

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050552.D
 Acq On : 11 Aug 2018 6:13
 Operator : MD\SY
 Sample : J4272-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-J

Quant Time: Aug 11 06:44:29 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	637359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355444	50.00	ug/l	0.00

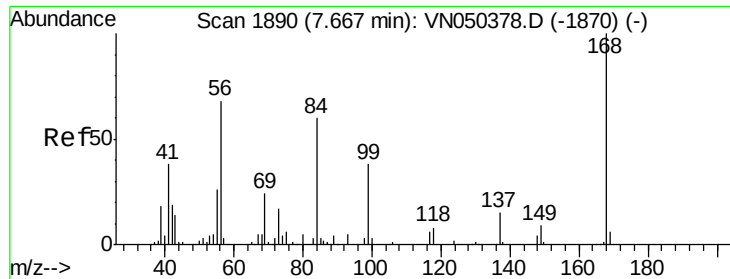
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	435894	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.59	113	409467	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.09	98	1449103	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	12.40	95	415219	38.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.64%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2558	Below Cal		96
5) Bromomethane	2.57	94	3111	0.87 ug/l		85
8) Diethyl Ether	3.41	74	1849	0.43 ug/l		52
16) Acetone	3.82	43	6976	2.39 ug/l		97
18) Methyl Acetate	4.34	43	13058	1.79 ug/l		98
20) Methylene Chloride	4.55	84	69013	7.57 ug/l		97
25) 2-Butanone	6.85	43	1121	0.27 ug/l		97
29) Tetrahydrofuran	7.23	42	950	0.42 ug/l	#	60
30) Chloroform	7.38	83	11261	0.81 ug/l		98
31) Cyclohexane	7.67	56	11193	0.29 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	43469	3.75 ug/l	#	49
38) Carbon Tetrachloride	7.67	117	57860	4.79 ug/l	#	17
43) Isopropyl Acetate	8.17	43	229017	15.91 ug/l		97
47) Bromodichloromethane	9.40	83	3000	0.25 ug/l	#	91
48) Methyl methacrylate	9.19	41	6618	0.92 ug/l	#	21
56) Ethyl methacrylate	10.23	69	1999	1.87 ug/l	#	87
59) 2-Hexanone	10.77	43	15196	2.10 ug/l	#	61
71) Bromoform	12.40	173	3235	0.53 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	198294	30.82 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	198294	108.29 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.04	105	7553	0.34 ug/l		97
85) sec-Butylbenzene	13.04	105	7553	0.30 ug/l	#	56
95) Naphthalene	15.13	128	28574	5.16 ug/l		99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

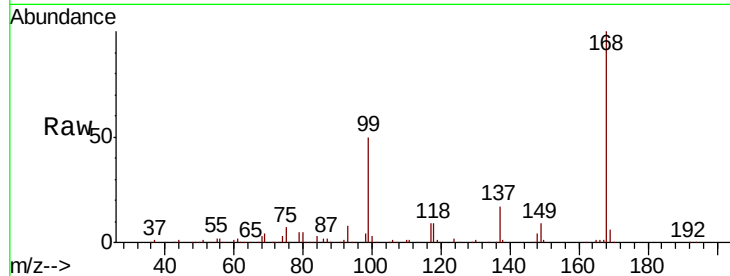
JC-03-080918-J

Tot Ion:168 Resp: 637359

Ion Ratio Lower Upper

168 100

99 49.9 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

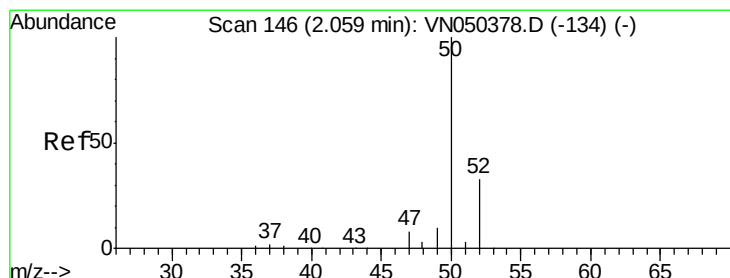
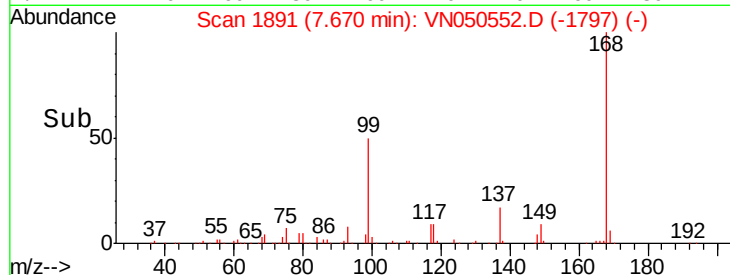
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050552.D

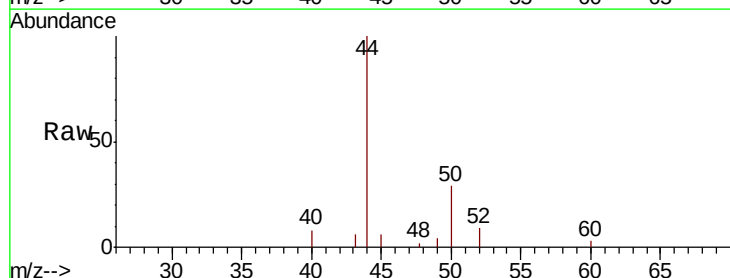
Acq: 11 Aug 2018 6:13

Tgt Ion: 50 Resp: 2558

Ion Ratio Lower Upper

50 100

52 30.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

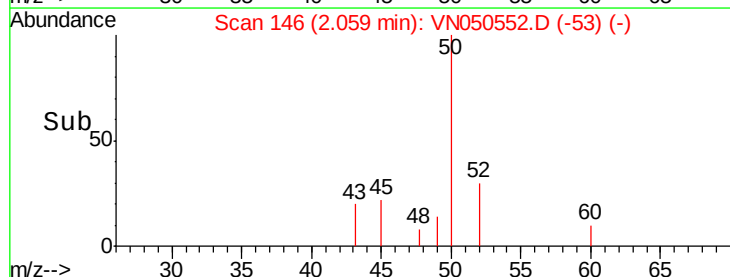
1500

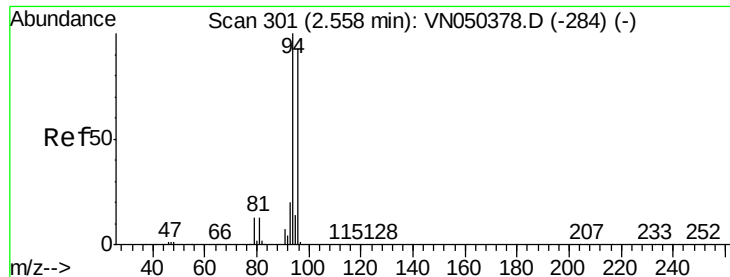
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.87 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

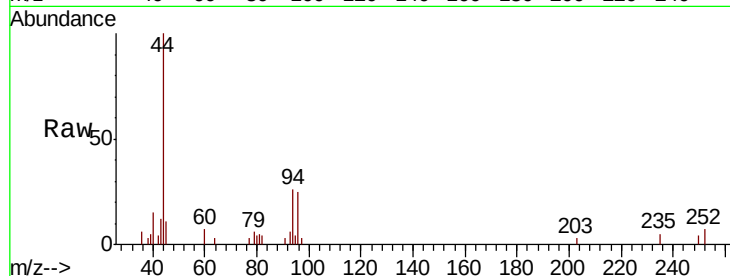
JC-03-080918-J

Tot Ion: 94 Resp: 3111

Ion Ratio Lower Upper

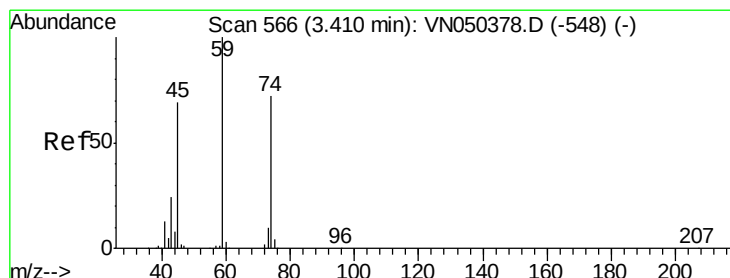
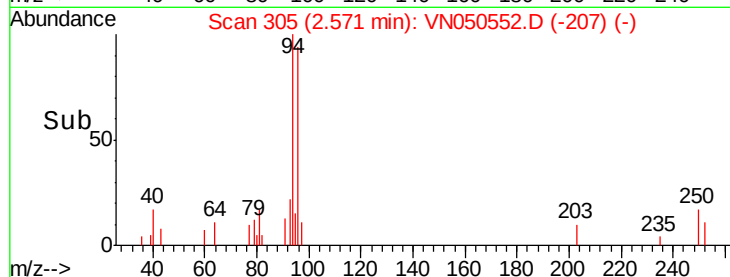
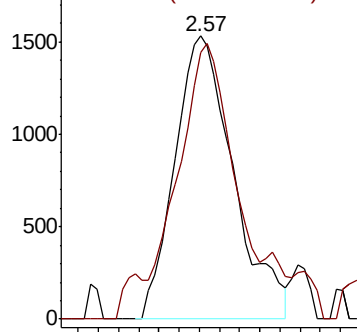
94 100

96 79.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.43 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050552.D

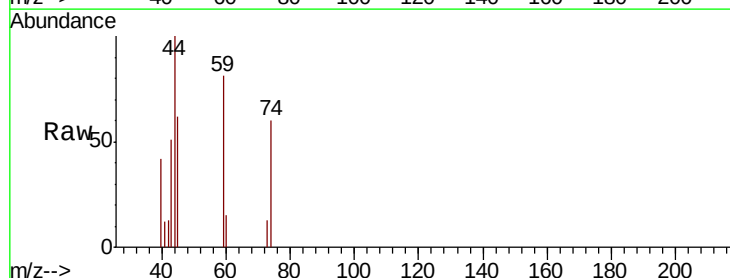
Acq: 11 Aug 2018 6:13

Tgt Ion: 74 Resp: 1849

Ion Ratio Lower Upper

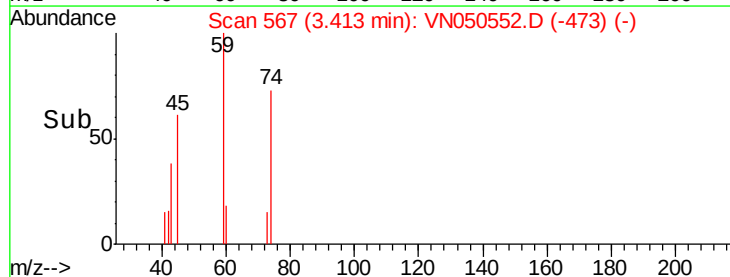
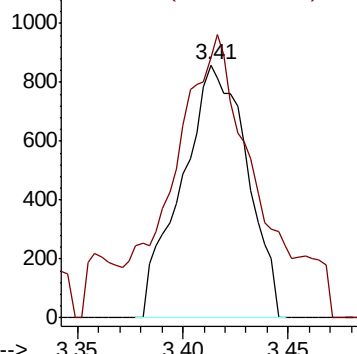
74 100

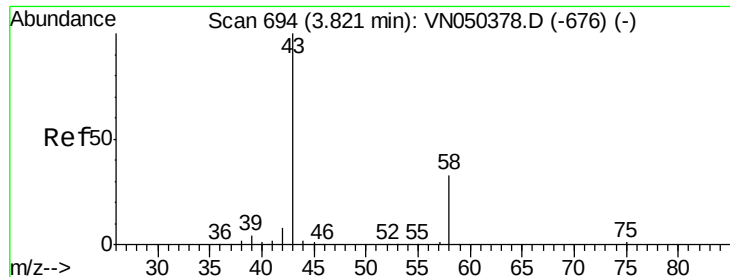
45 141.8 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#16

Acetone

Concen: 2.39 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

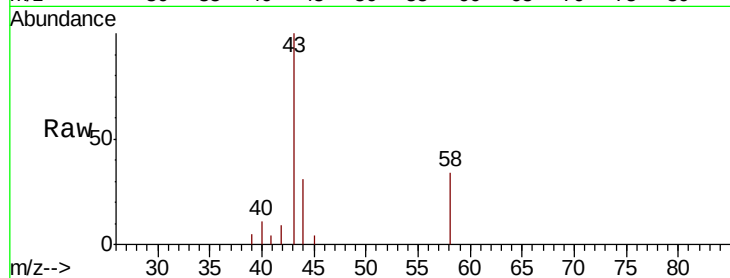
JC-03-080918-J

Tot Ion: 43 Resp: 6976

Ion Ratio Lower Upper

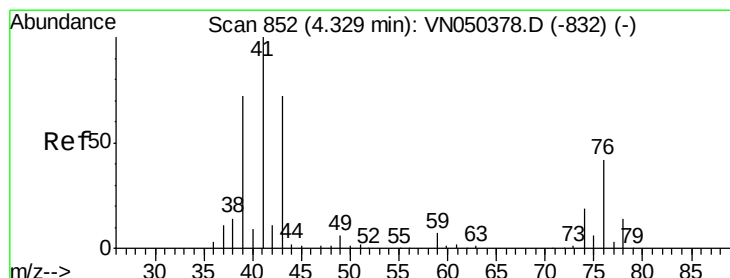
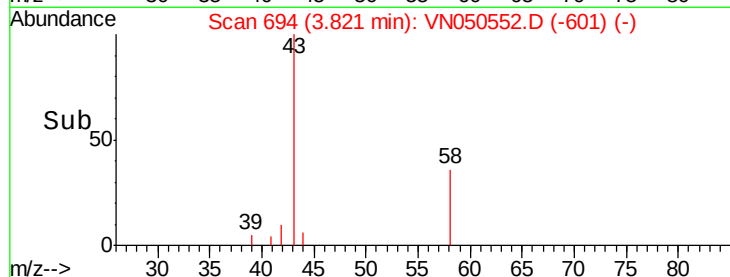
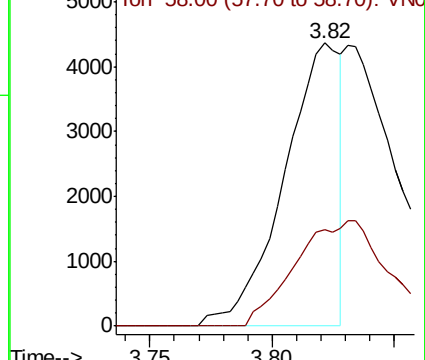
43 100

58 34.2 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: 1.79 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050552.D

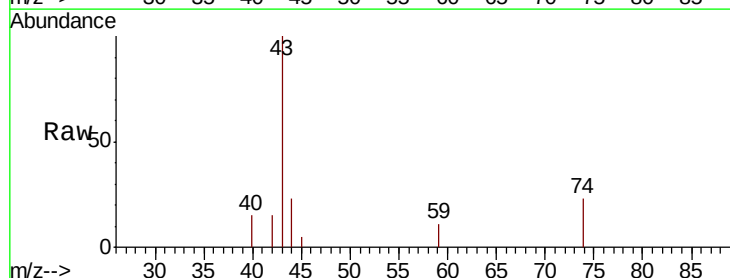
Acq: 11 Aug 2018 6:13

Tgt Ion: 43 Resp: 13058

Ion Ratio Lower Upper

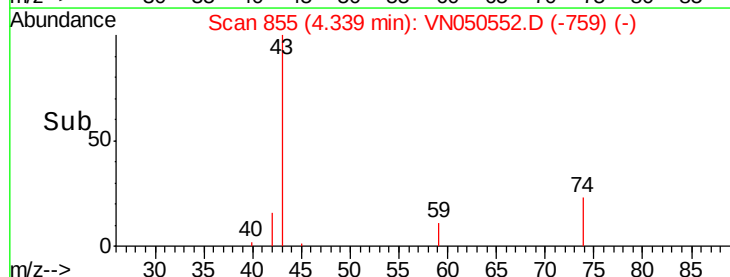
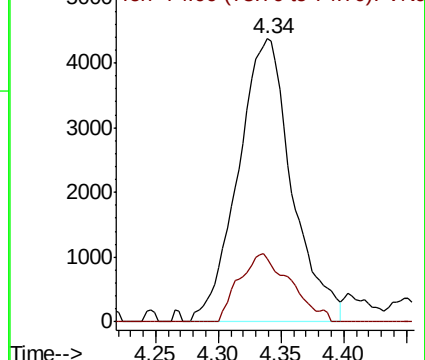
43 100

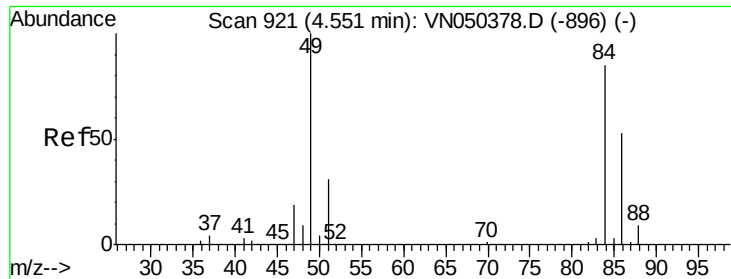
74 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

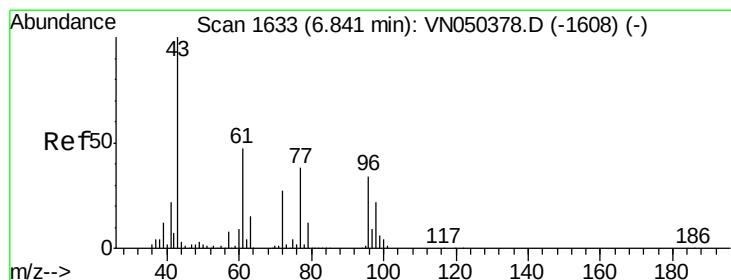
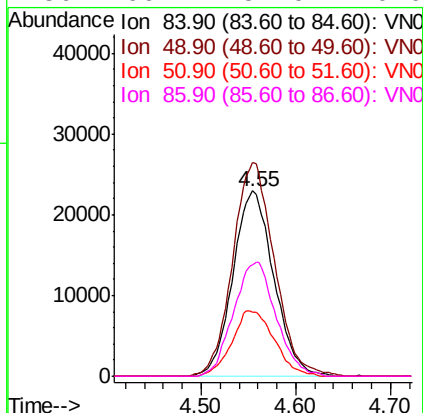
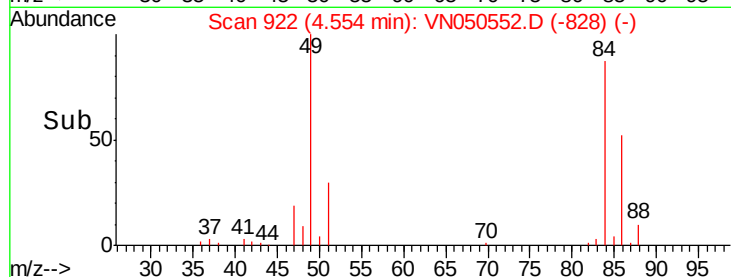
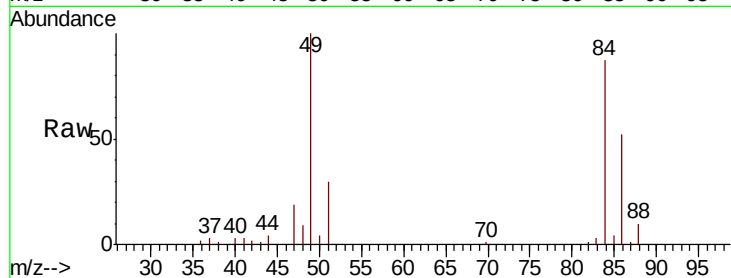




#20
Methvlene Chloride
Concen: 7.57 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050552.D
Acq: 11 Aug 2018 6:13

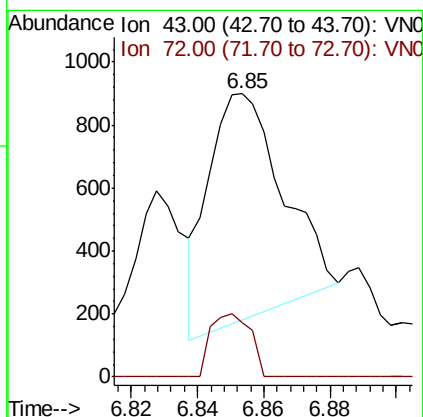
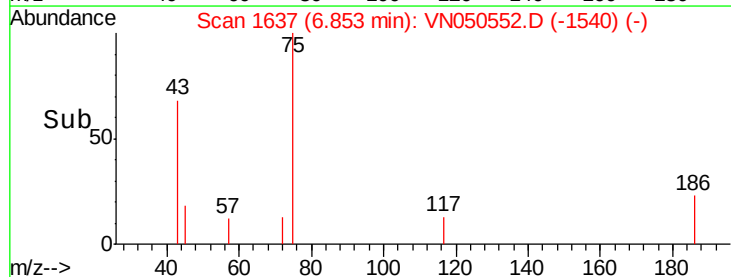
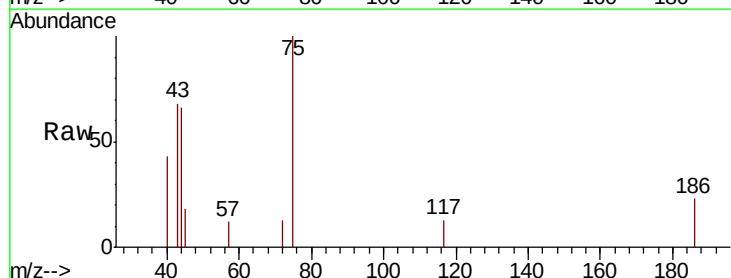
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-J

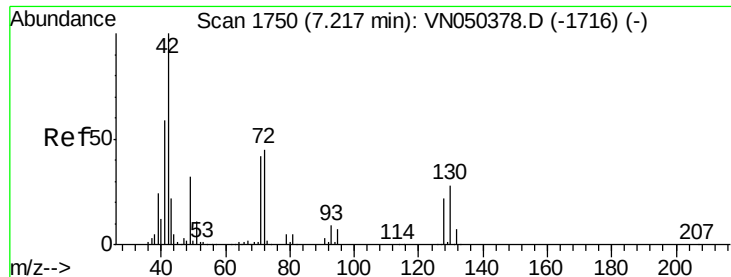
Tot Ion: 84 Resp: 69013
Ion Ratio Lower Upper
84 100
49 115.3 94.8 142.2
51 34.5 28.3 42.5
86 60.4 51.0 76.6



#25
2-Butanone
Concen: 0.27 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050552.D
Acq: 11 Aug 2018 6:13

Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
72 28.7 21.5 32.3





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-J

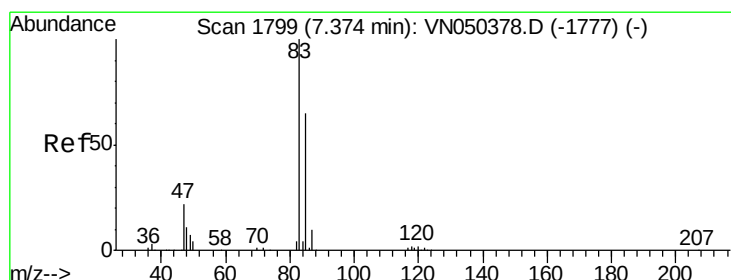
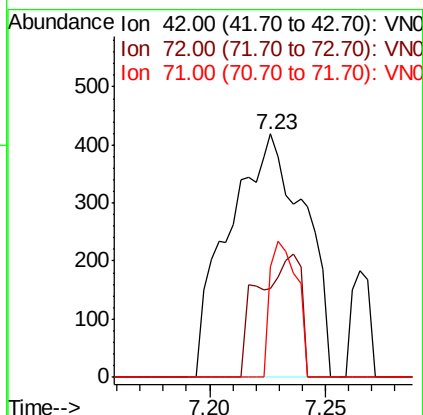
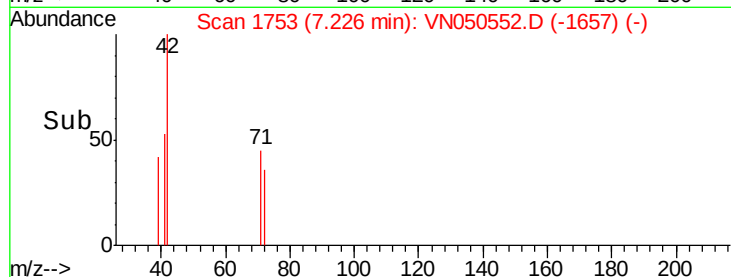
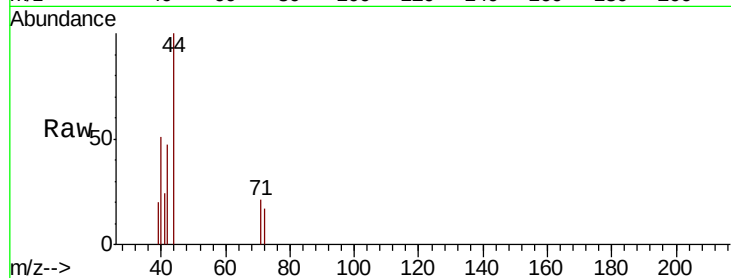
Tot Ion: 42 Resp: 950

Ion Ratio Lower Upper

42 100

72 15.8 35.9 53.9#

71 19.9 33.7 50.5#



#30

Chloroform

Concen: 0.81 ug/l

RT: 7.38 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VN050552.D

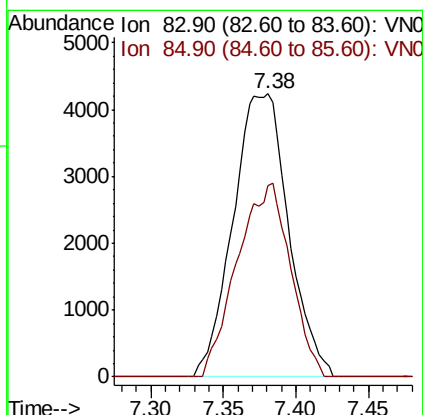
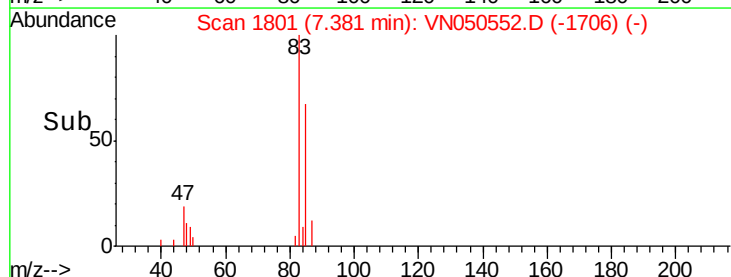
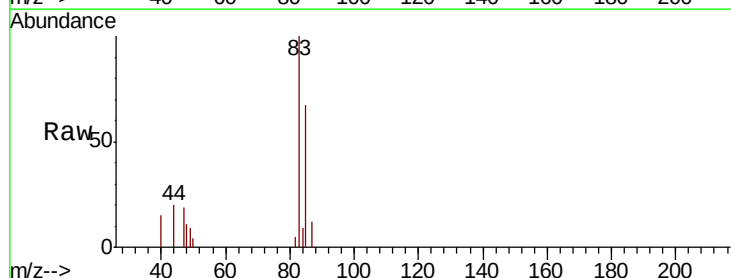
Acq: 11 Aug 2018 6:13

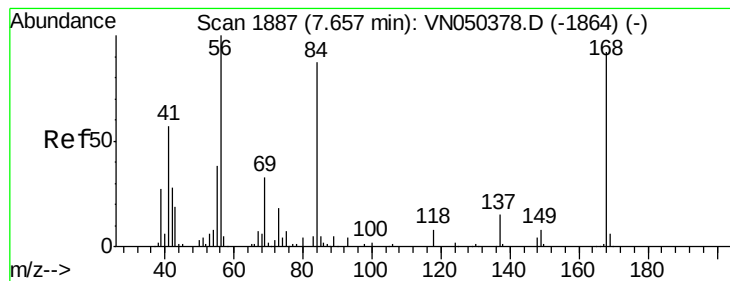
Tgt Ion: 83 Resp: 11261

Ion Ratio Lower Upper

83 100

85 67.4 52.5 78.7





#31

Cyclohexane

Concen: 0.29 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-J

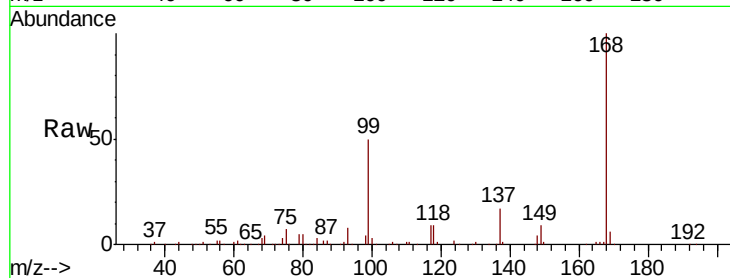
Tot Ion: 56 Resp: 11193

Ion Ratio Lower Upper

56 100

69 206.3 26.2 39.4#

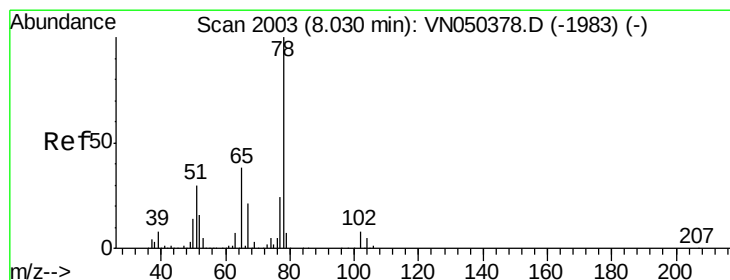
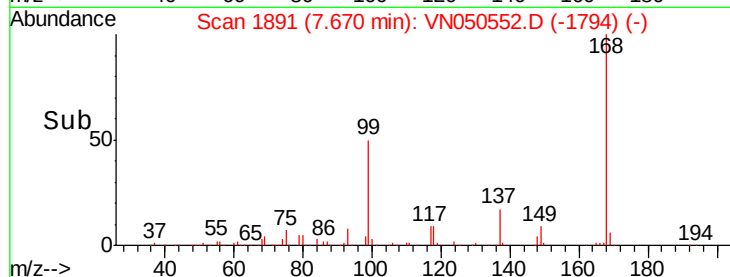
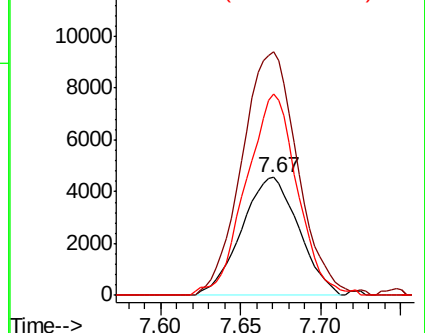
84 170.3 67.4 101.0#



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: 51.19 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050552.D

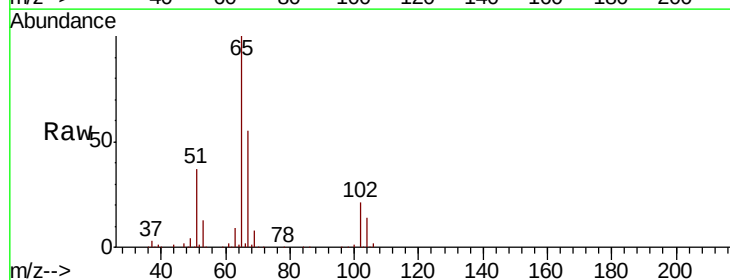
Acq: 11 Aug 2018 6:13

Tgt Ion: 65 Resp: 435894

Ion Ratio Lower Upper

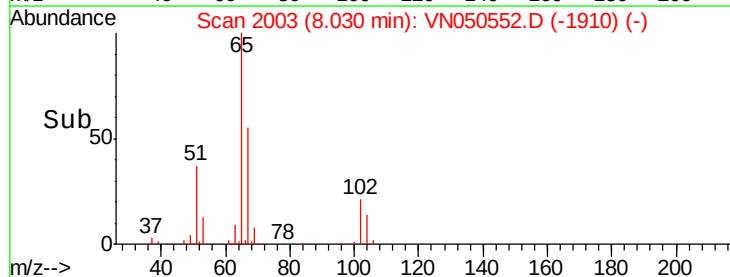
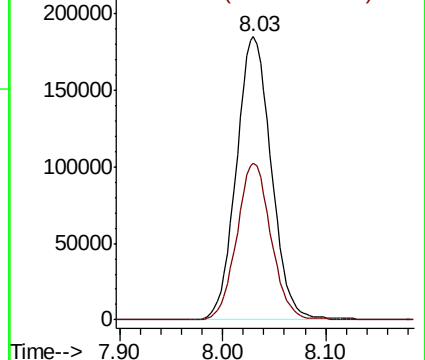
65 100

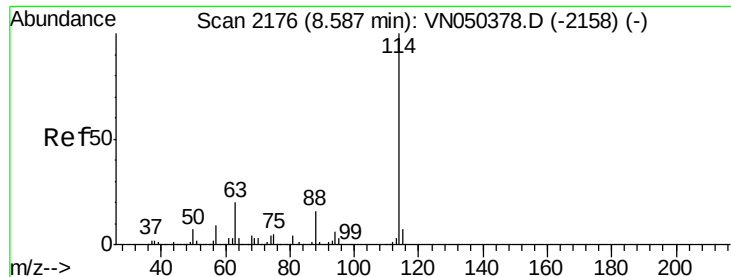
67 54.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



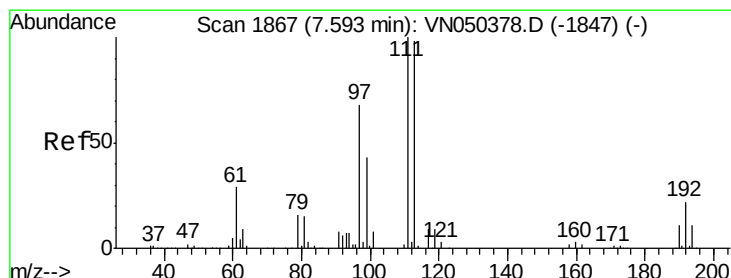
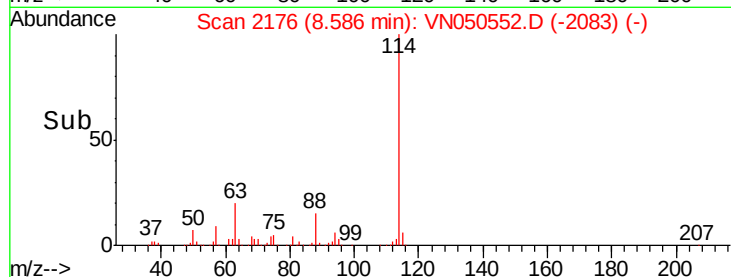
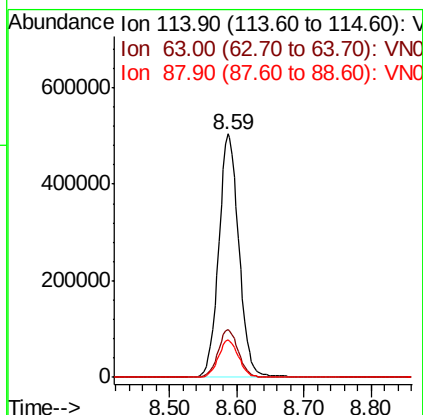
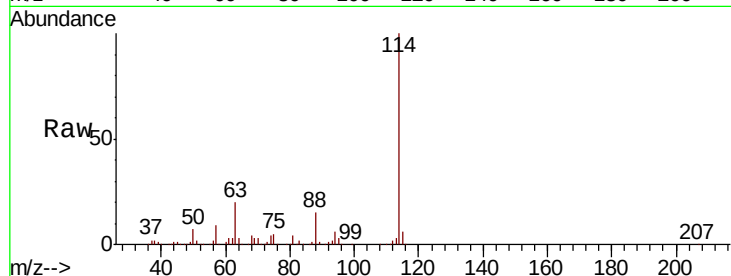


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050552.D
 Acq: 11 Aug 2018 6:13

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-J

Tot Ion:114 Resp: 1053908

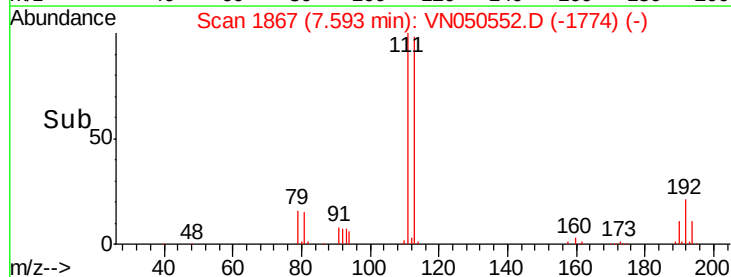
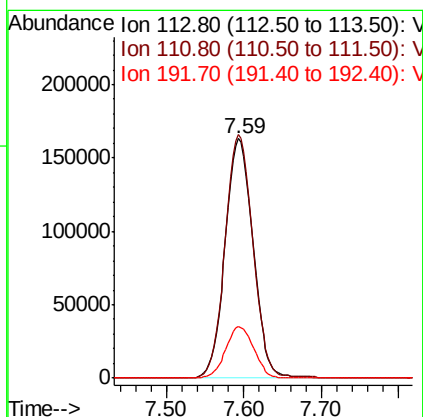
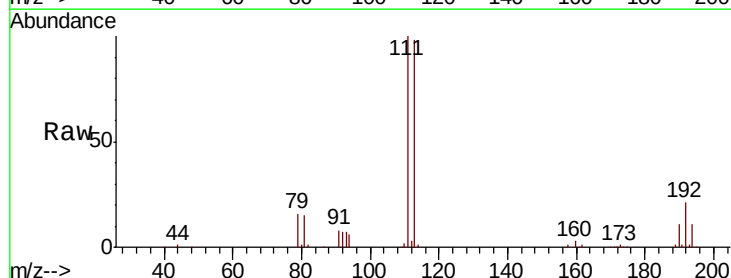
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.5	0.0	31.2

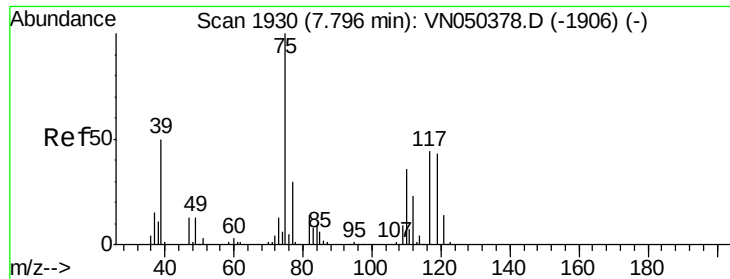


#35
 Dibromofluoromethane
 Concen: 48.42 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050552.D
 Acq: 11 Aug 2018 6:13

Tgt Ion:113 Resp: 409467

Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.7	121.1
192	21.7	17.8	26.6

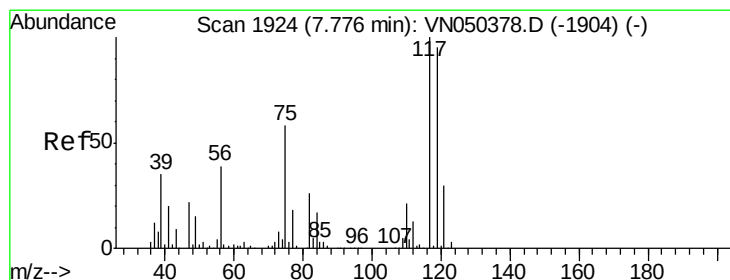
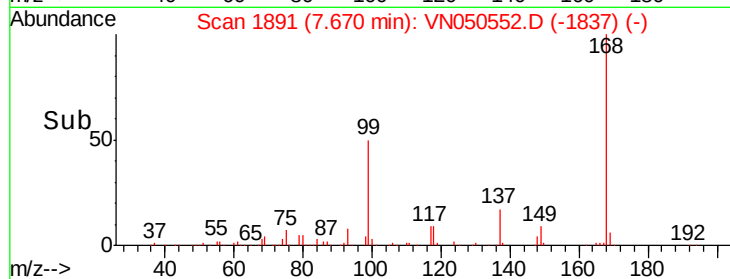
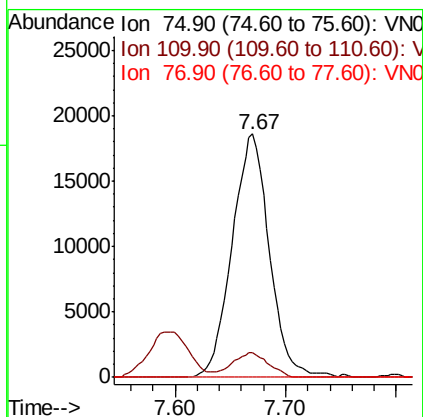
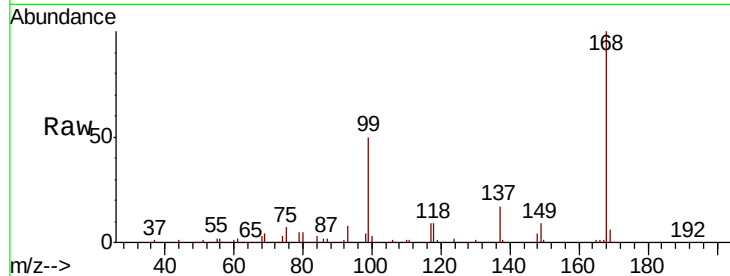




#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050552.D
 Acq: 11 Aug 2018 6:13

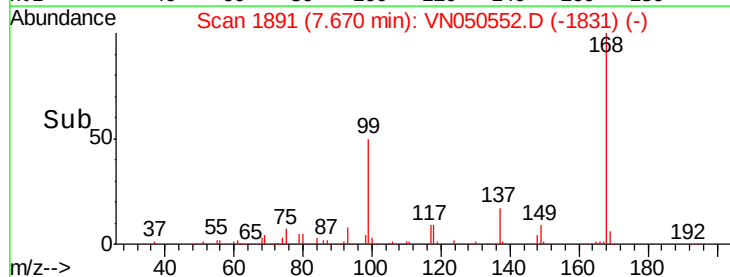
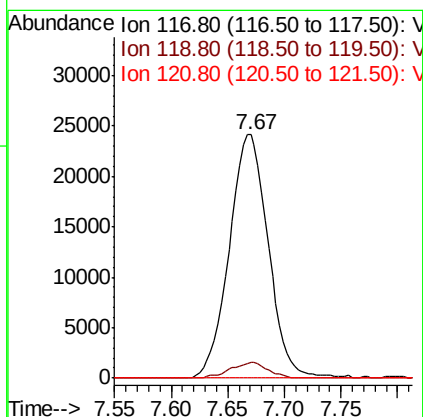
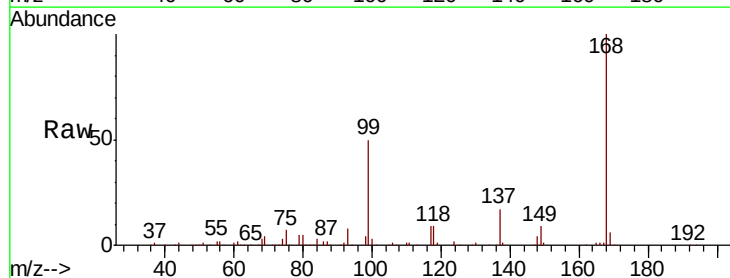
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-J

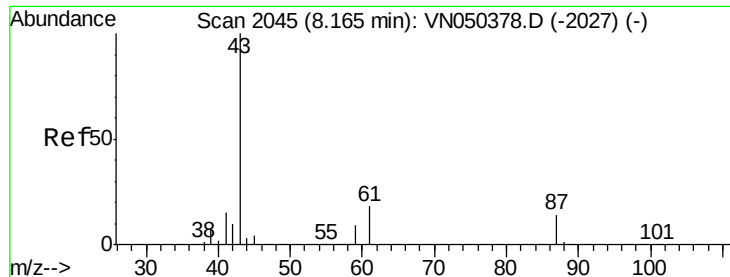
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.79 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050552.D
 Acq: 11 Aug 2018 6:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 15.91 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-J

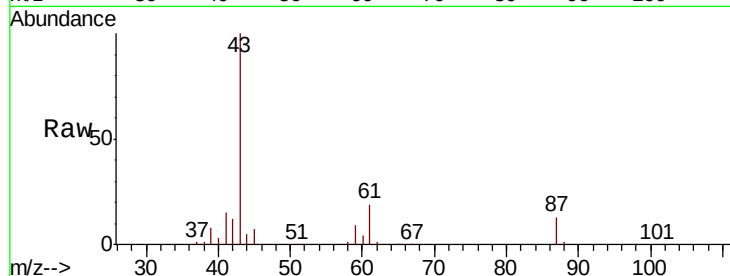
Tot Ion: 43 Resp: 229017

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.6

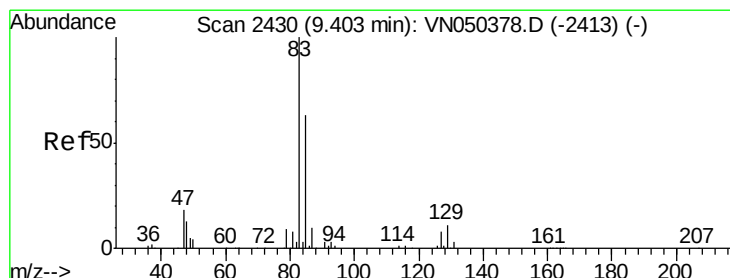
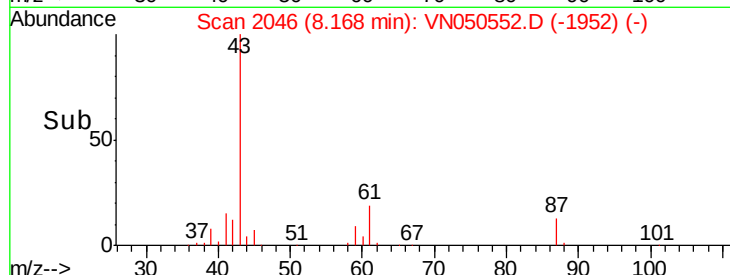
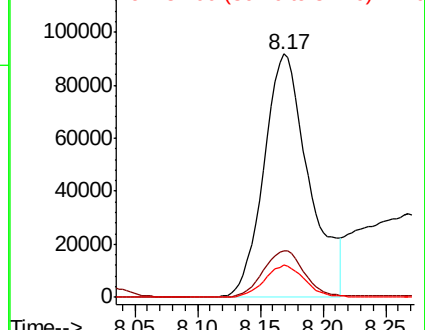
87 11.8 10.3 15.5



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



#47

Bromodichloromethane

Concen: 0.25 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

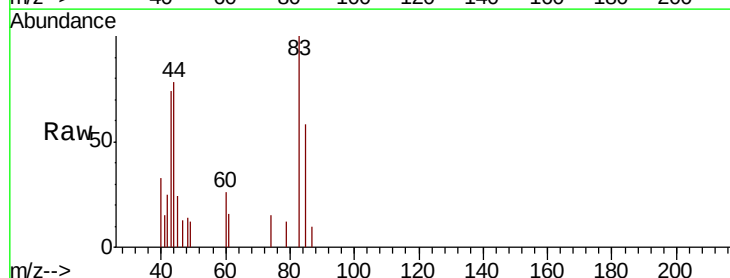
Tgt Ion: 83 Resp: 3000

Ion Ratio Lower Upper

83 100

85 58.4 51.1 76.7

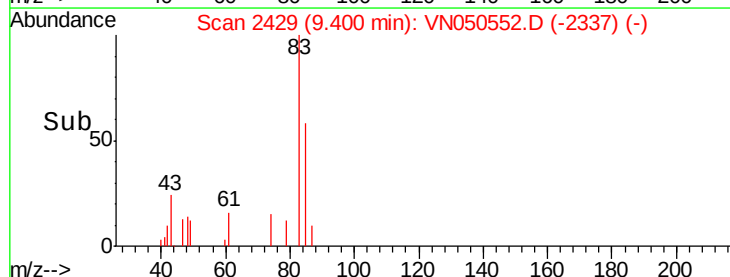
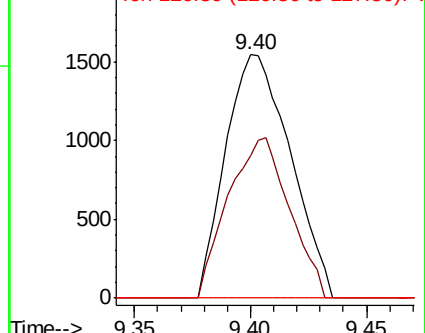
127 0.0 7.0 10.4#

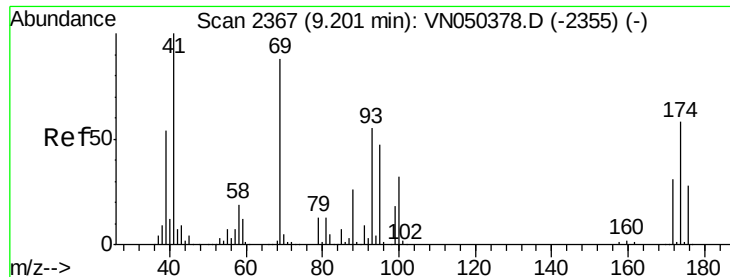


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

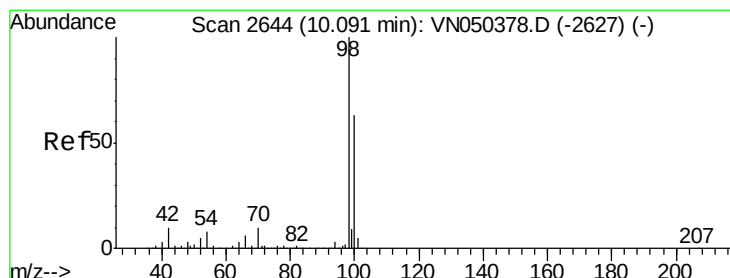
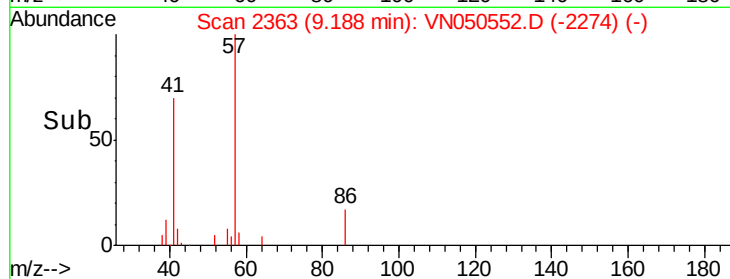
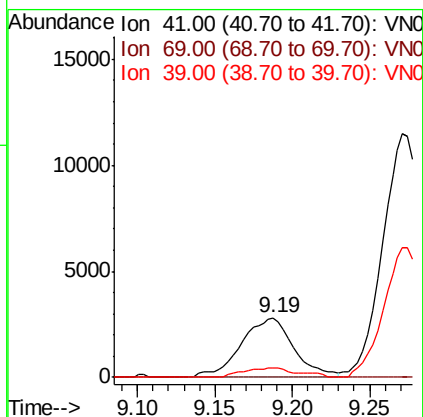
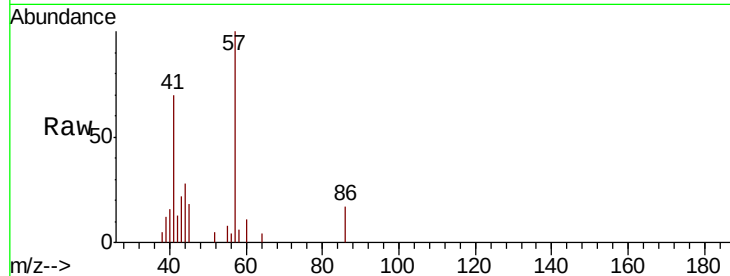




#48
Methvl methacrylate
Concen: 0.92 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VN050552.D
Acq: 11 Aug 2018 6:13

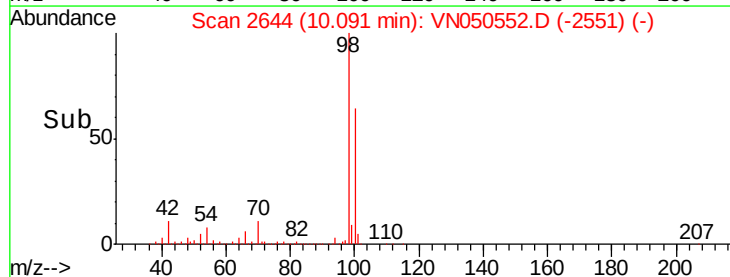
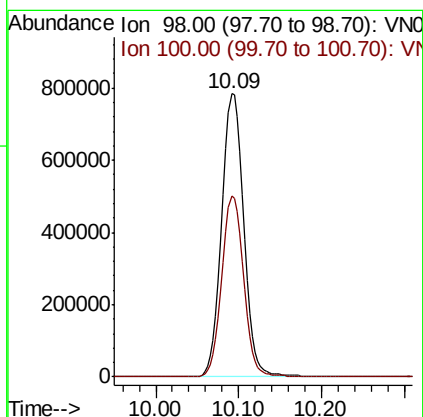
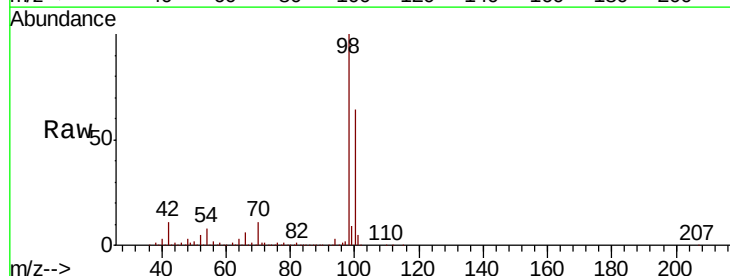
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-J

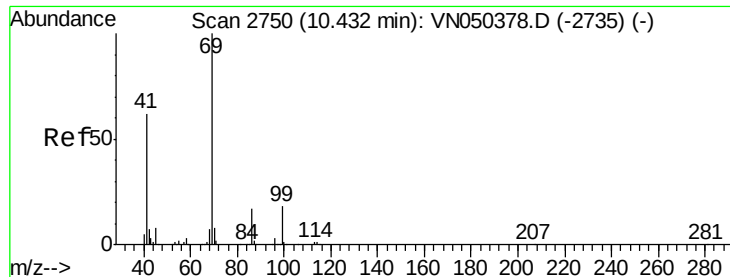
Tot Ion: 41 Resp: 6618
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.9 43.9 65.9#



#50
Toluene-d8
Concen: 45.58 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050552.D
Acq: 11 Aug 2018 6:13

Tgt Ion: 98 Resp: 1449103
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1





#56

Ethyl methacrylate

Concen: 1.87 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-J

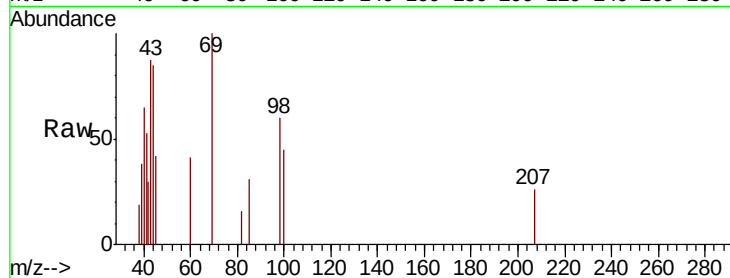
Tot Ion: 69 Resp: 1999

Ion Ratio Lower Upper

69 100

41 78.6 51.0 76.4#

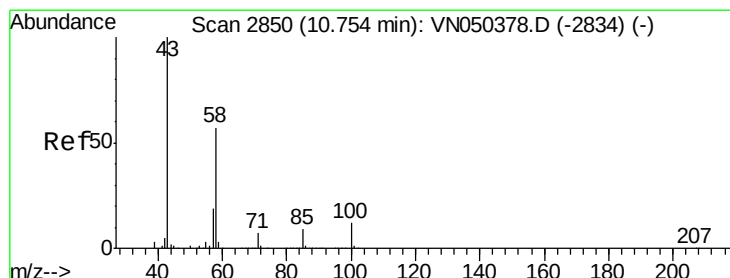
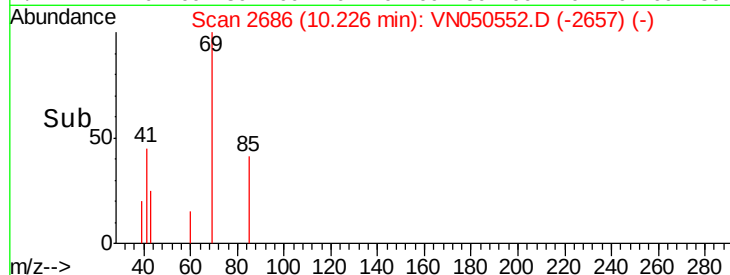
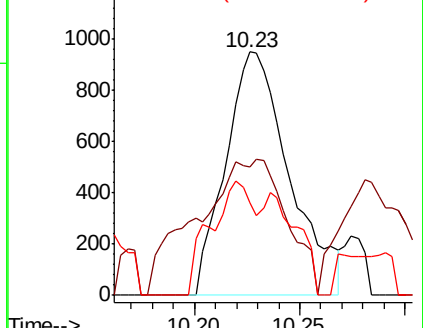
39 31.7 26.6 40.0



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: 2.10 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050552.D

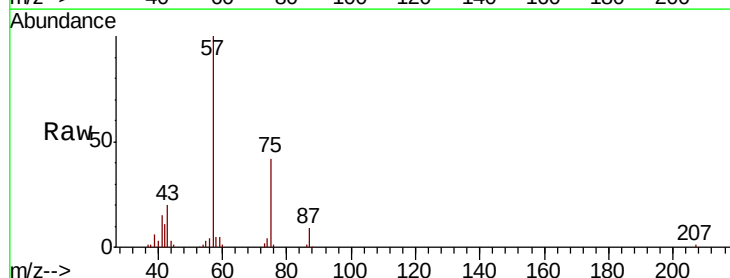
Acq: 11 Aug 2018 6:13

Tgt Ion: 43 Resp: 15196

Ion Ratio Lower Upper

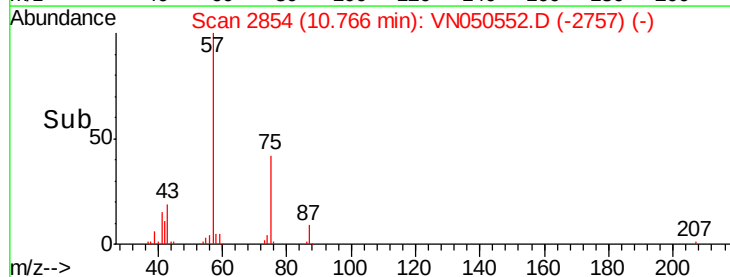
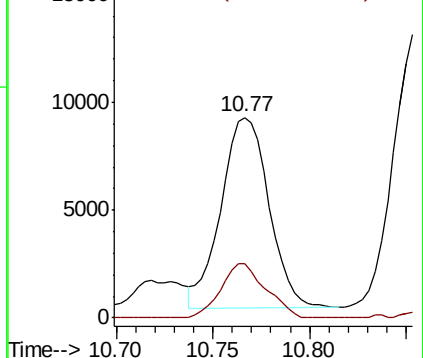
43 100

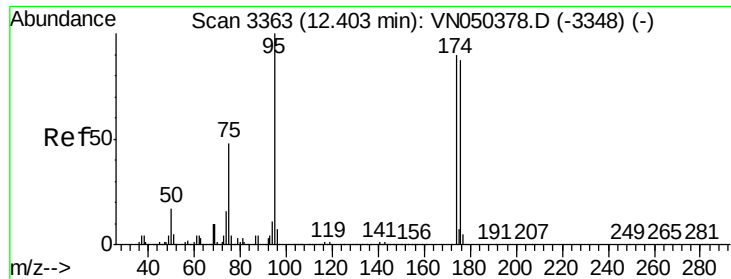
58 26.7 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

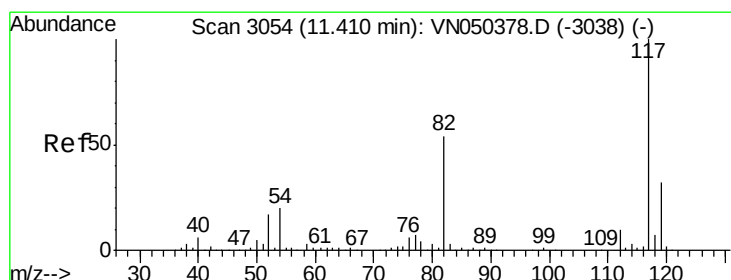
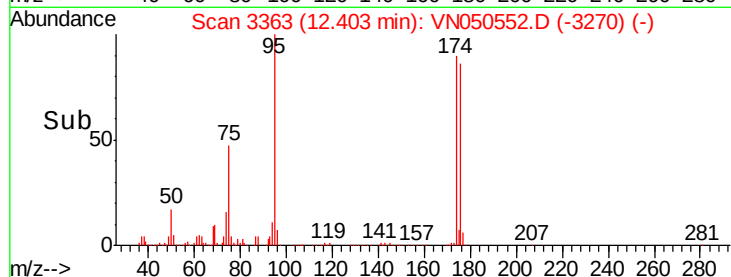
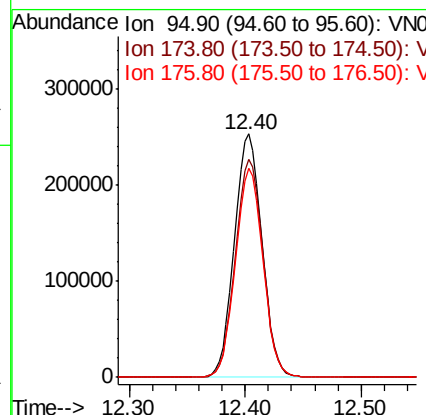
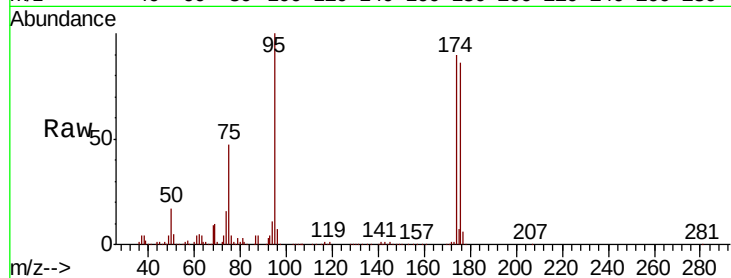




#62
4-Bromofluorobenzene
Concen: 38.32 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050552.D
Acq: 11 Aug 2018 6:13

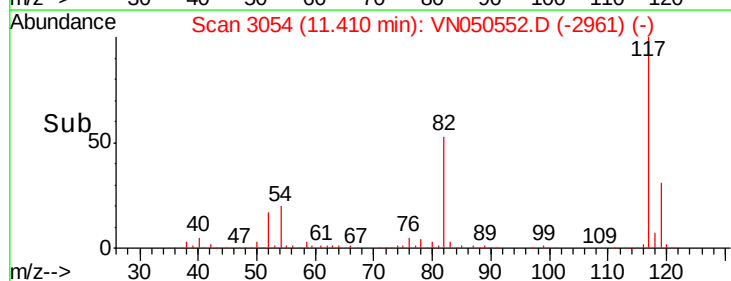
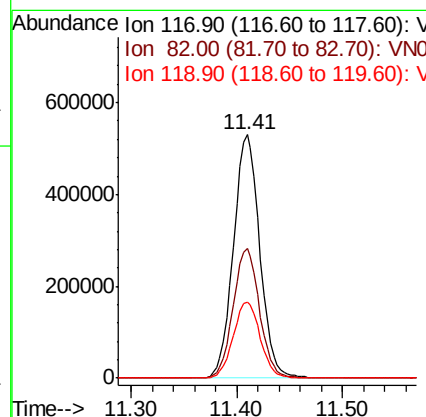
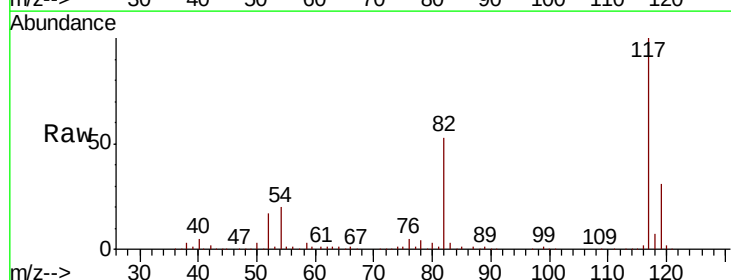
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-J

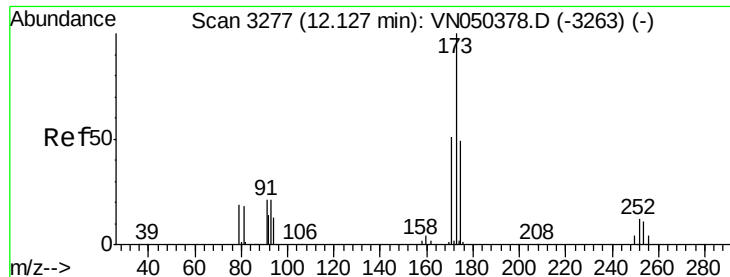
Tot Ion: 95 Resp: 415219
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.2
176 85.7 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050552.D
Acq: 11 Aug 2018 6:13

Tgt Ion: 117 Resp: 914055
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 31.4 26.1 39.1





#71

Bromoform

Concen: 0.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-J

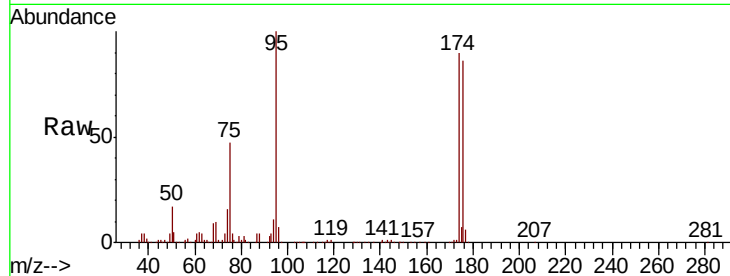
Tot Ion:173 Resp: 3235

Ion Ratio Lower Upper

173 100

175 740.4 24.1 72.2#

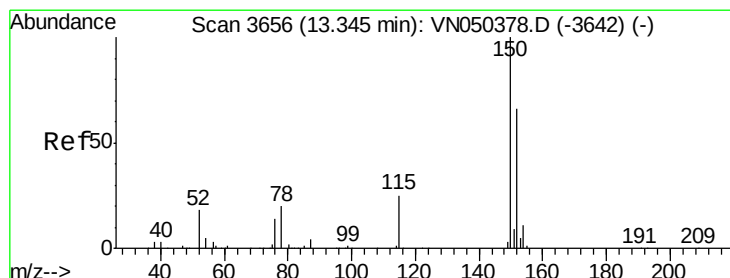
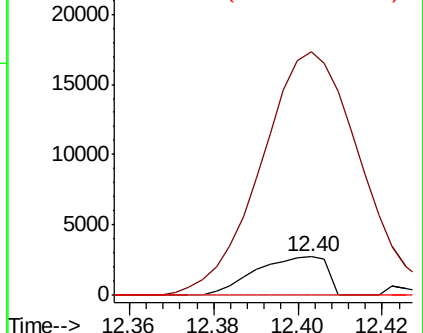
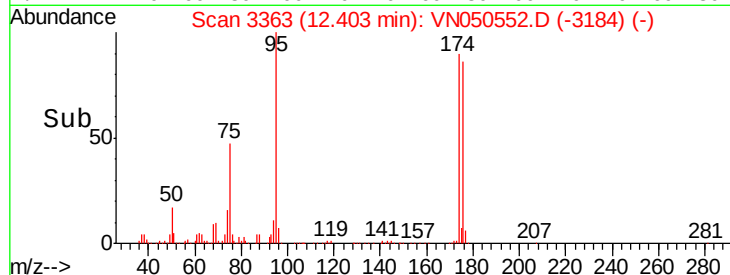
254 0.0 0.2 0.2#



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: VN050552.D

Acq: 11 Aug 2018 6:13

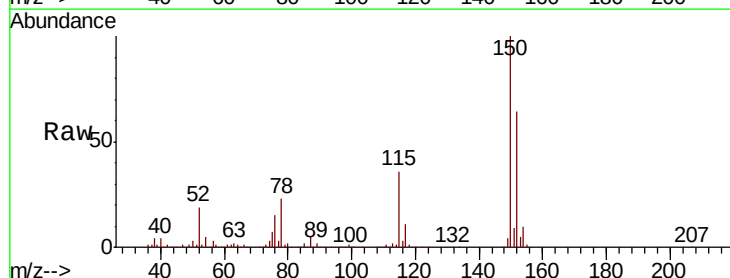
Tgt Ion:152 Resp: 355444

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

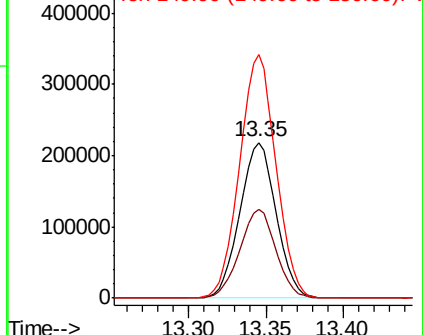
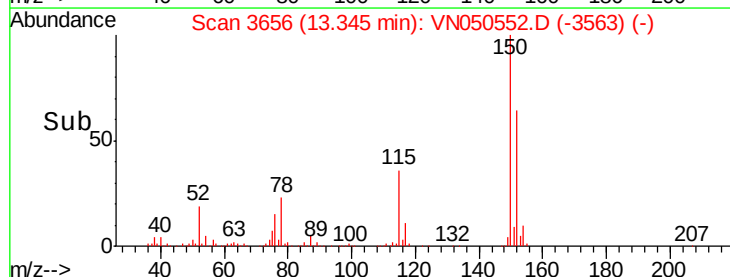
150 157.1 0.0 348.6

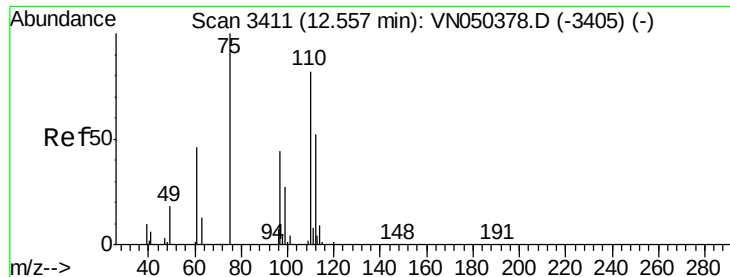


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

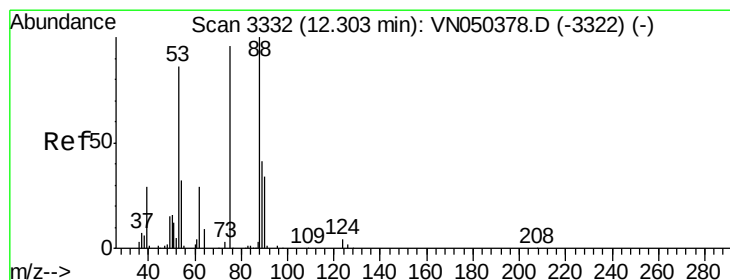
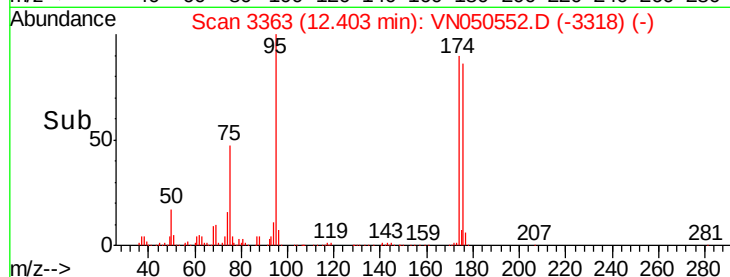
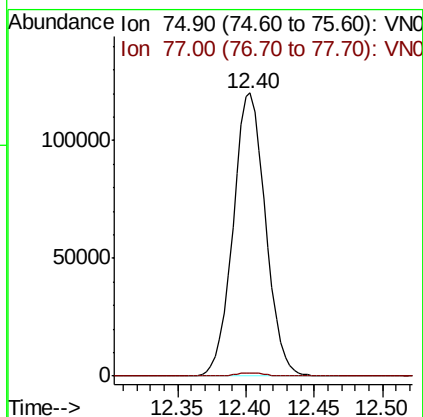
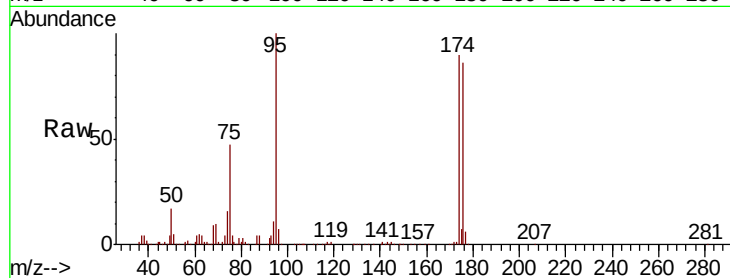
JC-03-080918-J

Tot Ion: 75 Resp: 198294

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.29 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

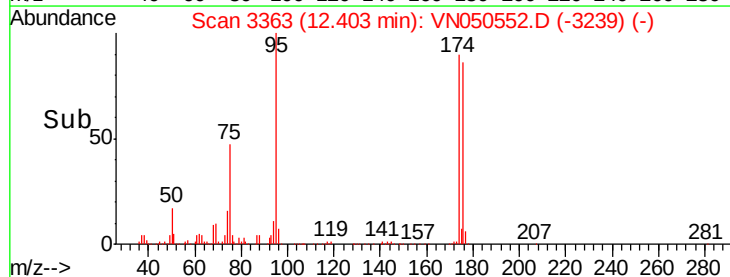
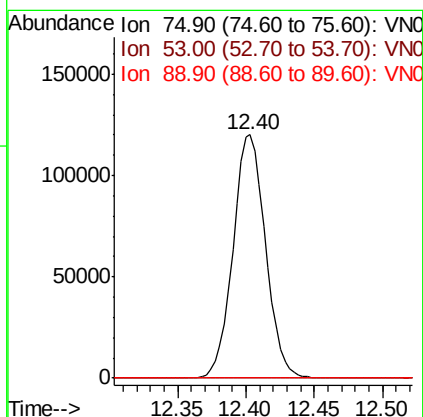
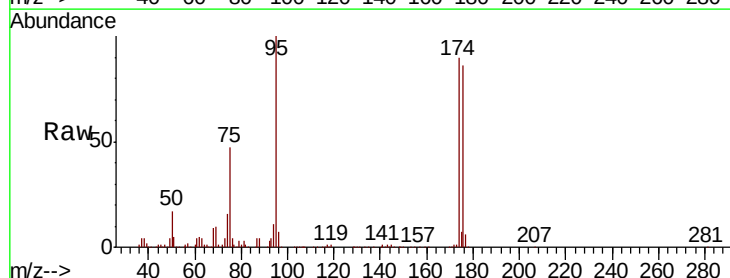
Tgt Ion: 75 Resp: 198294

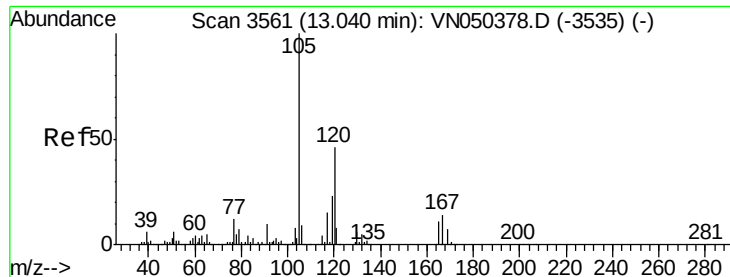
Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.34 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050552.D

Acq: 11 Aug 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

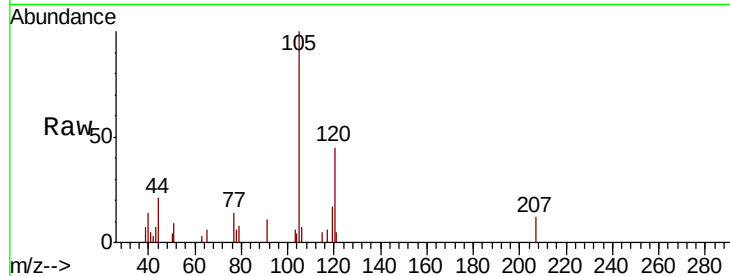
JC-03-080918-J

Tot Ion:105 Resp: 7553

Ion Ratio Lower Upper

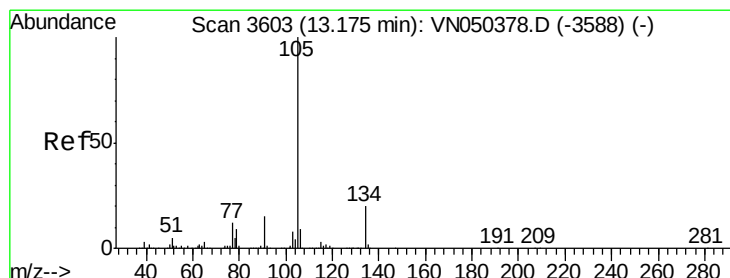
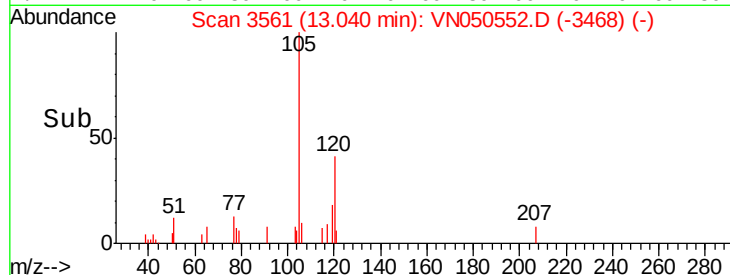
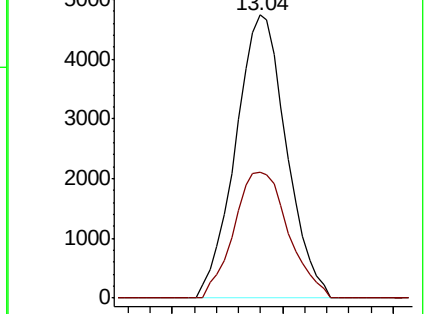
105 100

120 47.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.30 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.14 min

Lab File: VN050552.D

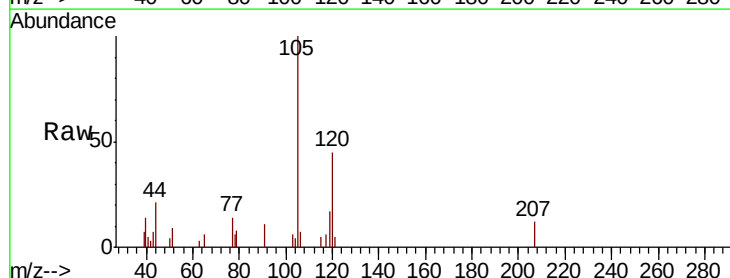
Acq: 11 Aug 2018 6:13

Tgt Ion:105 Resp: 7553

Ion Ratio Lower Upper

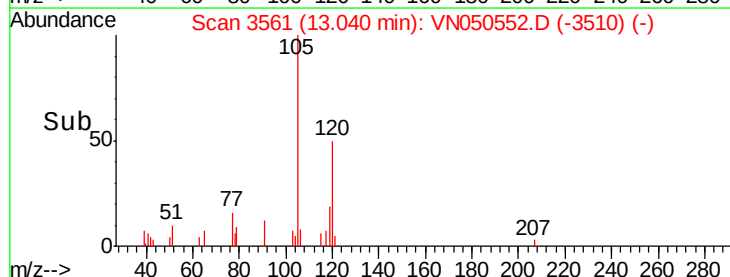
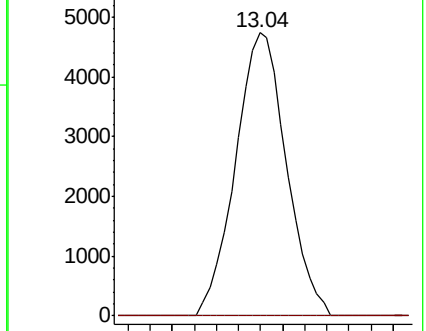
105 100

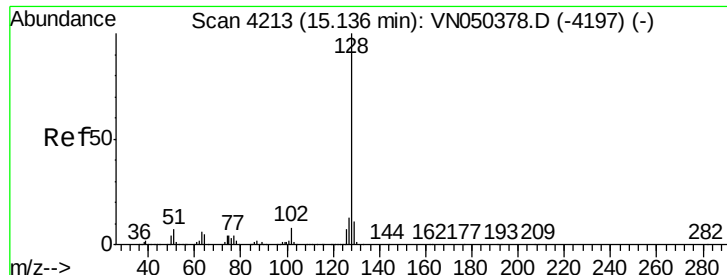
134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#95
 Naphthalene
 Concen: 5.16 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050552.D
 Acq: 11 Aug 2018 6:13

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-J

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.3	8.8	13.2

