

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050572.D
 Acq On : 13 Aug 2018 16:47
 Operator : MD\SY
 Sample : PB111961ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#05

Quant Time: Aug 14 01:01:14 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	628851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1039013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	885729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	318333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	432102	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	403398	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.09	98	1415623	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
62) 4-Bromofluorobenzene	12.40	95	392109	36.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.40%	

Target Compounds

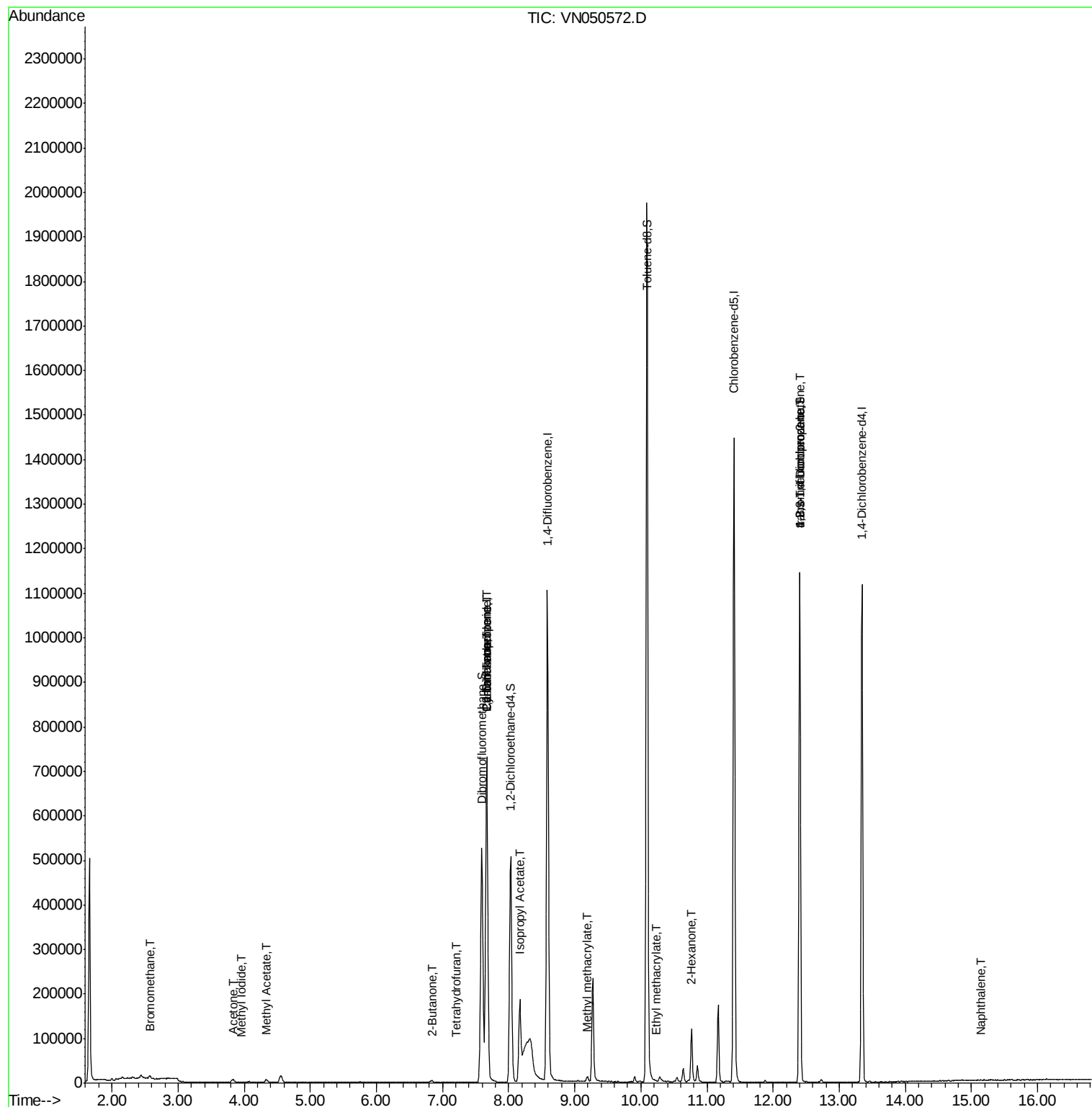
						Qvalue
3) Chloromethane	2.06	50	2800	Below Cal		99
5) Bromomethane	2.57	94	3697	1.01 ug/l		86
10) Methyl Iodide	3.96	142	1138	0.36 ug/l #		59
16) Acetone	3.83	43	13920	5.20 ug/l		95
18) Methyl Acetate	4.33	43	12370	1.71 ug/l #		66
25) 2-Butanone	6.85	43	1886	0.45 ug/l		91
29) Tetrahydrofuran	7.22	42	448	0.20 ug/l #		51
31) Cyclohexane	7.67	56	11376	0.32 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	43292	3.79 ug/l #		48
38) Carbon Tetrachloride	7.67	117	57653	4.84 ug/l #		17
43) Isopropyl Acetate	8.17	43	237017	16.70 ug/l		97
48) Methyl methacrylate	9.18	41	6137	0.86 ug/l #		18
56) Ethyl methacrylate	10.23	69	2123	1.89 ug/l #		81
59) 2-Hexanone	10.77	43	16783	2.35 ug/l #		60
76) 1,2,3-Trichloropropane	12.40	75	187242	32.50 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	187242	114.17 ug/l #		13
95) Naphthalene	15.14	128	317	3.64 ug/l #		69

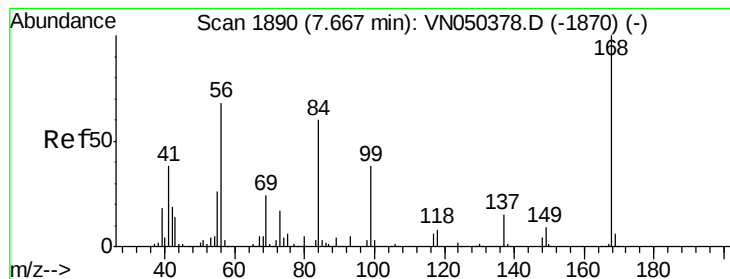
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

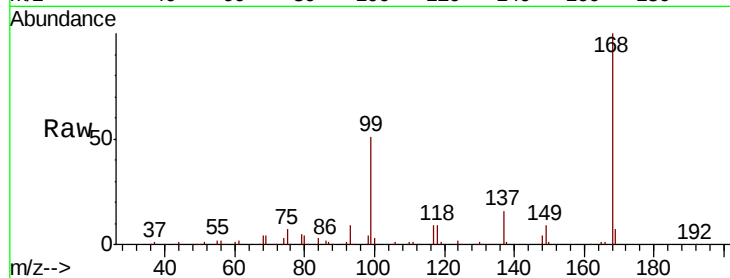
PB111961ZHE#05

Tot Ion:168 Resp: 628851

Ion Ratio Lower Upper

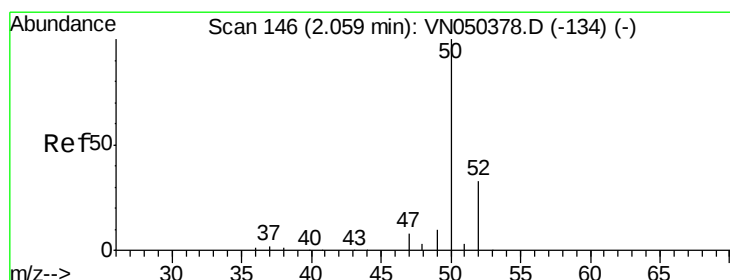
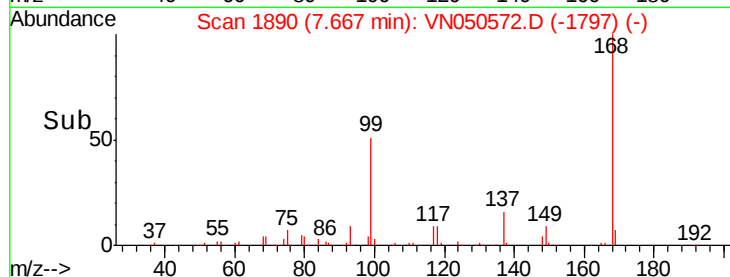
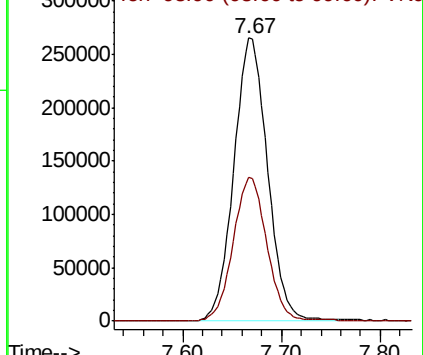
168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050572.D

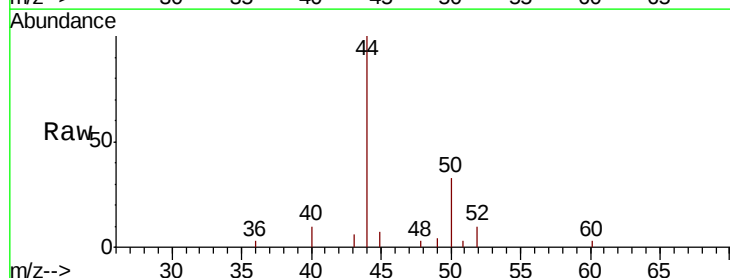
Acq: 13 Aug 2018 16:47

Tgt Ion: 50 Resp: 2800

Ion Ratio Lower Upper

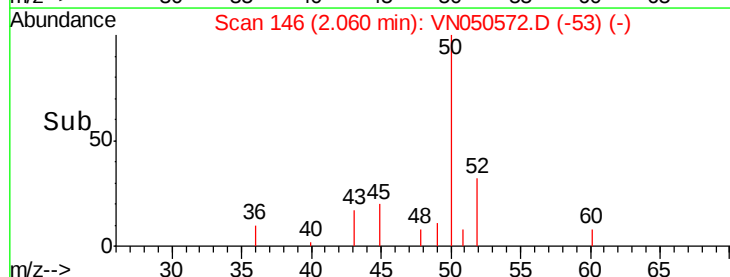
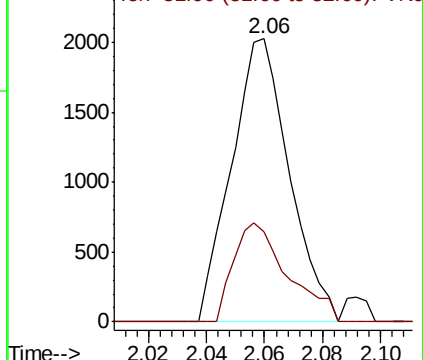
50 100

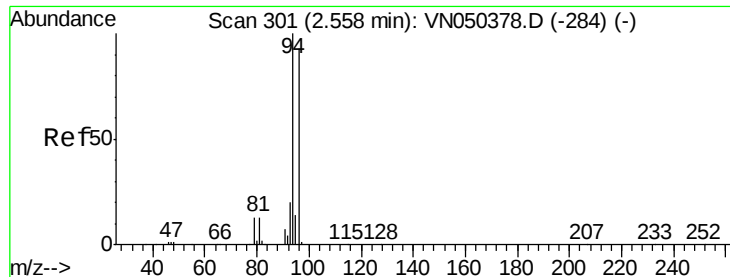
52 31.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 1.01 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

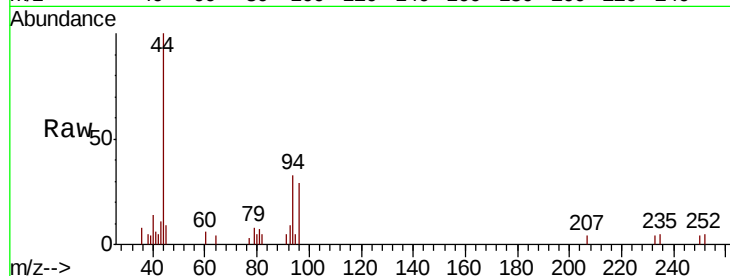
PB111961ZHE#05

Tot Ion: 94 Resp: 3697

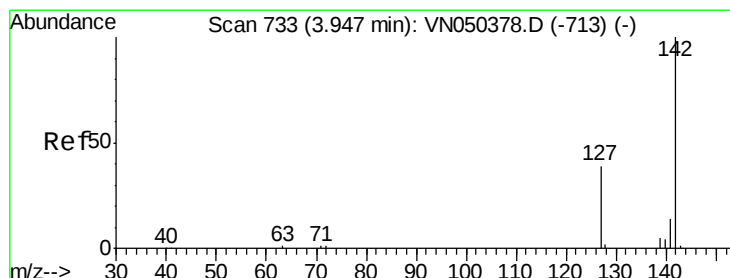
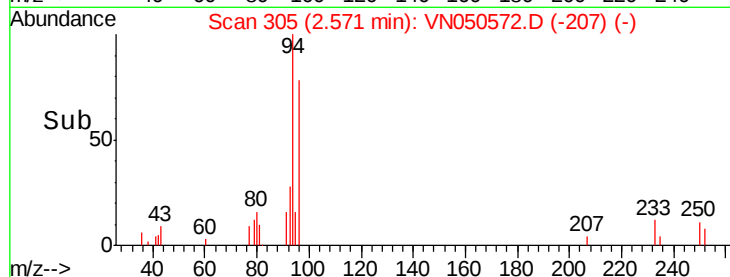
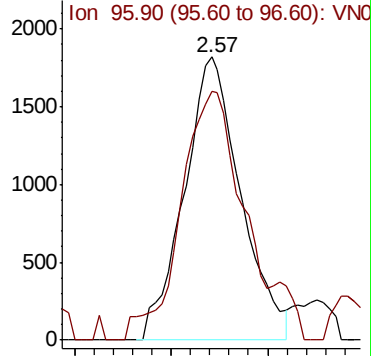
Ion Ratio Lower Upper

94 100

96 79.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050572.D (-207) (-)



#10

Methyl Iodide

Concen: 0.36 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

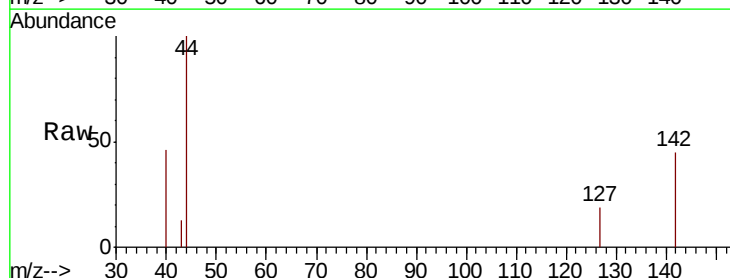
Tgt Ion: 142 Resp: 1138

Ion Ratio Lower Upper

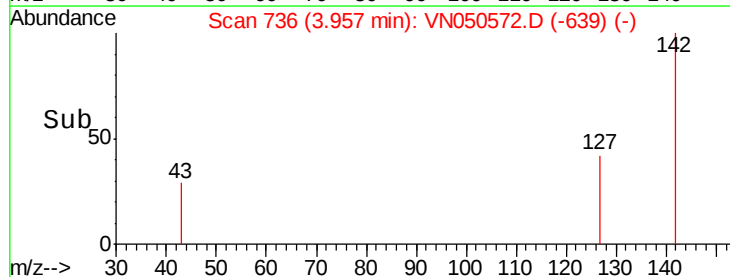
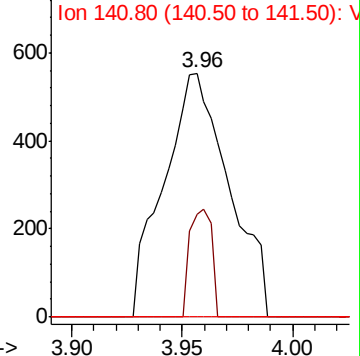
142 100

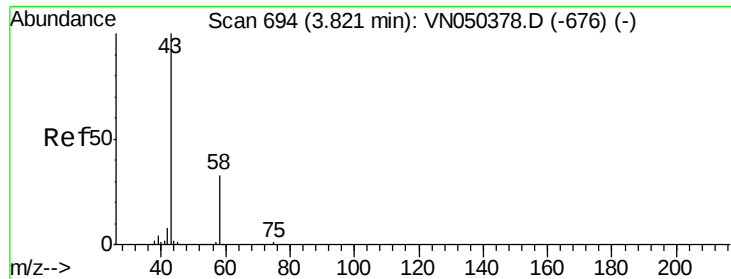
127 15.0 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050572.D (-639) (-)





#16

Acetone

Concen: 5.20 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

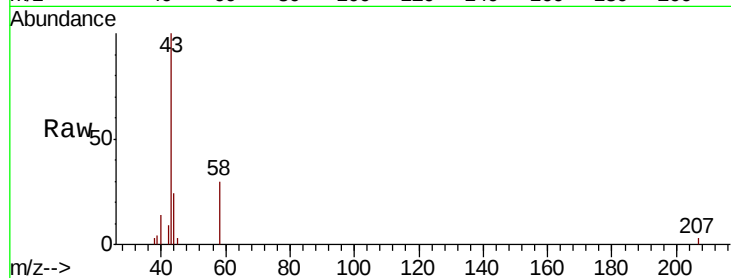
PB111961ZHE#05

Tot Ion: 43 Resp: 13920

Ion Ratio Lower Upper

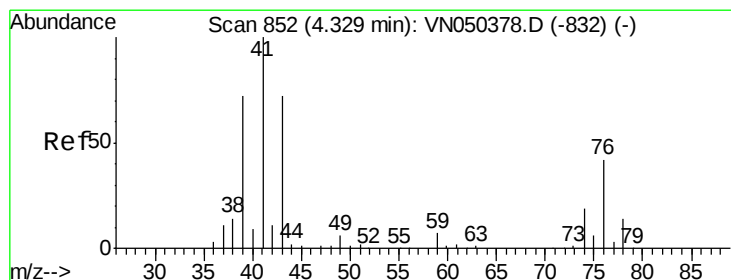
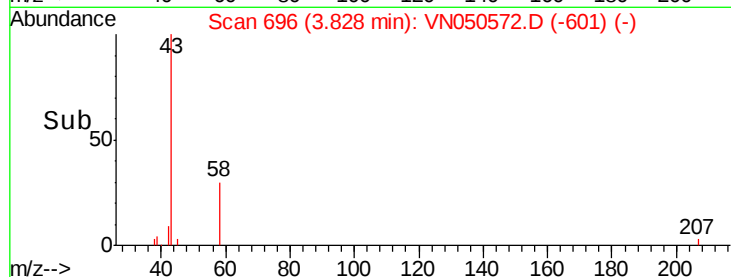
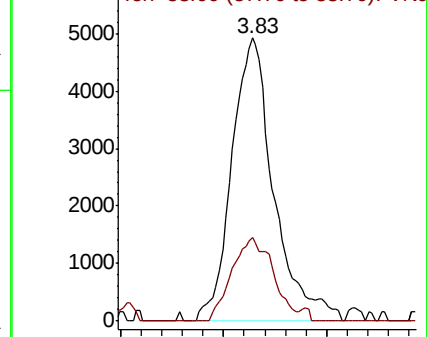
43 100

58 29.6 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: 1.71 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050572.D

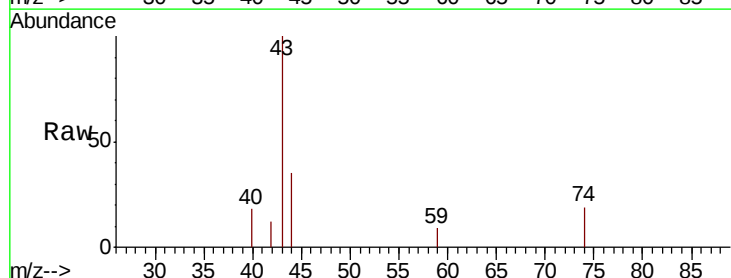
Acq: 13 Aug 2018 16:47

Tgt Ion: 43 Resp: 12370

Ion Ratio Lower Upper

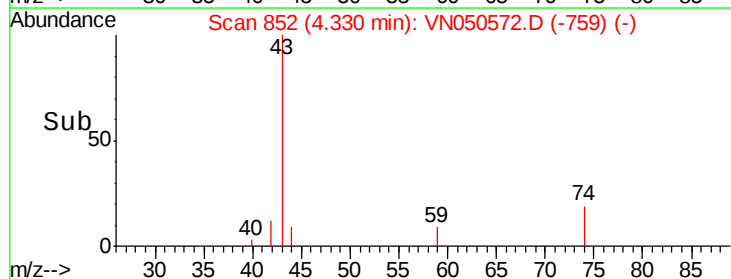
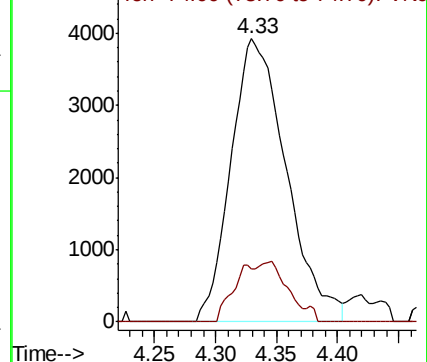
43 100

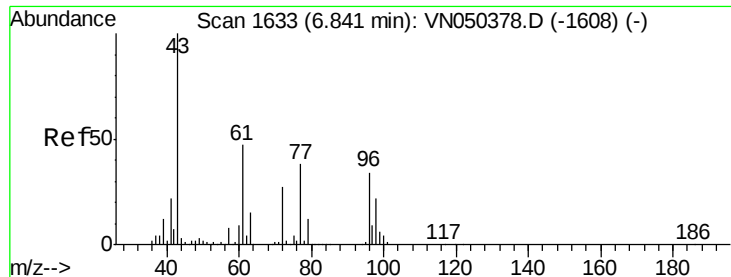
74 7.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 0.45 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

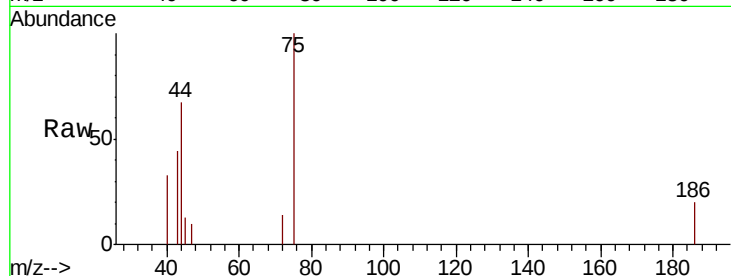
PB111961ZHE#05

Tot Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

72 31.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

800

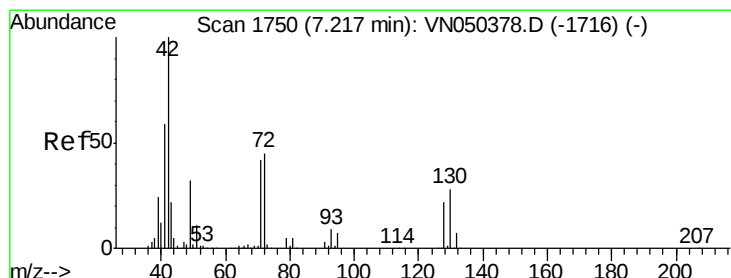
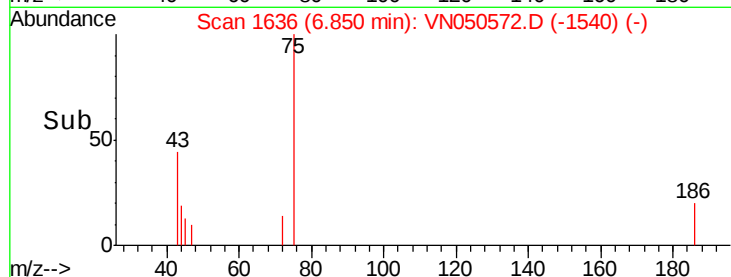
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.20 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

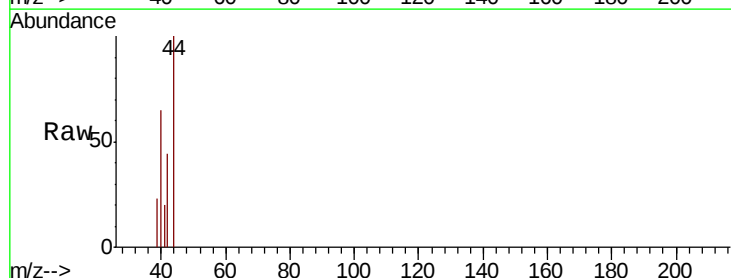
Tgt Ion: 42 Resp: 448

Ion Ratio Lower Upper

42 100

72 23.2 35.9 53.9#

71 0.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.22

500

400

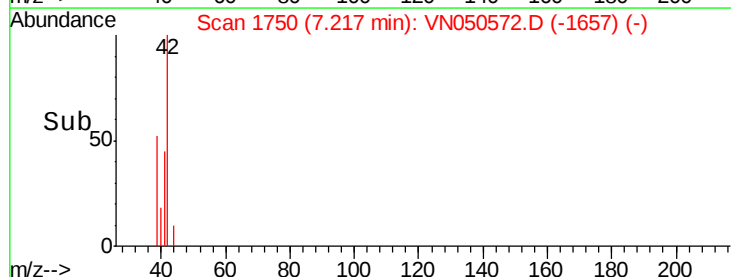
300

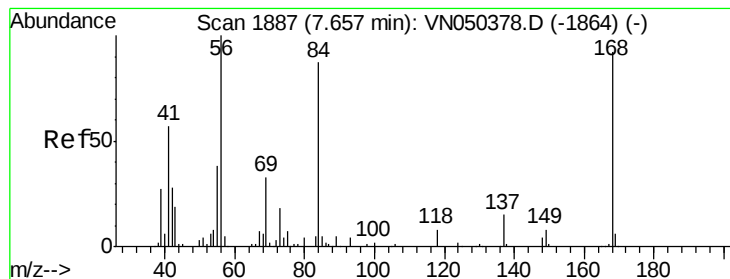
200

100

0

Time-->





#31

Cyclohexane

Concen: 0.32 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#05

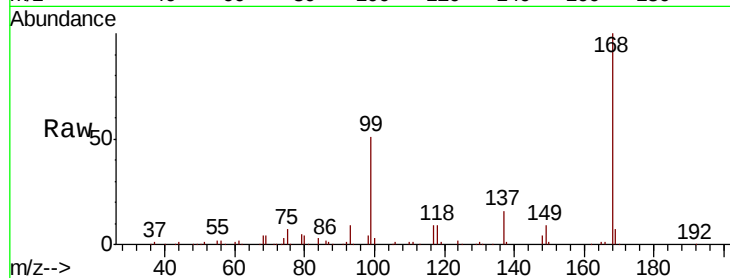
Tot Ion: 56 Resp: 11376

Ion Ratio Lower Upper

56 100

69 210.4 26.2 39.4#

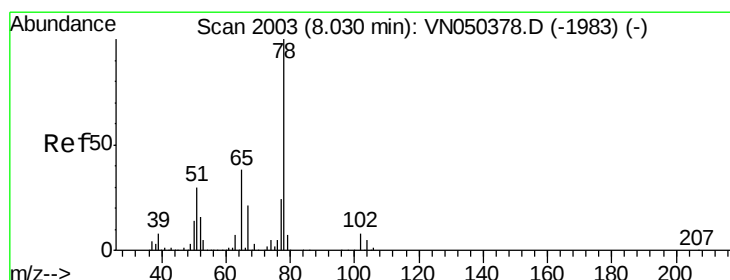
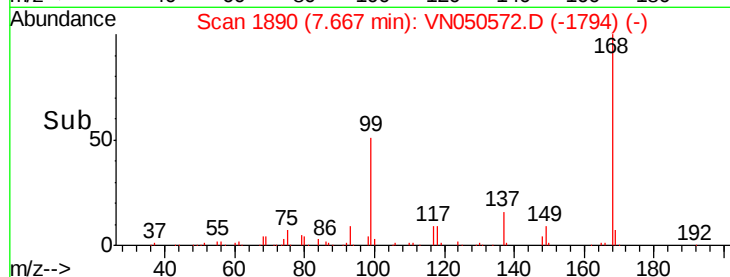
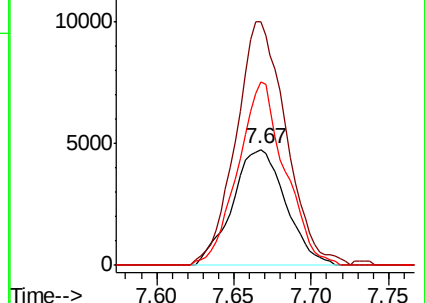
84 159.1 67.4 101.0#



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: 51.43 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050572.D

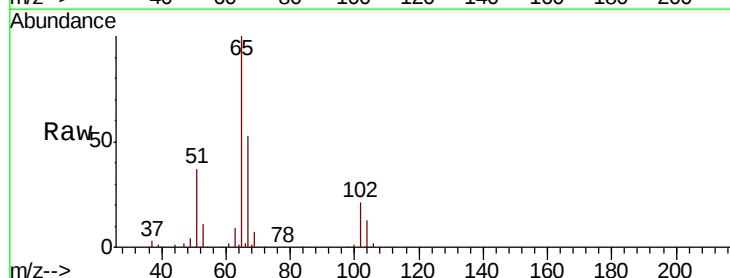
Acq: 13 Aug 2018 16:47

Tgt Ion: 65 Resp: 432102

Ion Ratio Lower Upper

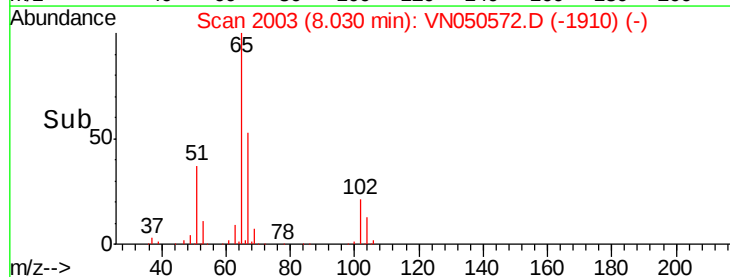
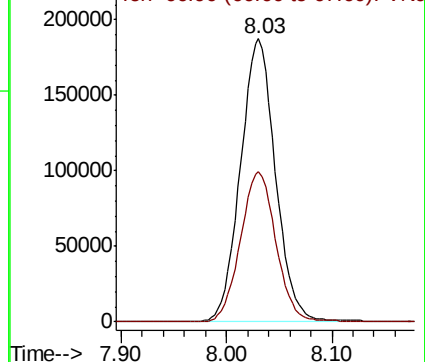
65 100

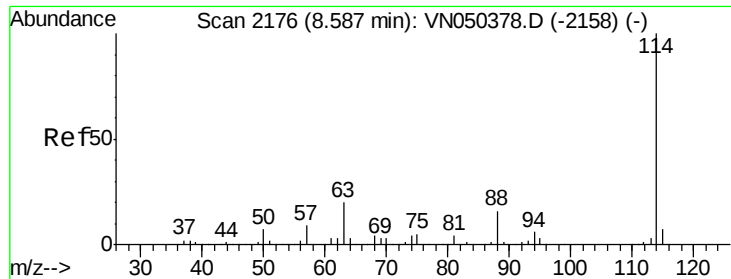
67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

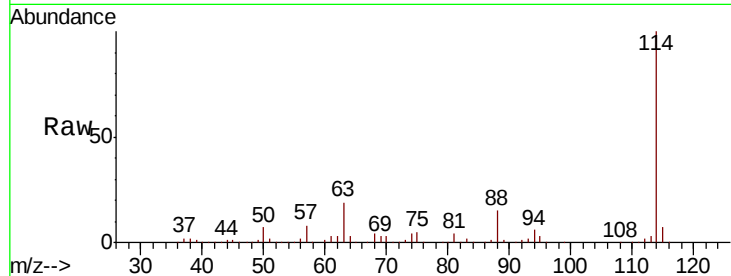




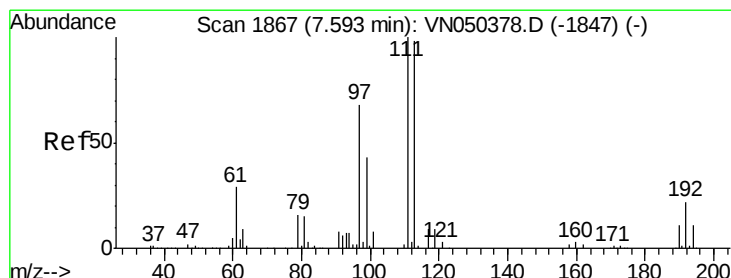
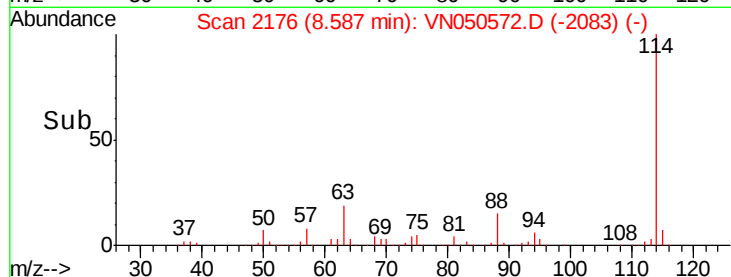
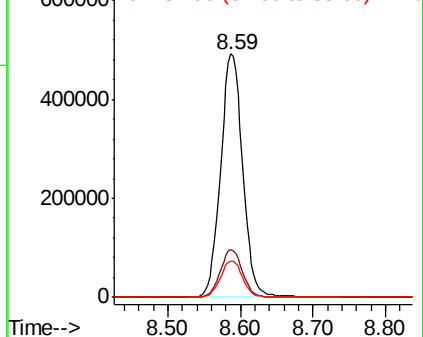
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050572.D
 Acq: 13 Aug 2018 16:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#05

Tot Ion:114 Resp: 1039013
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.0 0.0 31.2

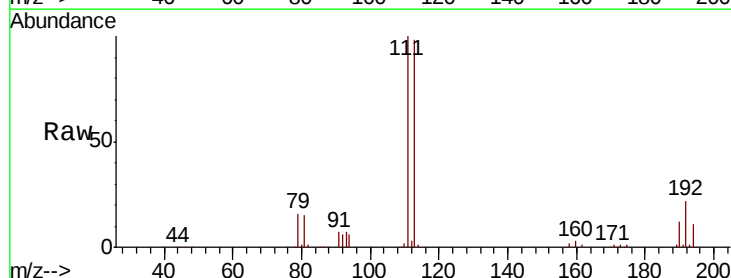


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

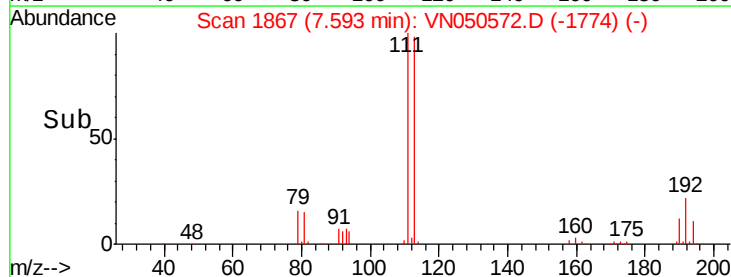
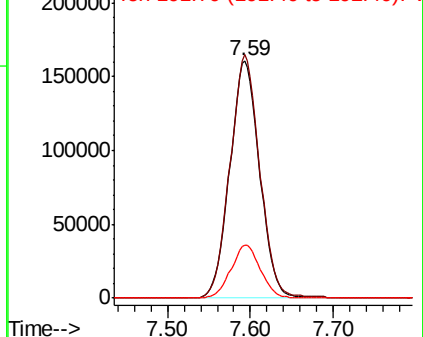


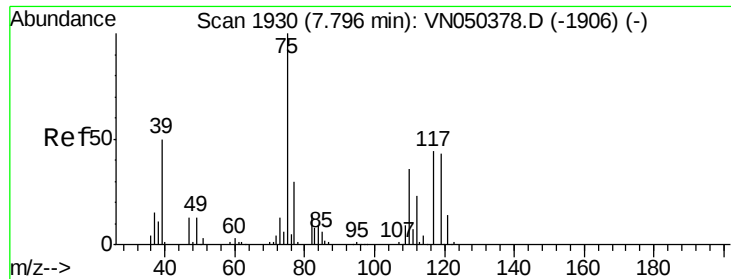
#35
 Dibromofluoromethane
 Concen: 48.39 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050572.D
 Acq: 13 Aug 2018 16:47

Tgt Ion:113 Resp: 403398
 Ion Ratio Lower Upper
 113 100
 111 101.7 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

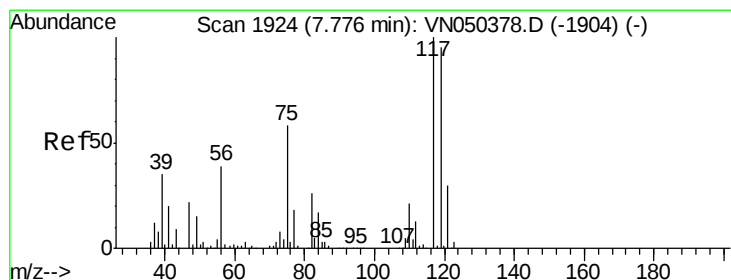
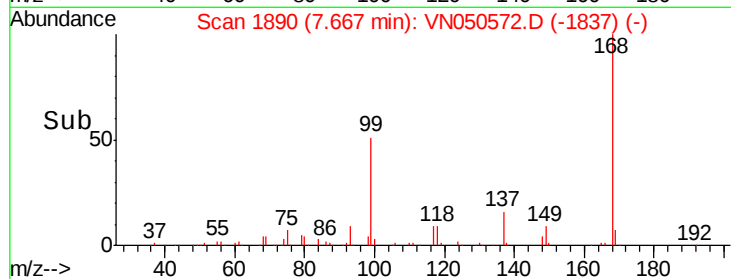
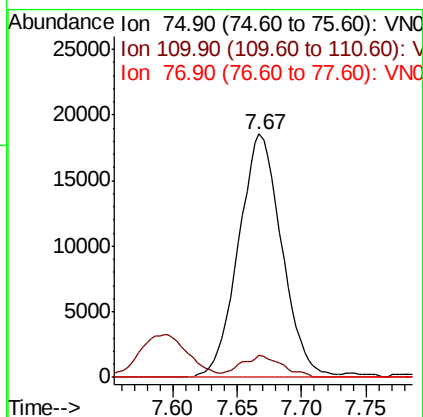
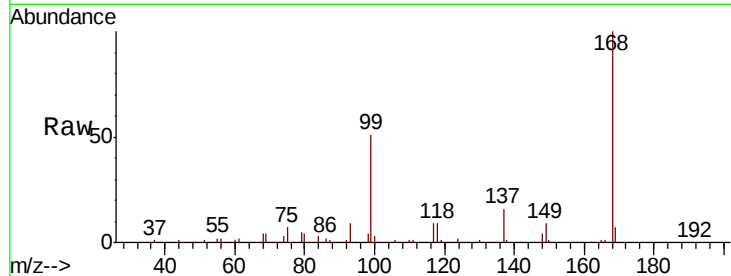




#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050572.D
 Acq: 13 Aug 2018 16:47

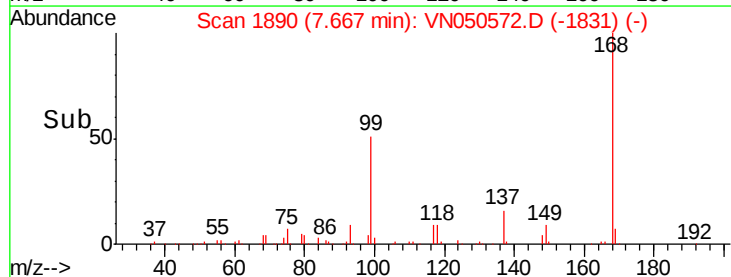
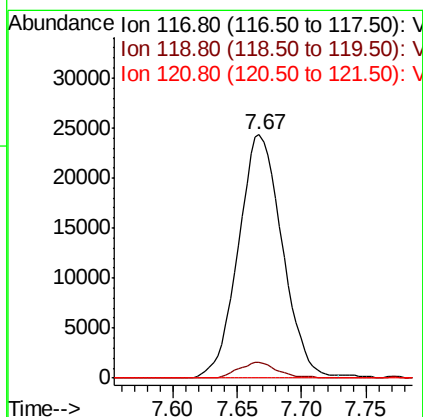
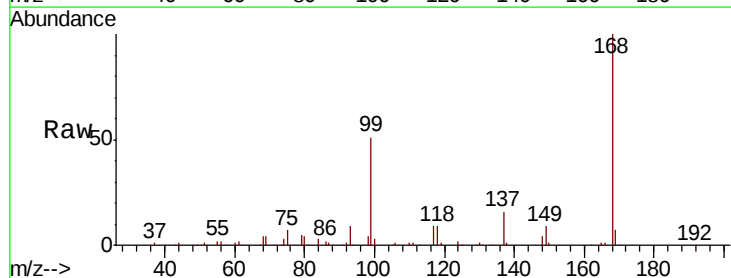
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#05

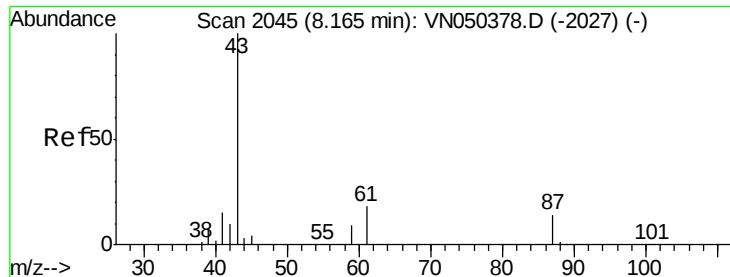
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.84 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050572.D
 Acq: 13 Aug 2018 16:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 16.70 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#05

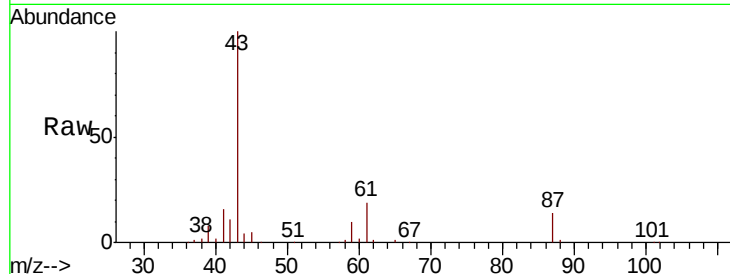
Tot Ion: 43 Resp: 237017

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.6

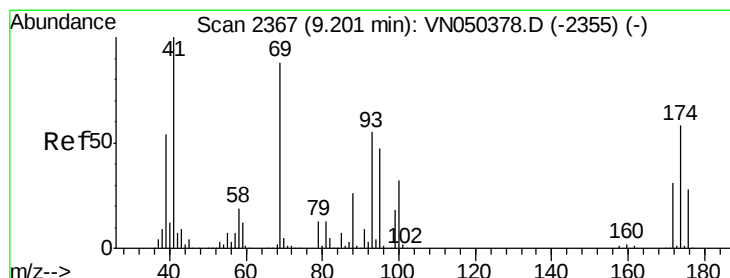
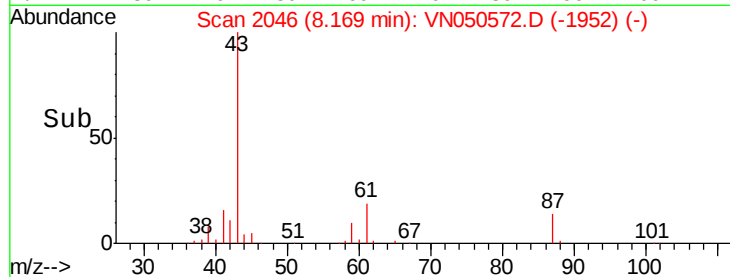
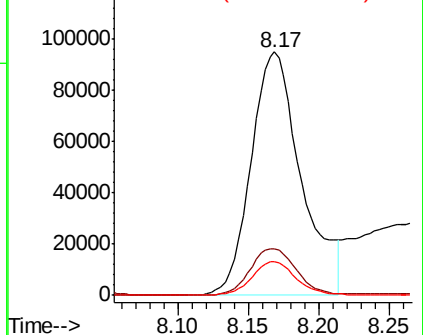
87 12.1 10.3 15.5



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: 0.86 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

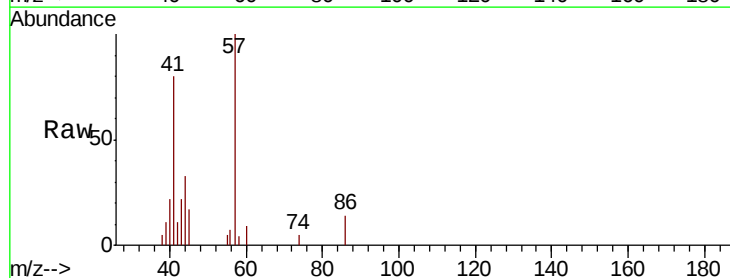
Tgt Ion: 41 Resp: 6137

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

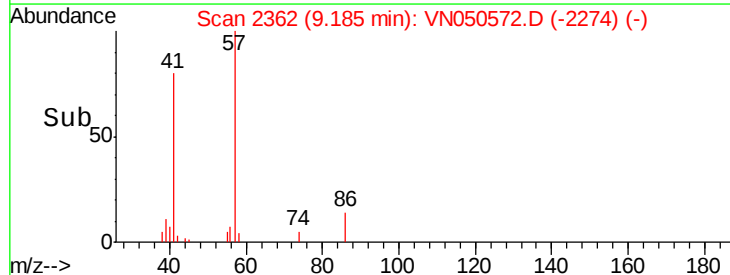
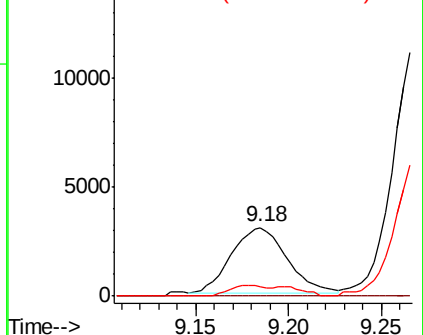
39 10.6 43.9 65.9#

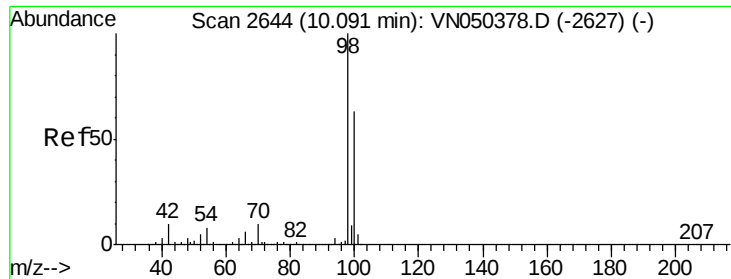


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

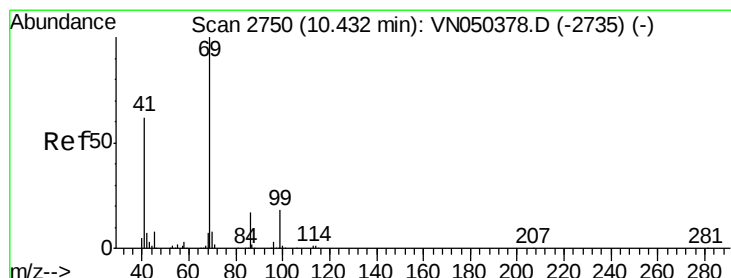
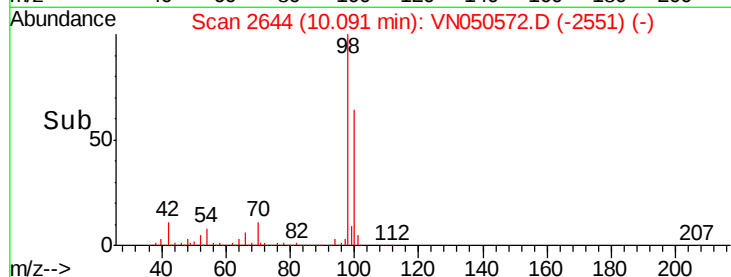
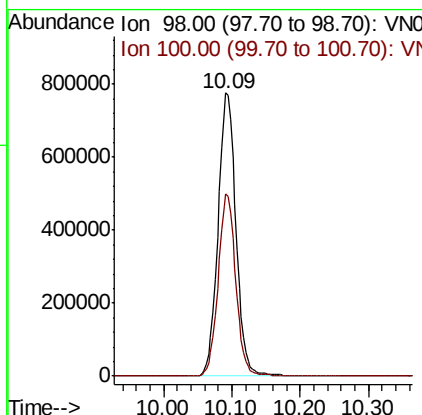
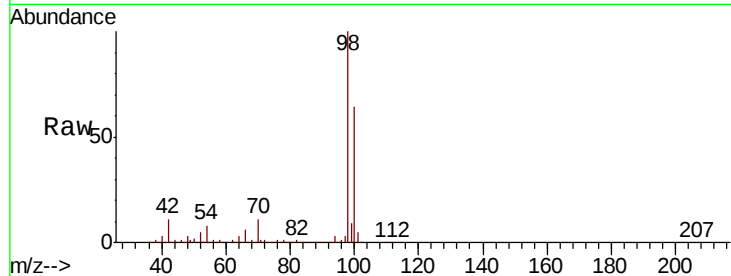




#50
Toluene-d8
Concen: 45.16 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050572.D
Acq: 13 Aug 2018 16:47

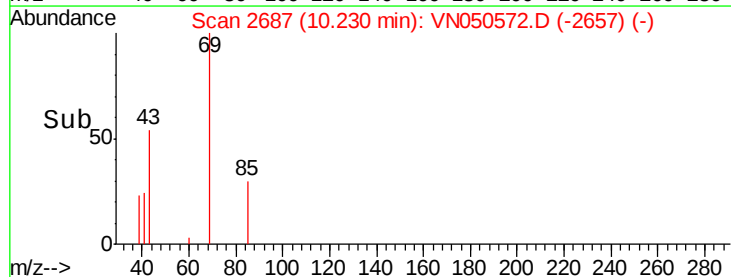
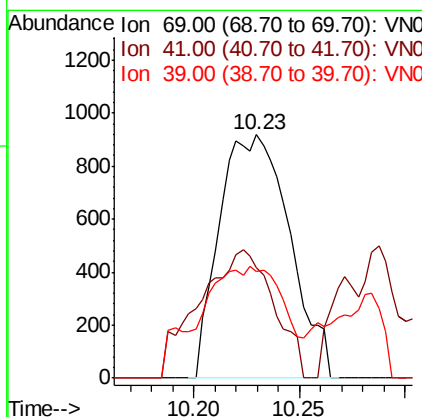
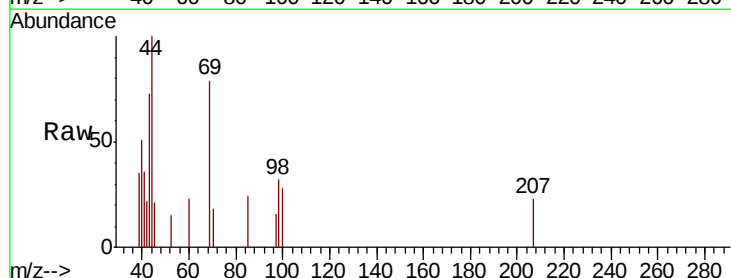
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#05

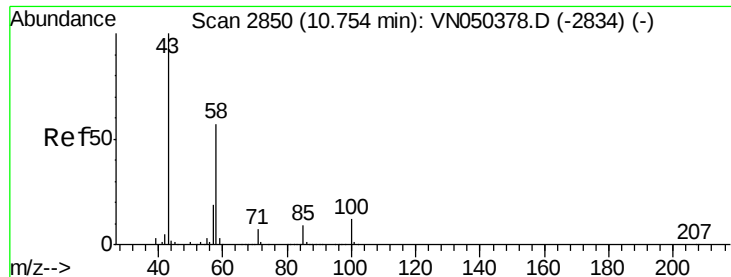
Tot Ion: 98 Resp: 1415623
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.89 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050572.D
Acq: 13 Aug 2018 16:47

Tgt Ion: 69 Resp: 2123
Ion Ratio Lower Upper
69 100
41 55.9 51.0 76.4
39 12.6 26.6 40.0#





#59

2-Hexanone

Concen: 2.35 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

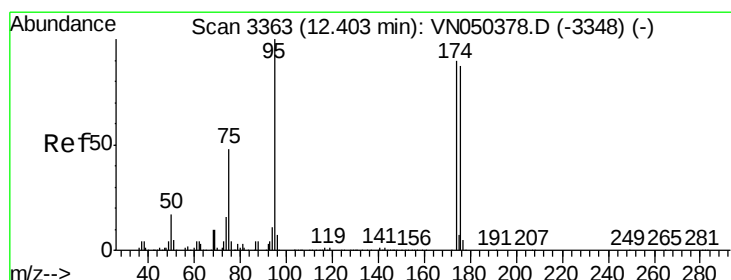
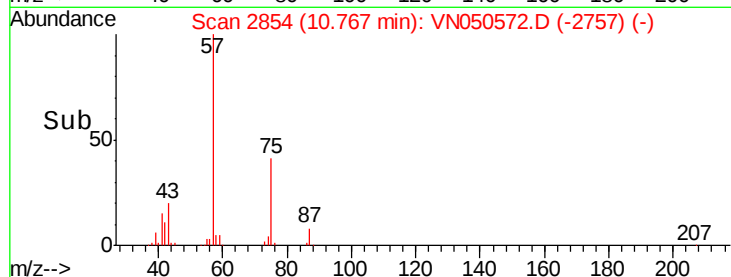
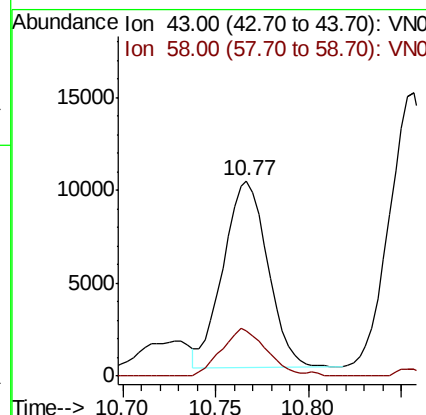
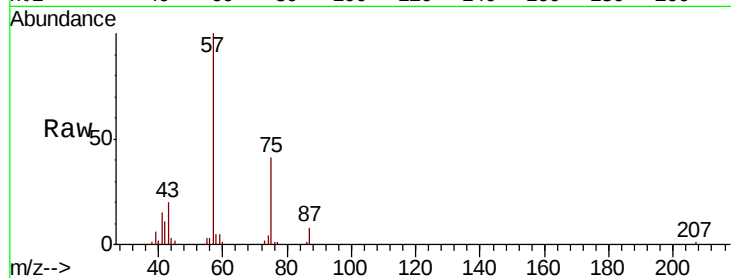
PB111961ZHE#05

Tot Ion: 43 Resp: 16783

Ion Ratio Lower Upper

43 100

58 26.1 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 36.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

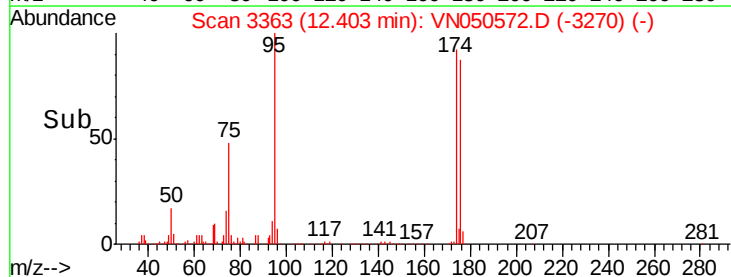
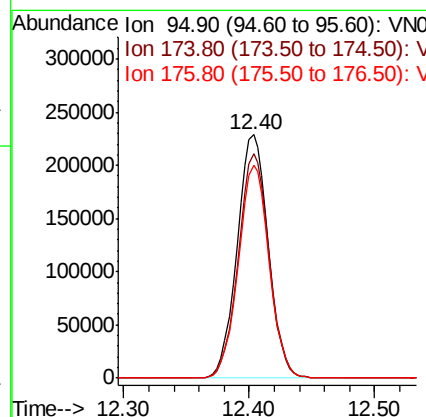
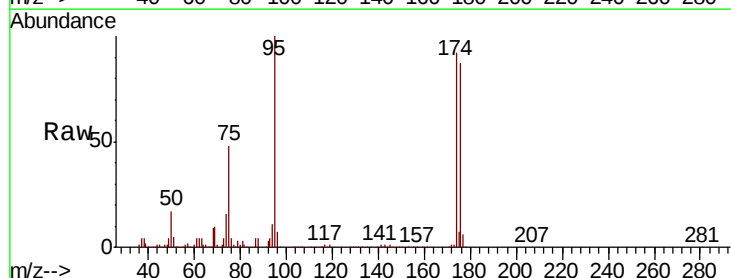
Tgt Ion: 95 Resp: 392109

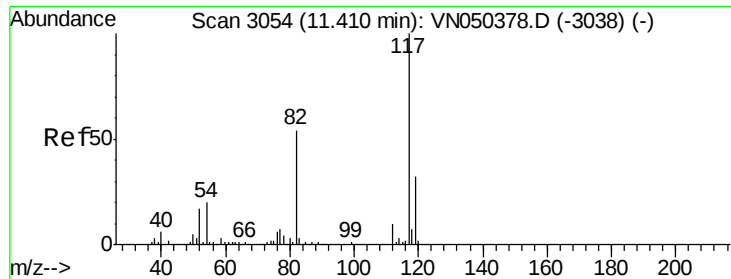
Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.2

176 86.8 0.0 173.4

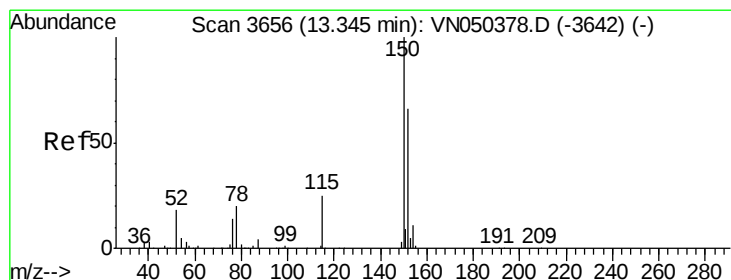
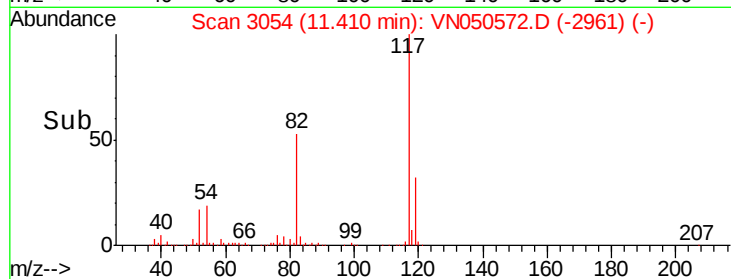
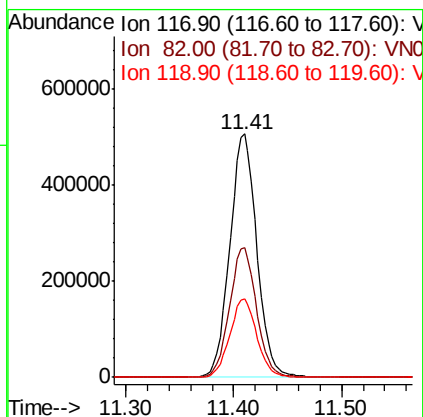
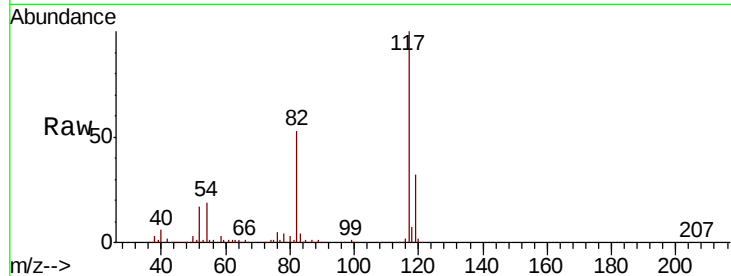




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050572.D
 Acq: 13 Aug 2018 16:47

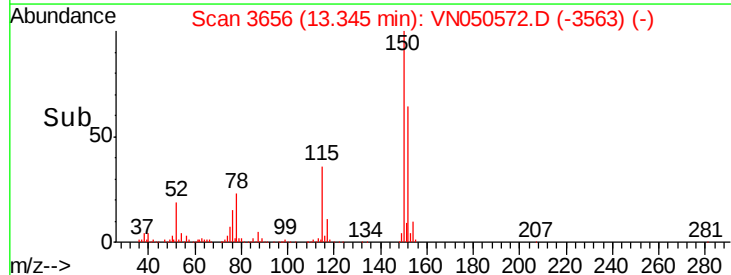
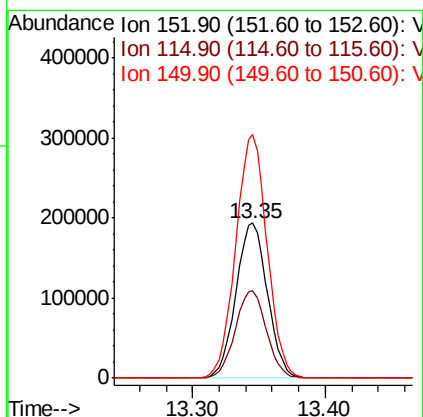
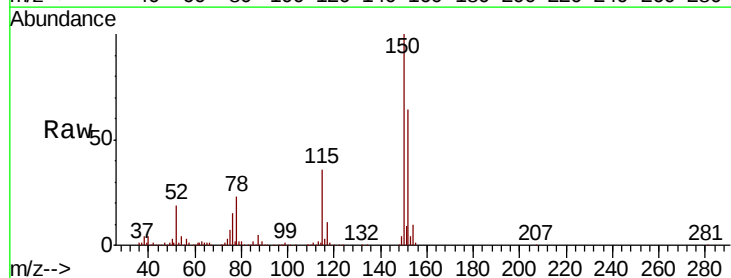
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#05

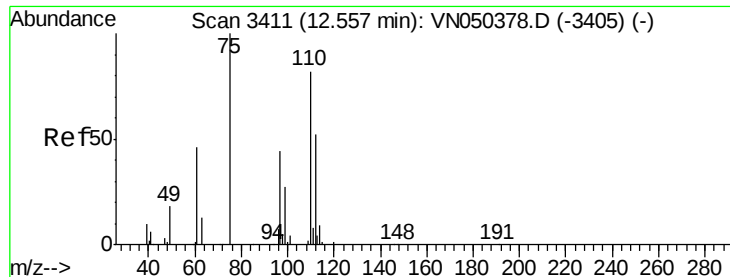
Tot Ion:117 Resp: 885729
 Ion Ratio Lower Upper
 117 100
 82 53.3 43.7 65.5
 119 32.1 26.1 39.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050572.D
 Acq: 13 Aug 2018 16:47

Tgt Ion:152 Resp: 318333
 Ion Ratio Lower Upper
 152 100
 115 56.2 27.8 83.3
 150 156.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 32.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

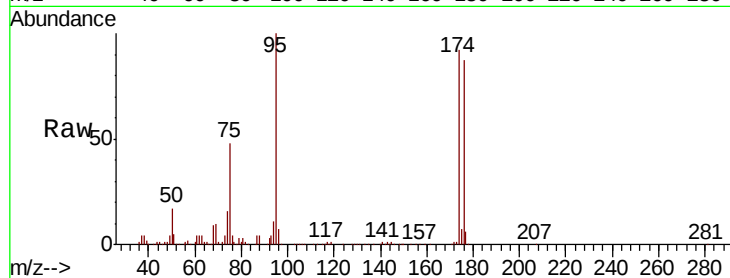
PB111961ZHE#05

Tot Ion: 75 Resp: 187242

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

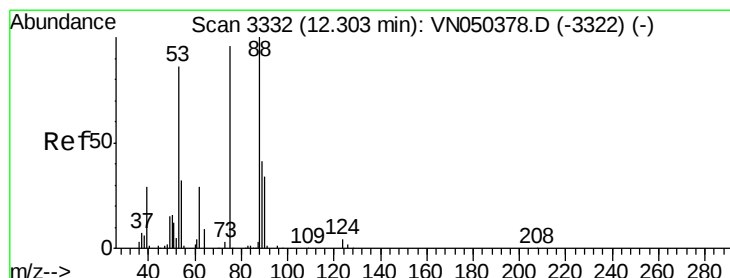
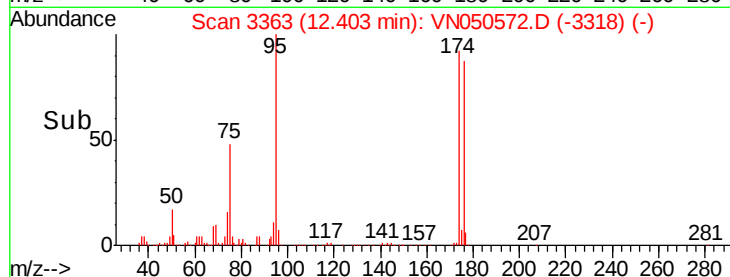
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 114.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050572.D

Acq: 13 Aug 2018 16:47

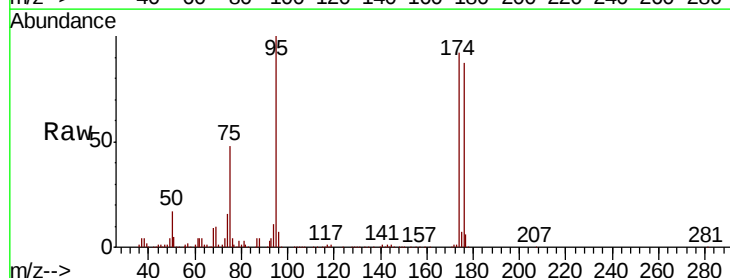
Tgt Ion: 75 Resp: 187242

Ion Ratio Lower Upper

75 100

53 0.3 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

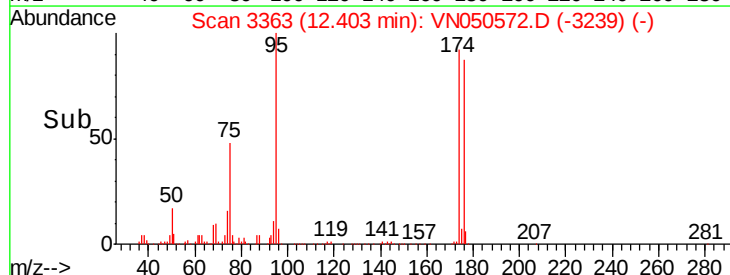
150000

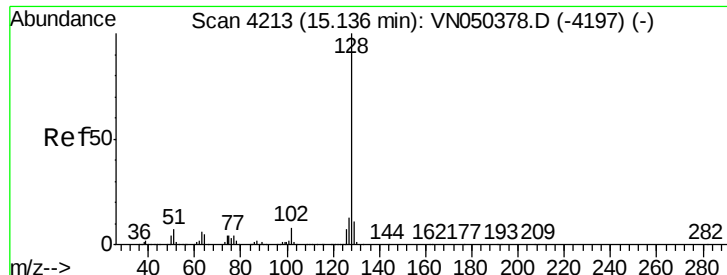
100000

50000

0

Time-->





#95

Naphthalene

Concen: 3.64 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050572.D

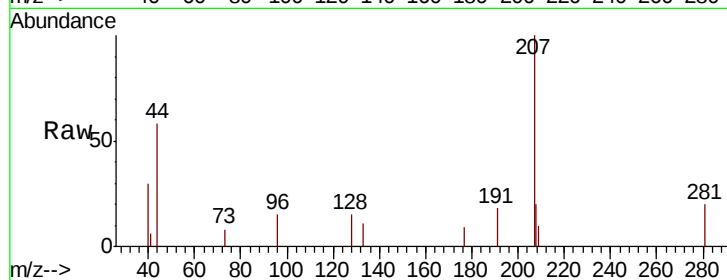
Acq: 13 Aug 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#05



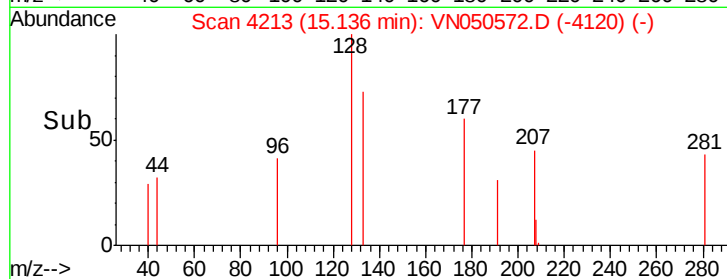
Tot Ion:128 Resp: 317

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

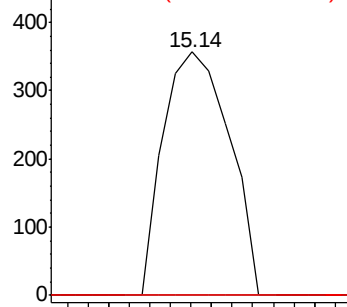
129 0.0 8.8 13.2#



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



Time-->