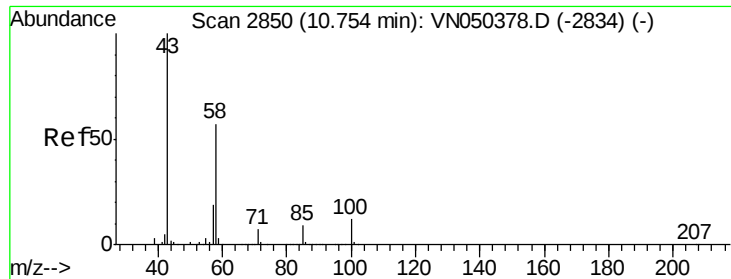
Tot Ion: 98 Resp: 1425263
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.87 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050571.D
Acq: 13 Aug 2018 16:22

Tgt Ion: 69 Resp: 1954
Ion Ratio Lower Upper
69 100
41 61.8 51.0 76.4
39 39.3 26.6 40.0

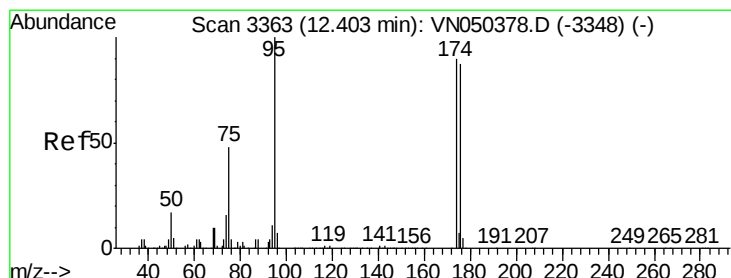
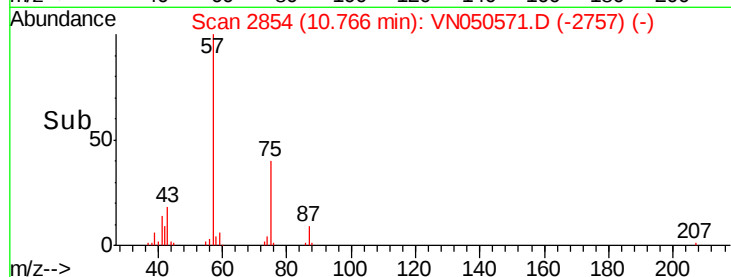
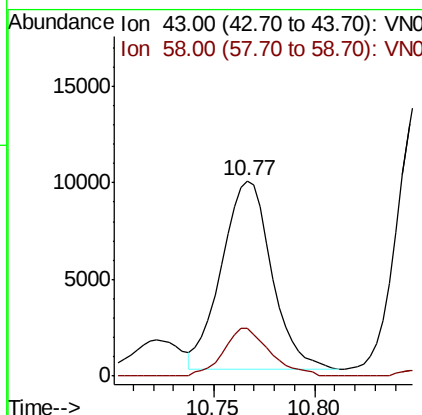
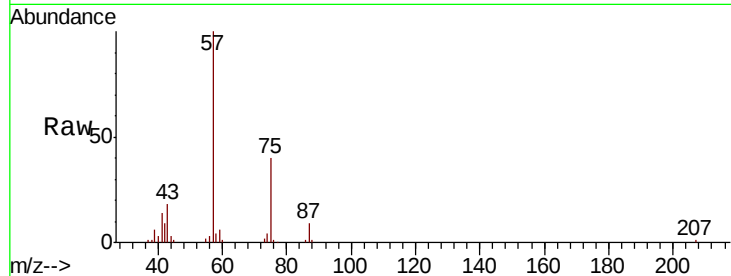




#59
2-Hexanone
Concen: 2.36 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050571.D
Acq: 13 Aug 2018 16:22

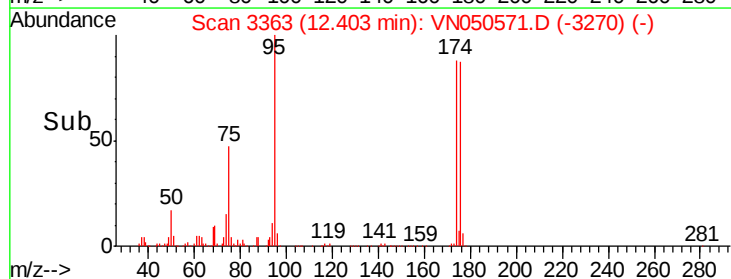
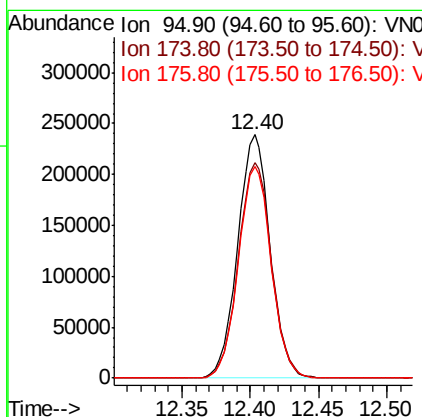
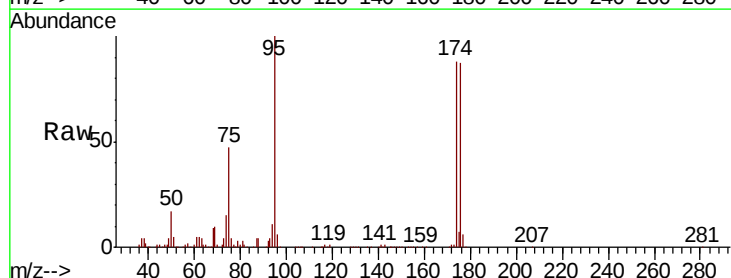
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#04

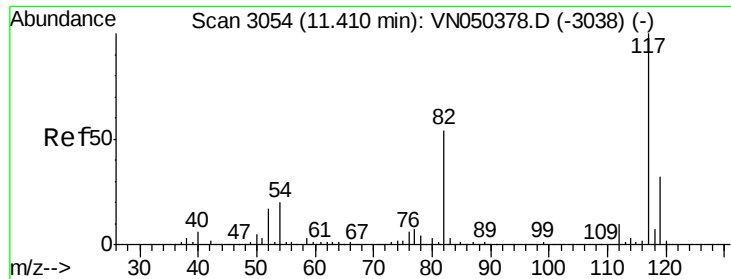
Tot Ion: 43 Resp: 16883
Ion Ratio Lower Upper
43 100
58 23.6 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 36.76 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050571.D
Acq: 13 Aug 2018 16:22

Tgt Ion: 95 Resp: 393072
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 88.3 0.0 173.4

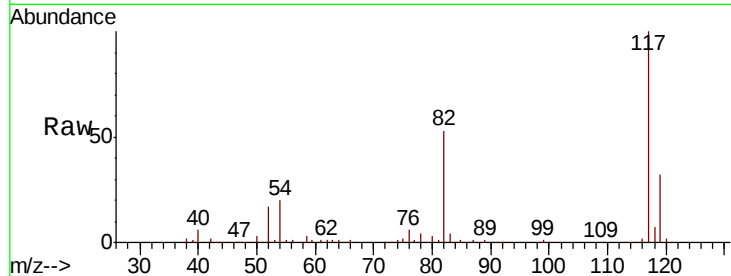




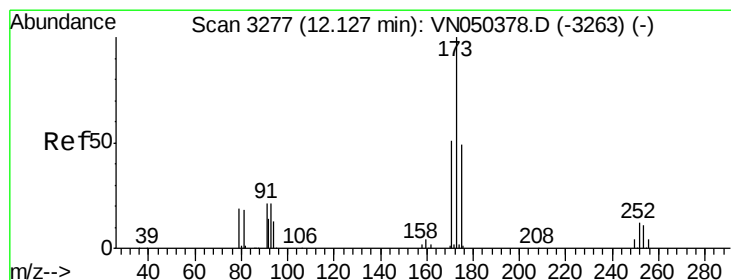
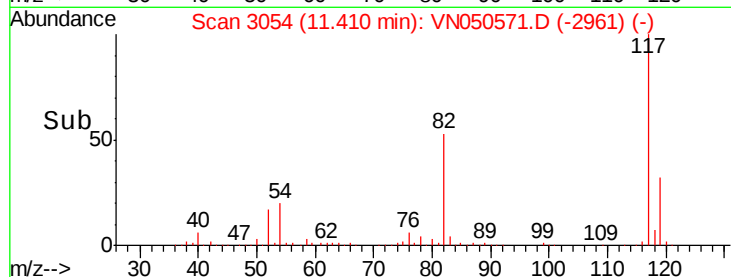
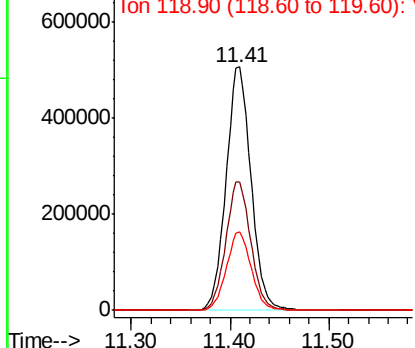
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050571.D
Acq: 13 Aug 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#04

Tot Ion:117 Resp: 896527
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.3 26.1 39.1

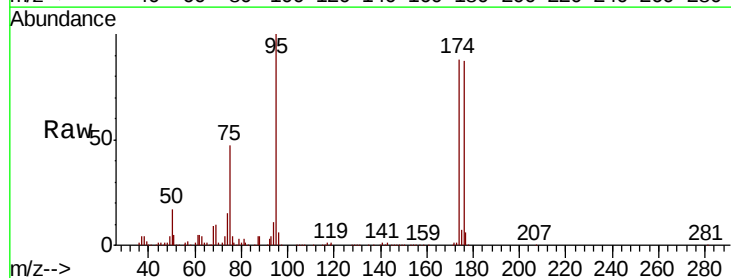


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

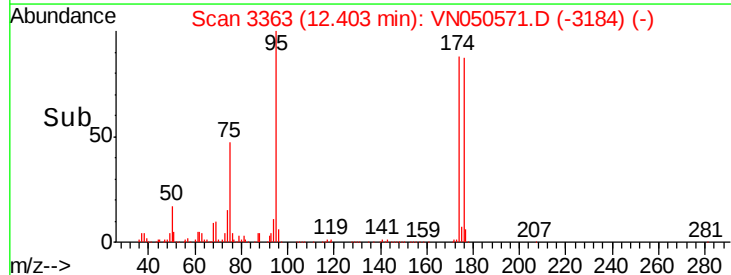
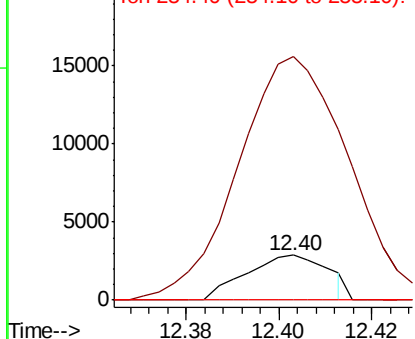


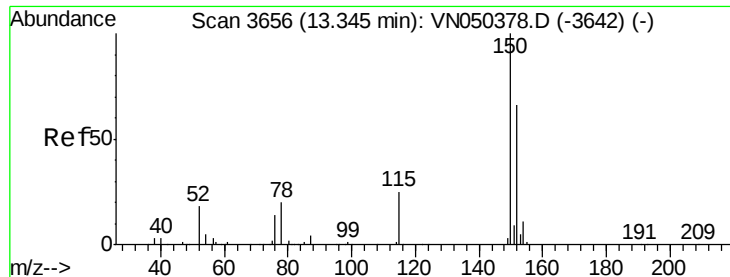
#71
Bromoform
Concen: 0.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050571.D
Acq: 13 Aug 2018 16:22

Tgt Ion:173 Resp: 3533
Ion Ratio Lower Upper
173 100
175 614.6 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: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#04

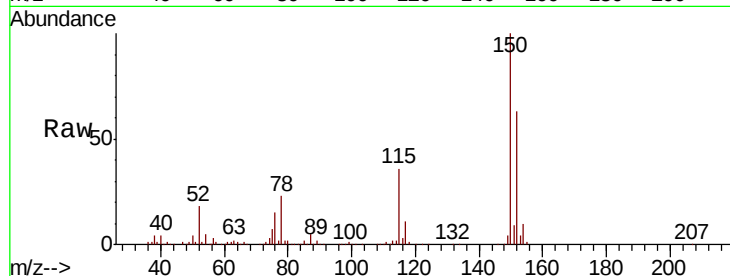
Tot Ion:152 Resp: 321068

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

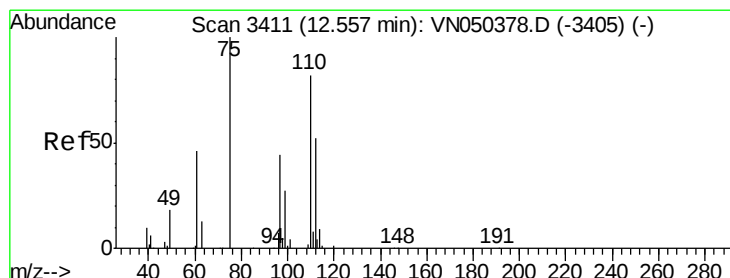
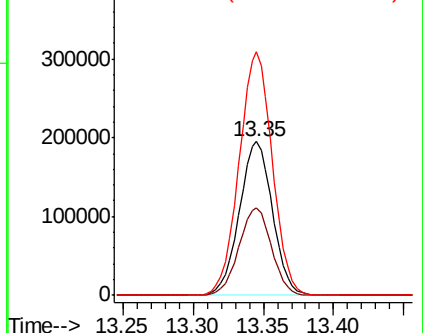
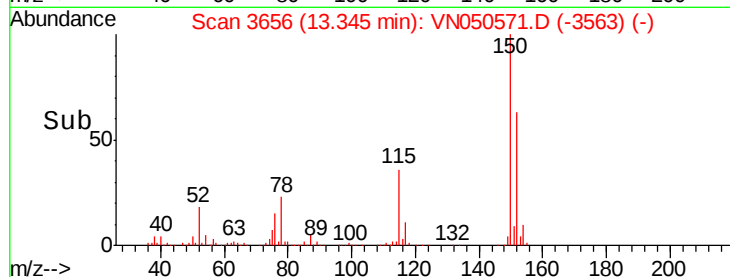
150 158.3 0.0 348.6



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: 32.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050571.D

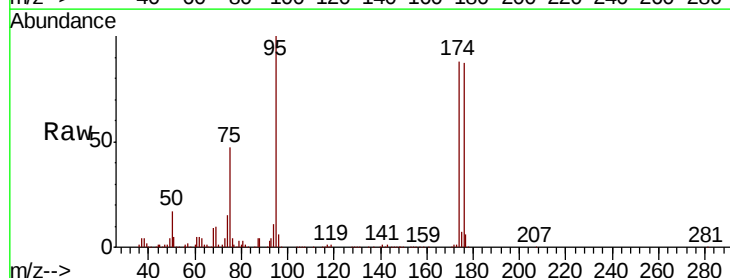
Acq: 13 Aug 2018 16:22

Tgt Ion: 75 Resp: 187626

Ion Ratio Lower Upper

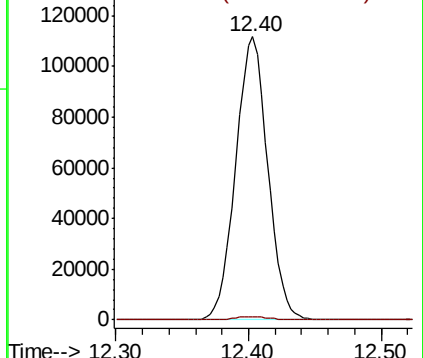
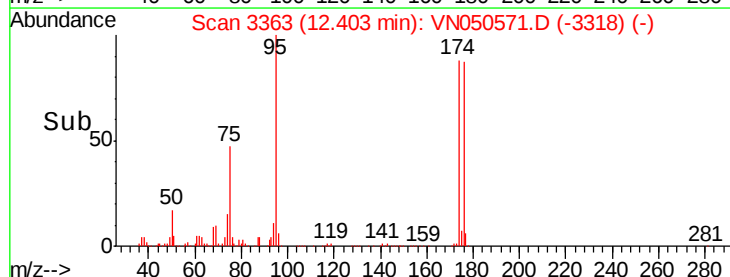
75 100

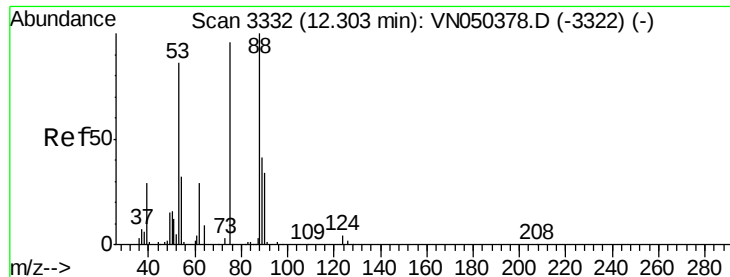
77 1.2 0.0 0.0#



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: 113.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#04

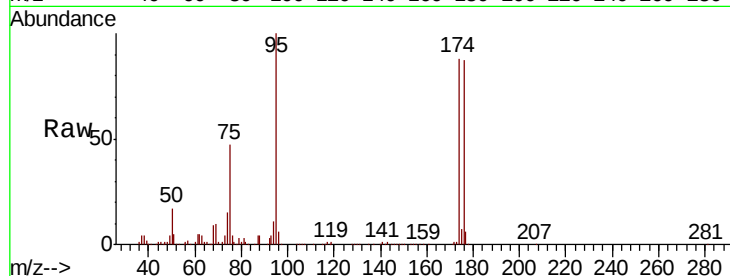
Tot Ion: 75 Resp: 187626

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

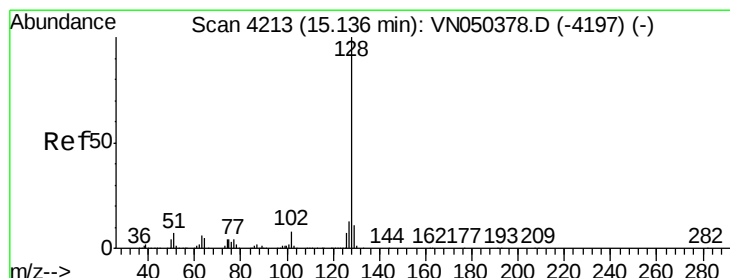
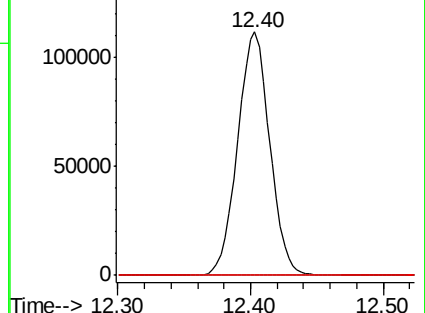
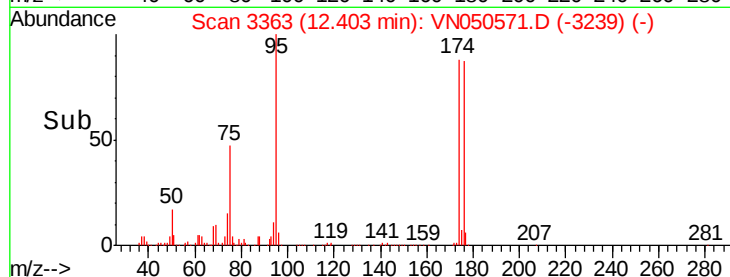
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 3.64 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050571.D

Acq: 13 Aug 2018 16:22

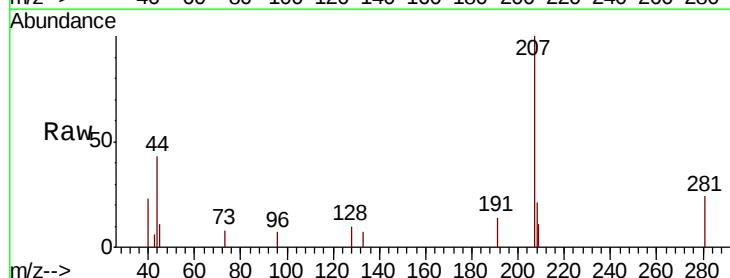
Tgt Ion: 128 Resp: 382

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

