

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050466.D
 Acq On : 8 Aug 2018 18:08
 Operator : MD\SY
 Sample : J4380-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Aug 09 00:58:21 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	843665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1305962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1114030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	458964	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	528498	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
35) Dibromofluoromethane	7.59	113	491515	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	10.09	98	1773575	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.40	95	531009	39.54	ug/l	0.00
Spiked Amount			Recovery	=	79.08%	

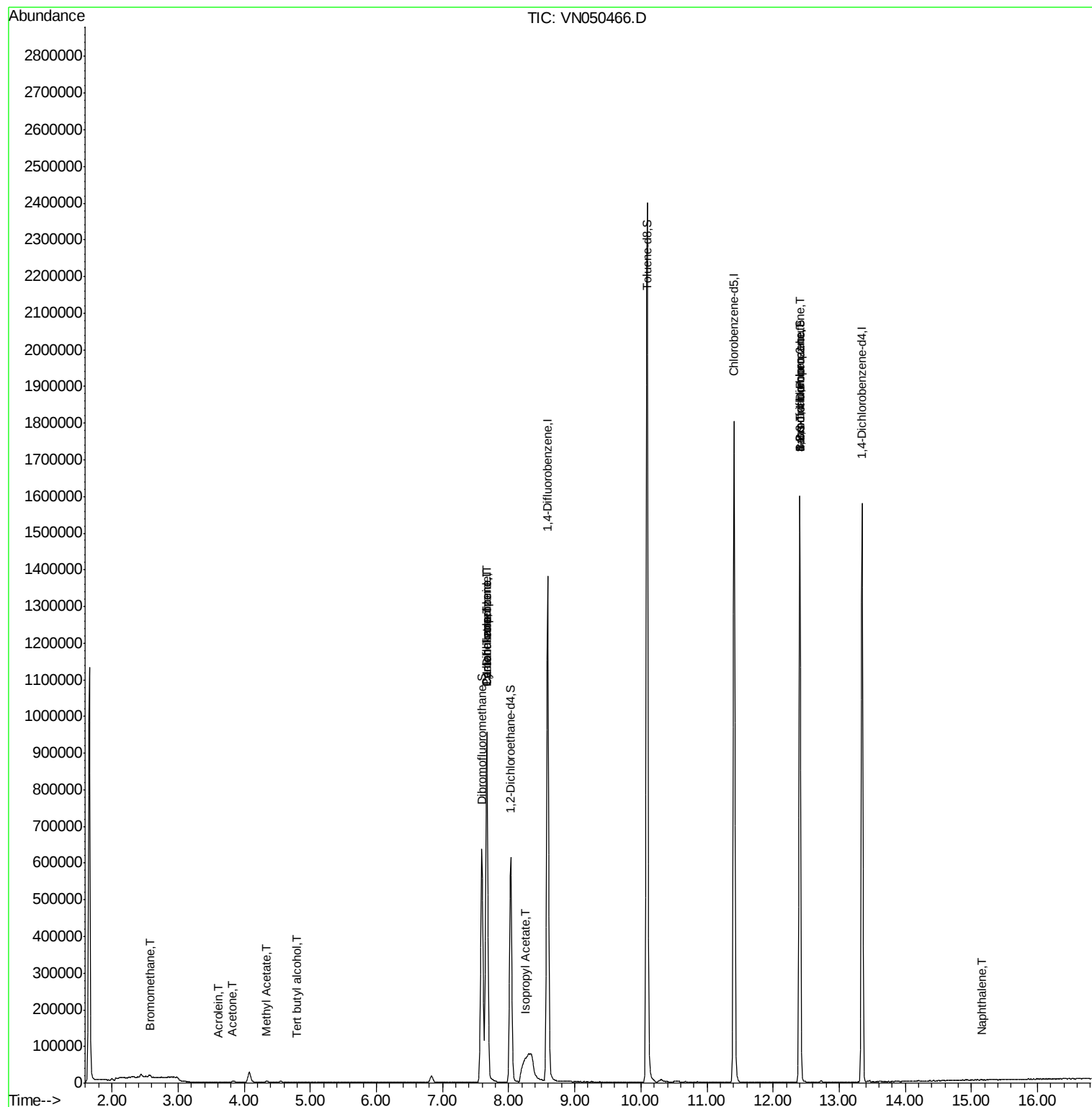
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3667	Below Cal		94
5) Bromomethane	2.57	94	4489	0.93 ug/l		95
11) Tert butyl alcohol	4.81	59	195	0.22 ug/l #		72
13) Acrolein	3.59	56	69	15.08 ug/l #		15
16) Acetone	3.83	43	6687	1.63 ug/l		99
18) Methyl Acetate	4.33	43	8088	0.74 ug/l		93
20) Methylene Chloride	4.56	84	2121	Below Cal		88
31) Cyclohexane	7.67	56	14755	0.29 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	54973	3.83 ug/l #		49
38) Carbon Tetrachloride	7.67	117	74163	4.95 ug/l #		16
43) Isopropyl Acetate	8.25	43	87920	4.93 ug/l #		61
71) Bromoform	12.40	173	3850	0.52 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	255735	30.78 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	255735	108.16 ug/l #		13
95) Naphthalene	15.14	128	497	3.64 ug/l #		69

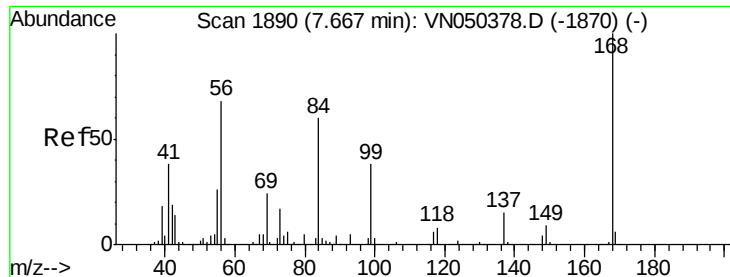
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1891

Delta R.T. 0.00 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

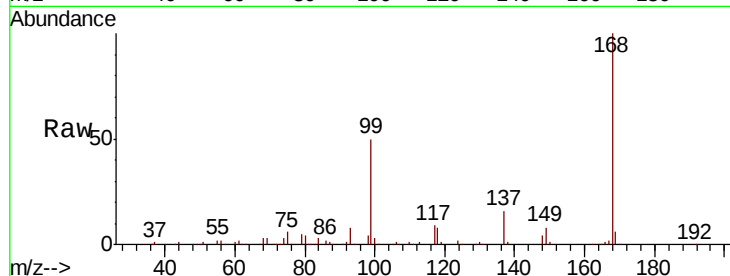
TRIP-BLANK

Tot Ion:168 Resp: 843665

Ion Ratio Lower Upper

168 100

99 50.1 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

400000

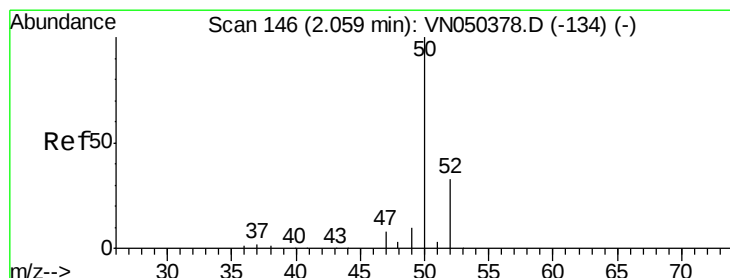
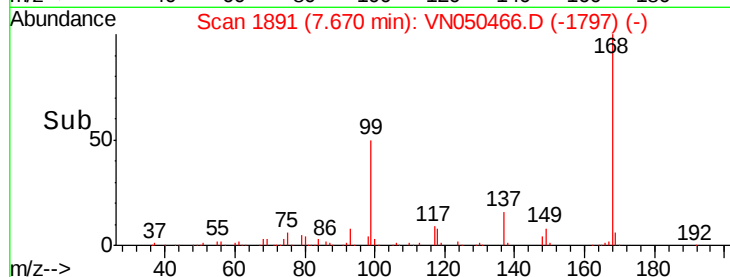
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050466.D

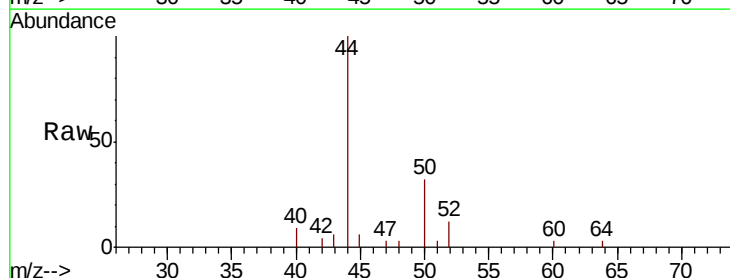
Acq: 8 Aug 2018 18:08

Tgt Ion: 50 Resp: 3667

Ion Ratio Lower Upper

50 100

52 35.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

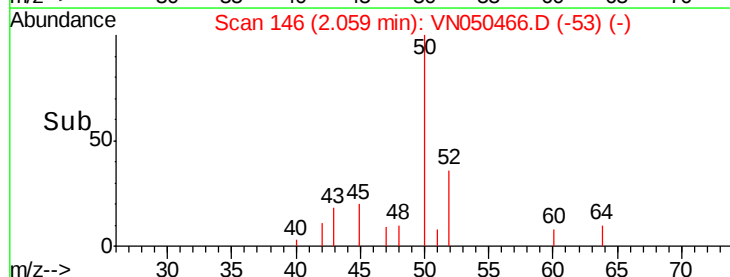
1500

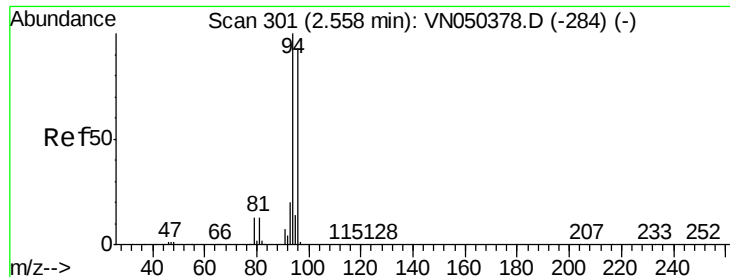
1000

500

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: 0.93 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

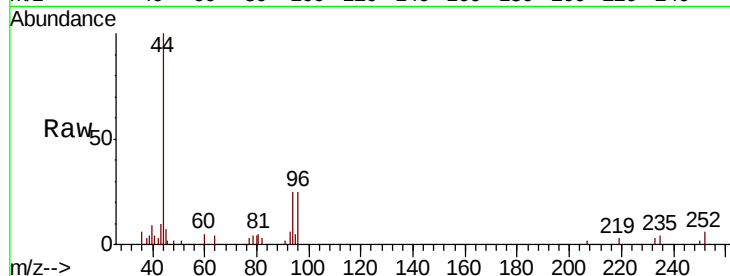
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Tot Ion: 94 Resp: 4489

Ion Ratio Lower Upper

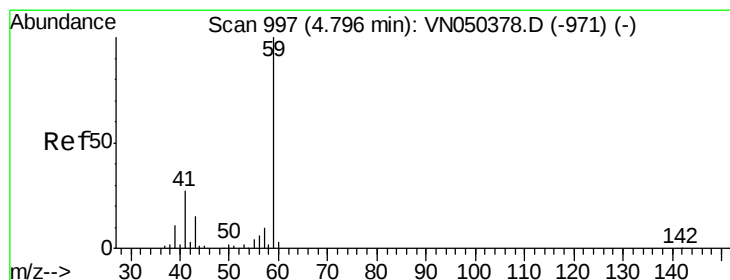
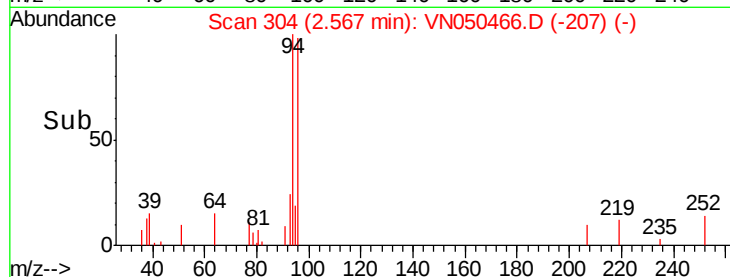
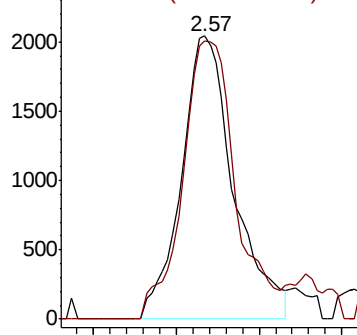
94 100

96 98.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 4.81 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN050466.D

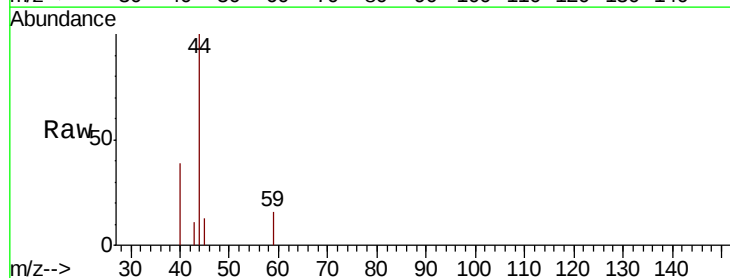
Acq: 8 Aug 2018 18:08

Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

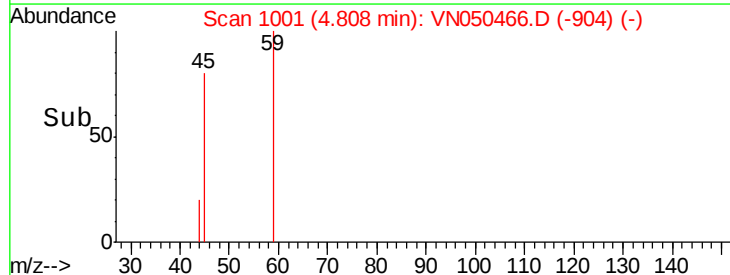
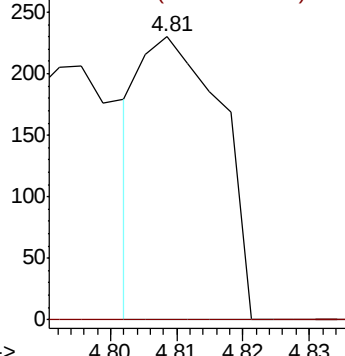
59 100

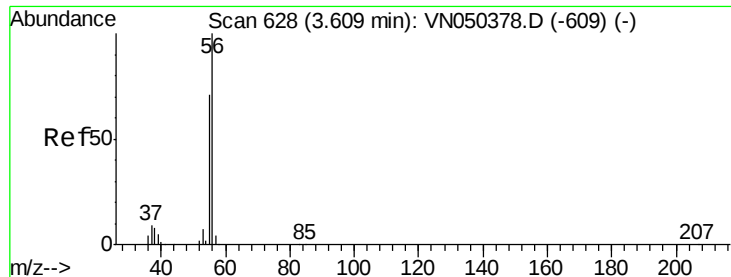
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 15.08 ug/l

RT: 3.59 min Scan# 623

Delta R.T. -0.02 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

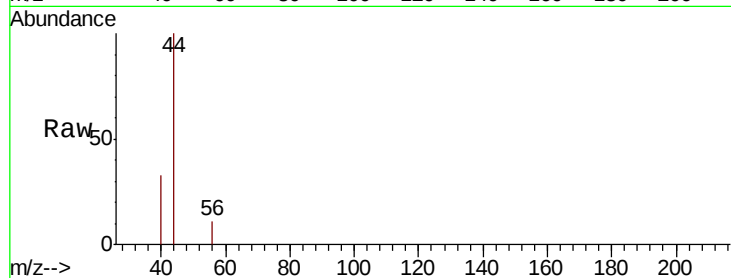
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Tot Ion: 56 Resp: 69

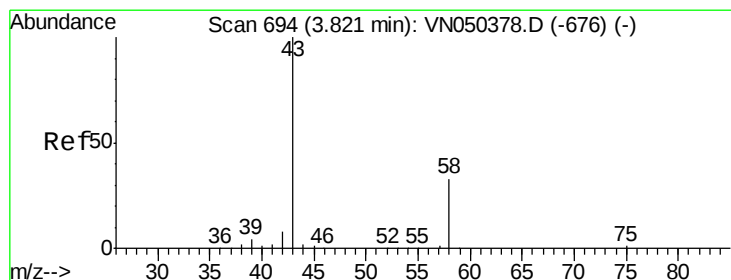
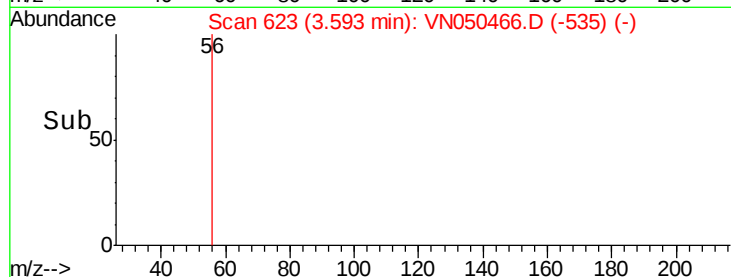
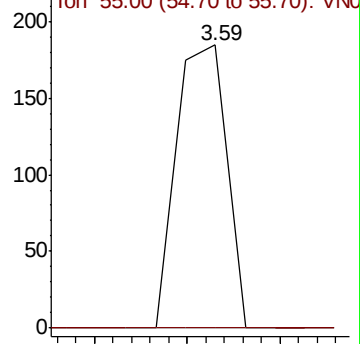
Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0



#16

Acetone

Concen: 1.63 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050466.D

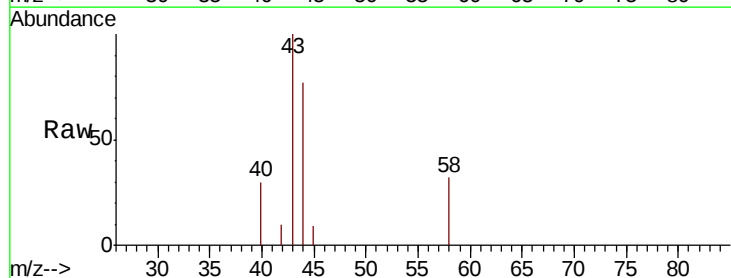
Acq: 8 Aug 2018 18:08

Tgt Ion: 43 Resp: 6687

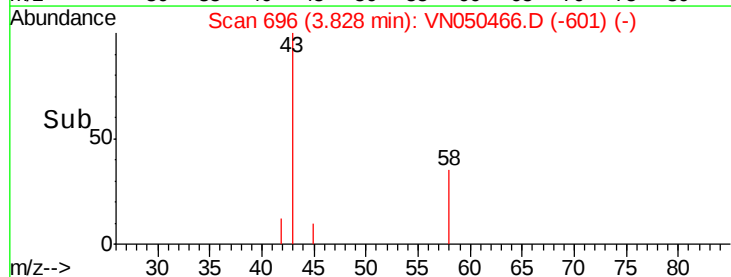
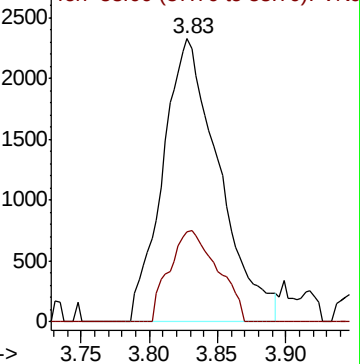
Ion Ratio Lower Upper

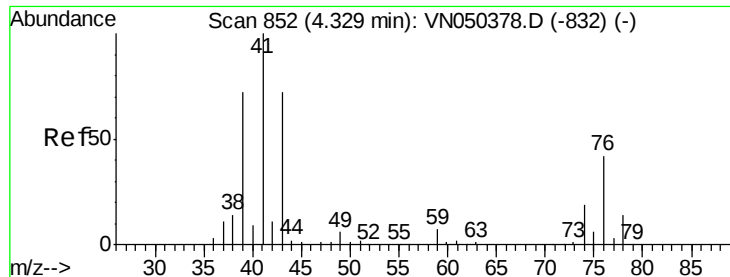
43 100

58 31.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

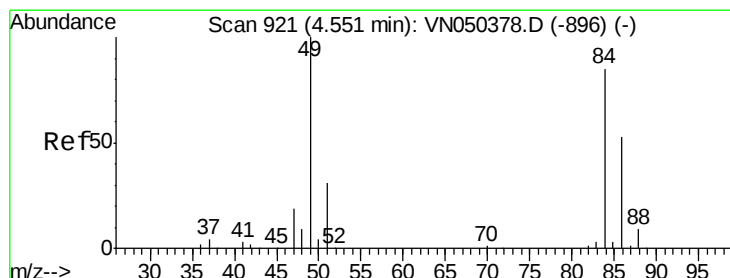
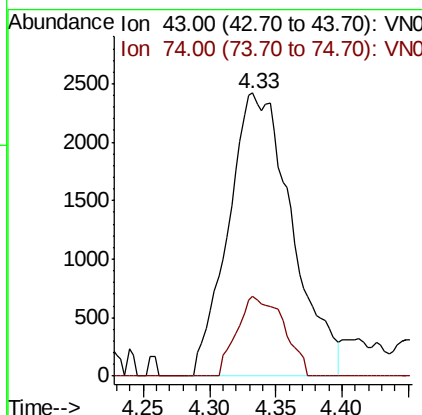
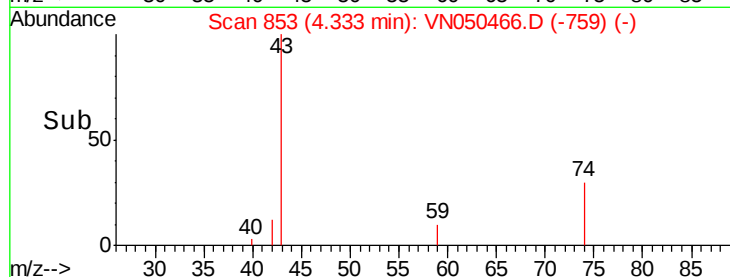
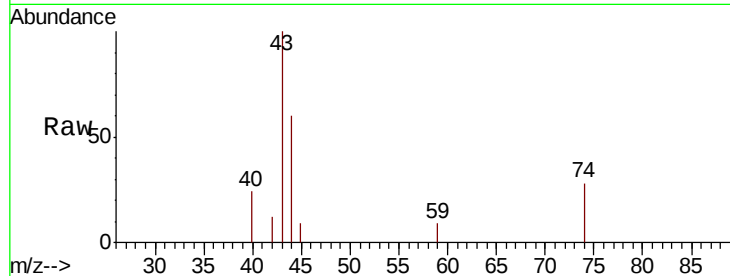




#18
Methyl Acetate
Concen: 0.74 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050466.D
Acq: 8 Aug 2018 18:08

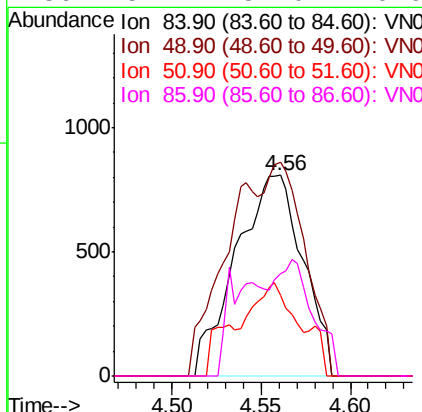
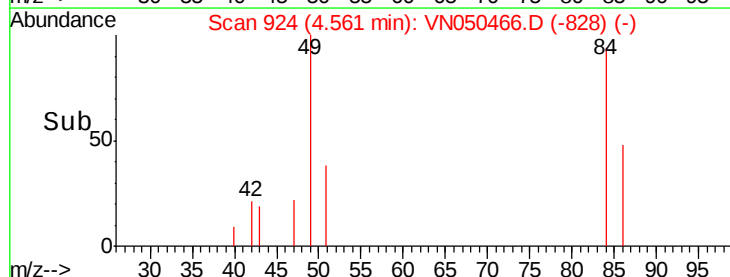
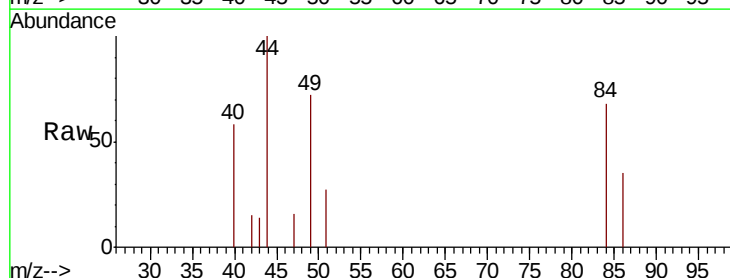
Instrument :
MSVOA_N
ClientSampled :
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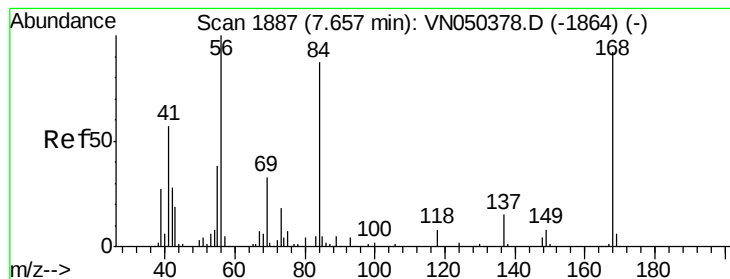
Tot Ion: 43 Resp: 8088
Ion Ratio Lower Upper
43 100
74 20.8 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN050466.D
Acq: 8 Aug 2018 18:08

Tgt Ion: 84 Resp: 2121
Ion Ratio Lower Upper
84 100
49 106.3 94.8 142.2
51 40.0 28.3 42.5
86 51.1 51.0 76.6





#31

Cyclohexane

Concen: 0.29 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

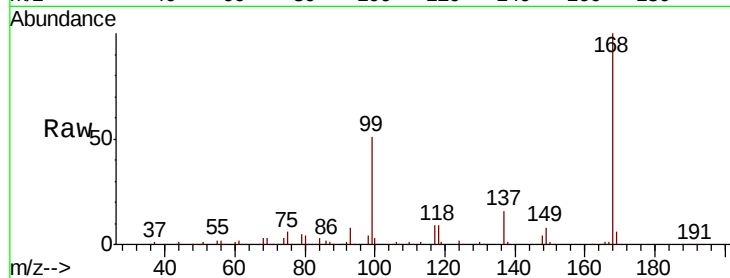
Tot Ion: 56 Resp: 14755

Ion Ratio Lower Upper

56 100

69 175.0 26.2 39.4#

84 133.7 67.4 101.0#

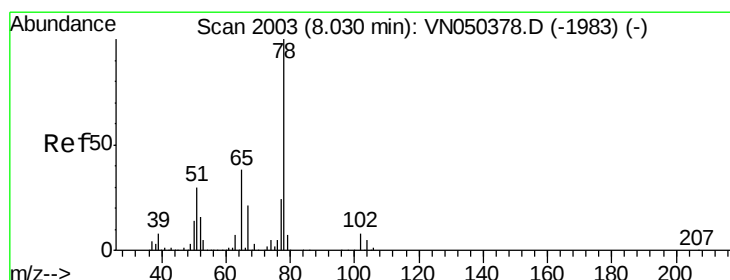
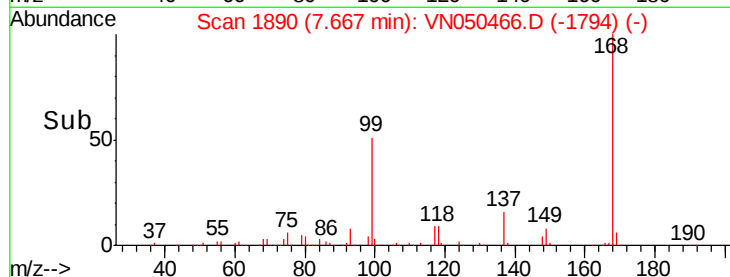
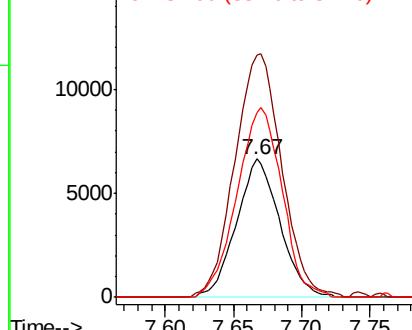


Abundance

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: 46.89 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050466.D

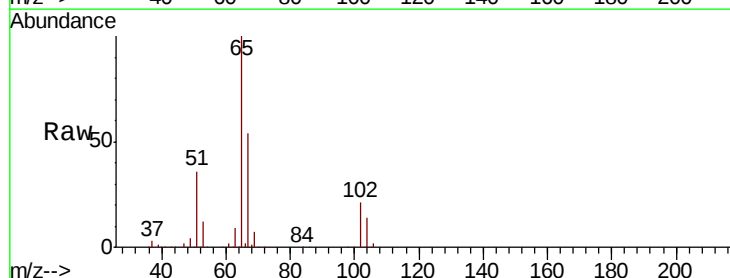
Acq: 8 Aug 2018 18:08

Tgt Ion: 65 Resp: 528498

Ion Ratio Lower Upper

65 100

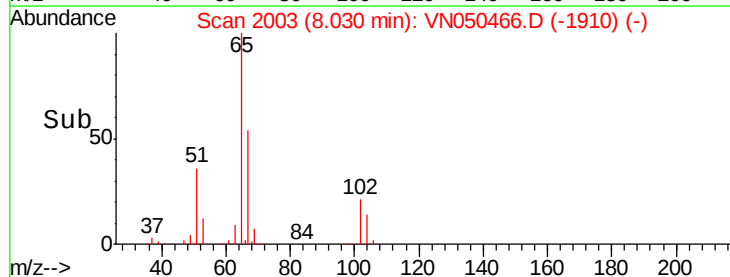
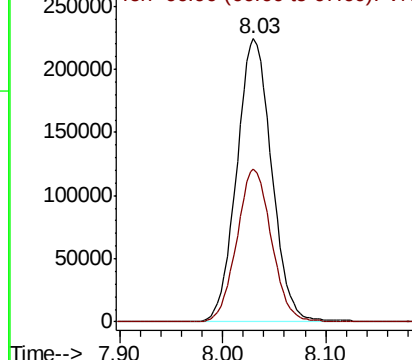
67 53.7 0.0 108.4

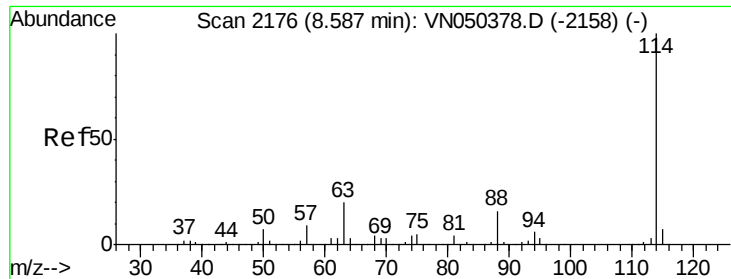


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



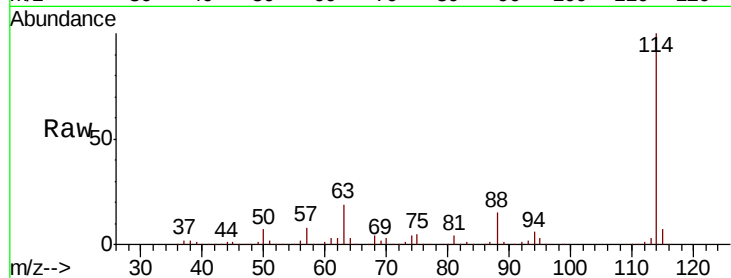


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050466.D
 Acq: 8 Aug 2018 18:08

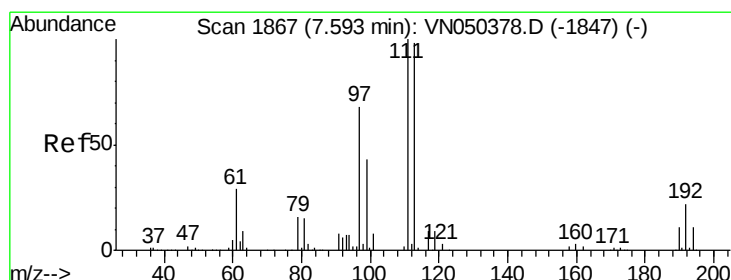
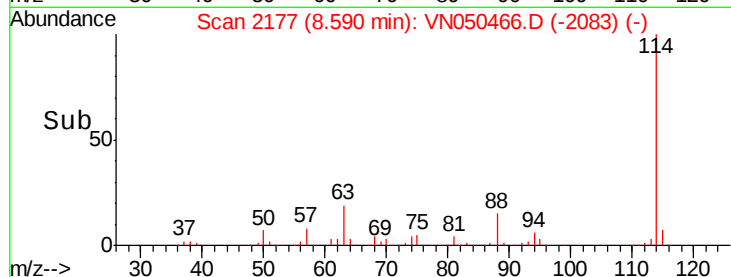
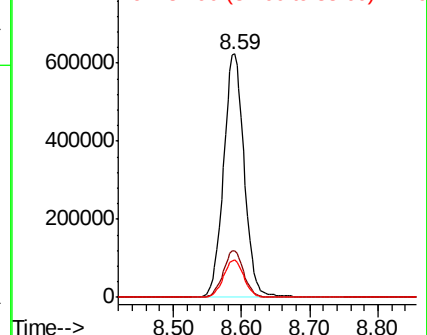
Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 1305962

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.0
88	15.2	0.0	31.2



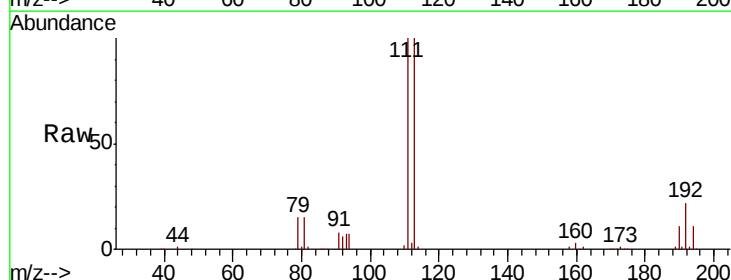
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



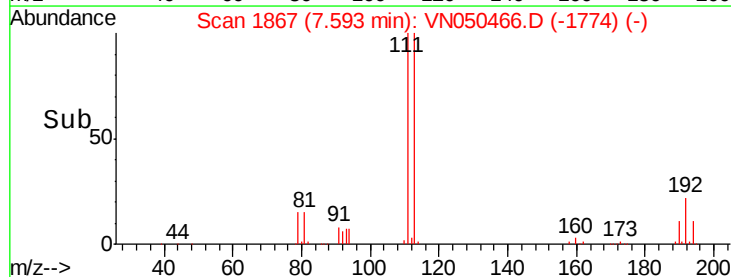
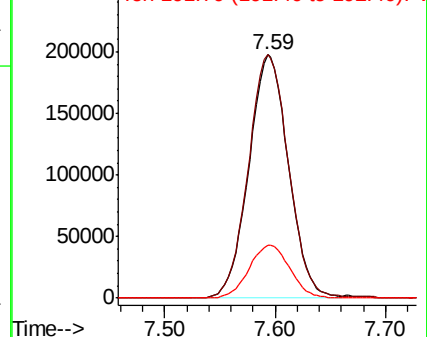
#35
 Dibromofluoromethane
 Concen: 46.91 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050466.D
 Acq: 8 Aug 2018 18:08

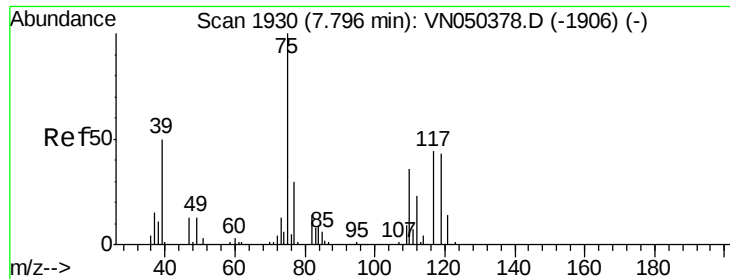
Tgt Ion:113 Resp: 491515

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.7	121.1
192	22.4	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

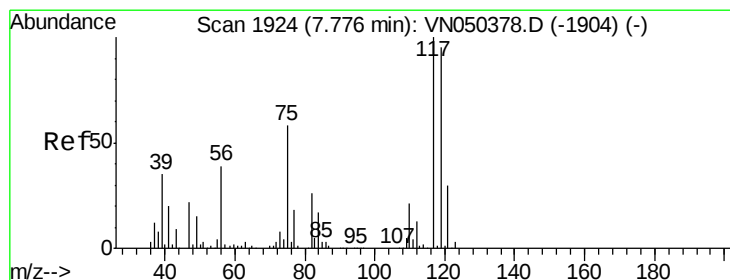
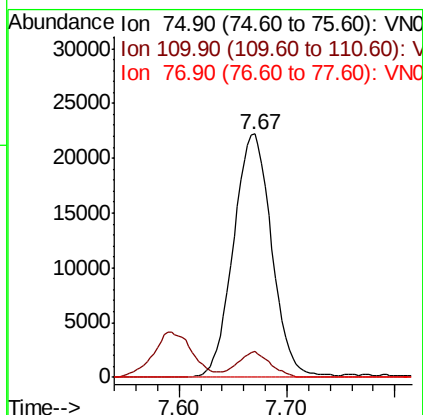
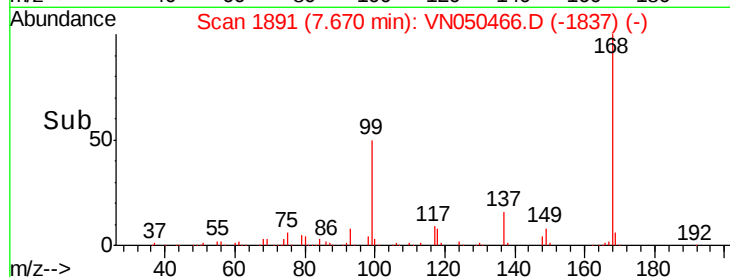
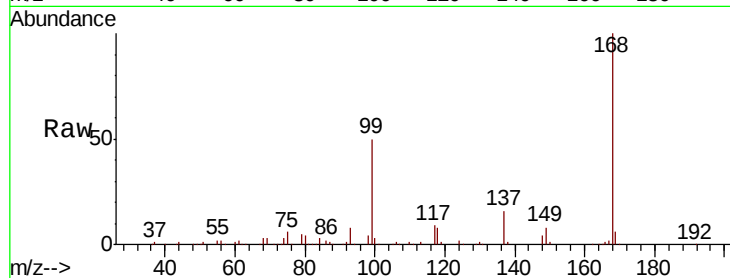




#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050466.D
 Acq: 8 Aug 2018 18:08

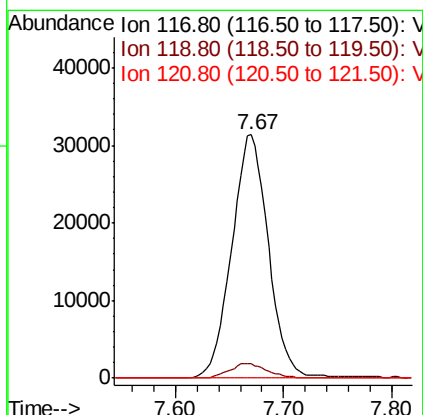
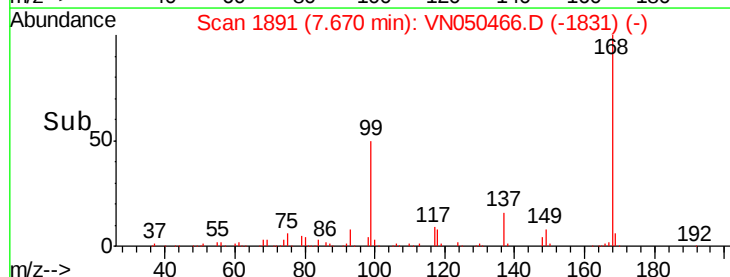
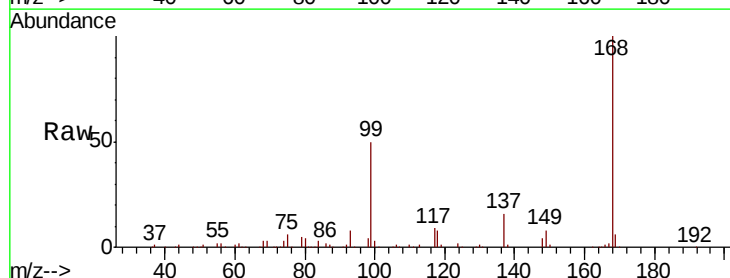
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 MSVOA_N
 ClientSampleId :
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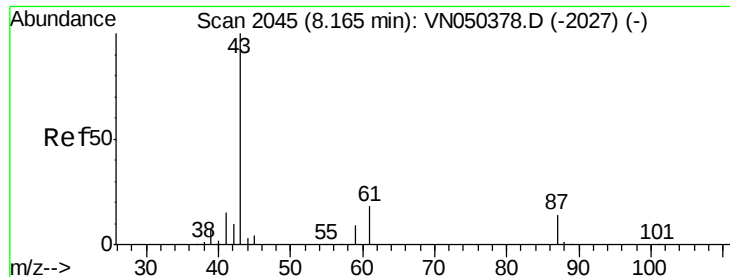
Tot Ion: 75 Resp: 54973
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.95 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050466.D
 Acq: 8 Aug 2018 18:08

Tgt Ion: 117 Resp: 74163
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.0#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 4.93 ug/l

RT: 8.25 min Scan# 2071

Delta R.T. 0.08 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

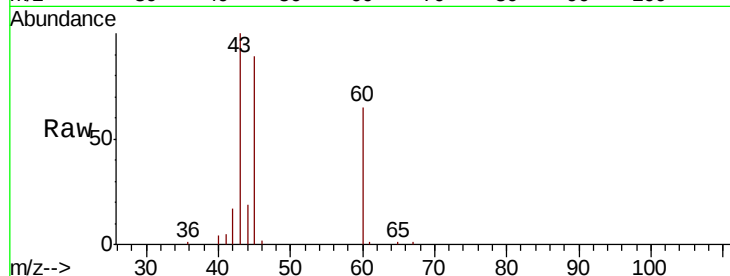
Tot Ion: 43 Resp: 87920

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

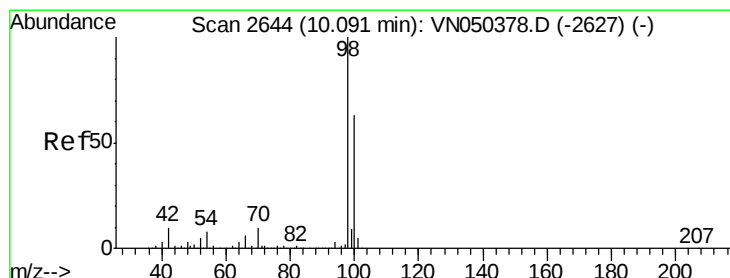
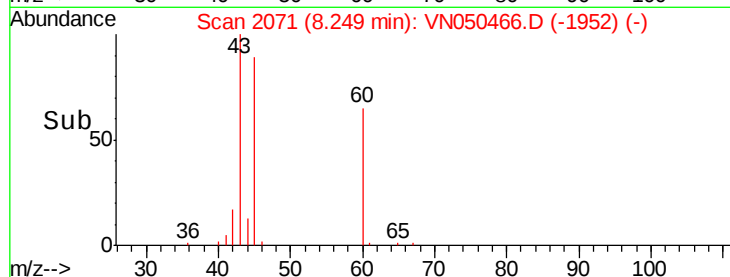
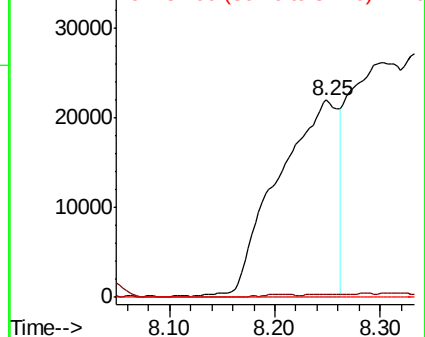
87 0.0 10.3 15.5#



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



#50

Toluene-d8

Concen: 45.02 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050466.D

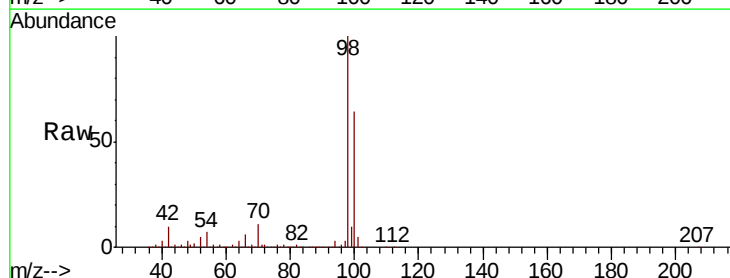
Acq: 8 Aug 2018 18:08

Tgt Ion: 98 Resp: 1773575

Ion Ratio Lower Upper

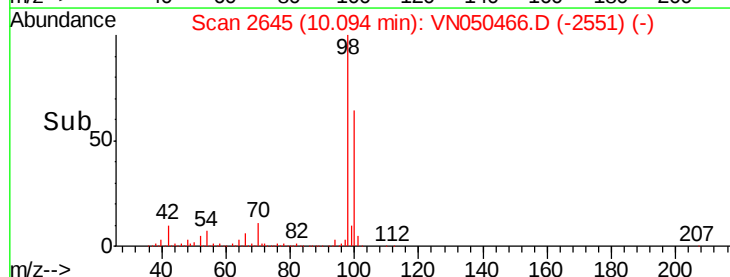
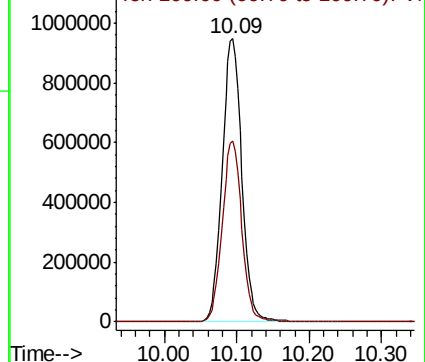
98 100

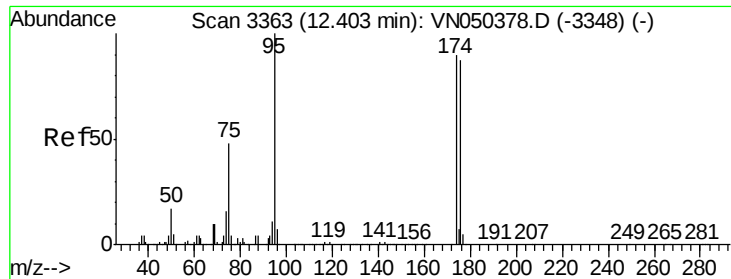
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

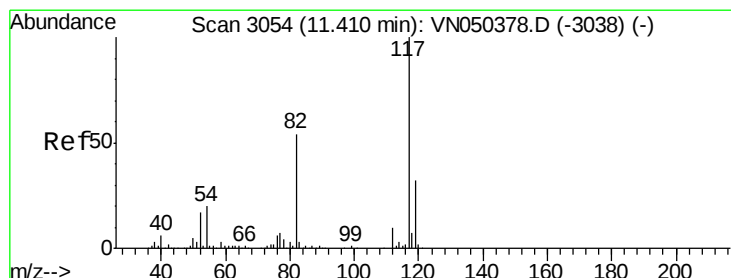
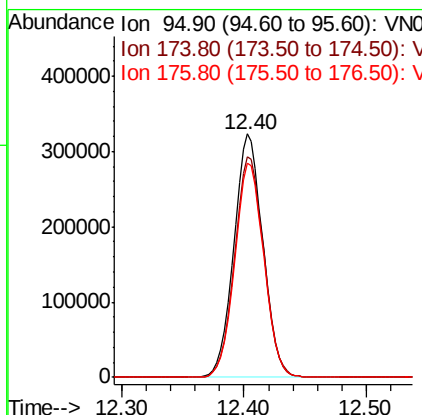
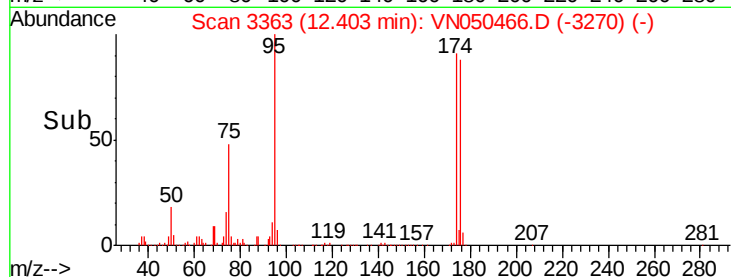
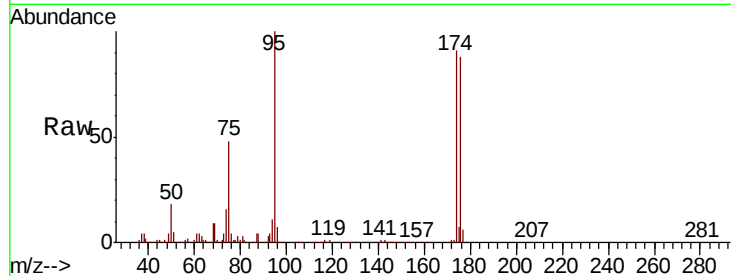




#62
4-Bromofluorobenzene
Concen: 39.54 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050466.D
Acq: 8 Aug 2018 18:08

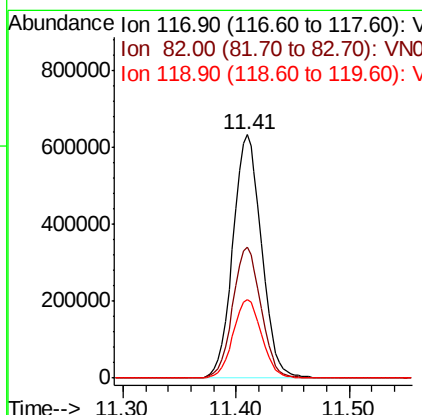
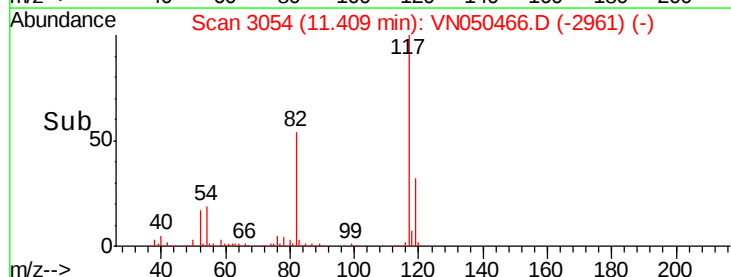
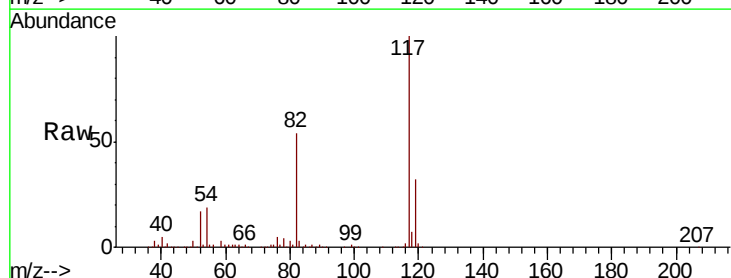
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

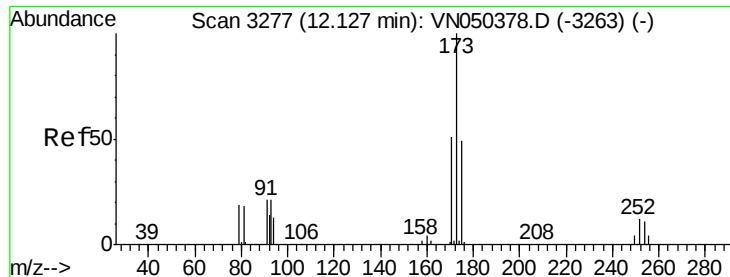
Tot Ion: 95 Resp: 531009
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 88.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050466.D
Acq: 8 Aug 2018 18:08

Tgt Ion: 117 Resp: 1114030
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 32.4 26.1 39.1





#71

Bromoform

Concen: 0.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

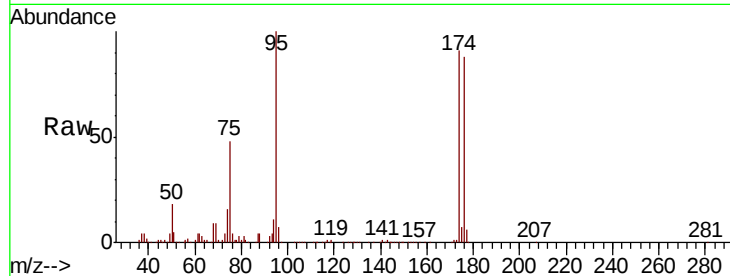
Tot Ion:173 Resp: 3850

Ion Ratio Lower Upper

173 100

175 767.9 24.1 72.2#

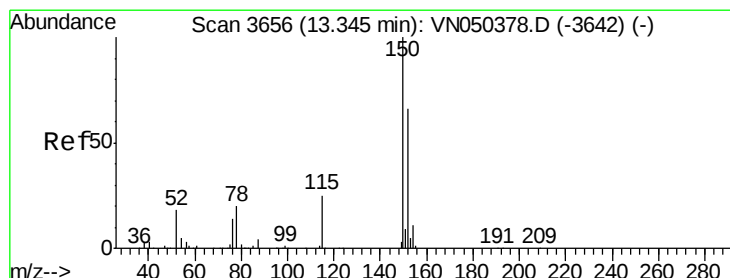
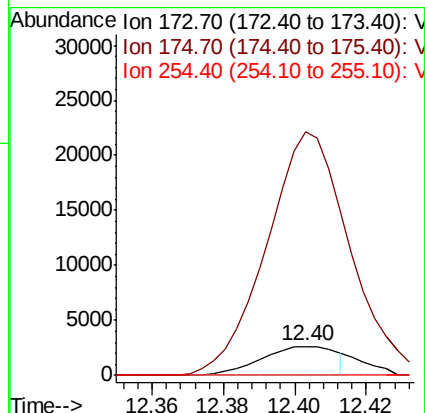
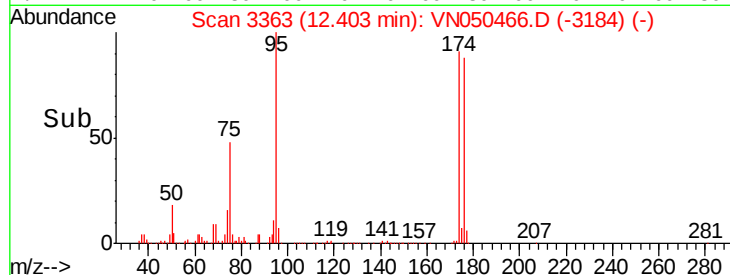
254 0.0 0.2 0.2#



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: VN050466.D

Acq: 8 Aug 2018 18:08

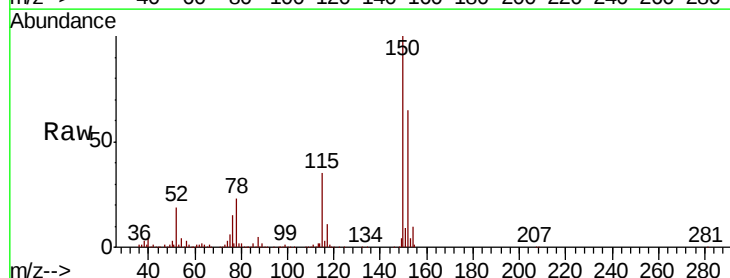
Tgt Ion:152 Resp: 458964

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

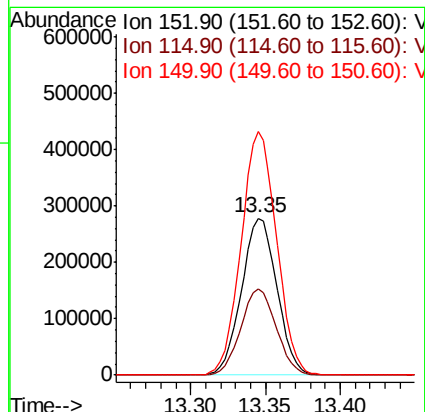
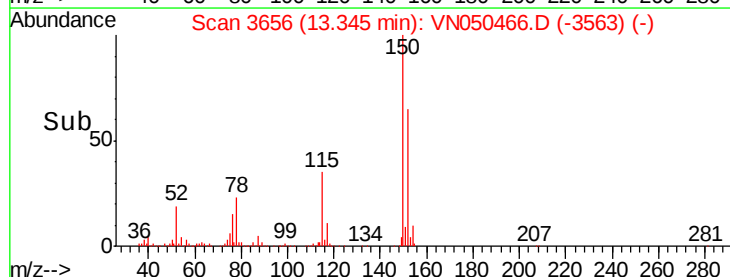
150 154.9 0.0 348.6

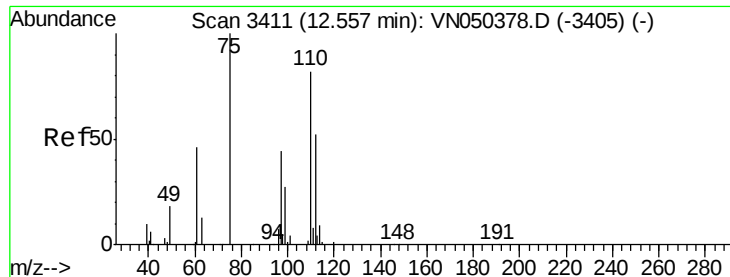


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

Instrument :

MSVOA_N

ClientSampled :

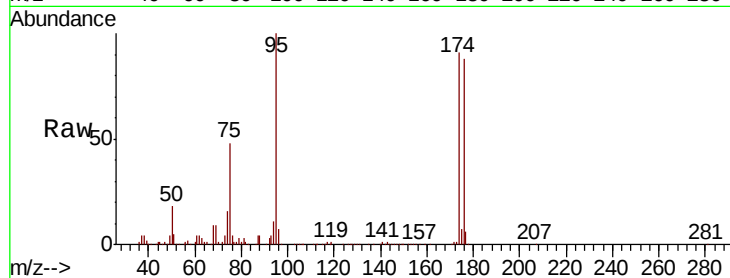
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Tot Ion: 75 Resp: 255735

Ion Ratio Lower Upper

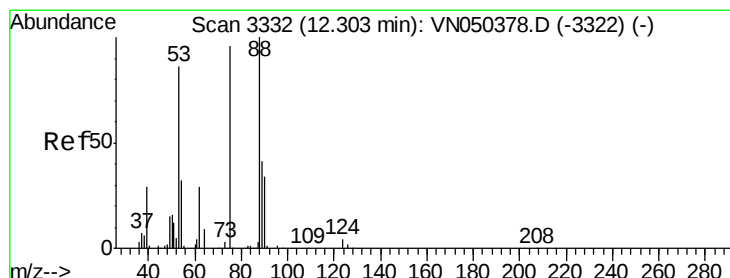
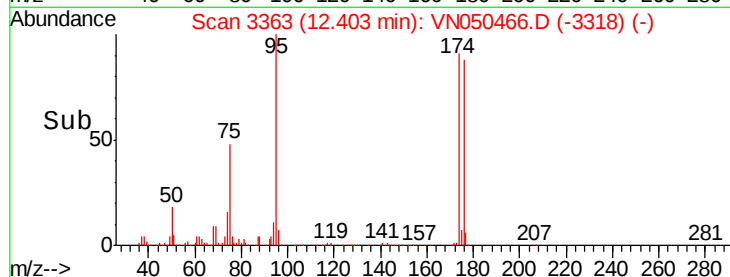
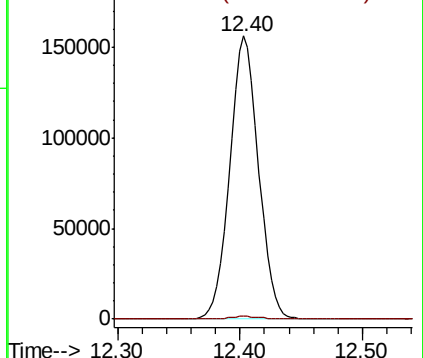
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 108.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050466.D

Acq: 8 Aug 2018 18:08

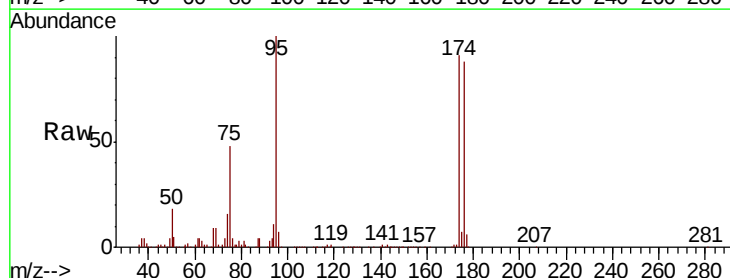
Tgt Ion: 75 Resp: 255735

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

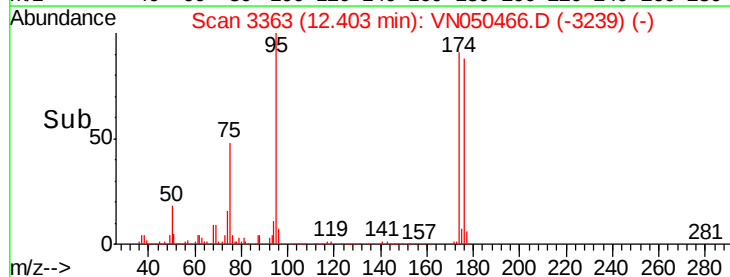
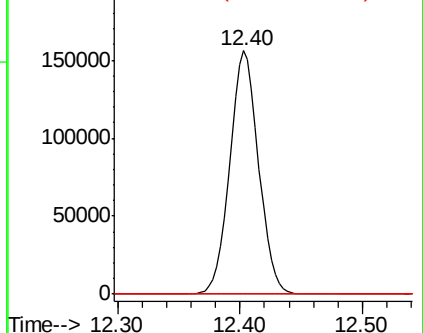
89 0.0 36.0 54.0#

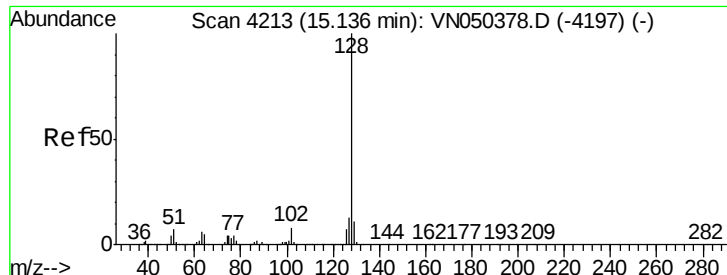


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: VN050466.D
Acq: 8 Aug 2018 18:08

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

