

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050577.D
 Acq On : 13 Aug 2018 18:50
 Operator : MD\SY
 Sample : PB111961ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#10

Quant Time: Aug 14 01:02:25 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	603958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1018103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	418690	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	392109	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	10.09	98	1379619	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
62) 4-Bromofluorobenzene	12.40	95	390726	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	

Target Compounds

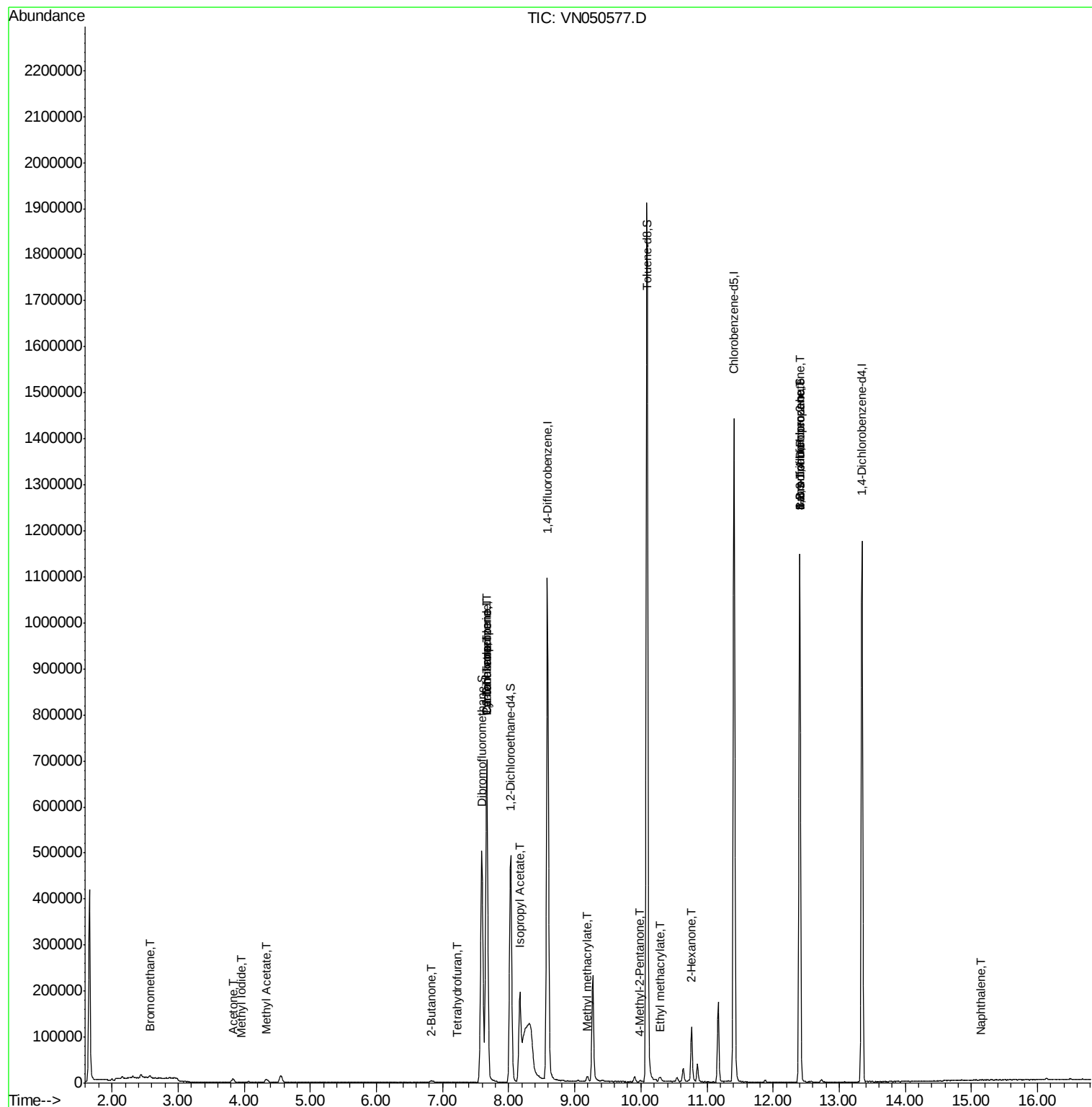
						Qvalue
3) Chloromethane	2.06	50	2518	Below Cal		89
5) Bromomethane	2.57	94	3444	0.99 ug/l #		76
10) Methyl Iodide	3.96	142	923	0.30 ug/l #		42
16) Acetone	3.83	43	13832	5.40 ug/l		100
18) Methyl Acetate	4.34	43	14885	2.20 ug/l		92
20) Methylene Chloride	4.55	84	11385	Below Cal		97
25) 2-Butanone	6.84	43	1243	0.31 ug/l		93
29) Tetrahydrofuran	7.21	42	465	0.22 ug/l #		56
31) Cyclohexane	7.67	56	11389	0.36 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	43276	3.87 ug/l #		48
38) Carbon Tetrachloride	7.67	117	53730	4.60 ug/l #		16
43) Isopropyl Acetate	8.17	43	240831	17.32 ug/l		97
48) Methyl methacrylate	9.18	41	6415	0.92 ug/l #		21
51) 4-Methyl-2-Pentanone	9.99	43	2258	0.23 ug/l #		78
56) Ethyl methacrylate	10.27	69	99	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	17030	2.44 ug/l #		53
71) Bromoform	12.40	173	1628	0.28 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	186627	30.98 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	186627	108.85 ug/l #		13
95) Naphthalene	15.14	128	68	3.62 ug/l #		69

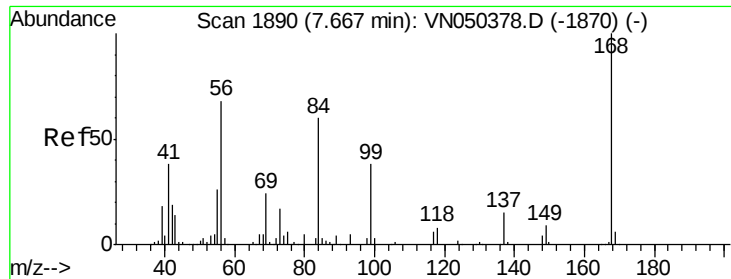
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081318\
Data File : VN050577.D
Acq On : 13 Aug 2018 18:50
Operator : MD\SY
Sample : PB111961ZHE#10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#10

Quant Time: Aug 14 01:02:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

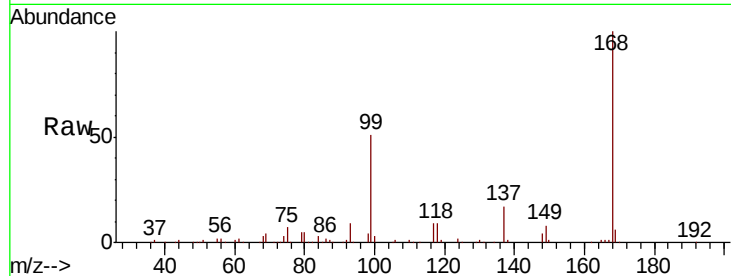
PB111961ZHE#10

Tot Ion:168 Resp: 603958

Ion Ratio Lower Upper

168 100

99 50.6 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

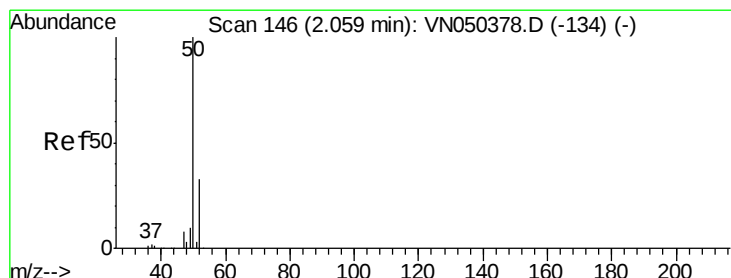
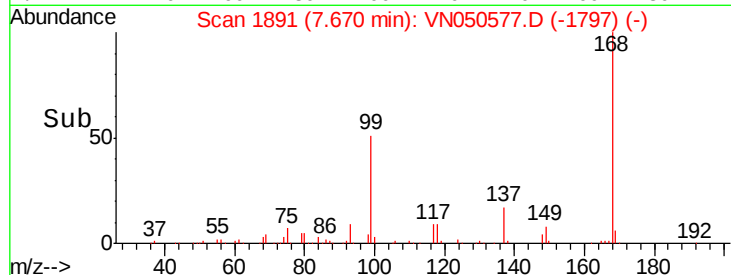
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050577.D

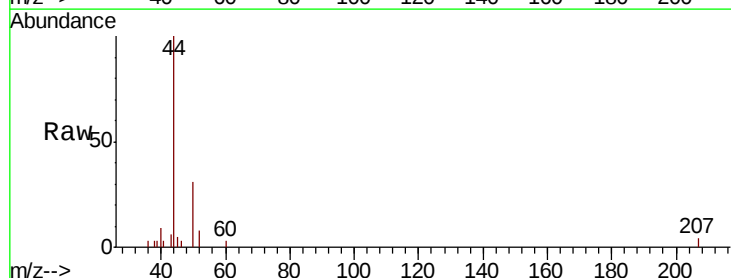
Acq: 13 Aug 2018 18:50

Tgt Ion: 50 Resp: 2518

Ion Ratio Lower Upper

50 100

52 26.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

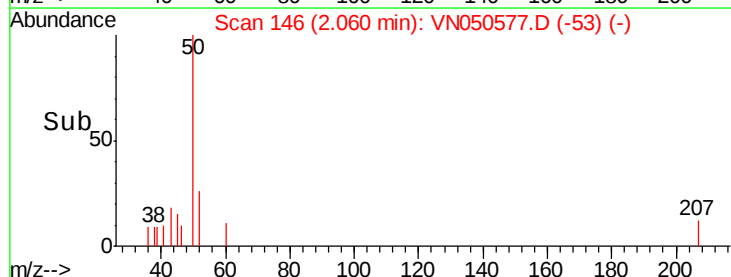
1500

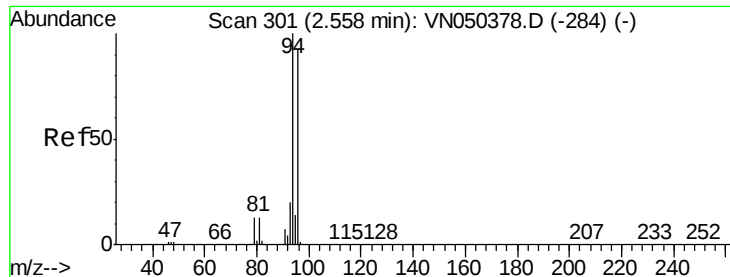
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.99 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

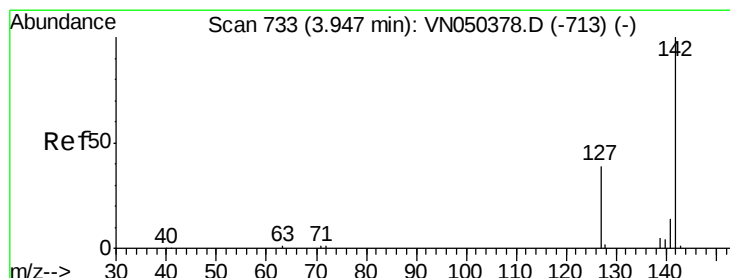
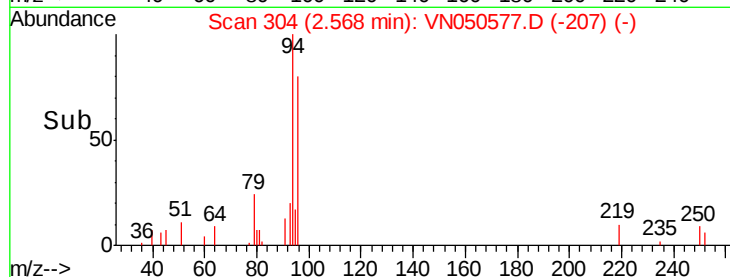
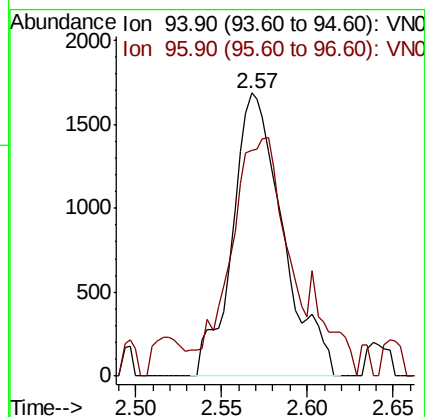
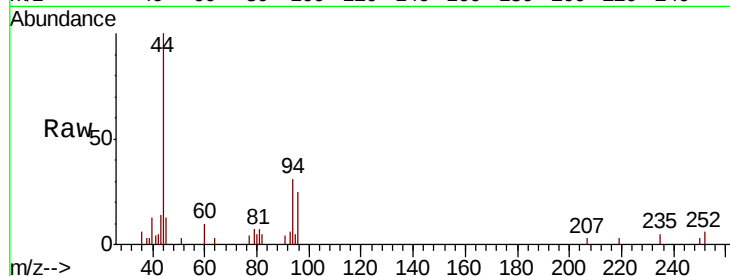
PB111961ZHE#10

Tot Ion: 94 Resp: 3444

Ion Ratio Lower Upper

94 100

96 70.5 74.6 112.0#



#10

Methyl Iodide

Concen: 0.30 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.02 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

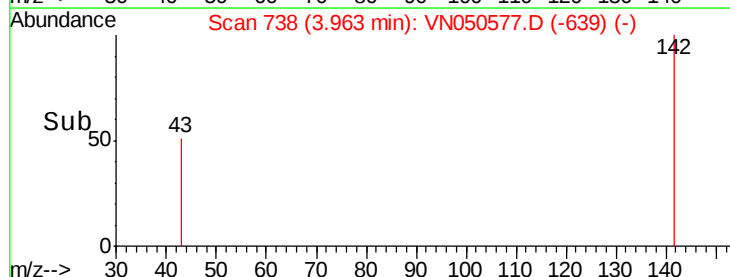
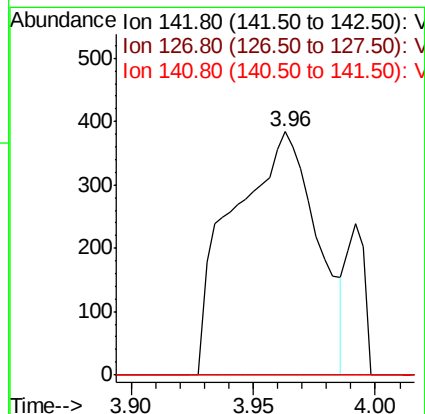
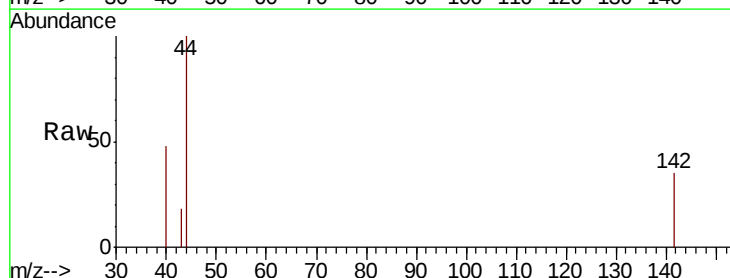
Tgt Ion: 142 Resp: 923

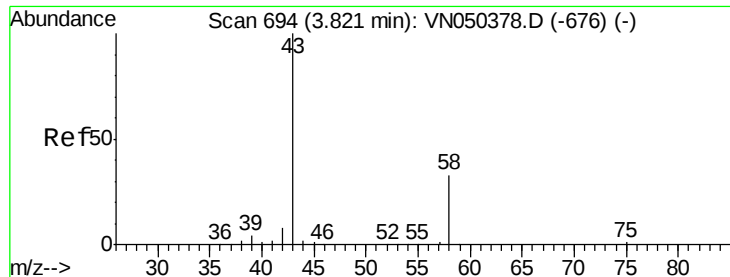
Ion Ratio Lower Upper

142 100

127 0.0 33.4 50.2#

141 0.0 11.6 17.4#





#16

Acetone

Concen: 5.40 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

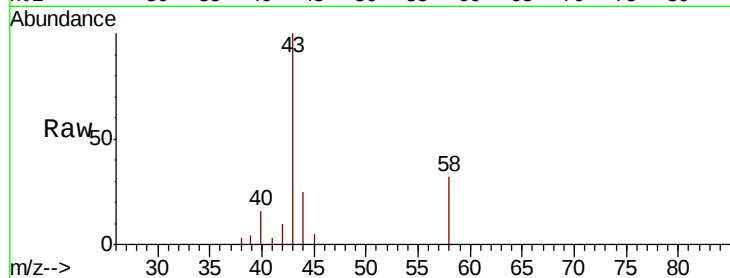
PB111961ZHE#10

Tot Ion: 43 Resp: 13832

Ion Ratio Lower Upper

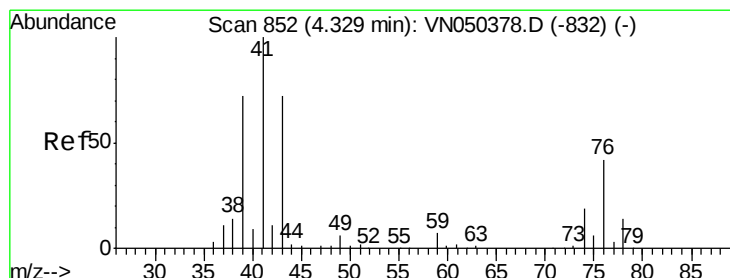
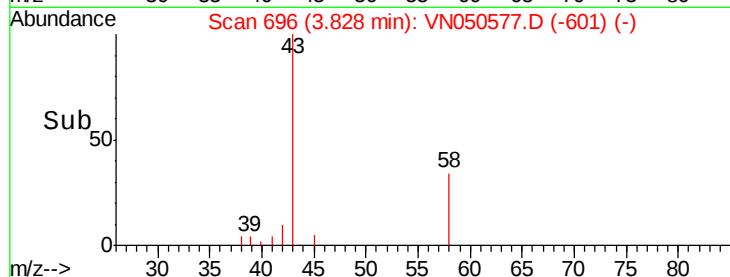
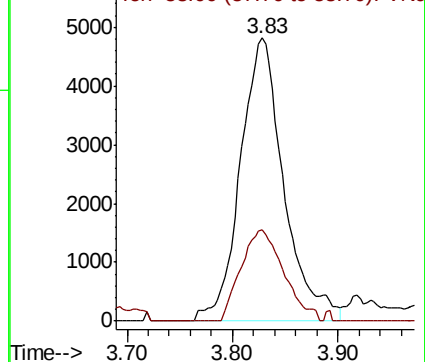
43 100

58 32.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-676) (-)



#18

Methyl Acetate

Concen: 2.20 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050577.D

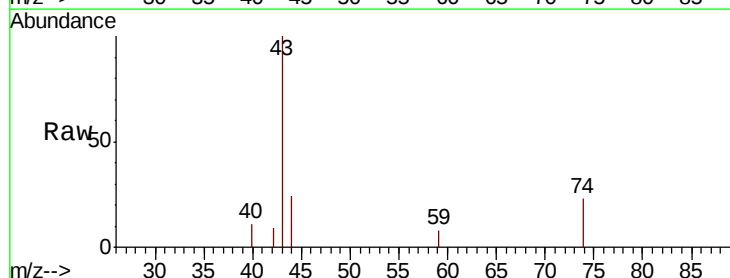
Acq: 13 Aug 2018 18:50

Tgt Ion: 43 Resp: 14885

Ion Ratio Lower Upper

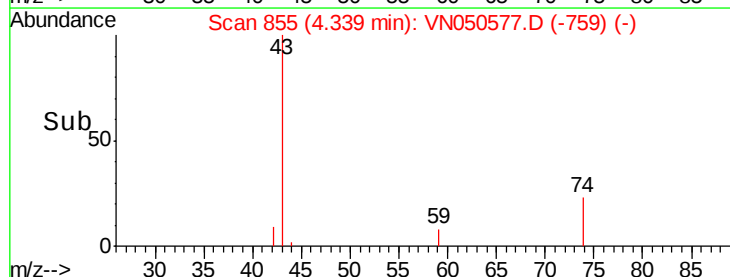
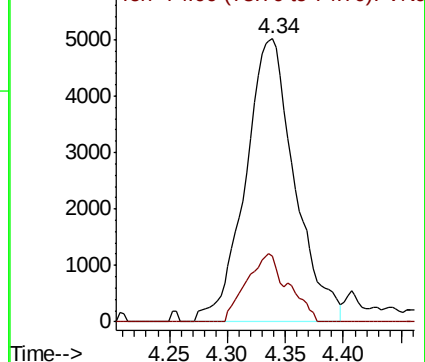
43 100

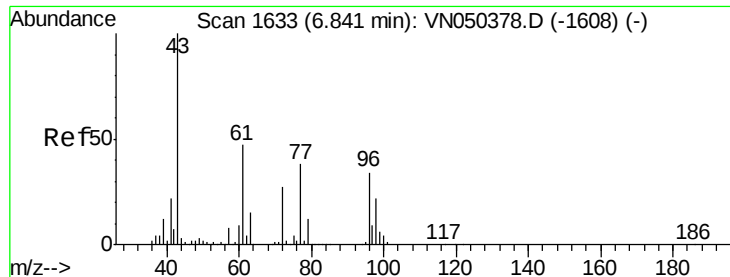
74 20.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-832) (-)

Ion 74.00 (73.70 to 74.70): VN050378.D (-832) (-)





#25

2-Butanone

Concen: 0.31 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

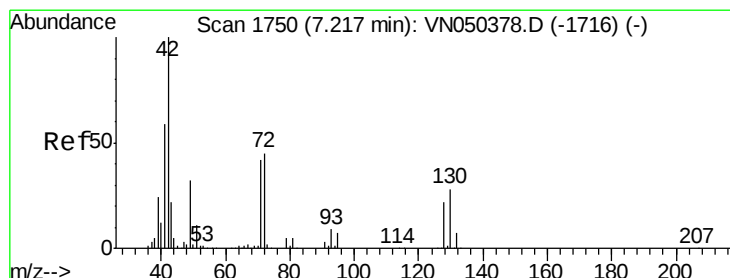
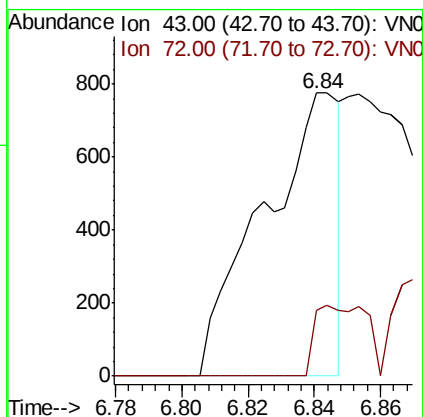
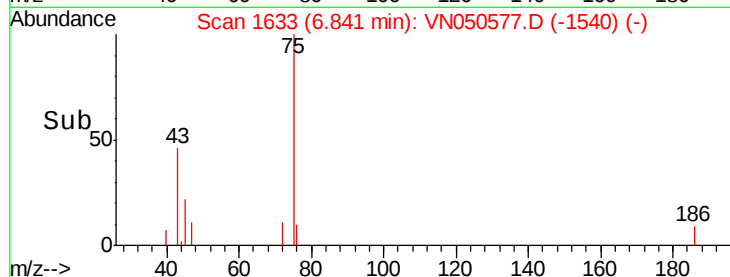
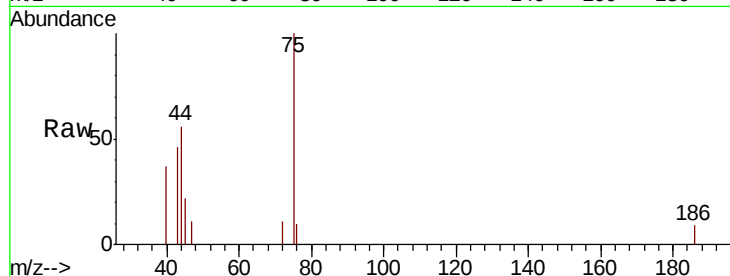
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#10

Tot Ion: 43 Resp: 1243

Ion Ratio Lower Upper

43 100

72 23.2 21.5 32.3



#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

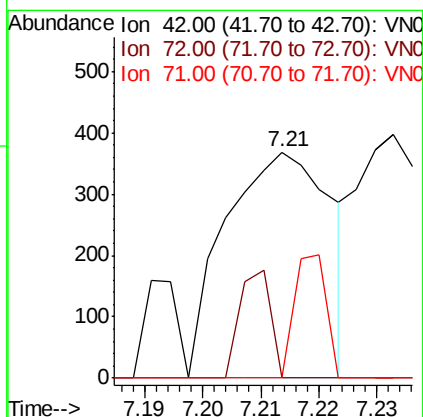
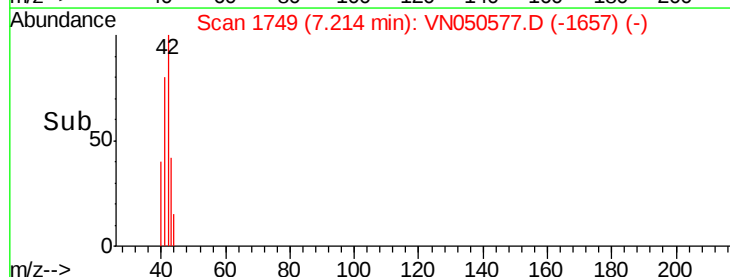
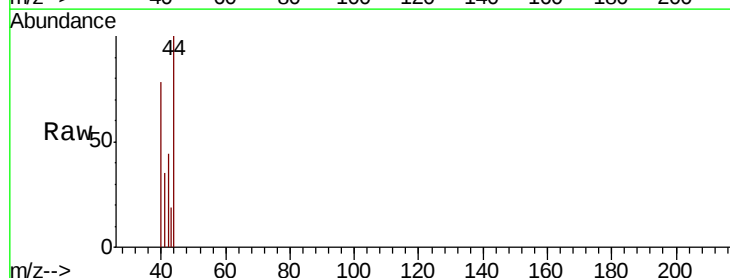
Tgt Ion: 42 Resp: 465

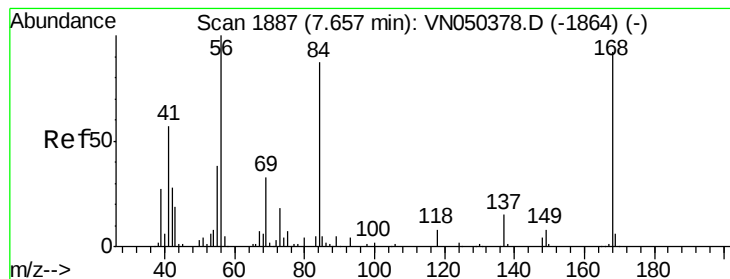
Ion Ratio Lower Upper

42 100

72 13.8 35.9 53.9#

71 16.3 33.7 50.5#





#31

Cyclohexane

Concen: 0.36 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#10

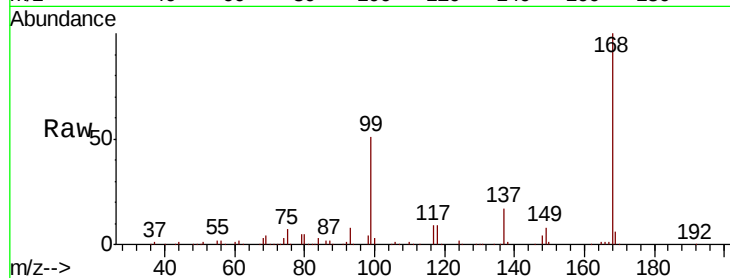
Tot Ion: 56 Resp: 11389

Ion Ratio Lower Upper

56 100

69 193.5 26.2 39.4#

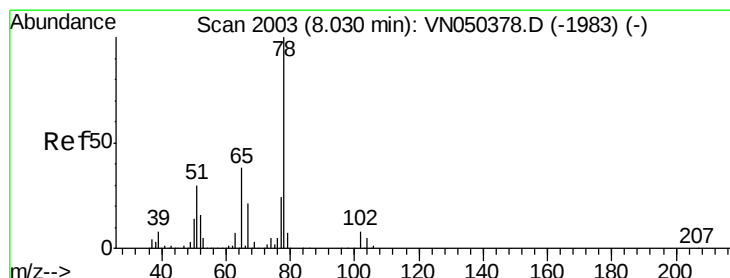
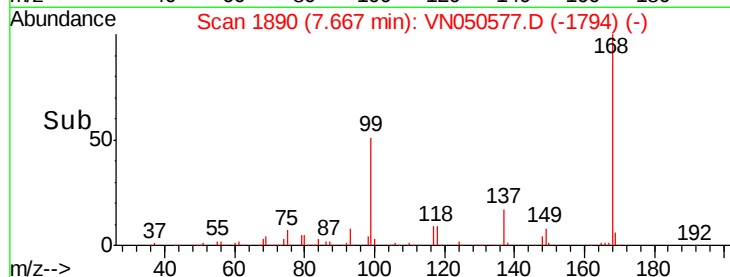
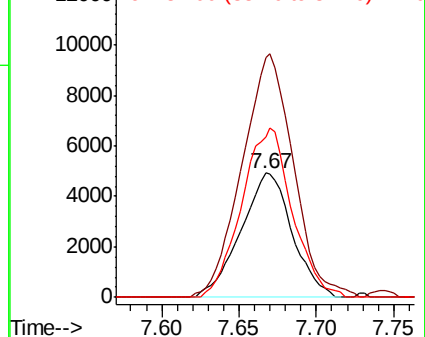
84 129.3 67.4 101.0#



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: 51.89 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050577.D

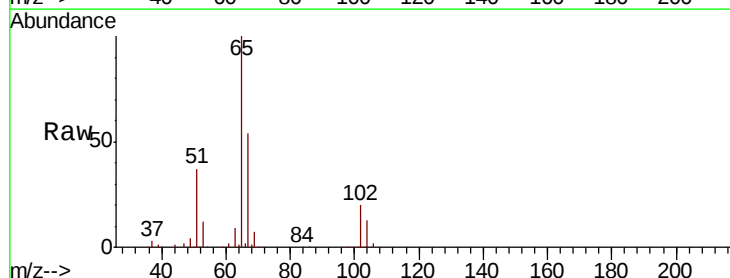
Acq: 13 Aug 2018 18:50

Tgt Ion: 65 Resp: 418690

Ion Ratio Lower Upper

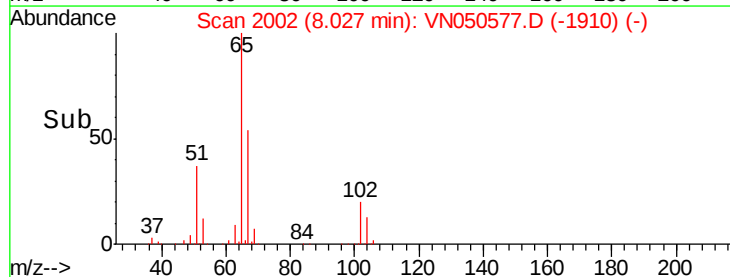
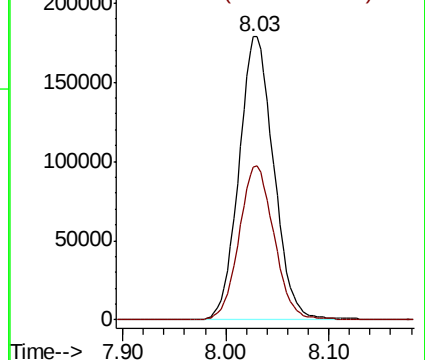
65 100

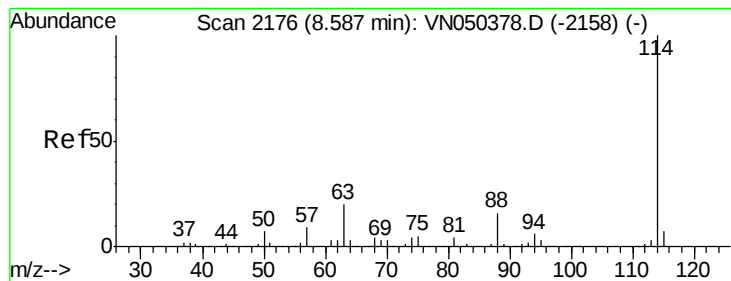
67 54.8 0.0 108.4



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# 2177

Delta R.T. 0.00 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#10

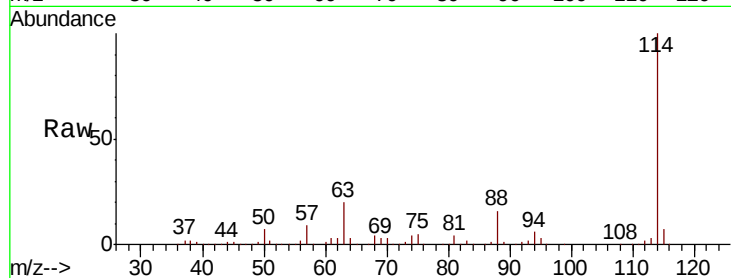
Tot Ion:114 Resp: 1018103

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

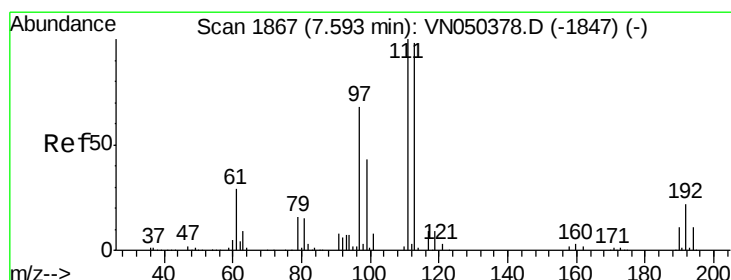
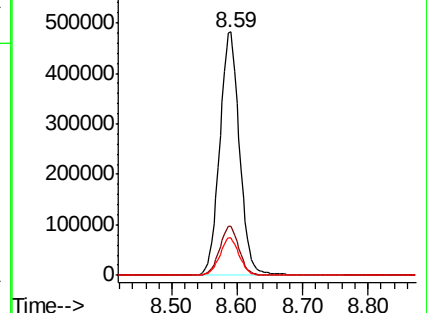
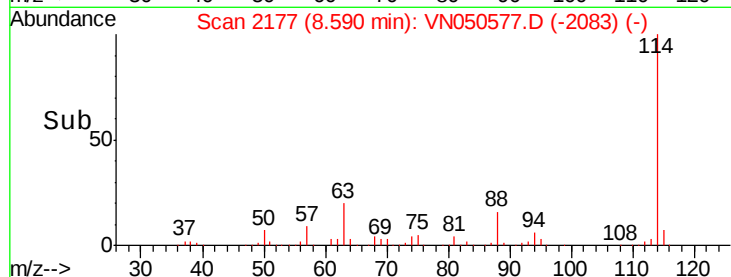
88 15.5 0.0 31.2



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: 48.00 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

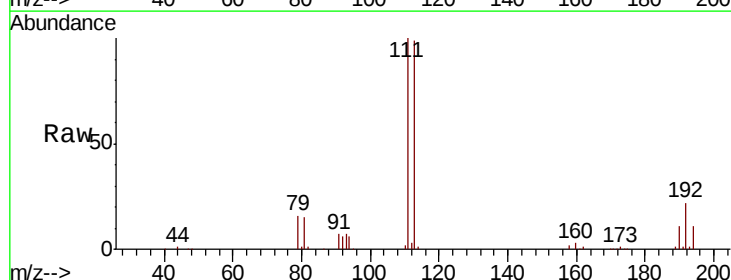
Tgt Ion:113 Resp: 392109

Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

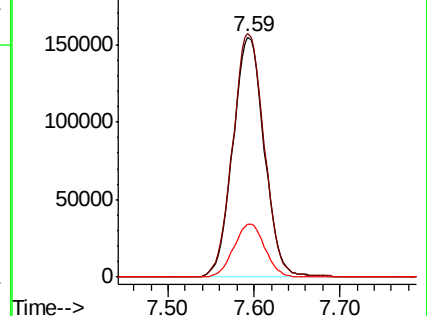
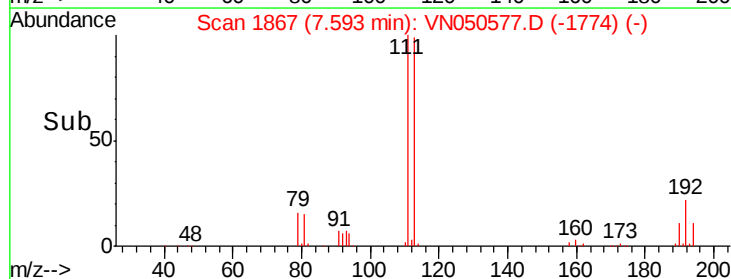
192 22.0 17.8 26.6

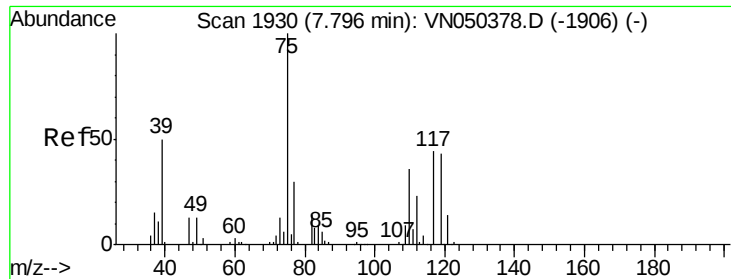


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.87 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#10

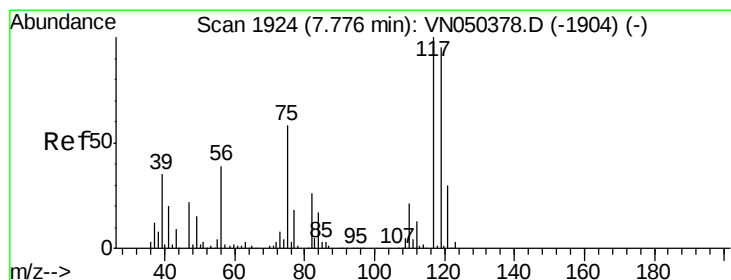
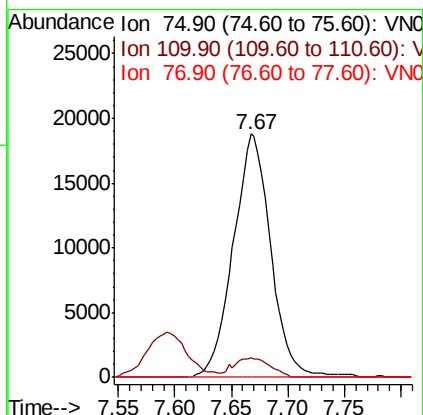
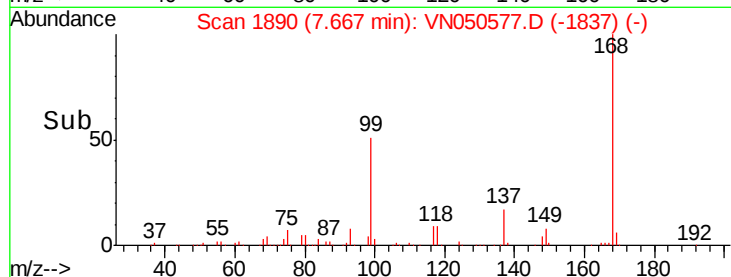
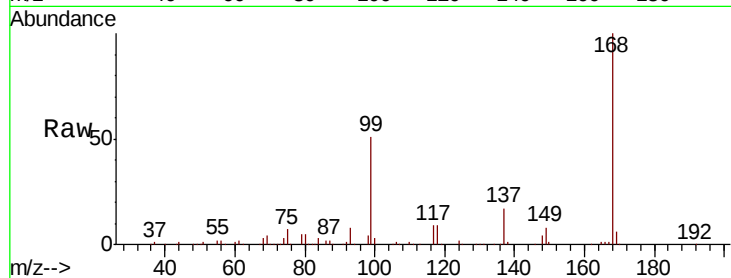
Tot Ion: 75 Resp: 43276

Ion Ratio Lower Upper

75 100

110 7.9 18.4 55.2#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

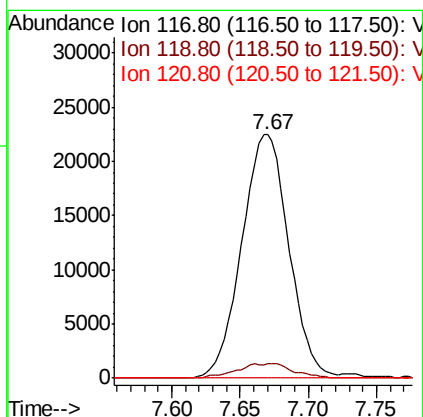
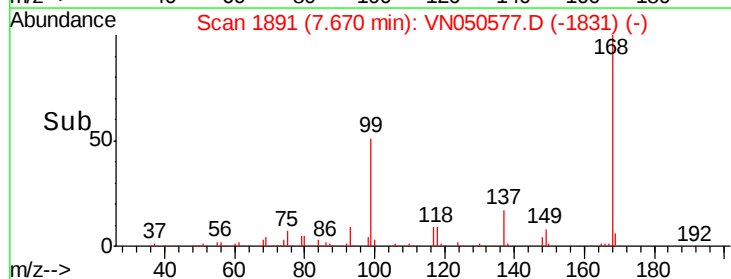
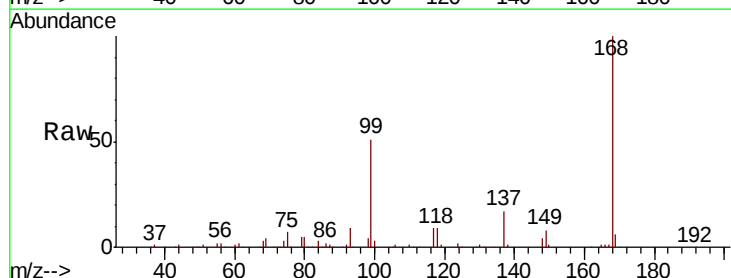
Tgt Ion: 117 Resp: 53730

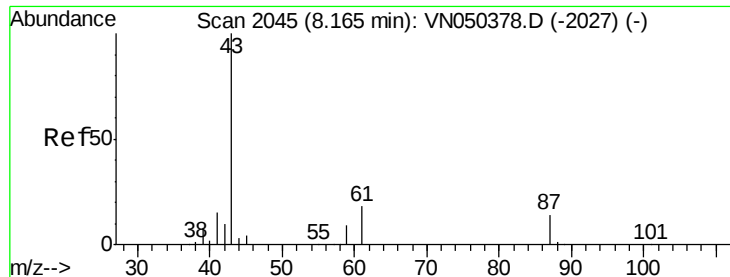
Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

121 0.0 23.9 35.9#



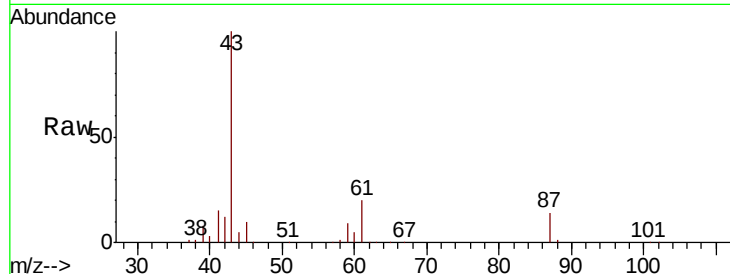


#43

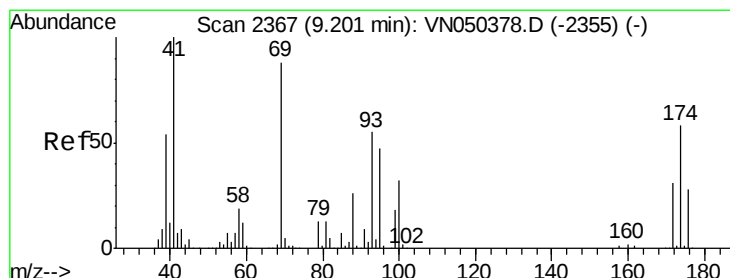
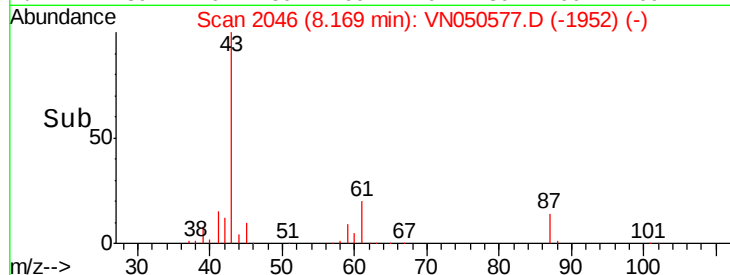
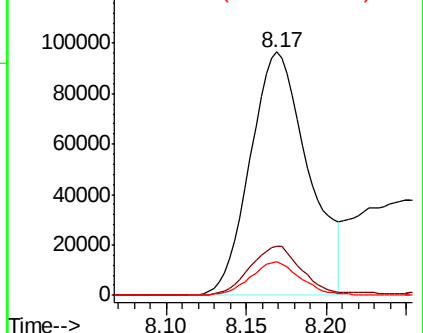
Isopropyl Acetate
 Concen: 17.32 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050577.D
 Acq: 13 Aug 2018 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#10

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.6
87	11.9	10.3	15.5



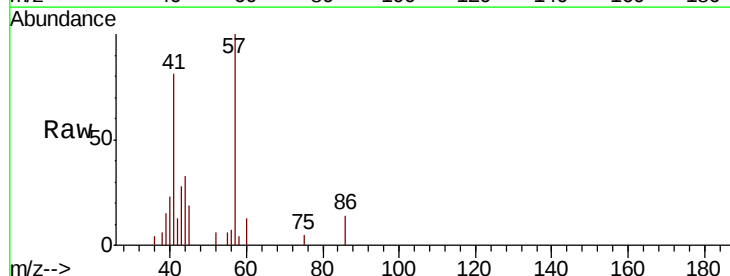
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



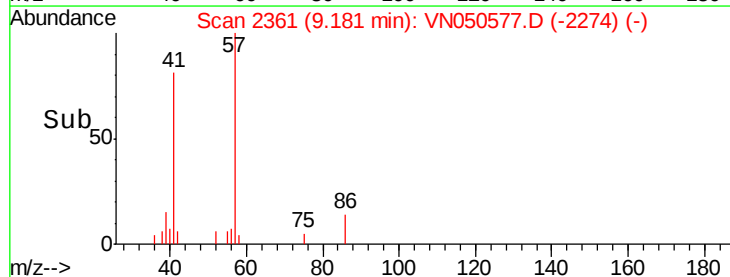
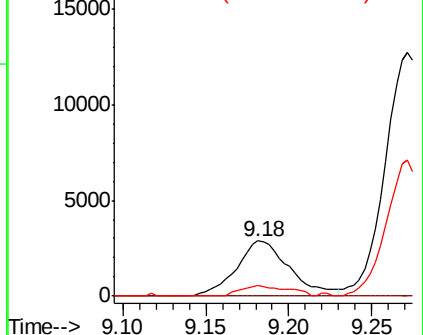
#48

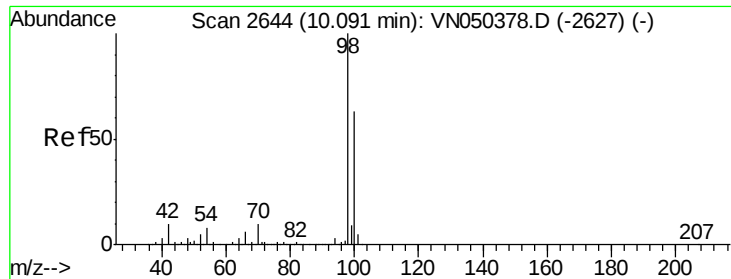
Methyl methacrylate
 Concen: 0.92 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN050577.D
 Acq: 13 Aug 2018 18:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	70.6	105.8#
39	16.9	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: 44.92 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

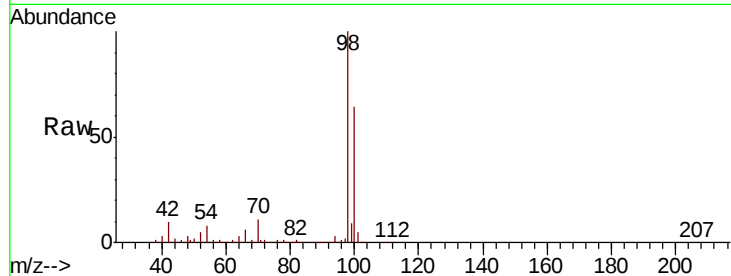
PB111961ZHE#10

Tot Ion: 98 Resp: 1379619

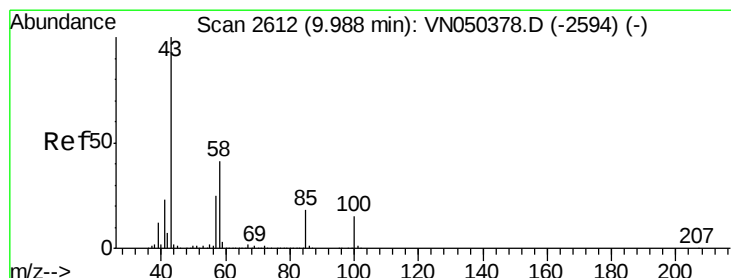
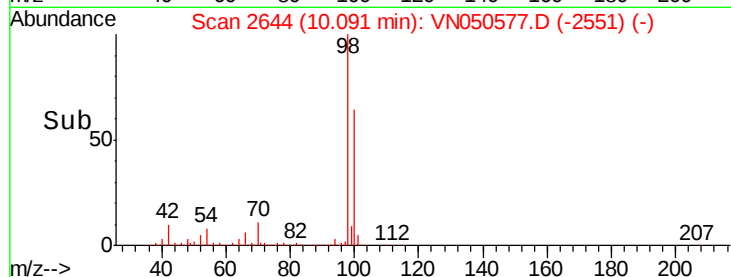
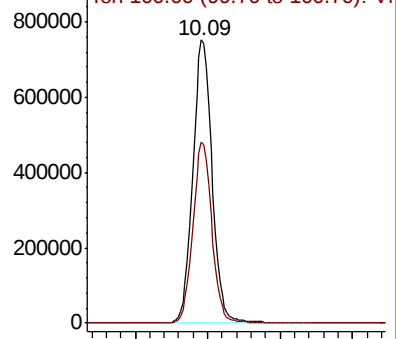
Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN050577.D

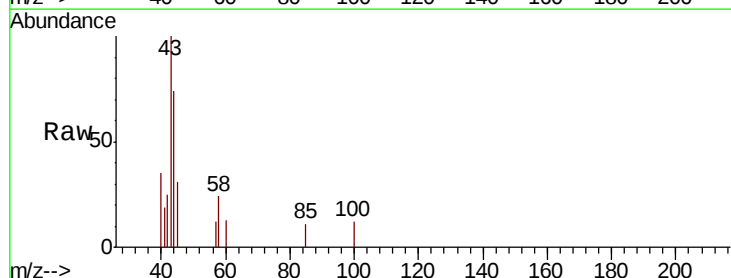
Acq: 13 Aug 2018 18:50

Tgt Ion: 43 Resp: 2258

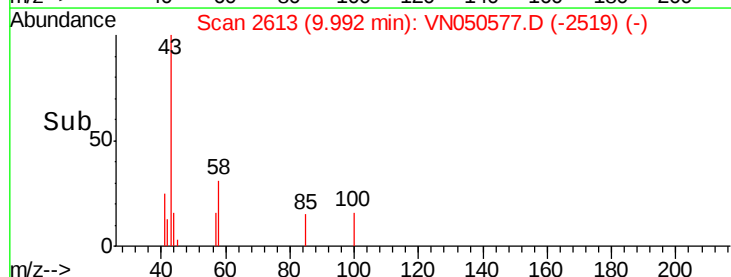
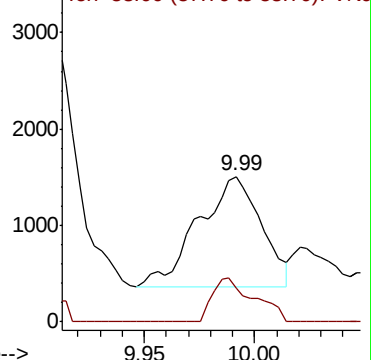
Ion Ratio Lower Upper

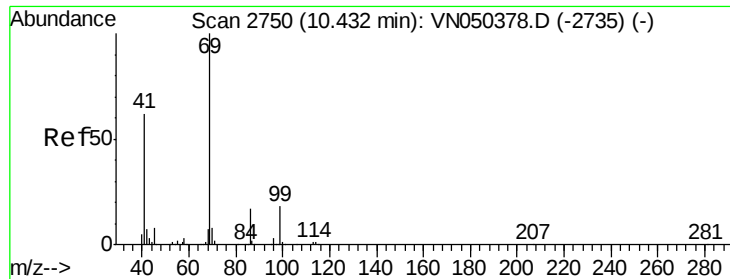
43 100

58 26.5 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.27 min Scan# 2701

Delta R.T. -0.16 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#10

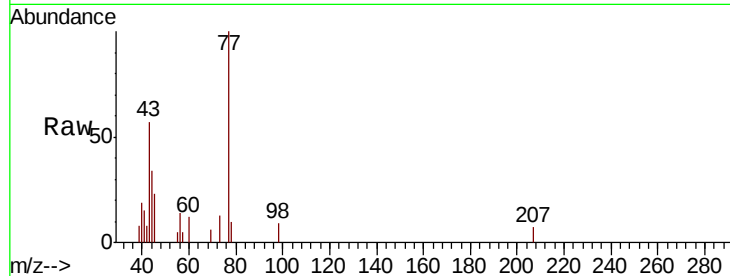
Tot Ion: 69 Resp: 99

Ion Ratio Lower Upper

69 100

41 1216.2 51.0 76.4#

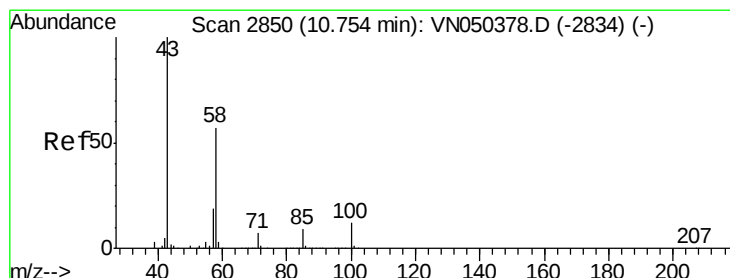
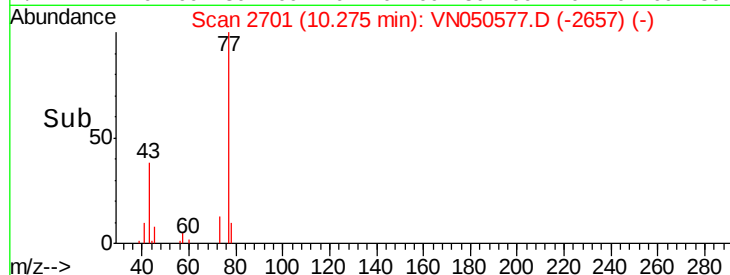
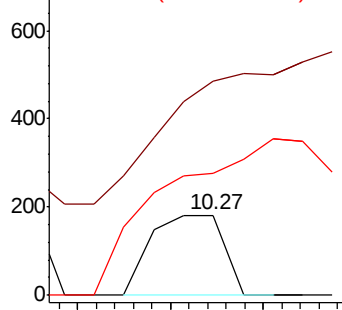
39 540.4 26.6 40.0#



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: 2.44 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050577.D

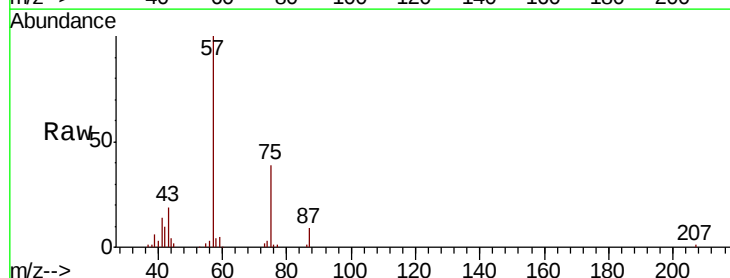
Acq: 13 Aug 2018 18:50

Tgt Ion: 43 Resp: 17030

Ion Ratio Lower Upper

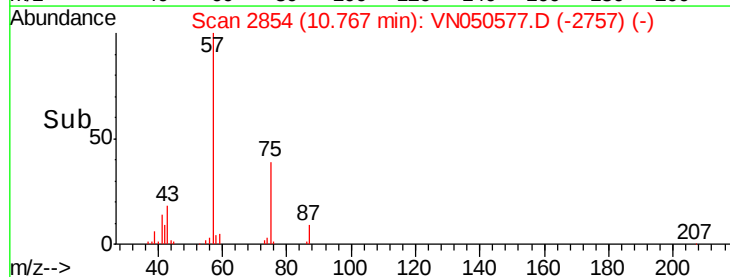
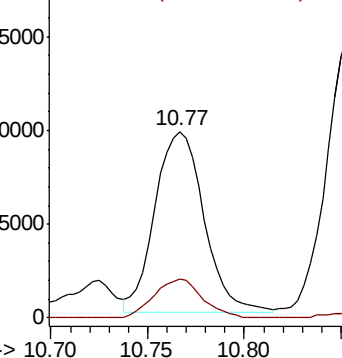
43 100

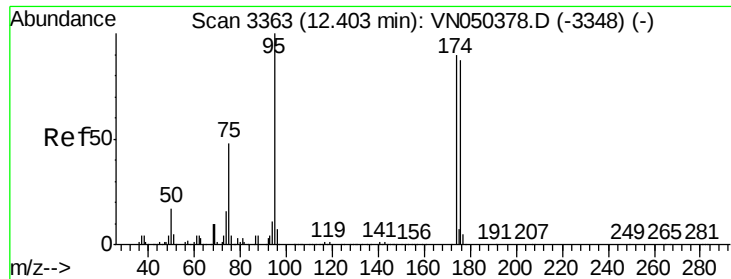
58 21.3 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

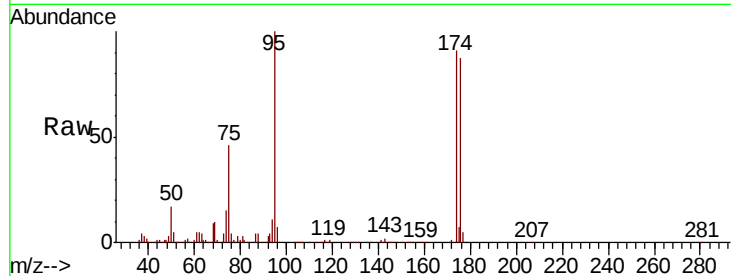




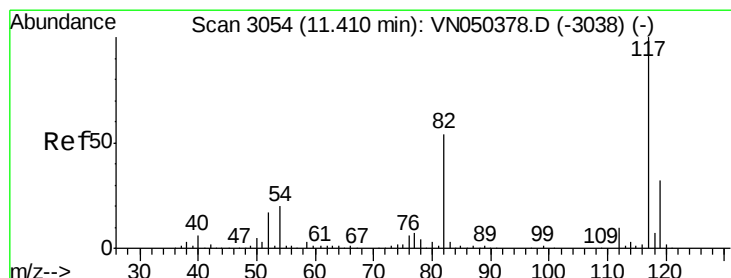
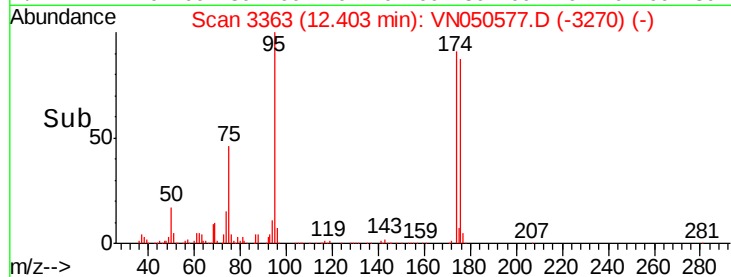
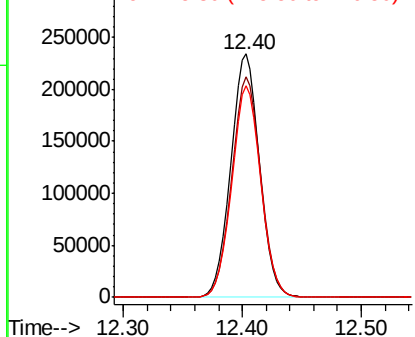
#62
4-Bromofluorobenzene
Concen: 37.32 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050577.D
Acq: 13 Aug 2018 18:50

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#10

Tot Ion: 95 Resp: 390726
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.2
176 87.7 0.0 173.4

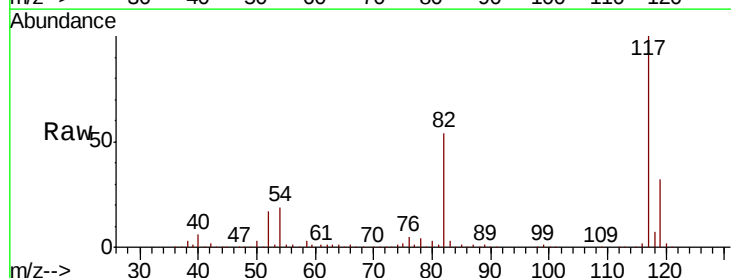


Abundance Ion 94.90 (94.60 to 95.60): VN050577.D (-3270) (-)
Ion 173.80 (173.50 to 174.50): VN050577.D (-3270) (-)
Ion 175.80 (175.50 to 176.50): VN050577.D (-3270) (-)

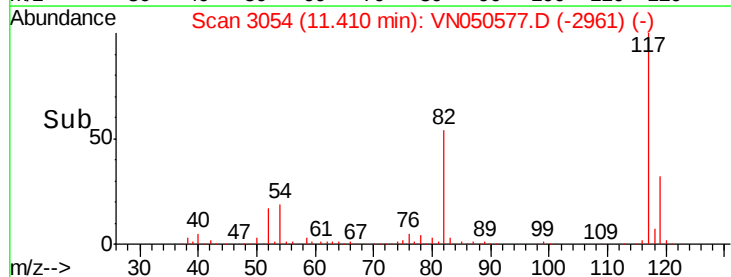
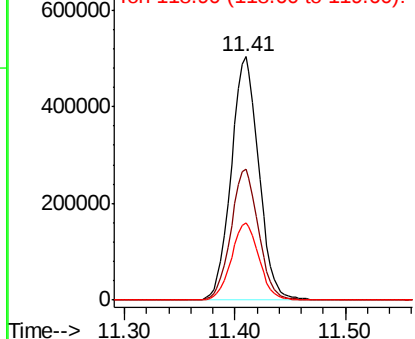


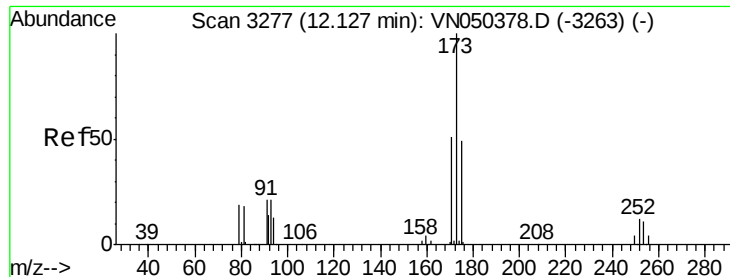
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050577.D
Acq: 13 Aug 2018 18:50

Tgt Ion: 117 Resp: 872422
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 31.9 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VN050577.D (-2961) (-)
Ion 82.00 (81.70 to 82.70): VN050577.D (-2961) (-)
Ion 118.90 (118.60 to 119.60): VN050577.D (-2961) (-)





#71

Bromoform

Concen: 0.28 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#10

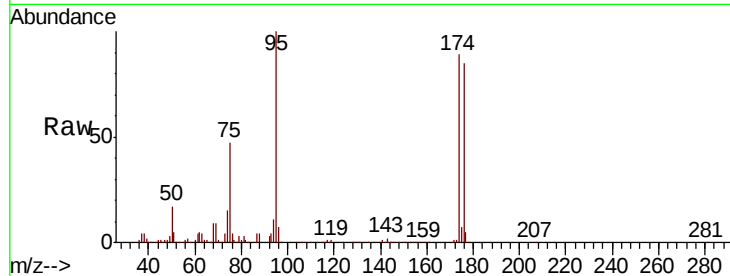
Tot Ion:173 Resp: 1628

Ion Ratio Lower Upper

173 100

175 1379.9 24.1 72.2#

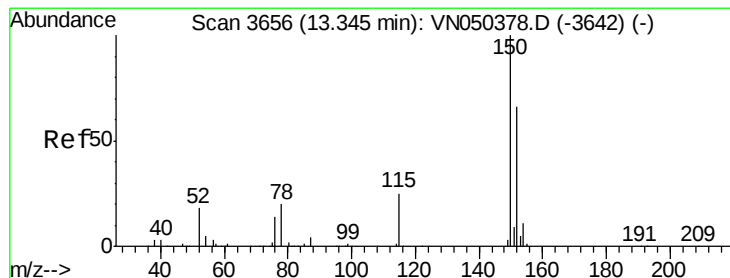
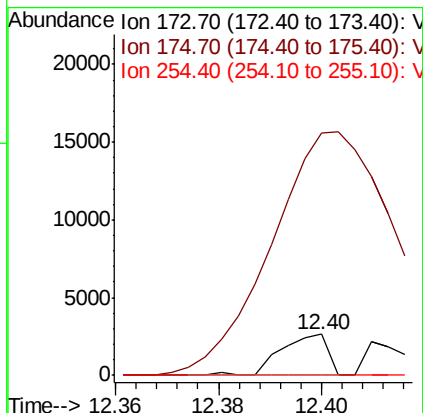
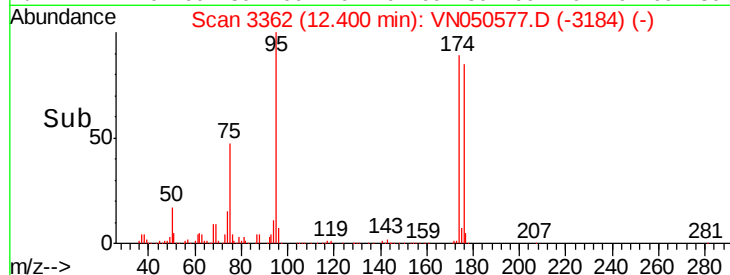
254 0.0 0.2 0.2#



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: VN050577.D

Acq: 13 Aug 2018 18:50

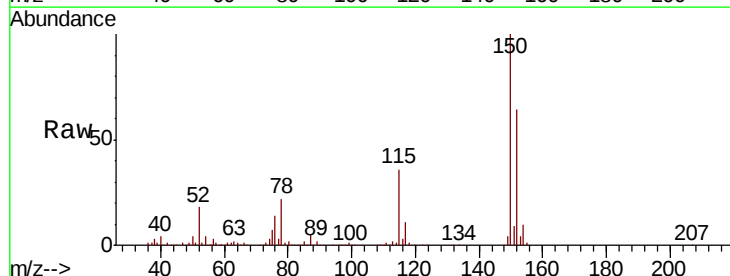
Tgt Ion:152 Resp: 332812

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

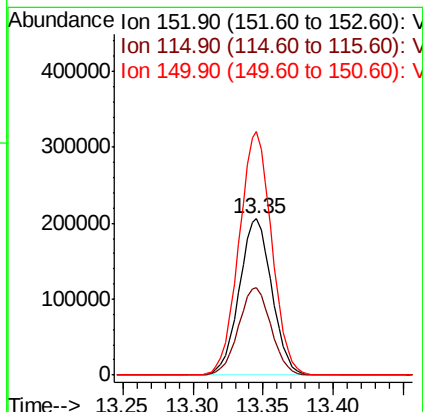
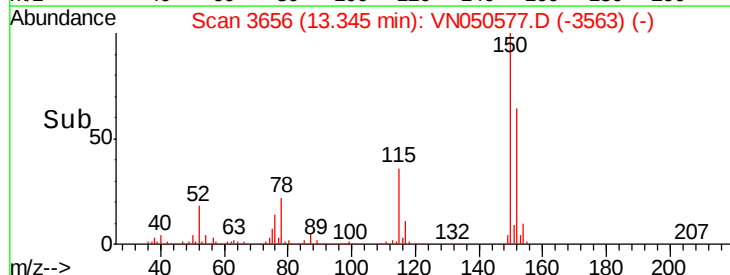
150 156.4 0.0 348.6

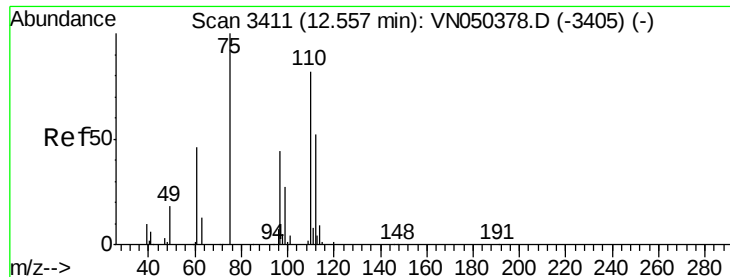


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.98 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

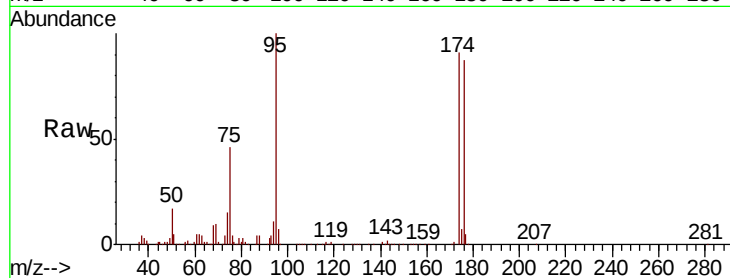
PB111961ZHE#10

Tot Ion: 75 Resp: 186627

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

120000

100000

80000

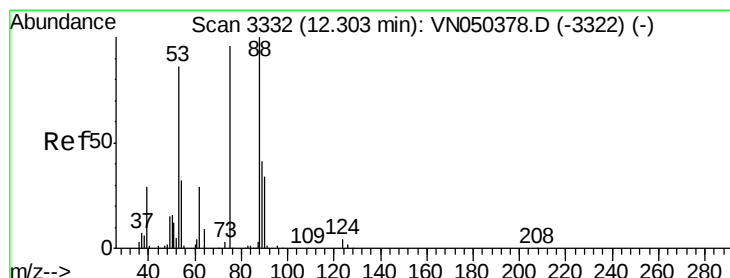
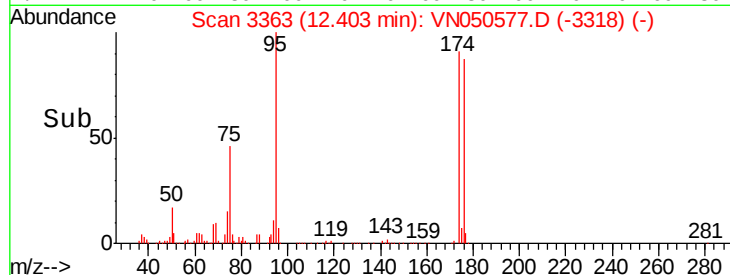
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050577.D

Acq: 13 Aug 2018 18:50

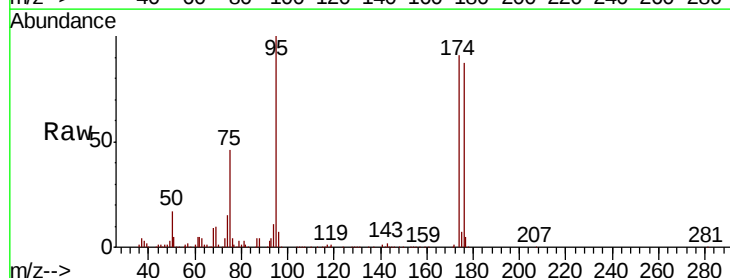
Tgt Ion: 75 Resp: 186627

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

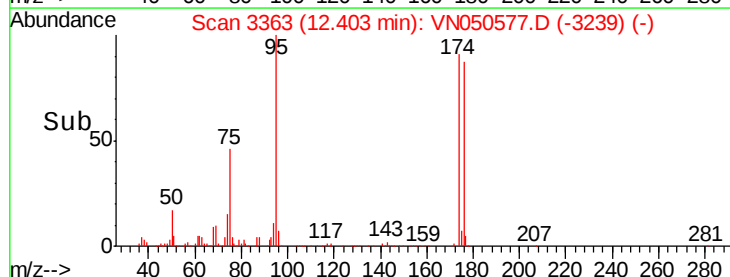
150000

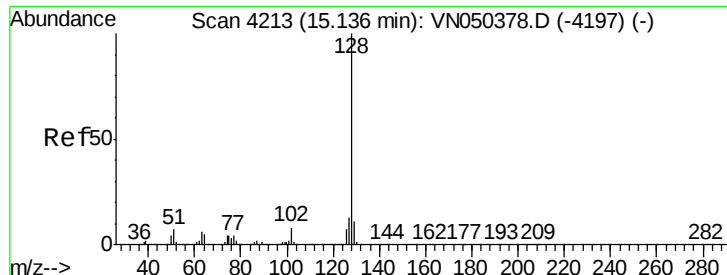
100000

50000

0

Time-->





#95
Naphthalene
Concen: 3.62 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050577.D
Acq: 13 Aug 2018 18:50

Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#10

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

