

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050575.D
 Acq On : 13 Aug 2018 18:01
 Operator : MD\SY
 Sample : PB111961ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#08

Quant Time: Aug 14 01:01:56 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	619804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1025748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	873332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	427569	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.59	113	397528	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.09	98	1397895	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
62) 4-Bromofluorobenzene	12.40	95	379901	36.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.04%	

Target Compounds

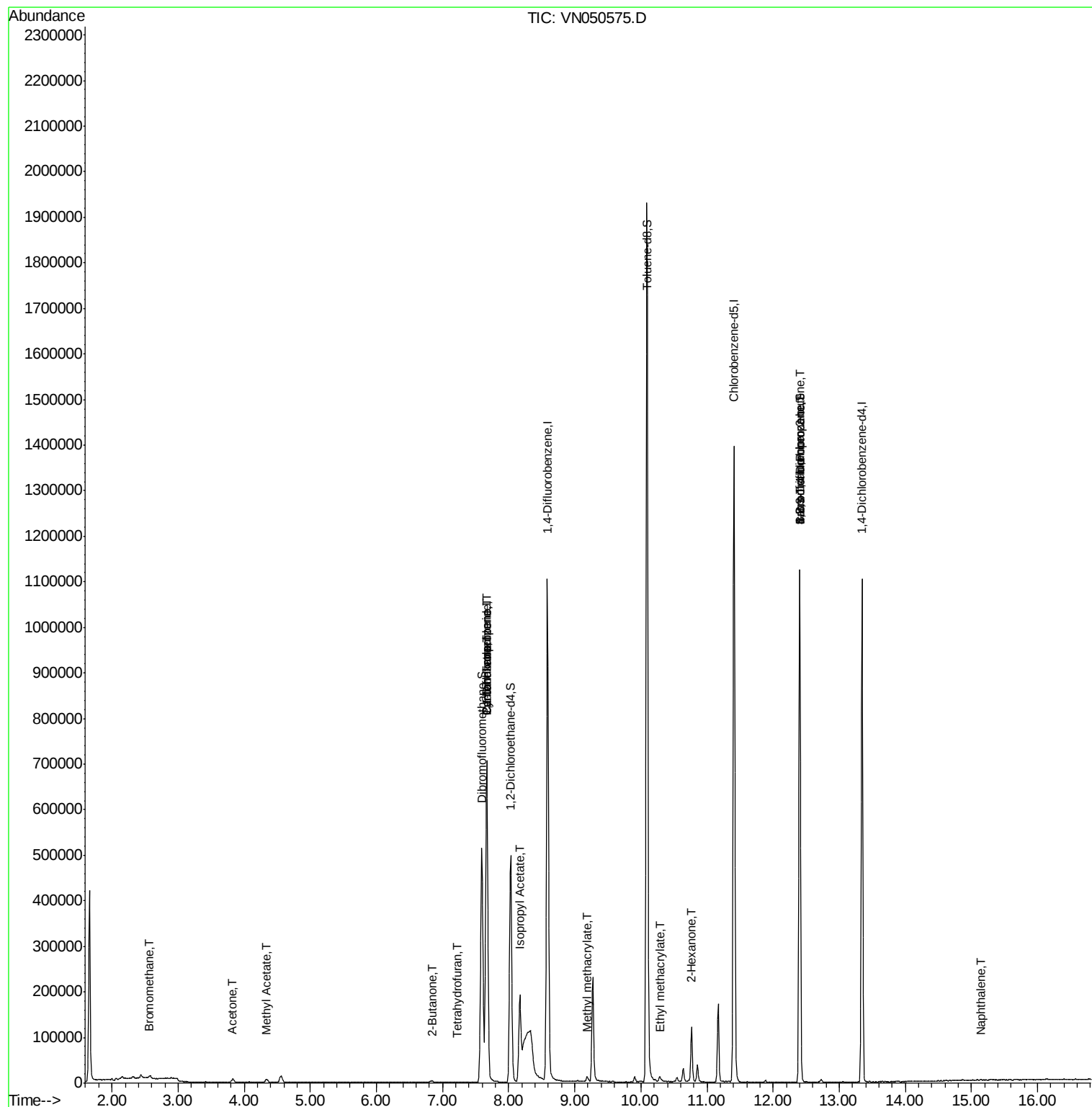
						Qvalue
3) Chloromethane	2.06	50	2631	Below Cal		99
5) Bromomethane	2.57	94	3335	0.94 ug/l		82
16) Acetone	3.82	43	12220	4.59 ug/l		99
18) Methyl Acetate	4.34	43	12548	1.77 ug/l #		74
20) Methylene Chloride	4.56	84	10989	Below Cal		96
25) 2-Butanone	6.84	43	1491	0.36 ug/l #		48
29) Tetrahydrofuran	7.22	42	523	0.24 ug/l #		78
31) Cyclohexane	7.67	56	11258	0.32 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	42848	3.80 ug/l #		48
38) Carbon Tetrachloride	7.67	117	55331	4.71 ug/l #		16
43) Isopropyl Acetate	8.17	43	243004	17.34 ug/l		96
48) Methyl methacrylate	9.18	41	6755	0.96 ug/l #		20
56) Ethyl methacrylate	10.28	69	64	1.72 ug/l #		1
59) 2-Hexanone	10.76	43	16293	2.31 ug/l #		57
71) Bromoform	12.40	173	2146	0.37 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	181057	32.06 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	181057	112.66 ug/l #		13
95) Naphthalene	15.13	128	186	3.63 ug/l #		69

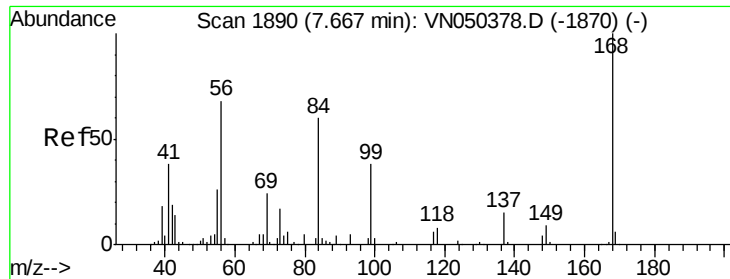
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081318\
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Quant Title : SW846 8260
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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: VN050575.D

Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

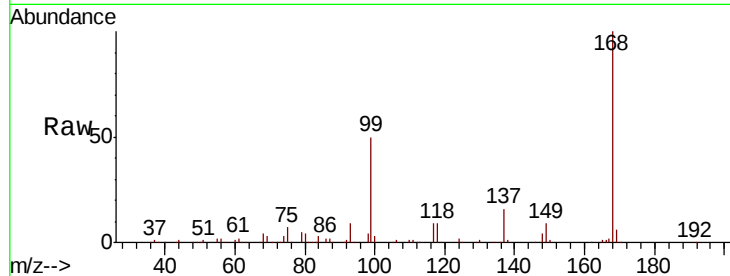
PB111961ZHE#08

Tot Ion:168 Resp: 619804

Ion Ratio Lower Upper

168 100

99 50.2 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) (-)

7.67

250000

200000

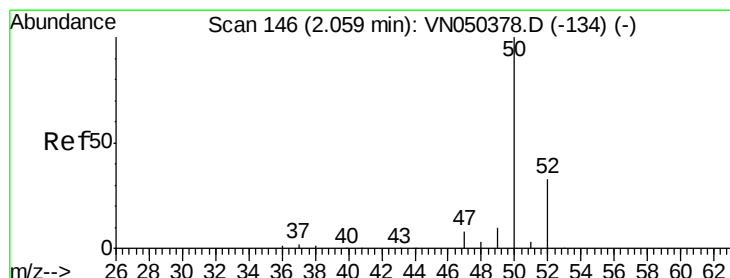
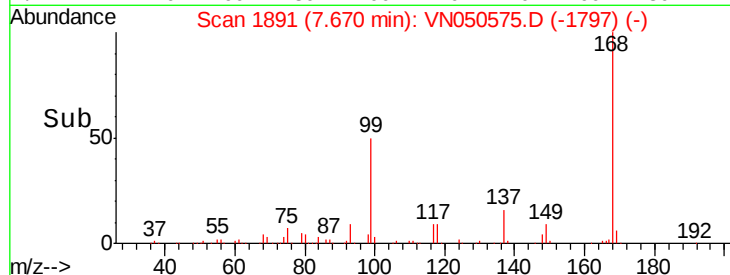
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050575.D

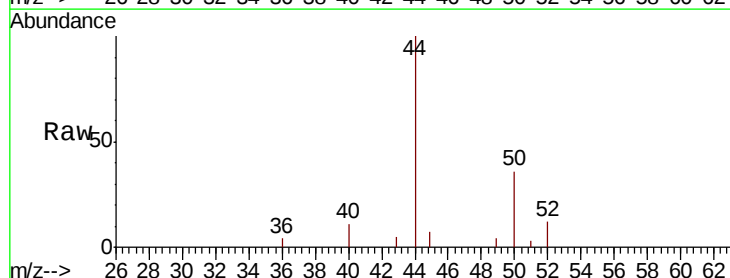
Acq: 13 Aug 2018 18:01

Tgt Ion: 50 Resp: 2631

Ion Ratio Lower Upper

50 100

52 33.0 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) (-)

2.06

2000

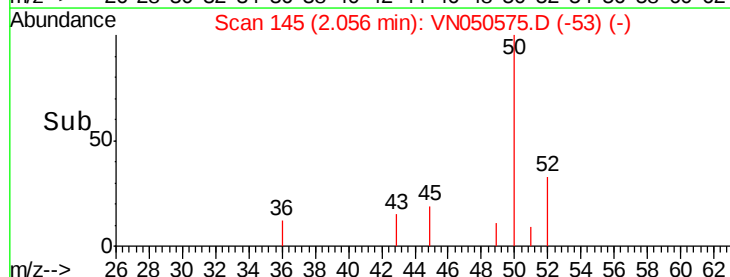
1500

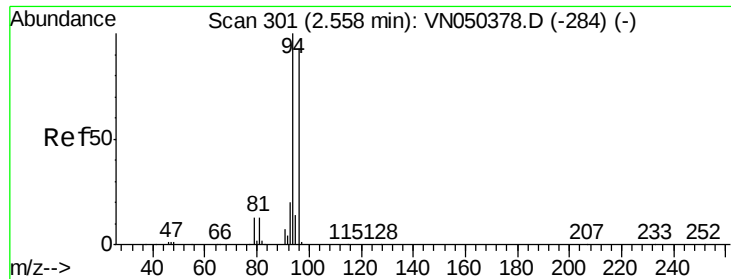
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.94 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

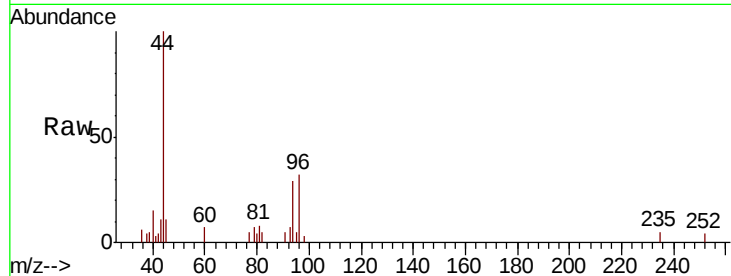
PB111961ZHE#08

Tot Ion: 94 Resp: 3335

Ion Ratio Lower Upper

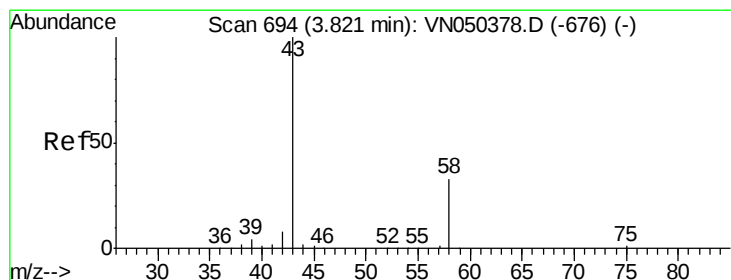
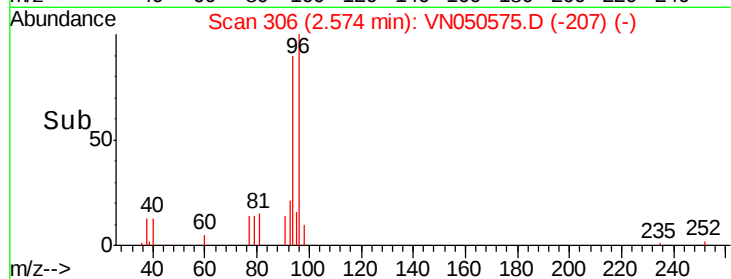
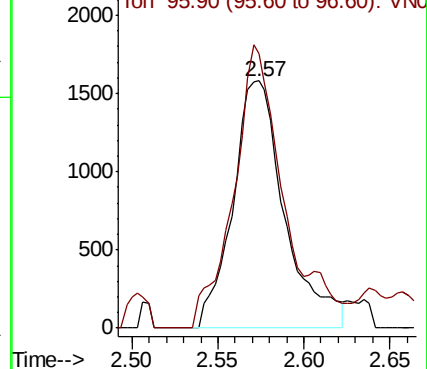
94 100

96 110.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 4.59 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050575.D

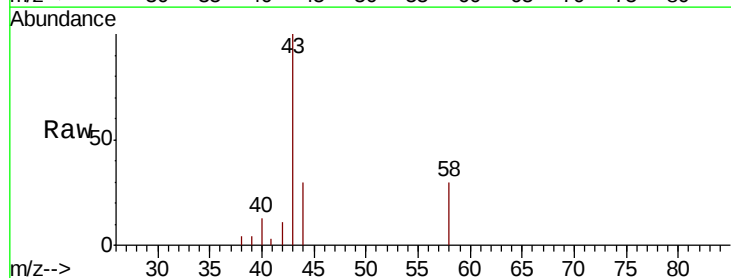
Acq: 13 Aug 2018 18:01

Tgt Ion: 43 Resp: 12220

Ion Ratio Lower Upper

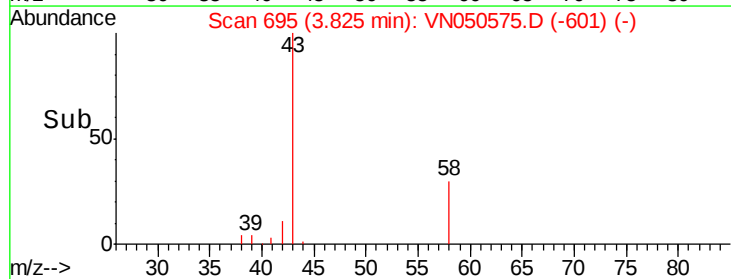
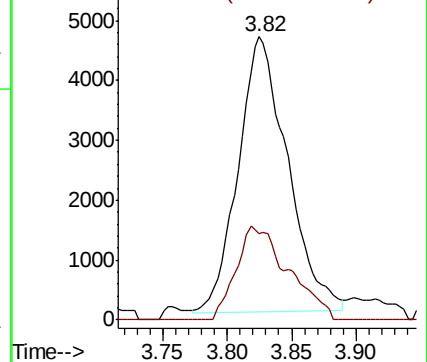
43 100

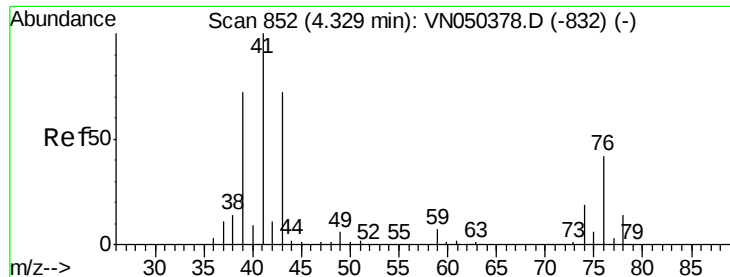
58 31.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

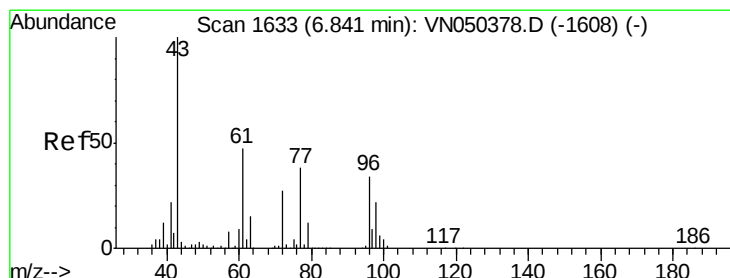
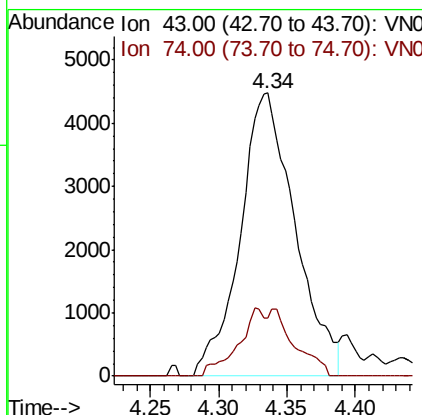
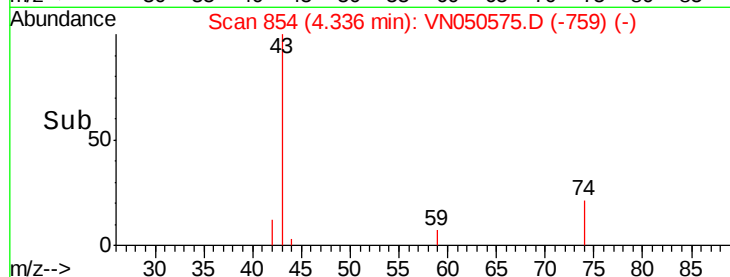
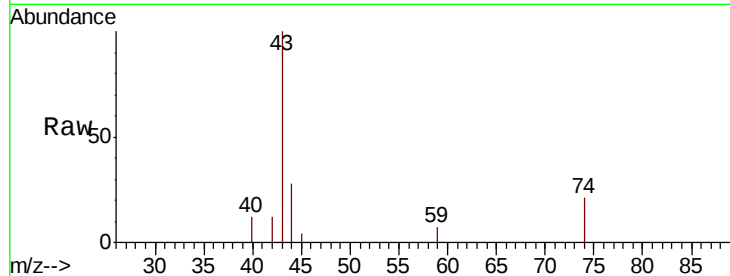




#18
Methyl Acetate
Concen: 1.77 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

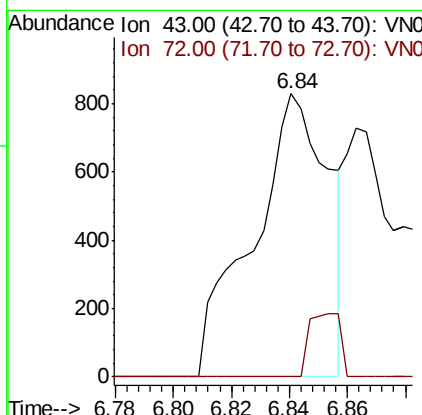
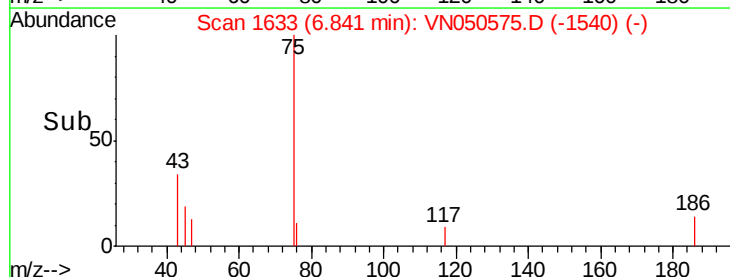
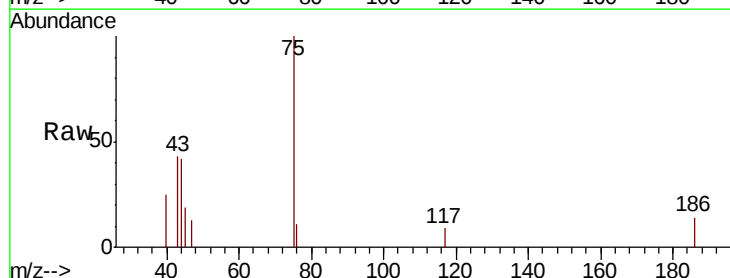
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#08

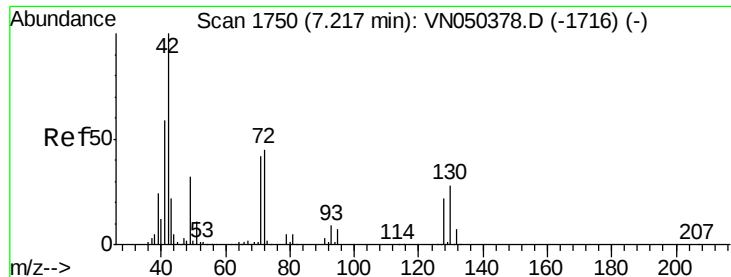
Tot Ion: 43 Resp: 12548
Ion Ratio Lower Upper
43 100
74 11.2 19.2 28.8#



#25
2-Butanone
Concen: 0.36 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#08

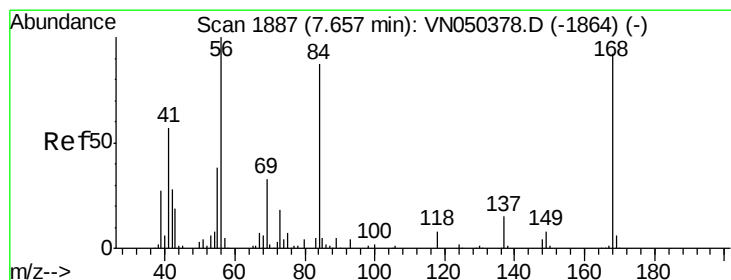
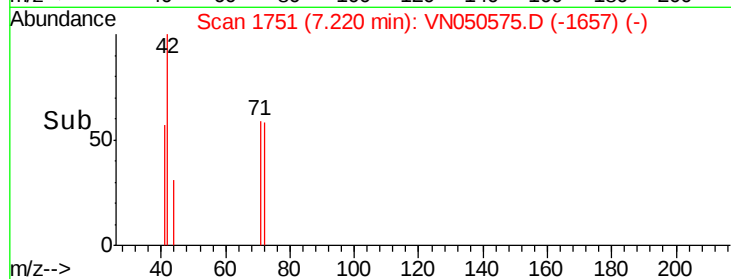
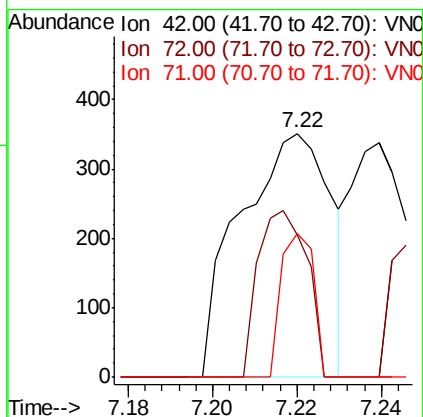
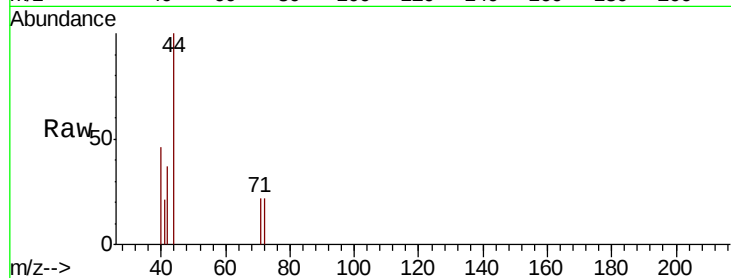
Tot Ion: 42 Resp: 523

Ion Ratio Lower Upper

42 100

72 36.9 35.9 53.9

71 21.0 33.7 50.5#



#31

Cyclohexane

Concen: 0.32 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

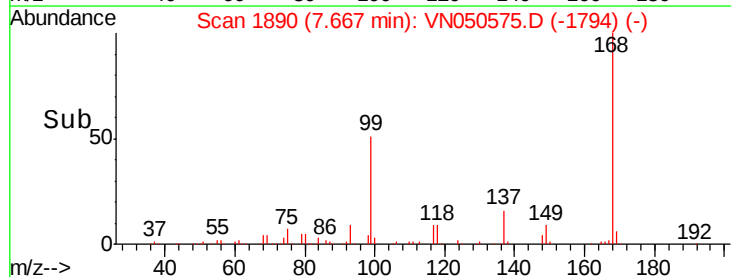
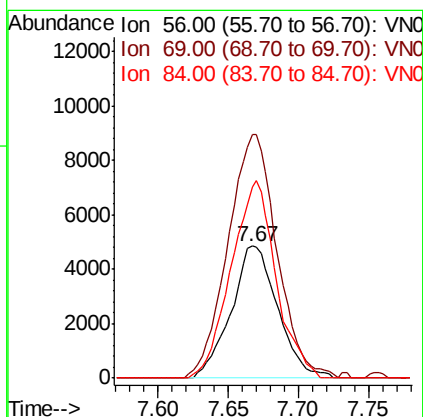
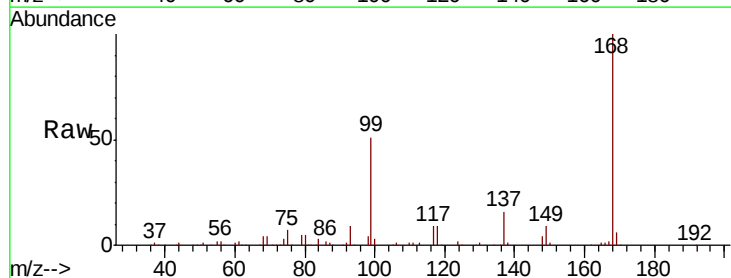
Tgt Ion: 56 Resp: 11258

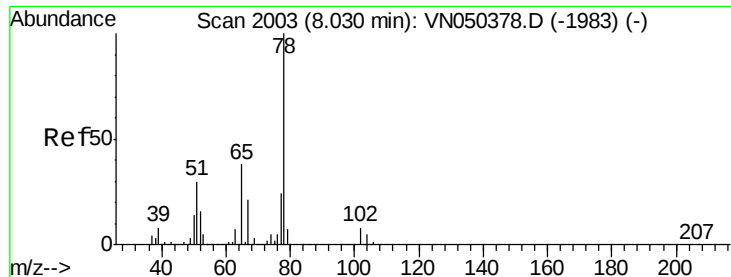
Ion Ratio Lower Upper

56 100

69 184.5 26.2 39.4#

84 144.6 67.4 101.0#

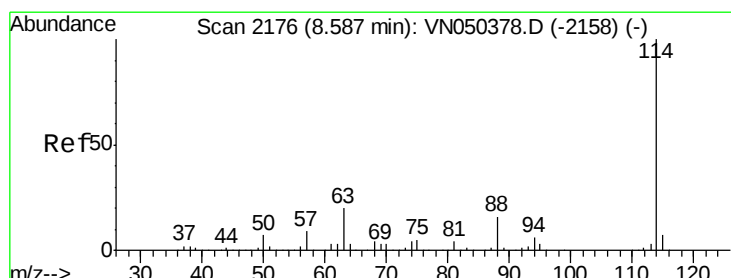
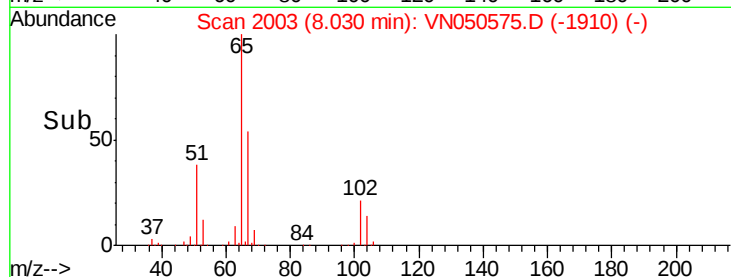
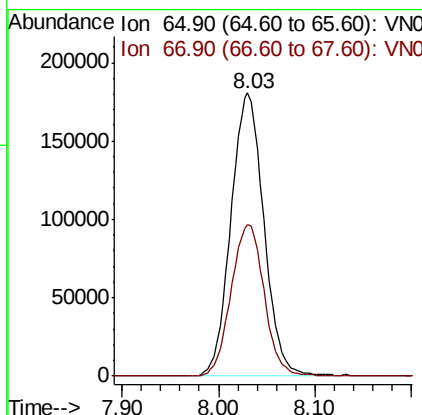
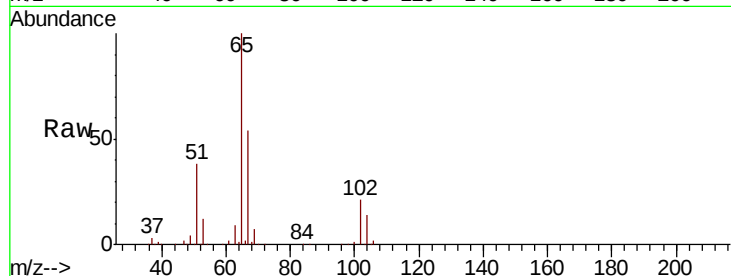




#33
 1,2-Dichloroethane-d4
 Concen: 51.63 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050575.D
 Acq: 13 Aug 2018 18:01

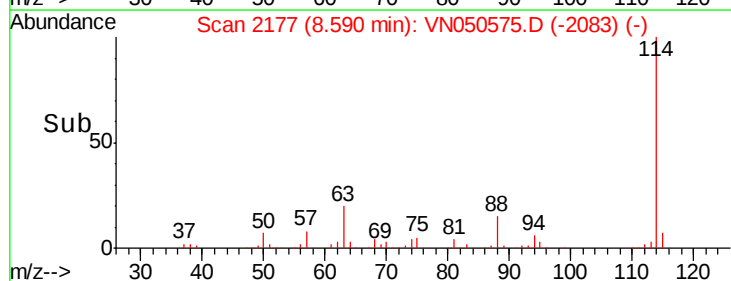
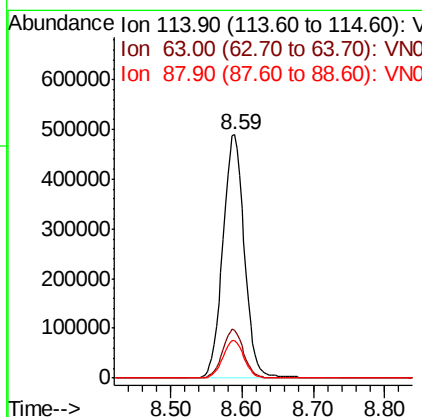
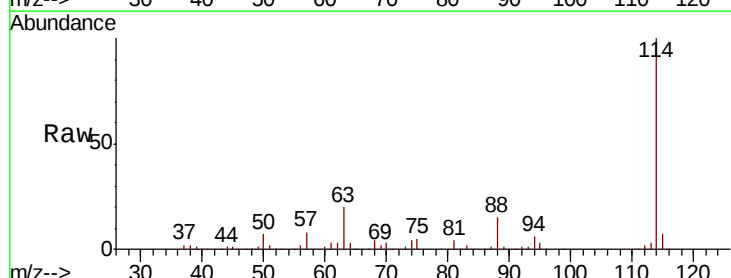
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#08

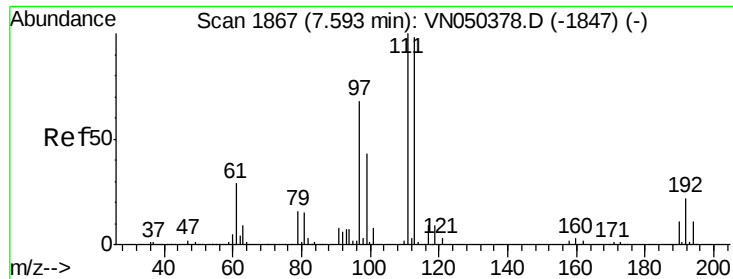
Tot Ion: 65 Resp: 427569
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050575.D
 Acq: 13 Aug 2018 18:01

Tgt Ion: 114 Resp: 1025748
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.4 0.0 31.2

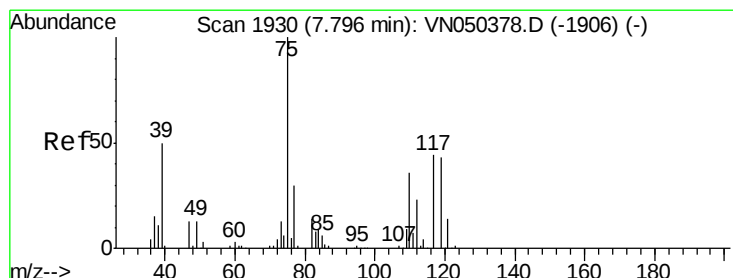
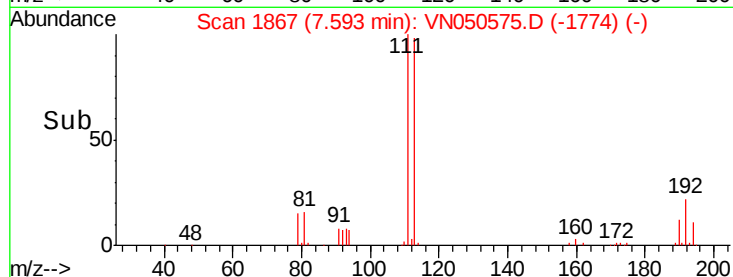
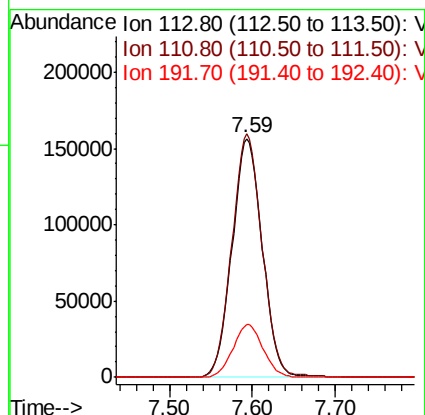
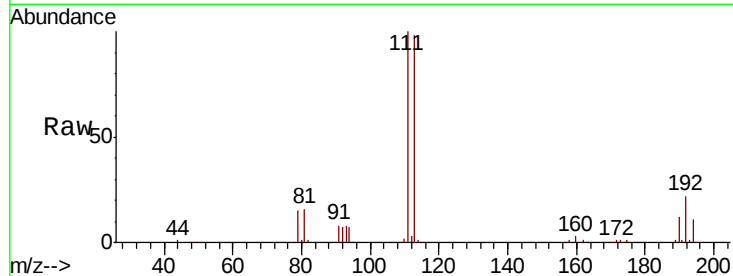




#35
 Dibromofluoromethane
 Concen: 48.30 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050575.D
 Acq: 13 Aug 2018 18:01

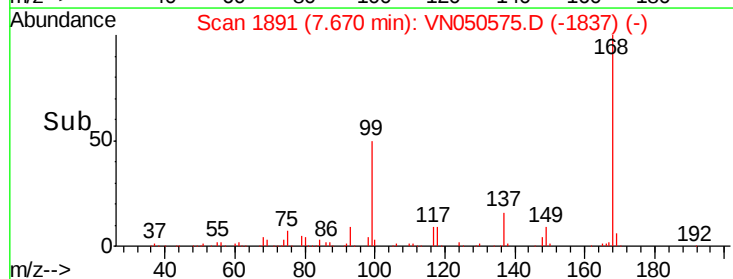
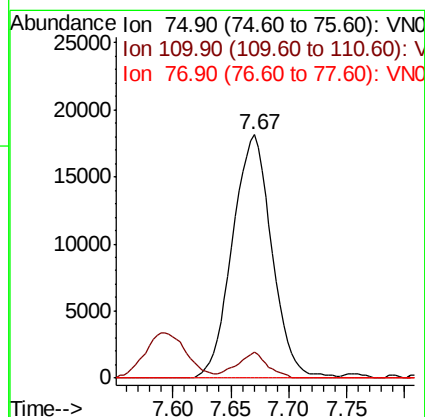
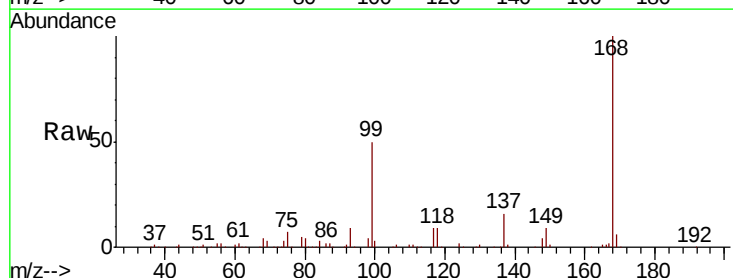
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 ClientSampleId :
 PB111961ZHE#08

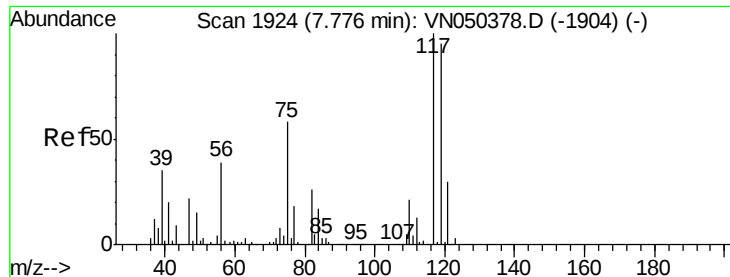
Tot Ion:113 Resp: 397528
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050575.D
 Acq: 13 Aug 2018 18:01

Tgt Ion: 75 Resp: 42848
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.2#
 77 0.0 25.3 37.9#

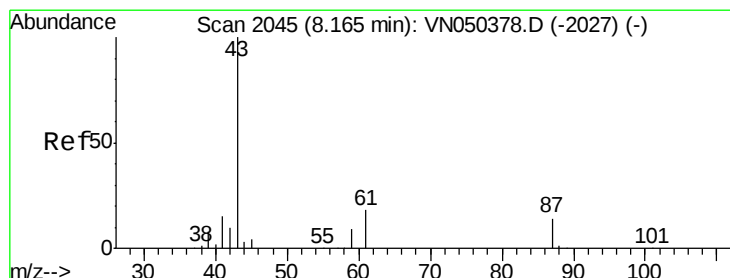
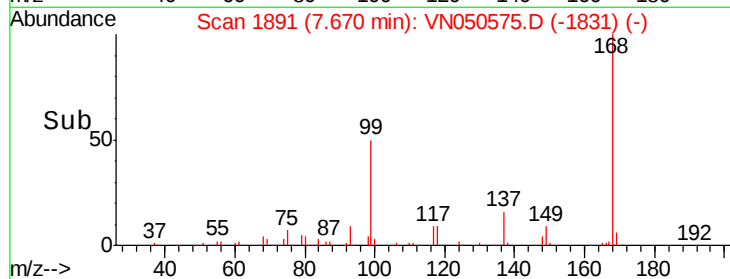
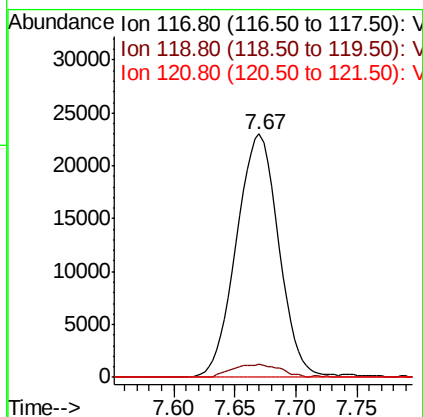
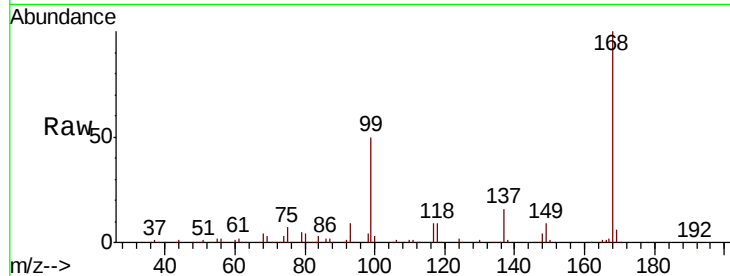




#38
Carbon Tetrachloride
Concen: 4.71 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

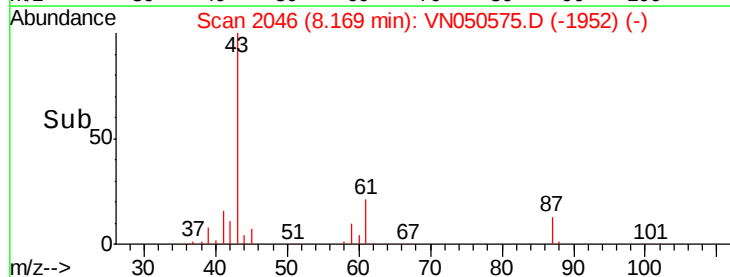
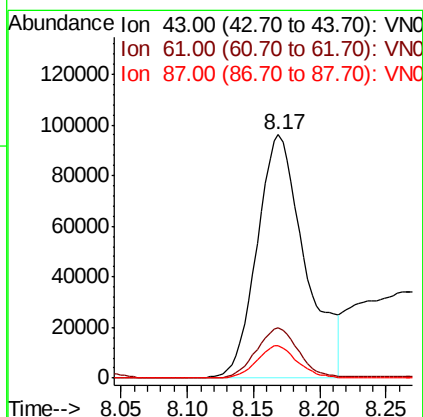
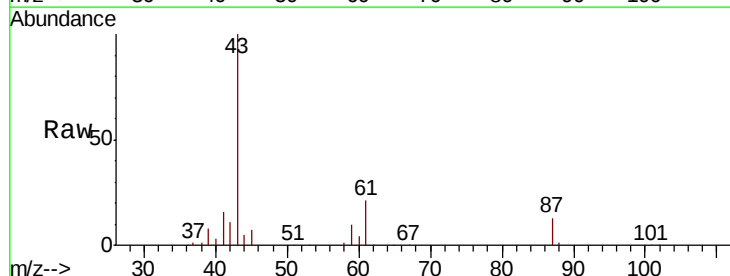
Instrument :
MSVOA_N
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PB111961ZHE#08

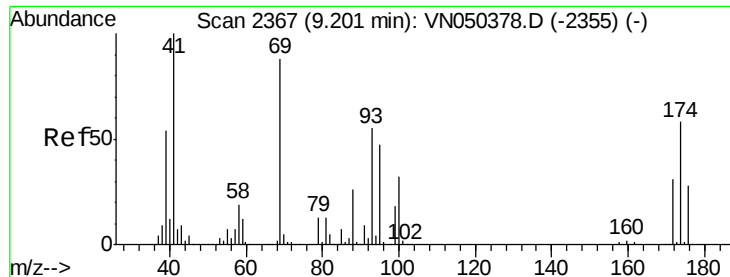
Tot Ion:117 Resp: 55331
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 17.34 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

Tgt Ion: 43 Resp: 243004
Ion Ratio Lower Upper
43 100
61 18.2 15.8 23.6
87 11.3 10.3 15.5

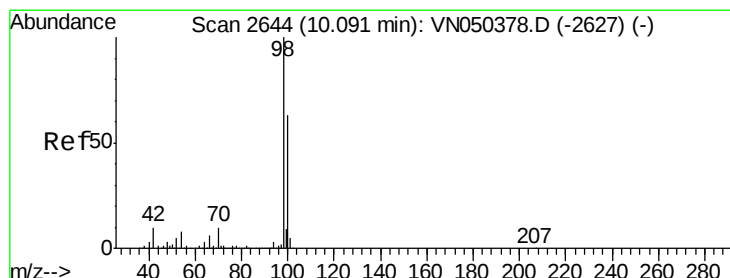
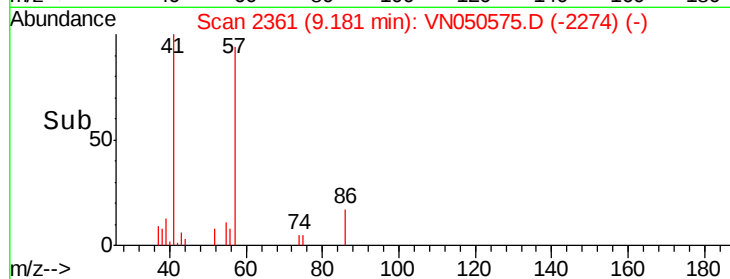
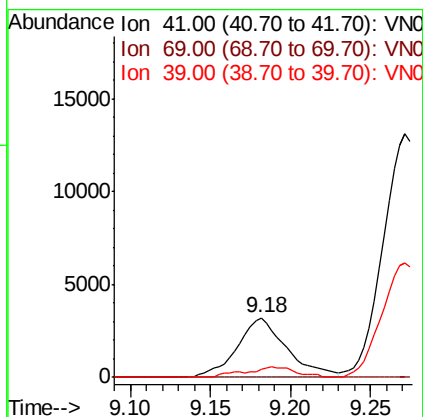
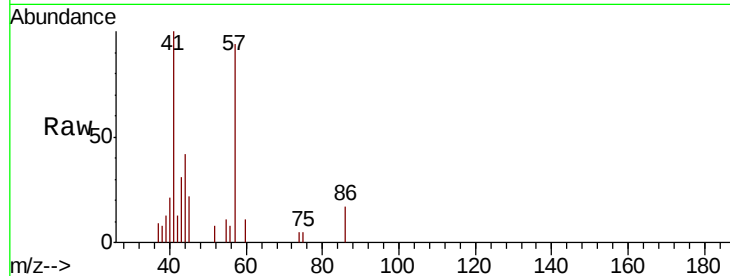




#48
Methvl methacrylate
Concen: 0.96 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

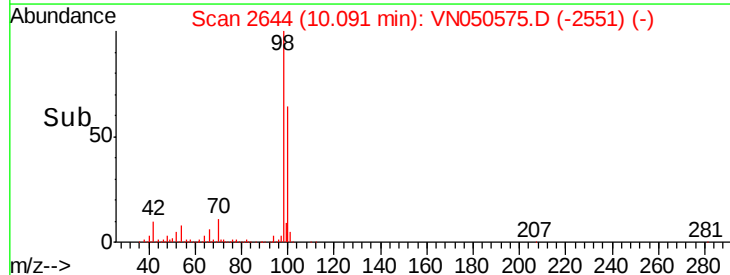
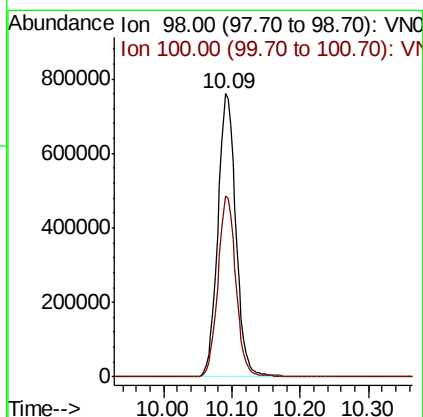
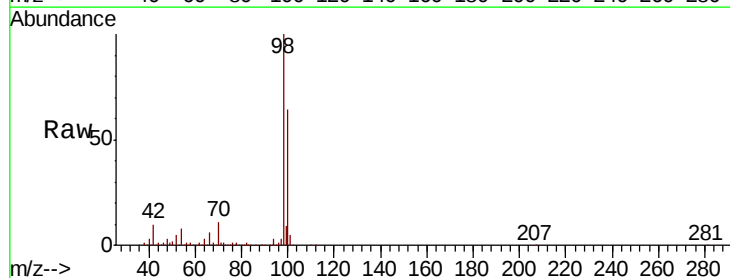
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#08

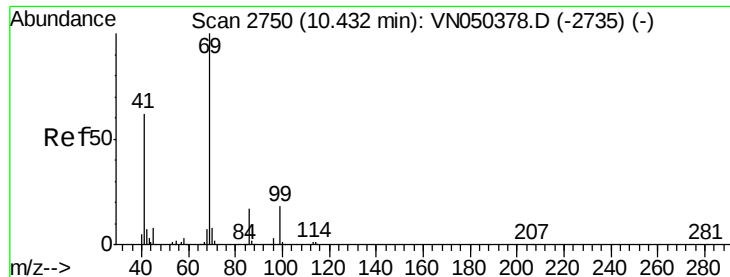
Tot Ion: 41 Resp: 6755
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 13.9 43.9 65.9#



#50
Toluene-d8
Concen: 45.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

Tgt Ion: 98 Resp: 1397895
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.28 min Scan# 2704

Delta R.T. -0.15 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#08

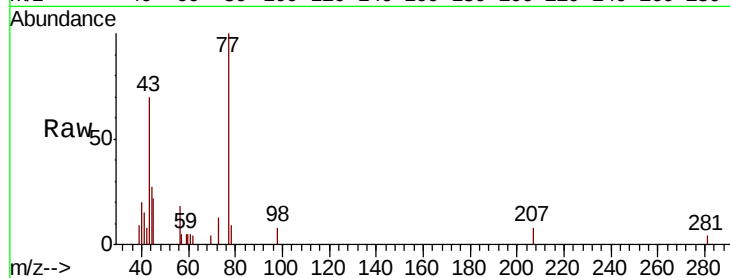
Tot Ion: 69 Resp: 64

Ion Ratio Lower Upper

69 100

41 1745.3 51.0 76.4#

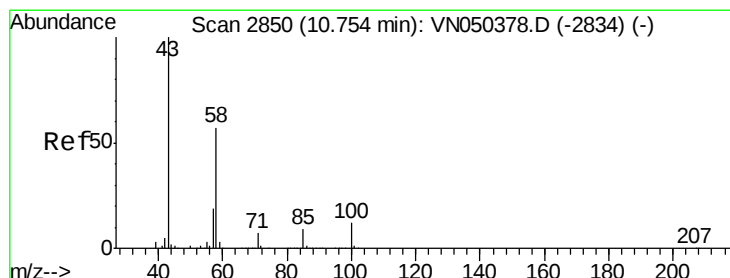
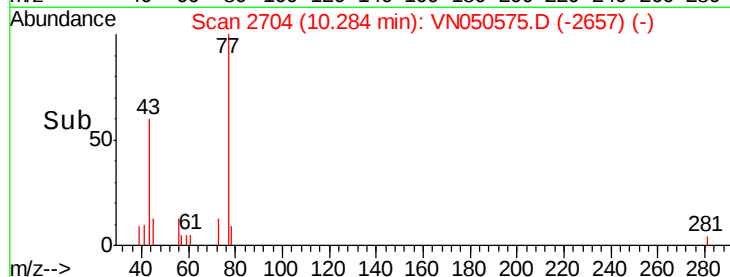
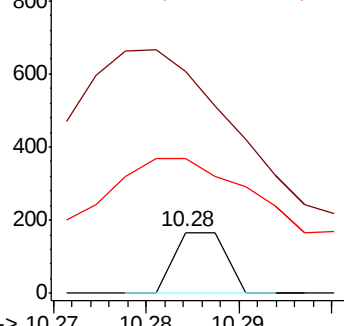
39 907.8 26.6 40.0#



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: 2.31 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN050575.D

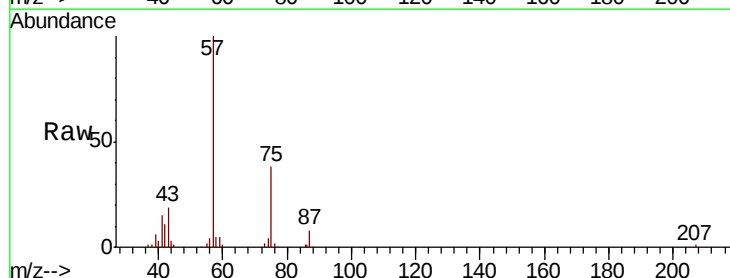
Acq: 13 Aug 2018 18:01

Tgt Ion: 43 Resp: 16293

Ion Ratio Lower Upper

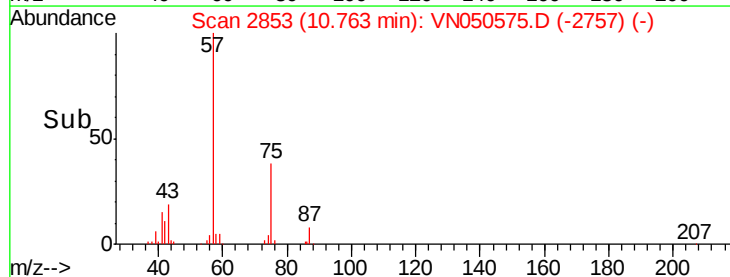
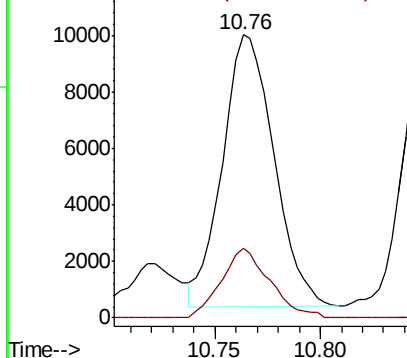
43 100

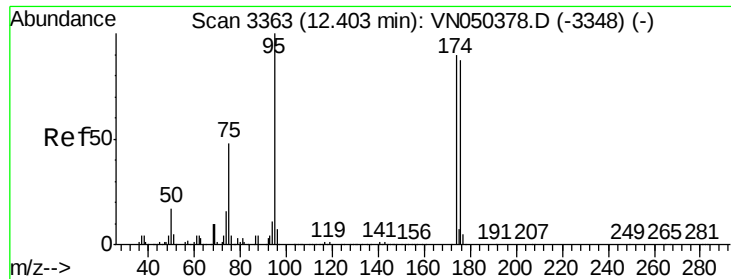
58 24.1 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#08

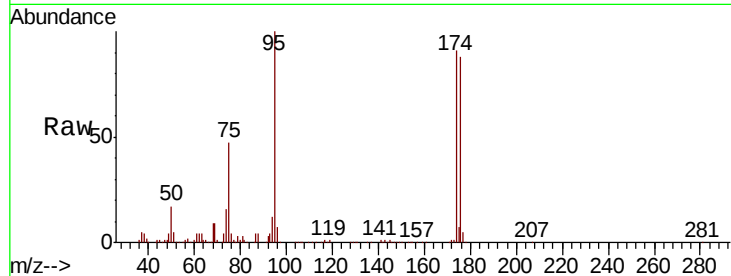
Tot Ion: 95 Resp: 379901

Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.2

176 87.7 0.0 173.4



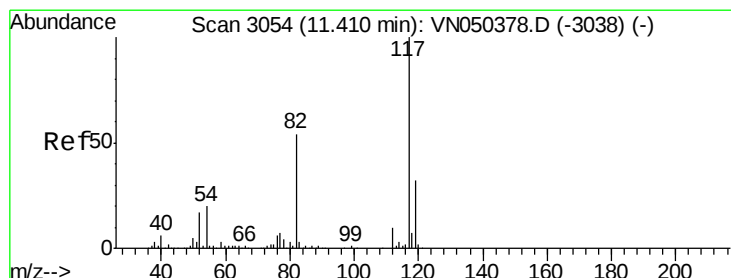
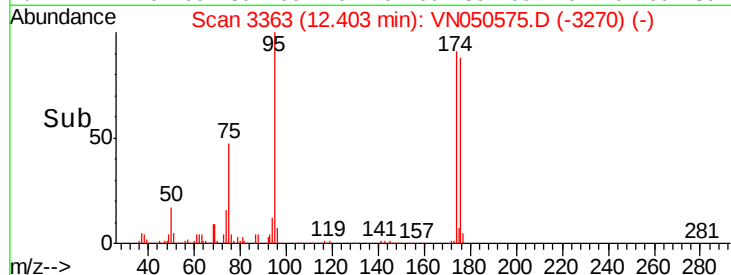
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

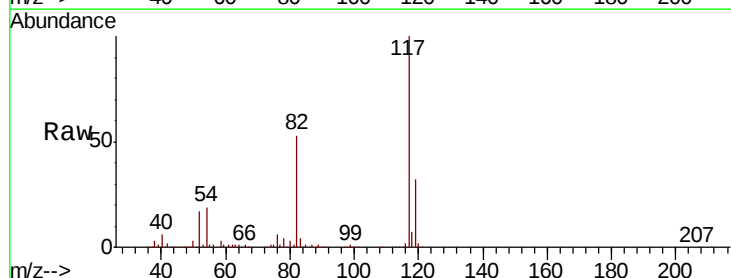
Tgt Ion: 117 Resp: 873332

Ion Ratio Lower Upper

117 100

82 53.1 43.7 65.5

119 31.8 26.1 39.1



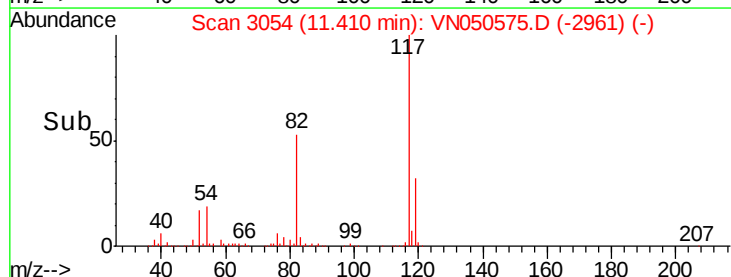
Abundance Ion 116.90 (116.60 to 117.60): VN0

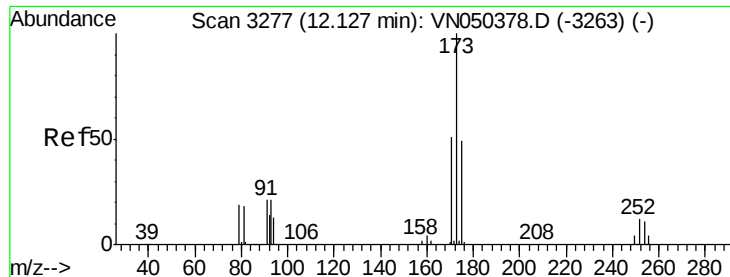
Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

Time--> 11.30 11.40 11.50

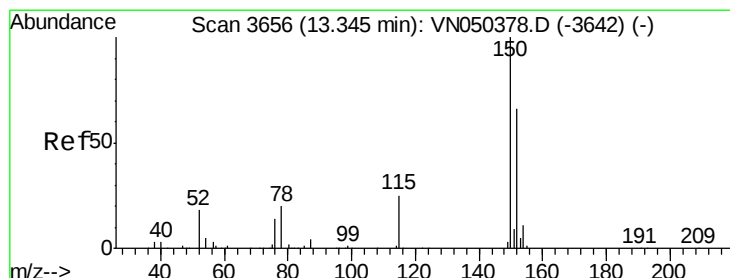
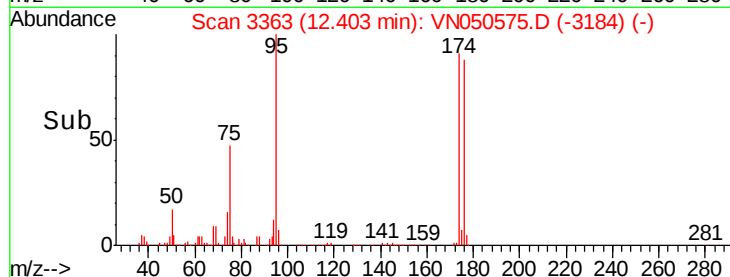
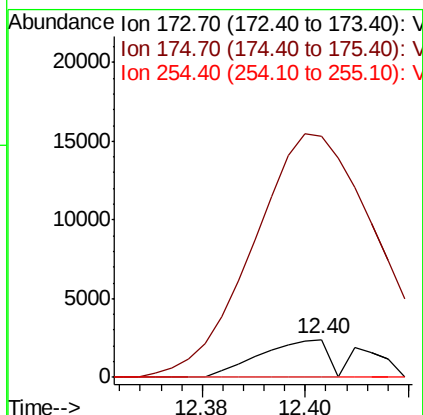
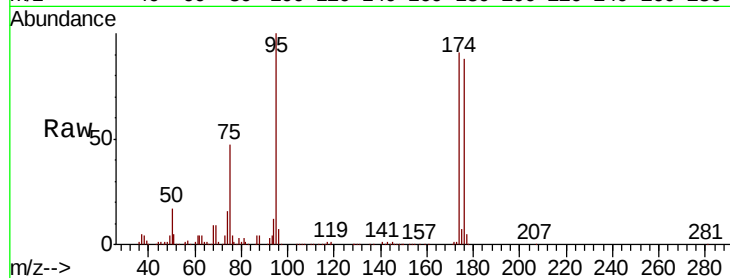




#71
Bromoform
Concen: 0.37 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

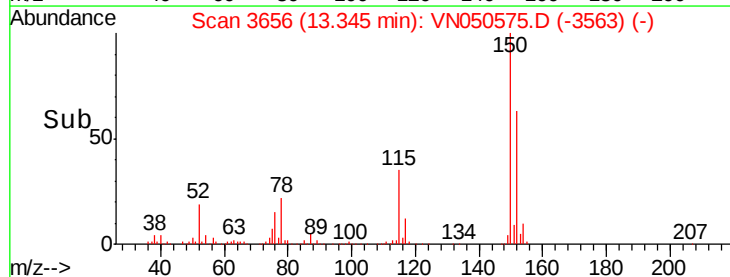
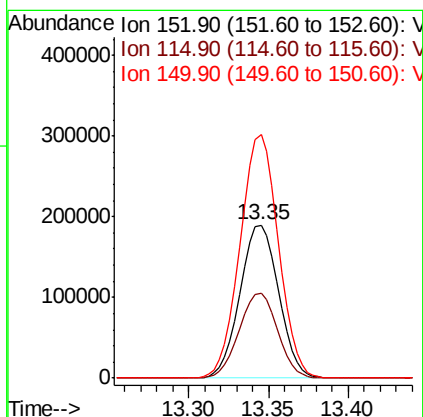
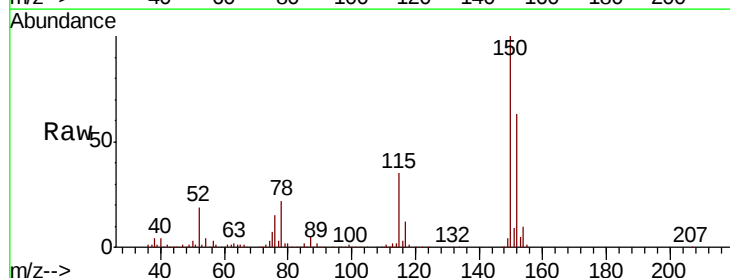
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#08

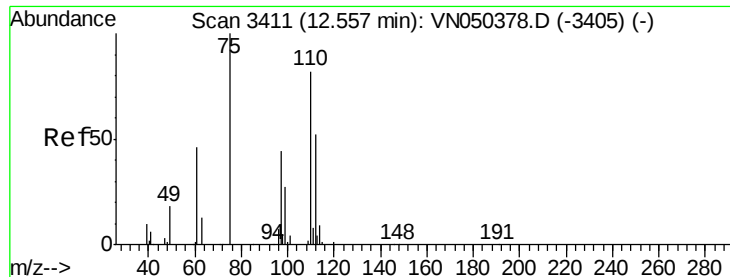
Tot Ion:173 Resp: 2146
Ion Ratio Lower Upper
173 100
175 1032.7 24.1 72.2#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050575.D
Acq: 13 Aug 2018 18:01

Tgt Ion:152 Resp: 311960
Ion Ratio Lower Upper
152 100
115 55.3 27.8 83.3
150 157.4 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 32.06 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.16 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

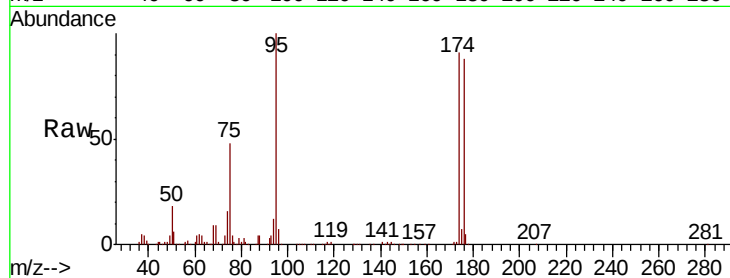
PB111961ZHE#08

Tot Ion: 75 Resp: 181057

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

120000

100000

80000

60000

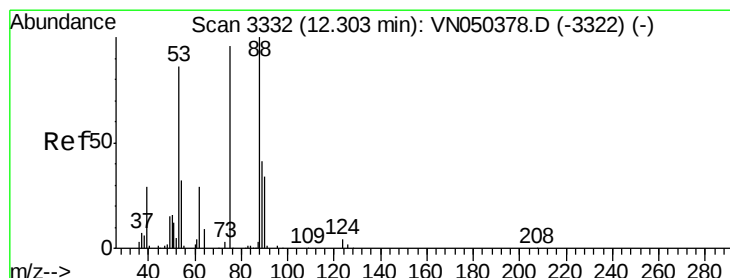
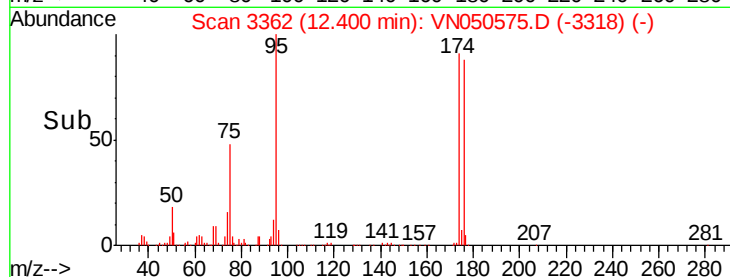
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.66 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN050575.D

Acq: 13 Aug 2018 18:01

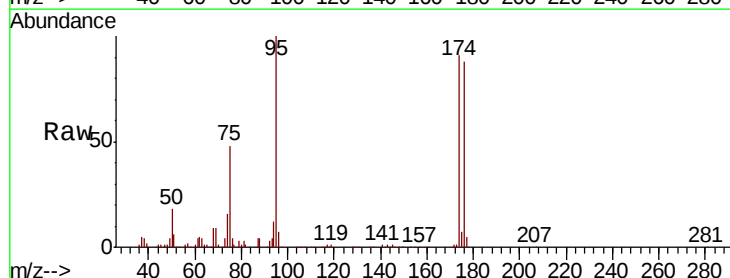
Tgt Ion: 75 Resp: 181057

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

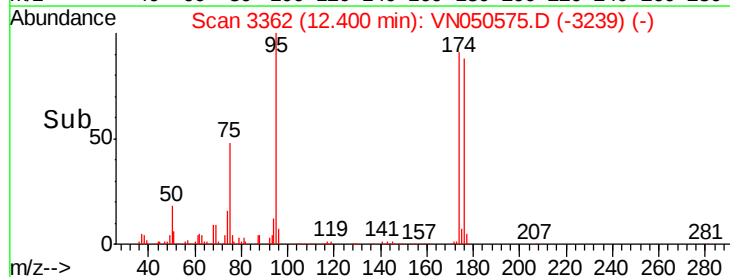
100000

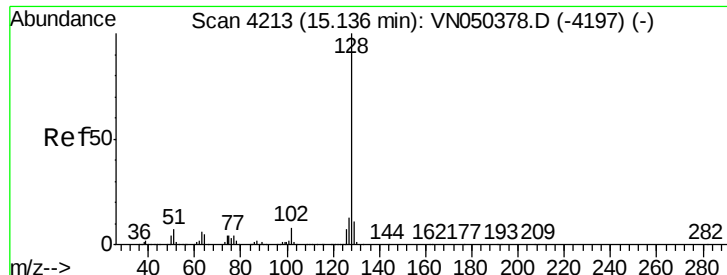
50000

0

12.35 12.40 12.45

Time-->





#95

Naphthalene

Concen: 3.63 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050575.D

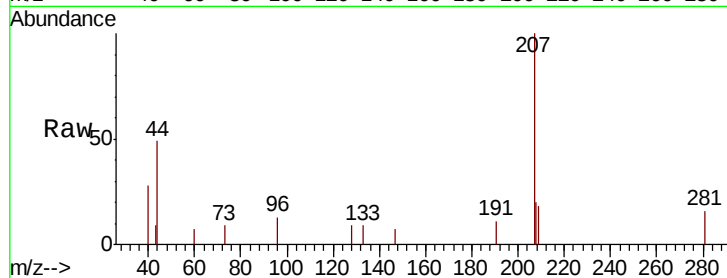
Acq: 13 Aug 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#08



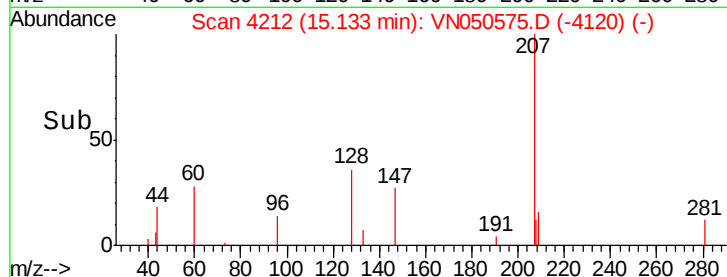
Tot Ion:128 Resp: 186

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

