

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050551.D
 Acq On : 11 Aug 2018 5:48
 Operator : MD\SY
 Sample : J4272-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Aug 11 06:44:12 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	613593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1015830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	843549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288122	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	420251	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	385961	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	10.09	98	1380328	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.40	95	366584	35.10	ug/l	0.00
Spiked Amount			Recovery	=	70.20%	

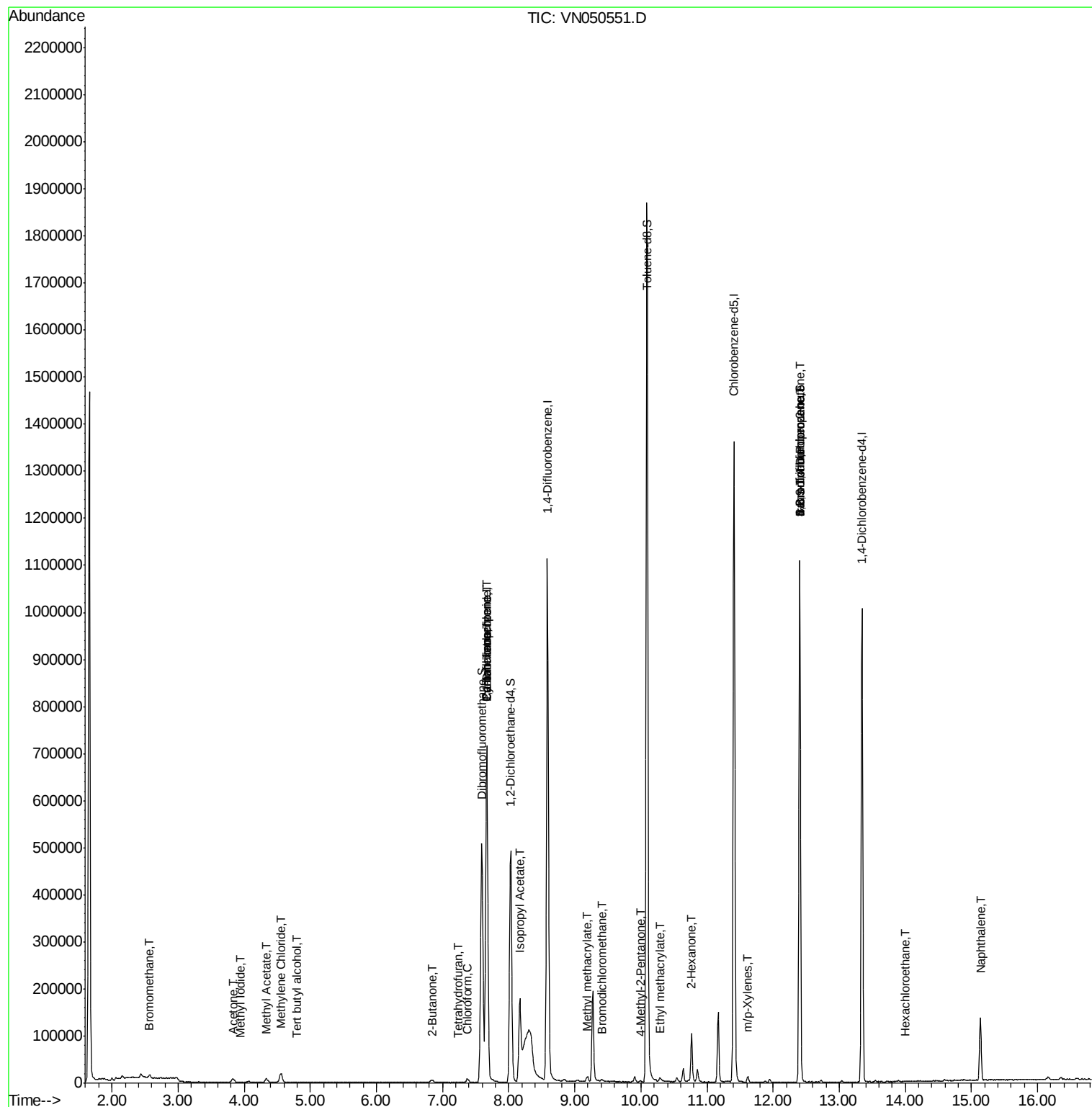
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2857	Below Cal		99
5) Bromomethane	2.57	94	3420	0.97 ug/l		97
10) Methyl Iodide	3.95	142	795	0.26 ug/l #		51
11) Tert butyl alcohol	4.79	59	693	1.05 ug/l #		72
16) Acetone	3.83	43	15793	6.11 ug/l		100
18) Methyl Acetate	4.33	43	16147	2.36 ug/l		91
20) Methylene Chloride	4.55	84	15341	0.52 ug/l		95
25) 2-Butanone	6.84	43	1553	0.38 ug/l		90
29) Tetrahydrofuran	7.22	42	834	0.38 ug/l #		45
30) Chloroform	7.37	83	8877	0.66 ug/l		96
31) Cyclohexane	7.67	56	11468	0.35 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	42906	3.84 ug/l #		43
38) Carbon Tetrachloride	7.67	117	54663	4.69 ug/l #		16
43) Isopropyl Acetate	8.17	43	217741	15.69 ug/l		97
47) Bromodichloromethane	9.41	83	2363	0.20 ug/l #		85
48) Methyl methacrylate	9.18	41	6870	0.99 ug/l #		20
51) 4-Methyl-2-Pentanone	9.99	43	2228	0.22 ug/l #		71
56) Ethyl methacrylate	10.28	69	63	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	13745	1.97 ug/l #		61
68) m/p-Xylenes	11.62	106	3029	0.23 ug/l		80
71) Bromoform	12.40	173	1208	0.21 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	175967	33.74 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	175967	118.55 ug/l #		13
90) Hexachloroethane	14.00	117	641	0.21 ug/l #		4
95) Naphthalene	15.14	128	119030	11.53 ug/l		99

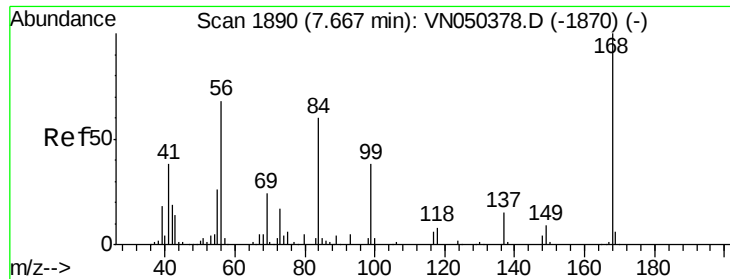
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050551.D

Acq: 11 Aug 2018 5:48

Instrument :

MSVOA_N

ClientSampleId :

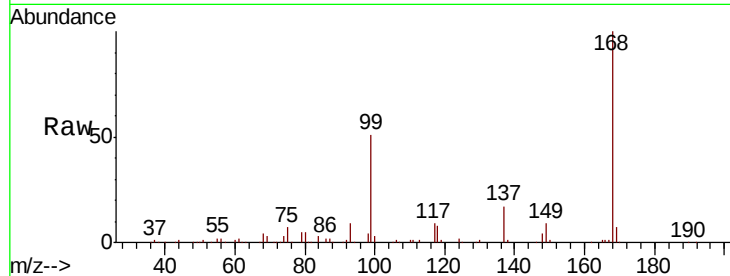
JC-03-080918-I

Tot Ion:168 Resp: 613593

Ion Ratio Lower Upper

168 100

99 50.8 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

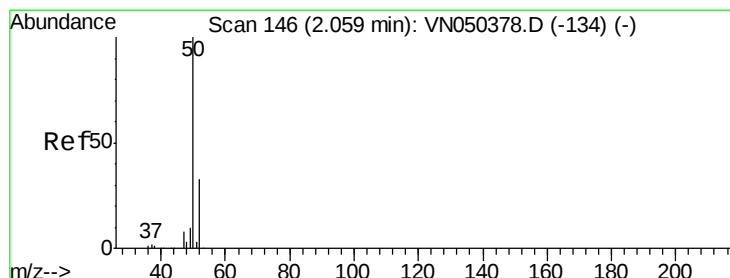
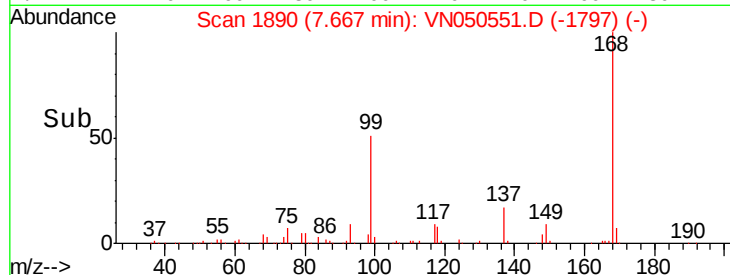
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050551.D

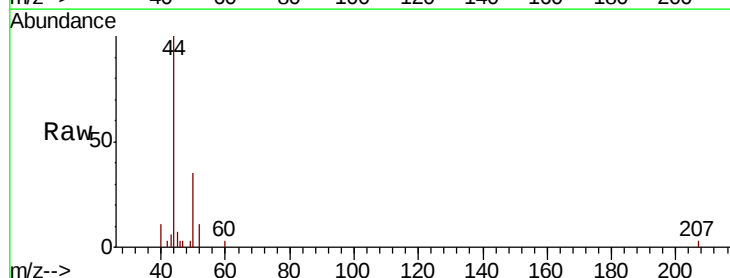
Acq: 11 Aug 2018 5:48

Tgt Ion: 50 Resp: 2857

Ion Ratio Lower Upper

50 100

52 31.8 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

2500

2000

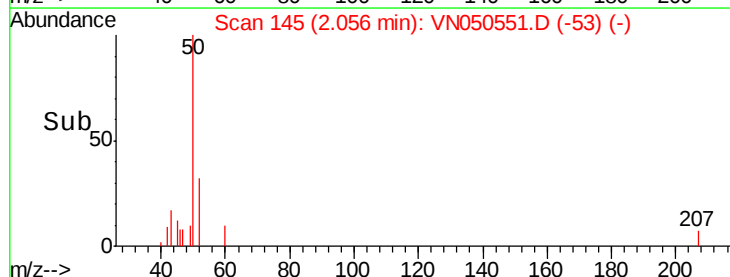
1500

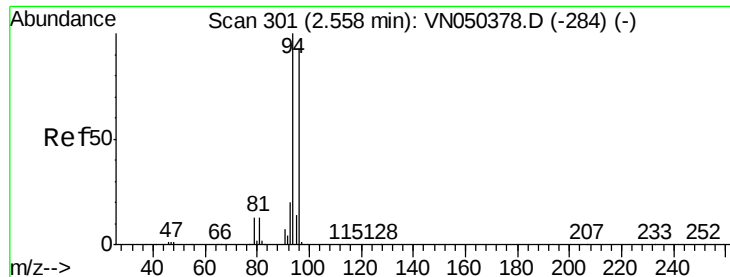
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.97 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

Instrument :

MSVOA_N

ClientSampleId :

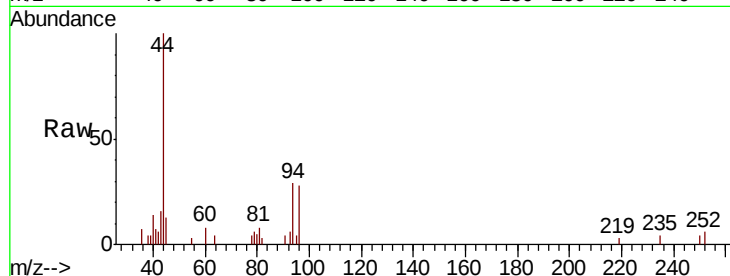
JC-03-080918-I

Tot Ion: 94 Resp: 3420

Ion Ratio Lower Upper

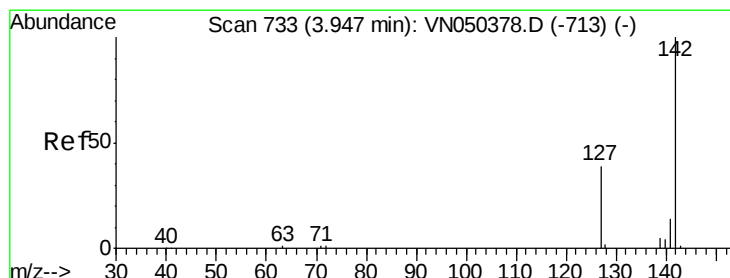
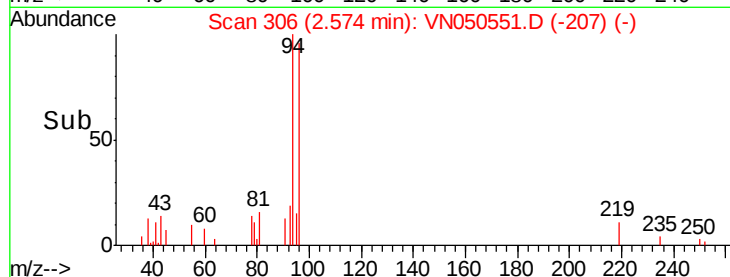
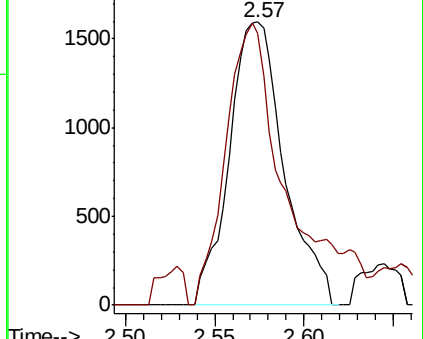
94 100

96 95.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

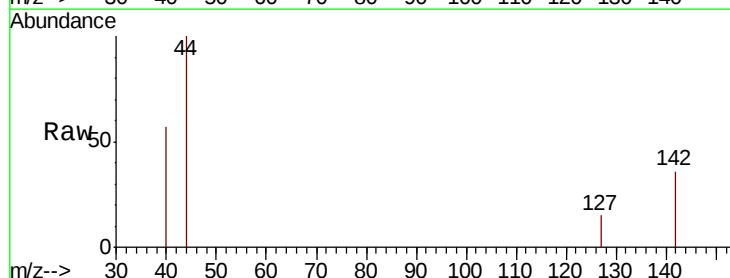
Tgt Ion: 142 Resp: 795

Ion Ratio Lower Upper

142 100

127 7.7 33.4 50.2#

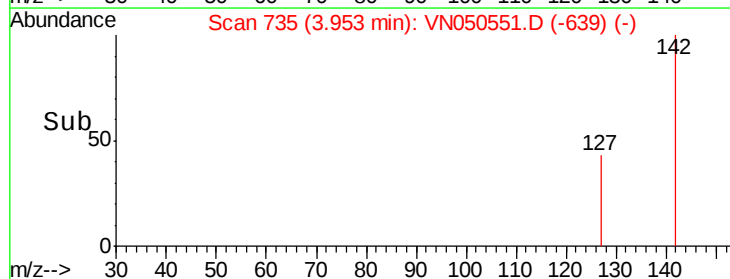
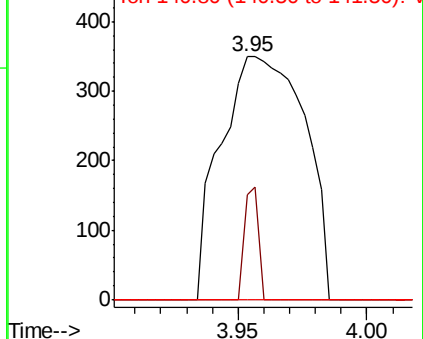
141 0.0 11.6 17.4#

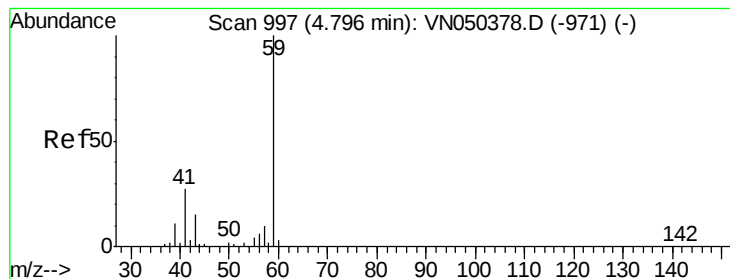


Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)



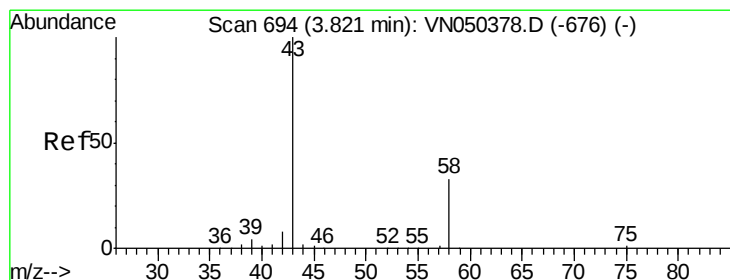
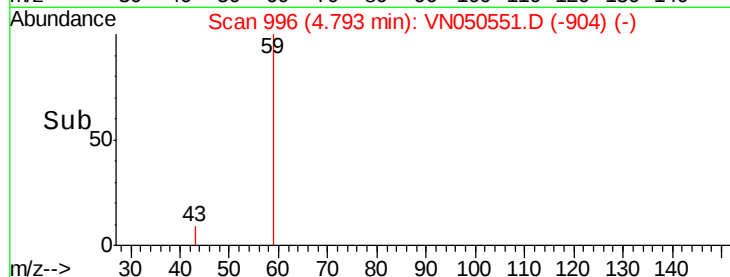
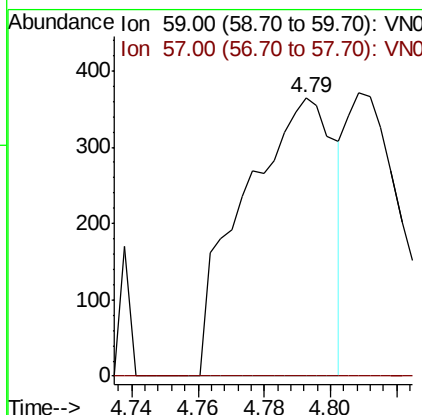
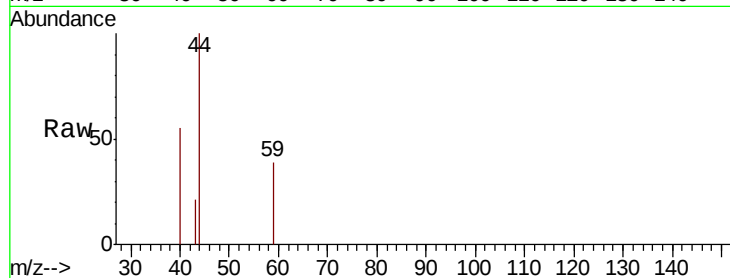


#11

Tert butyl alcohol
 Concen: 1.05 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050551.D
 Acq: 11 Aug 2018 5:48

Instrument :
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 JC-03-080918-I

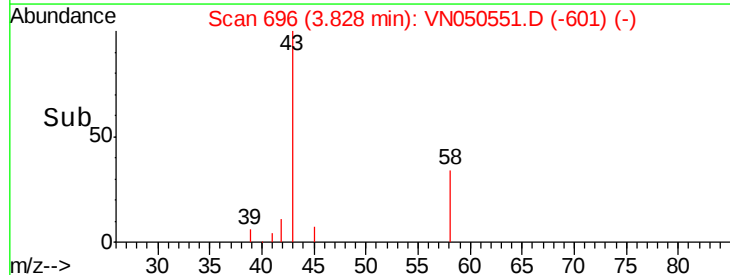
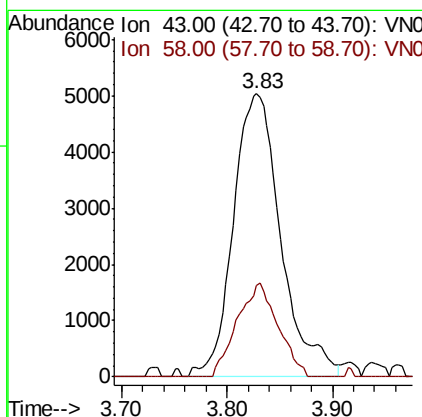
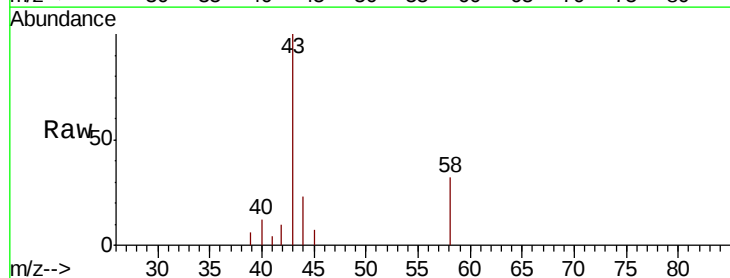
Tot Ion: 59 Resp: 693
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

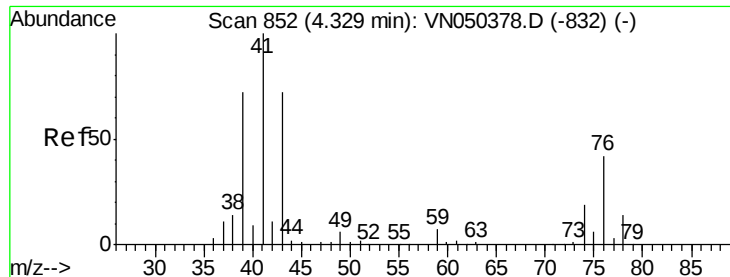


#16

Acetone
 Concen: 6.11 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050551.D
 Acq: 11 Aug 2018 5:48

Tgt Ion: 43 Resp: 15793
 Ion Ratio Lower Upper
 43 100
 58 32.5 25.8 38.8

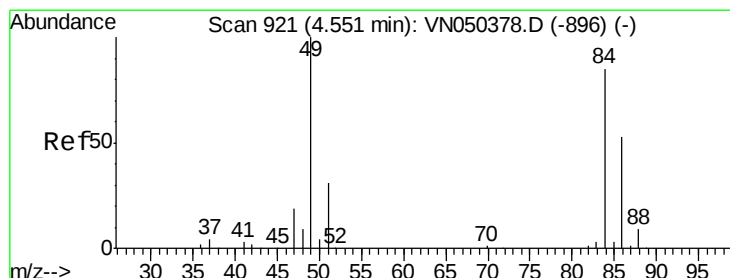
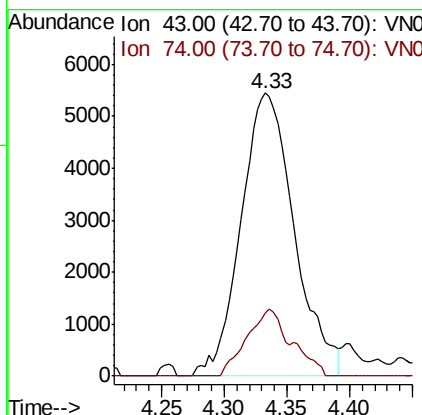
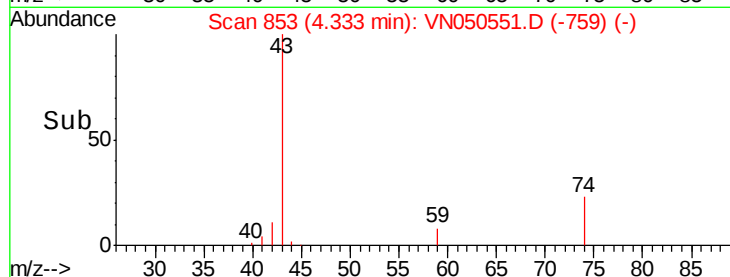
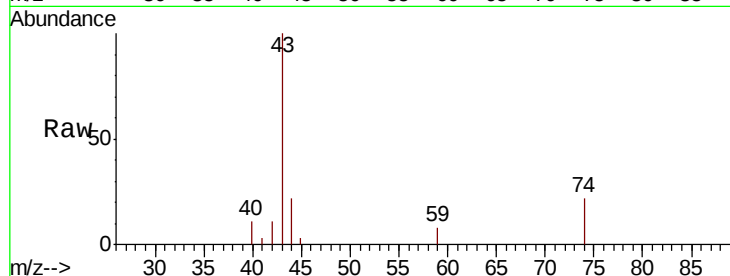




#18
Methyl Acetate
Concen: 2.36 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

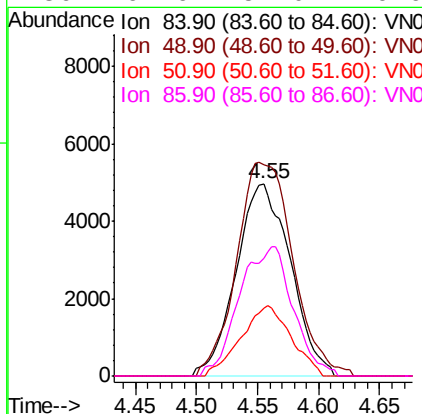
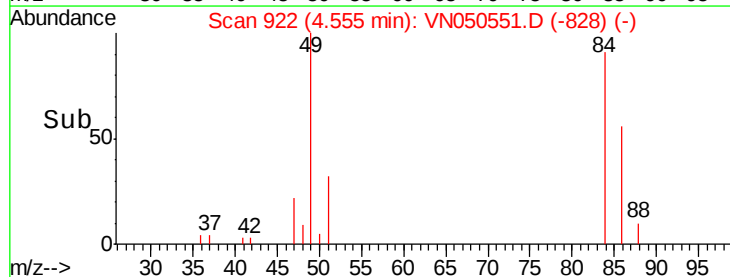
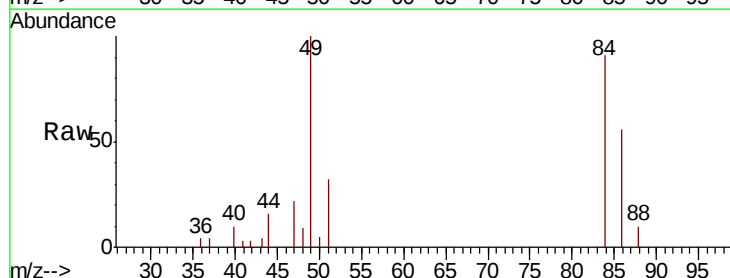
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-I

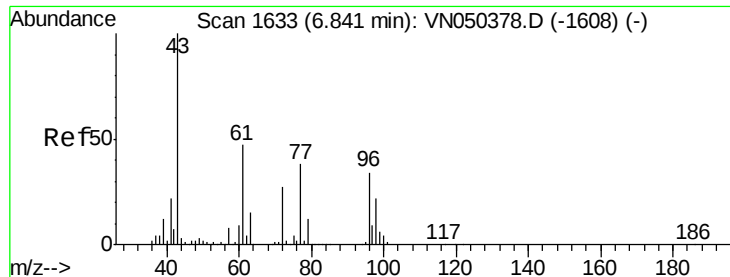
Tot Ion: 43 Resp: 16147
Ion Ratio Lower Upper
43 100
74 19.8 19.2 28.8



#20
Methylene Chloride
Concen: 0.52 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 84 Resp: 15341
Ion Ratio Lower Upper
84 100
49 110.2 94.8 142.2
51 35.0 28.3 42.5
86 61.6 51.0 76.6

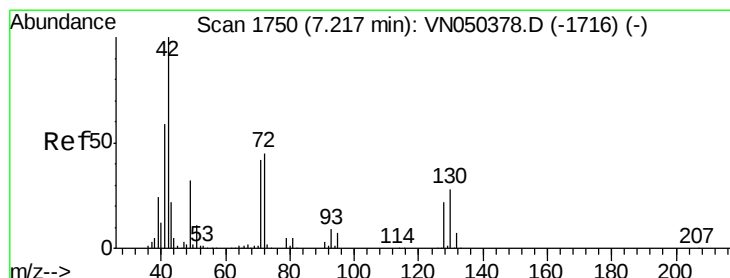
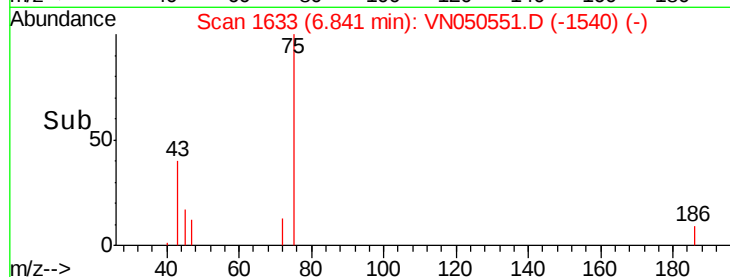
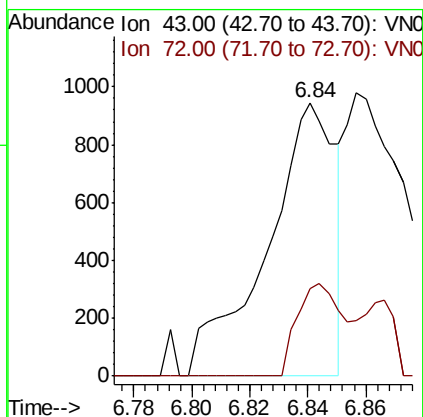
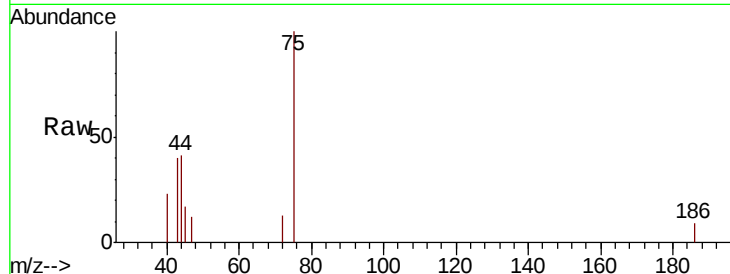




#25
2-Butanone
Concen: 0.38 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

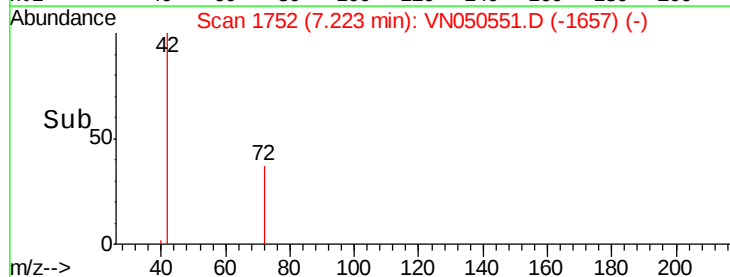
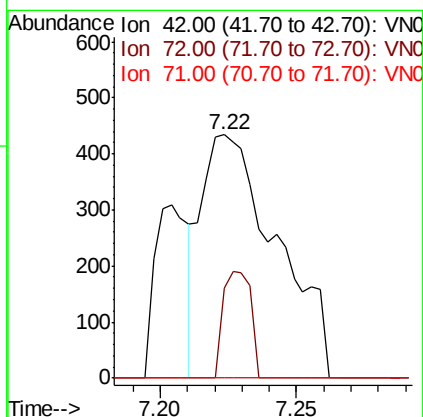
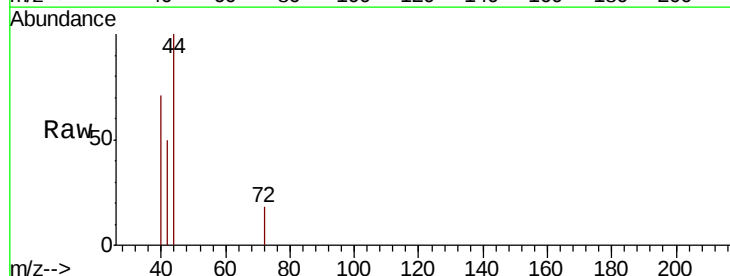
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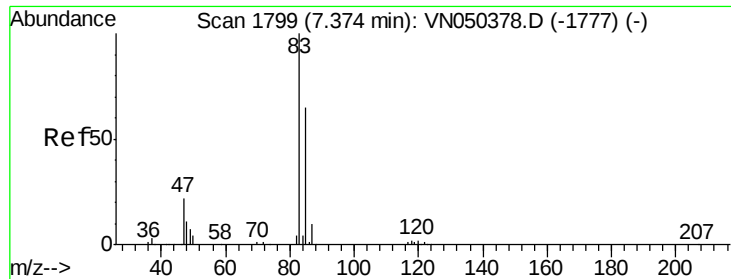
Tot Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
72 32.0 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 42 Resp: 834
Ion Ratio Lower Upper
42 100
72 16.3 35.9 53.9#
71 0.0 33.7 50.5#

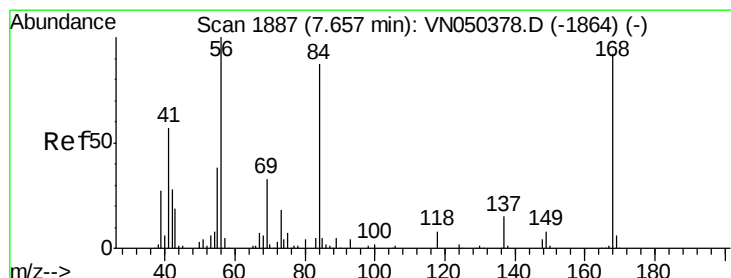
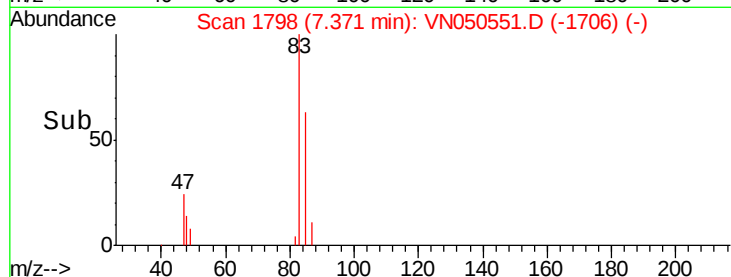
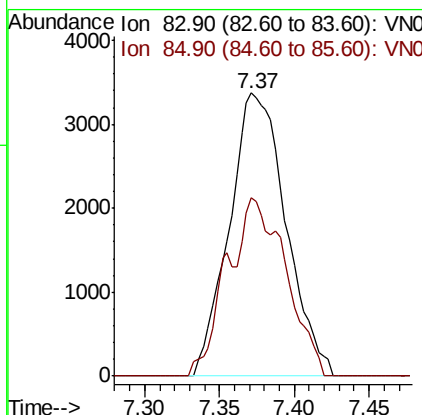
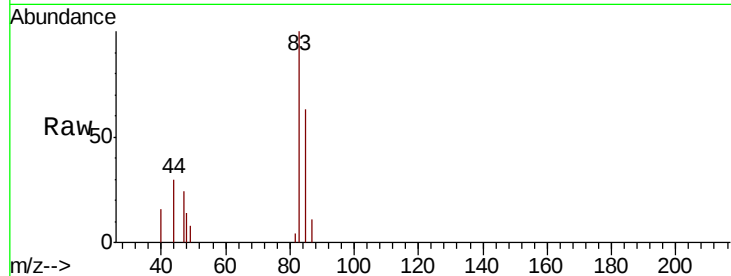




#30
Chloroform
Concen: 0.66 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

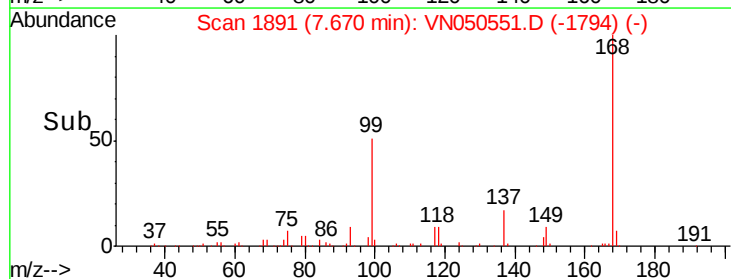
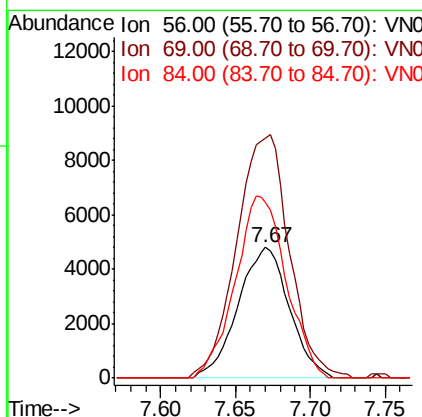
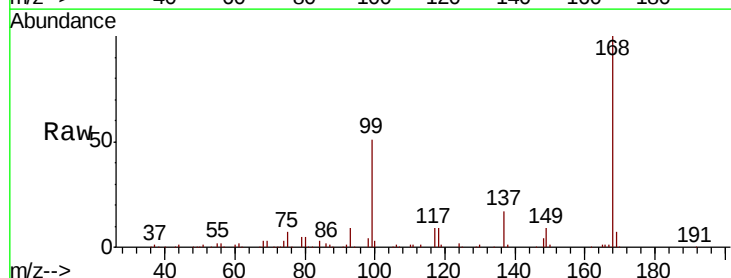
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JC-03-080918-I

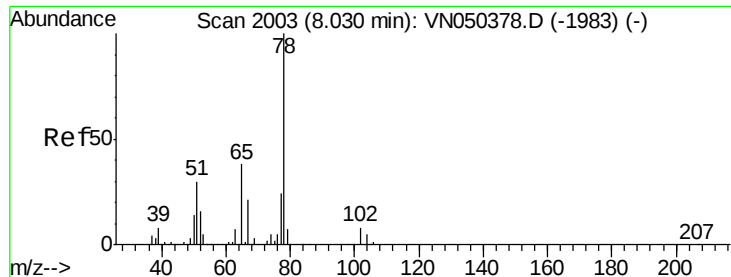
Tot Ion: 83 Resp: 8877
Ion Ratio Lower Upper
83 100
85 62.8 52.5 78.7



#31
Cyclohexane
Concen: 0.35 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 56 Resp: 11468
Ion Ratio Lower Upper
56 100
69 183.4 26.2 39.4#
84 134.4 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.26 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

Instrument :

MSVOA_N

ClientSampleId :

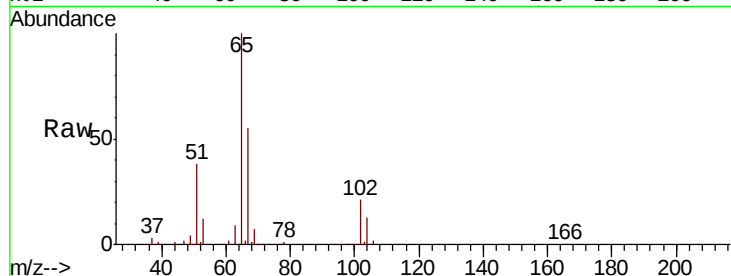
JC-03-080918-I

Tot Ion: 65 Resp: 420251

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

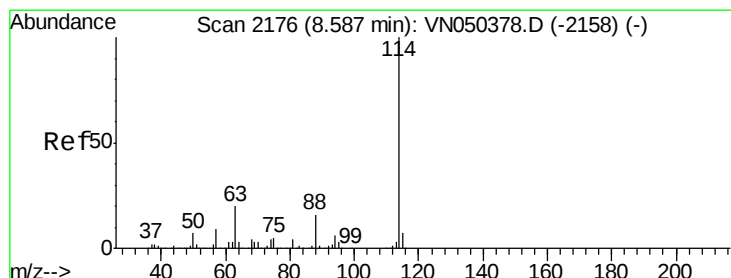
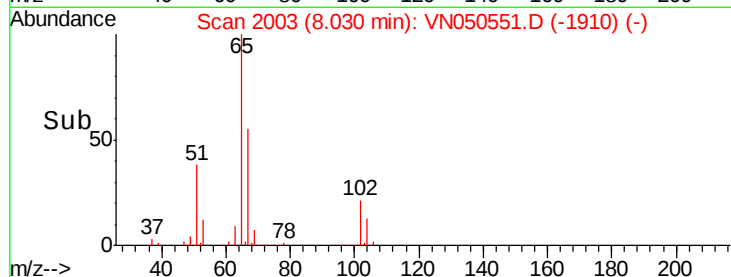
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

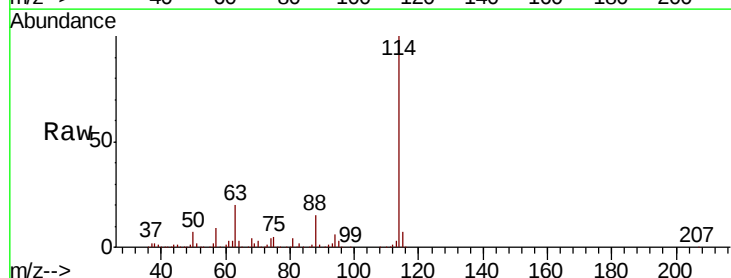
Tgt Ion: 114 Resp: 1015830

Ion Ratio Lower Upper

114 100

63 19.5 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): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

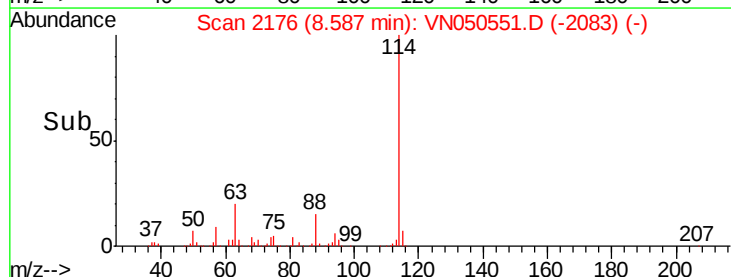
600000

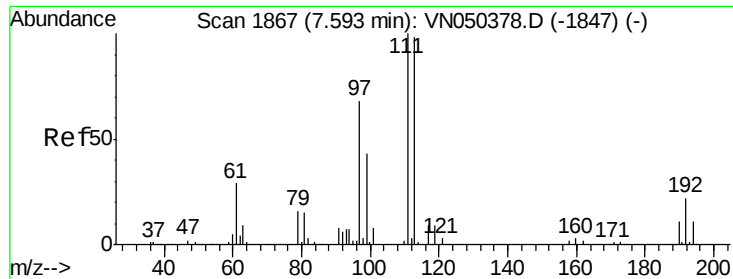
400000

200000

0

Time--> 8.50 8.60 8.70 8.80

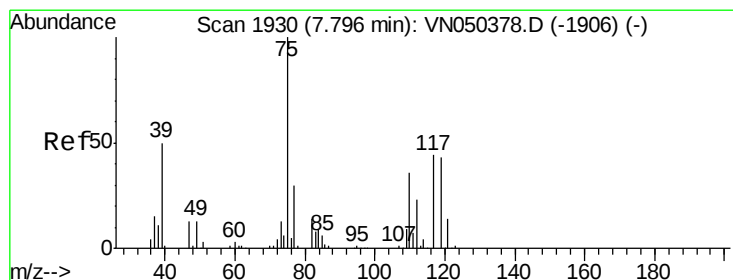
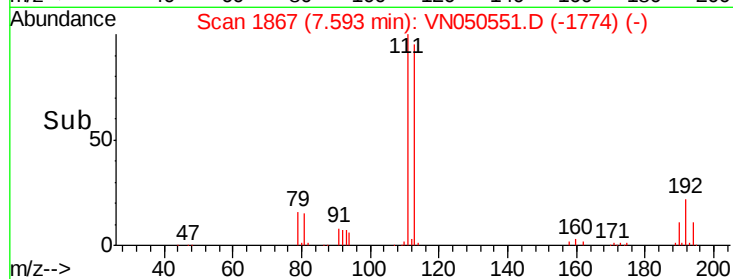
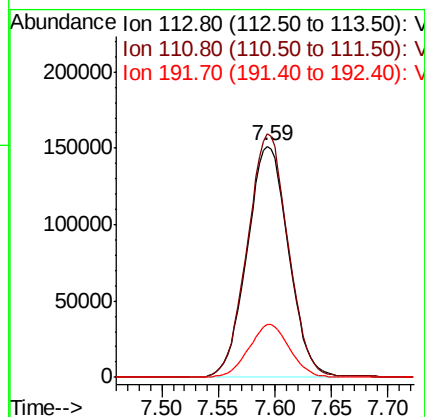
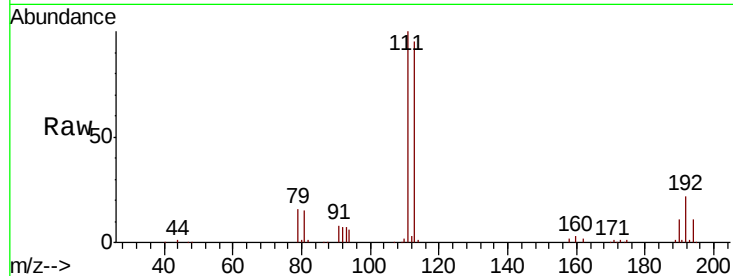




#35
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050551.D
 Acq: 11 Aug 2018 5:48

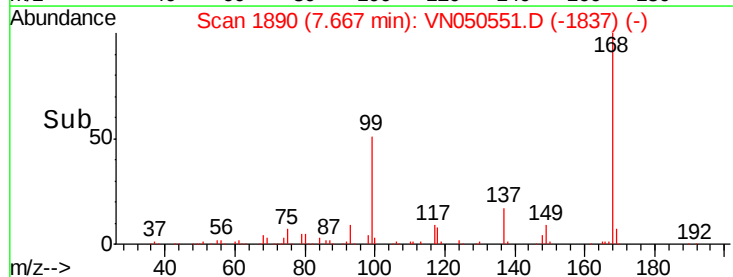
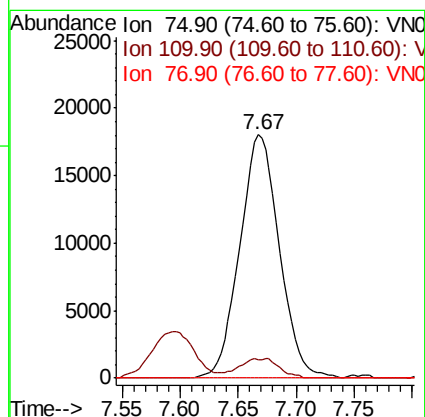
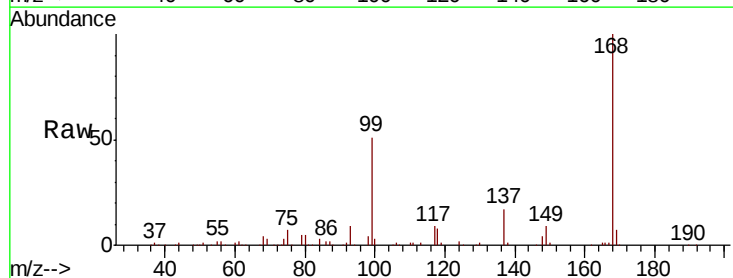
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-I

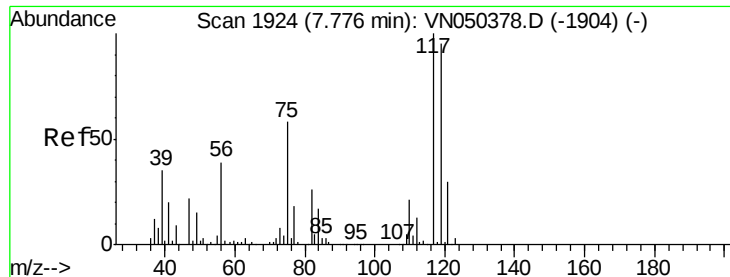
Tot Ion:113 Resp: 385961
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.7 121.1
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050551.D
 Acq: 11 Aug 2018 5:48

Tgt Ion: 75 Resp: 42906
 Ion Ratio Lower Upper
 75 100
 110 3.0 18.4 55.2#
 77 0.0 25.3 37.9#

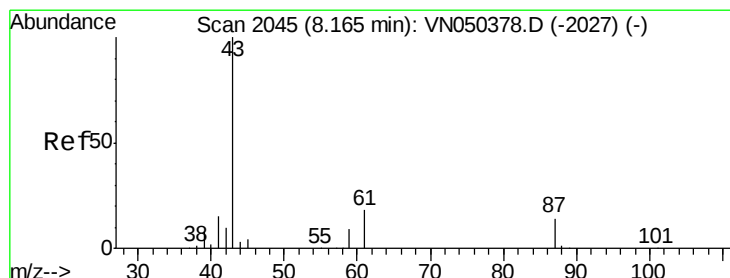
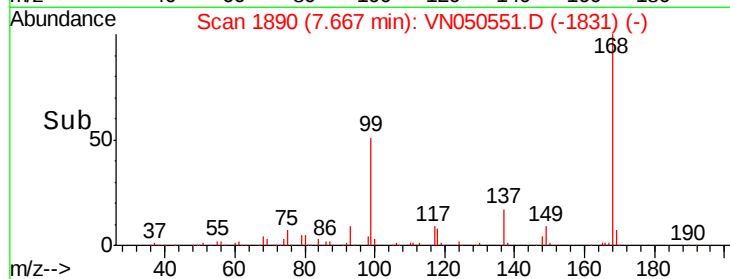
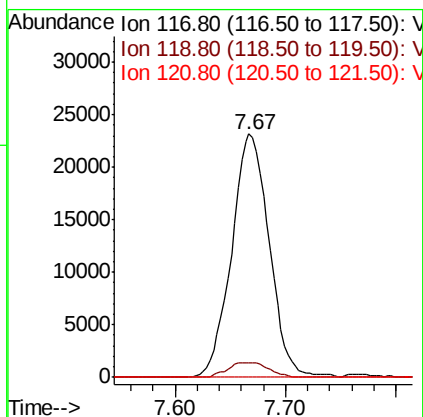
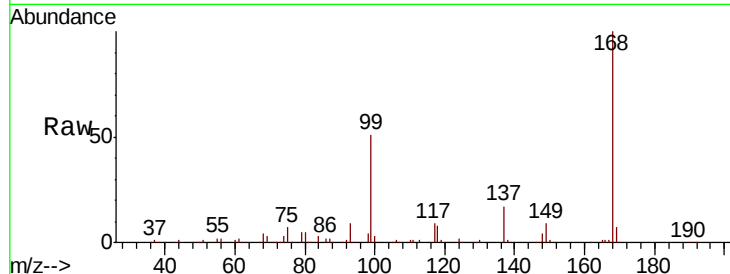




#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

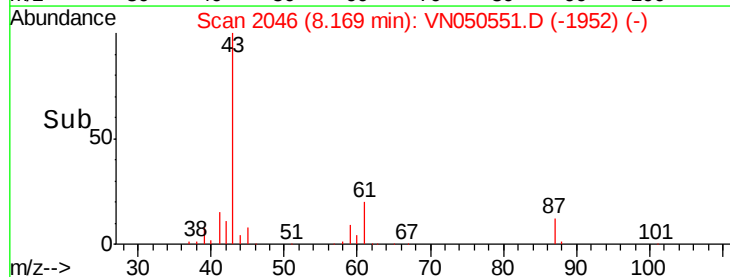
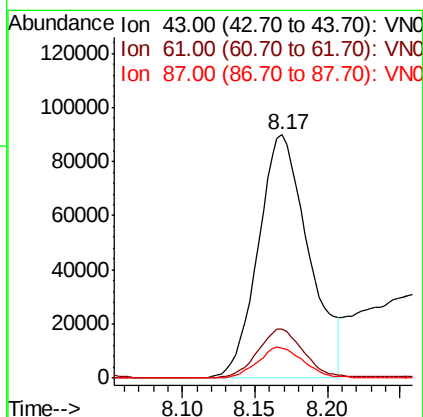
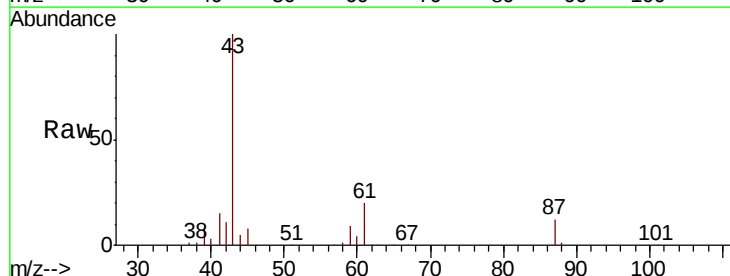
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-I

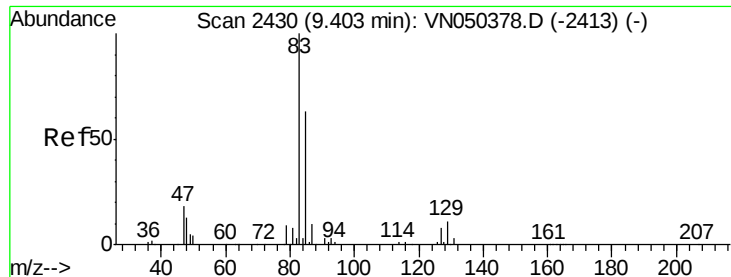
Tot Ion:117 Resp: 54663
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 15.69 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 43 Resp: 217741
Ion Ratio Lower Upper
43 100
61 18.3 15.8 23.6
87 11.7 10.3 15.5





#47

Bromodichloromethane

Concen: 0.20 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-I

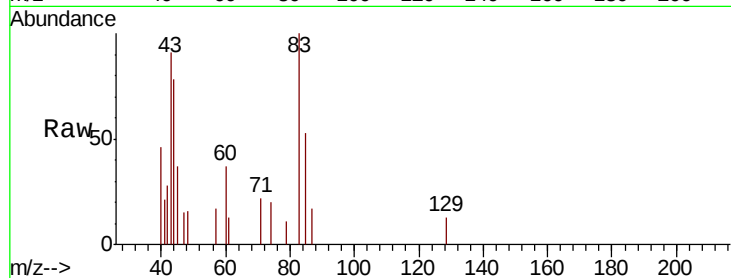
Tot Ion: 83 Resp: 2363

Ion Ratio Lower Upper

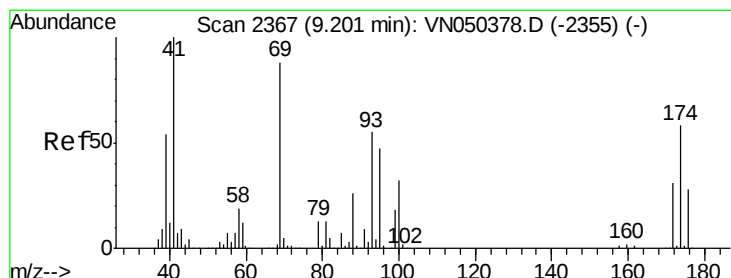
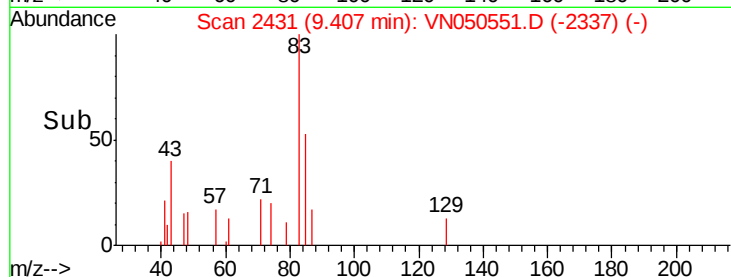
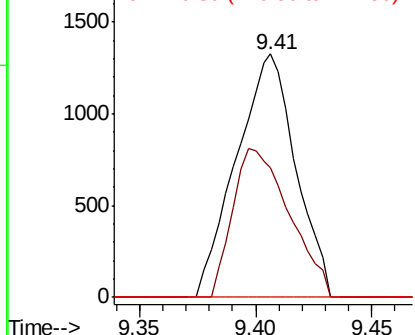
83 100

85 53.4 51.1 76.7

127 0.0 7.0 10.4#



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.99 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

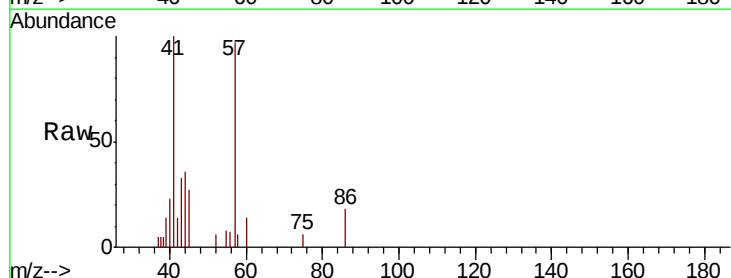
Tgt Ion: 41 Resp: 6870

Ion Ratio Lower Upper

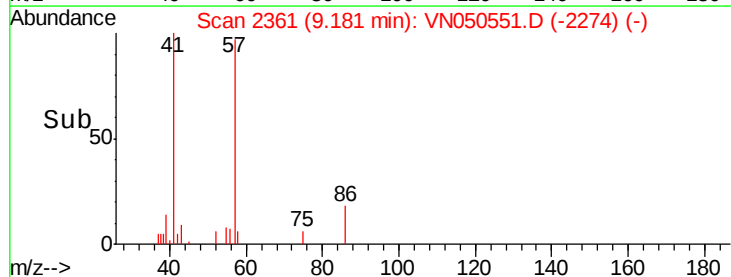
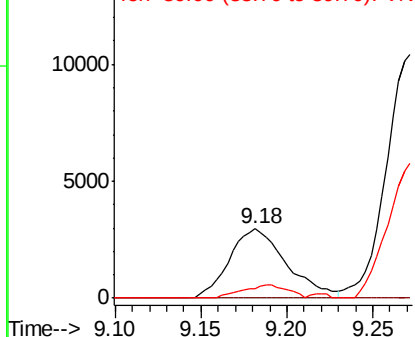
41 100

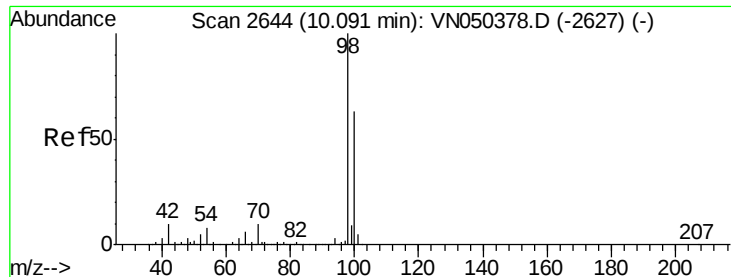
69 0.0 70.6 105.8#

39 14.9 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

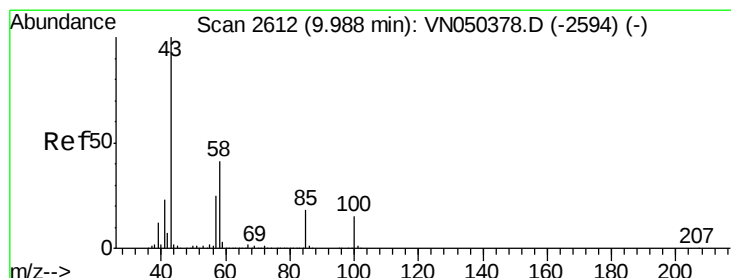
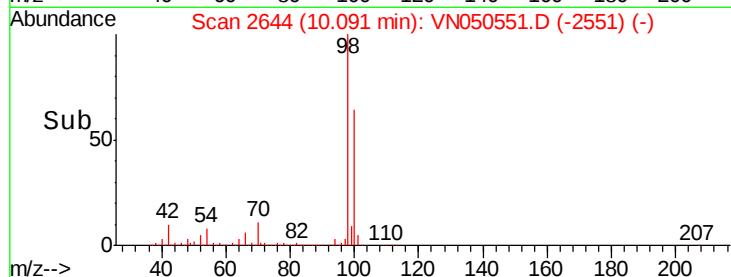
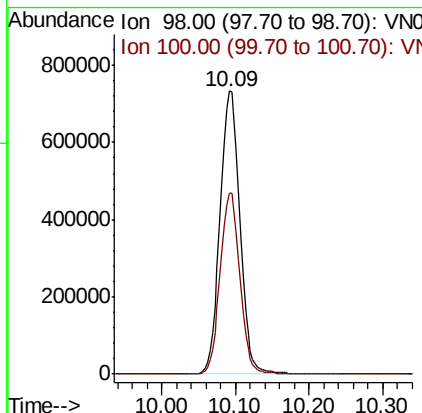
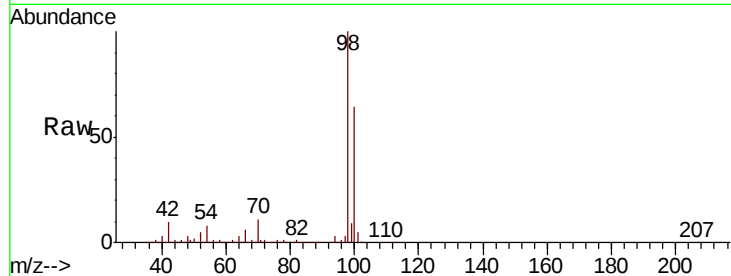




#50
Toluene-d8
Concen: 45.04 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

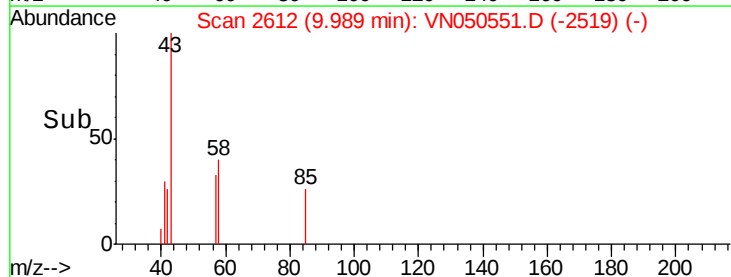
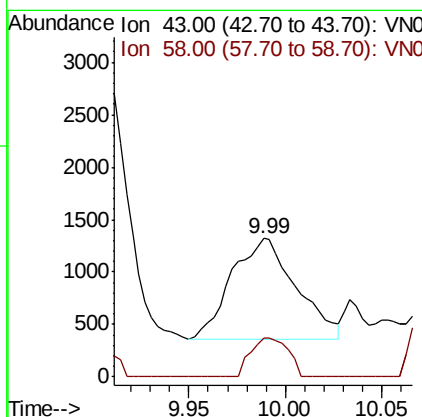
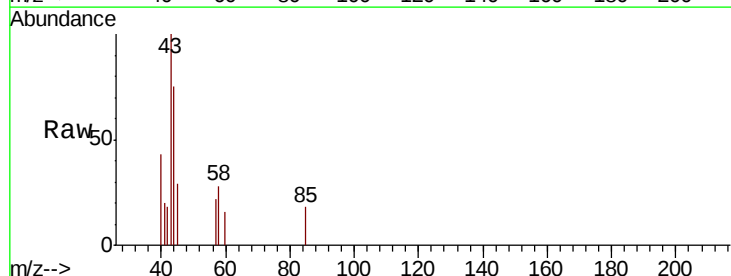
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-I

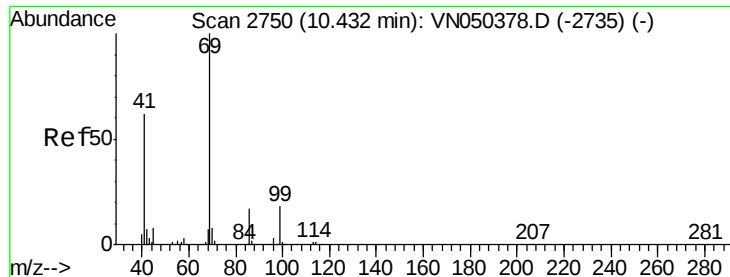
Tot Ion: 98 Resp: 1380328
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
58 22.2 31.9 47.9#

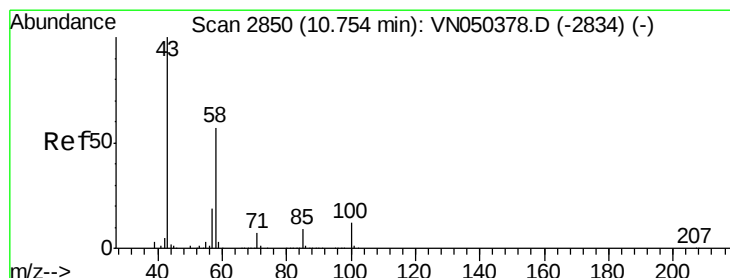
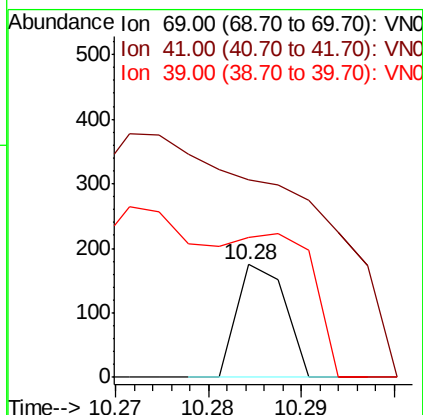
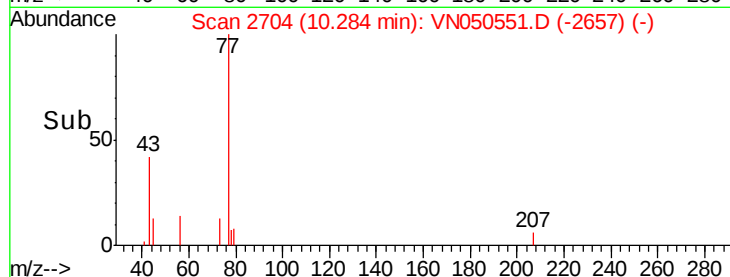
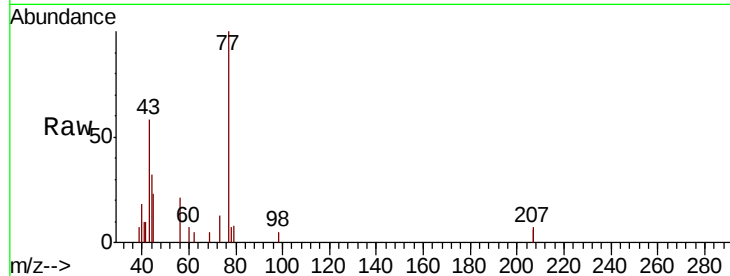




#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.28 min Scan# 2704
Delta R.T. -0.15 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

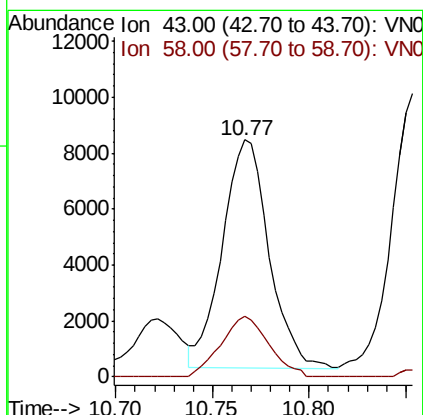
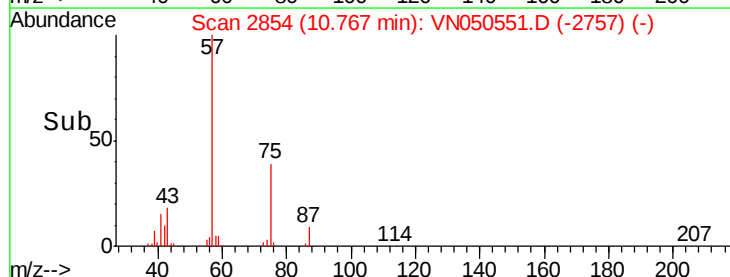
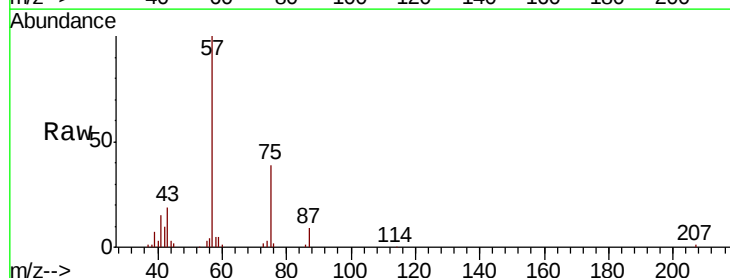
Instrument :
MSVOA_N
ClientSampled :
JC-03-080918-I

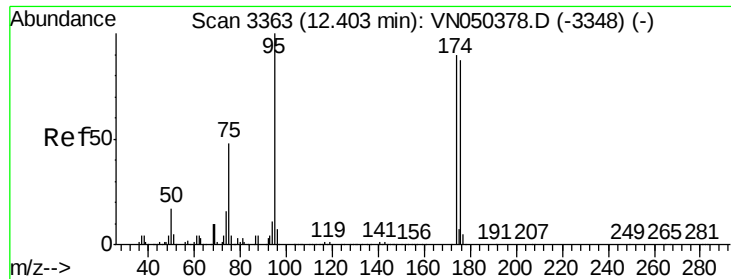
Tot Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 1044.4 51.0 76.4#
39 400.0 26.6 40.0#



#59
2-Hexanone
Concen: 1.97 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 43 Resp: 13745
Ion Ratio Lower Upper
43 100
58 27.0 27.6 82.7#

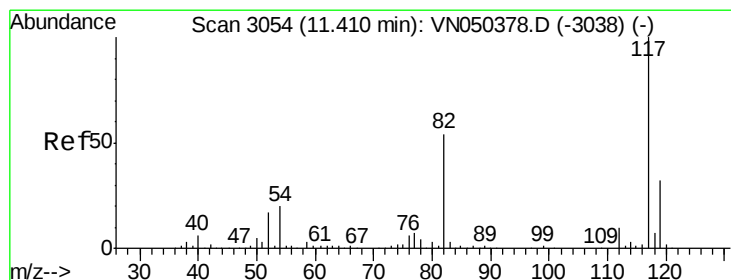
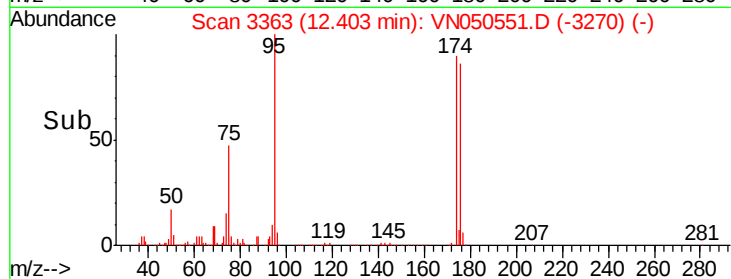
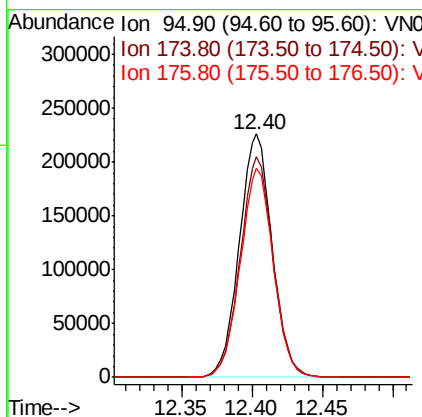
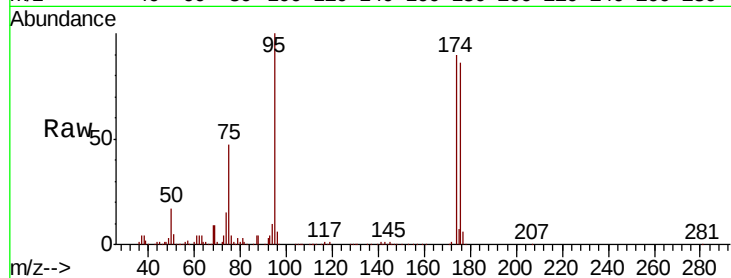




#62
4-Bromofluorobenzene
Concen: 35.10 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

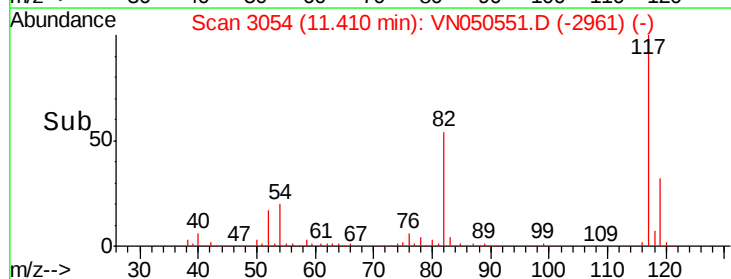
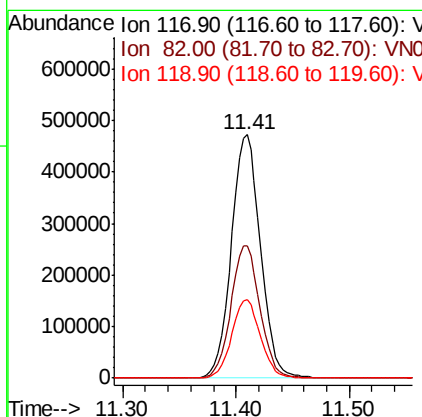
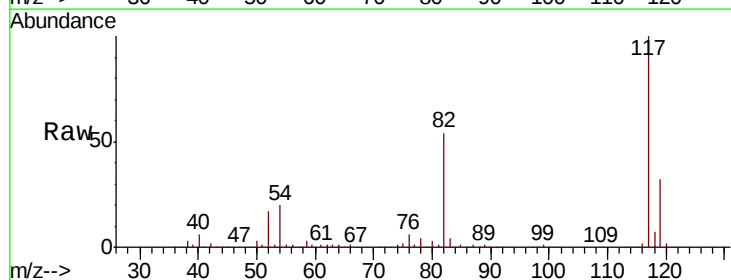
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-I

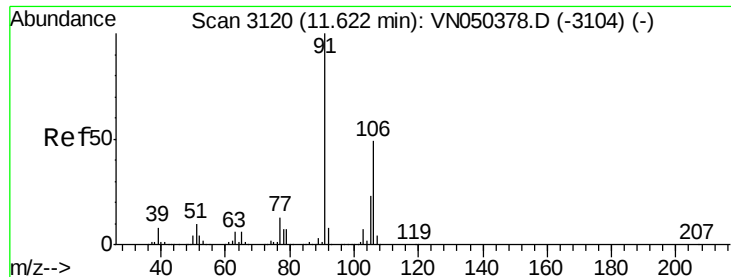
Tot Ion: 95 Resp: 366584
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 87.0 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 117 Resp: 843549
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.1 26.1 39.1





#68

m/p-Xvlenes

Concen: 0.23 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. -0.01 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

Instrument :

MSVOA_N

ClientSampleId :

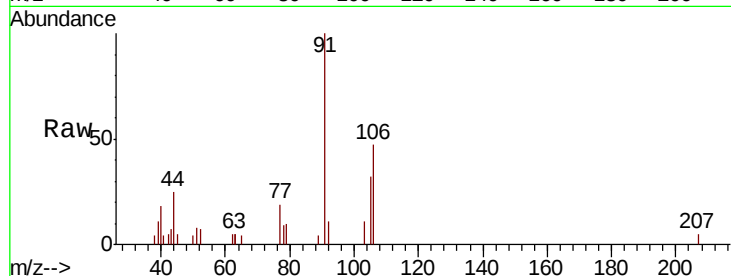
JC-03-080918-I

Tot Ion:106 Resp: 3029

Ion Ratio Lower Upper

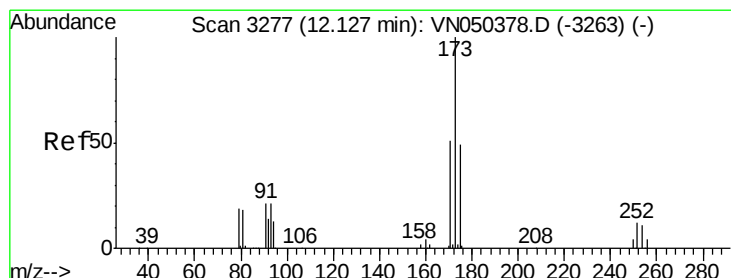
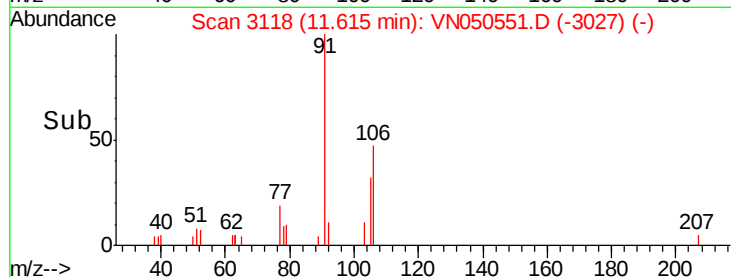
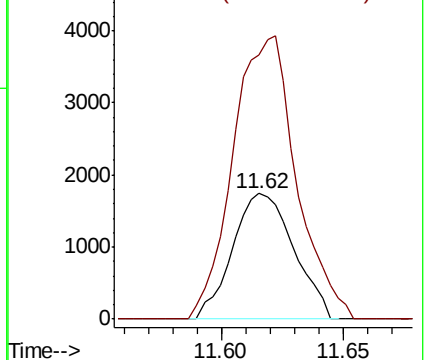
106 100

91 233.6 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.21 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN050551.D

Acq: 11 Aug 2018 5:48

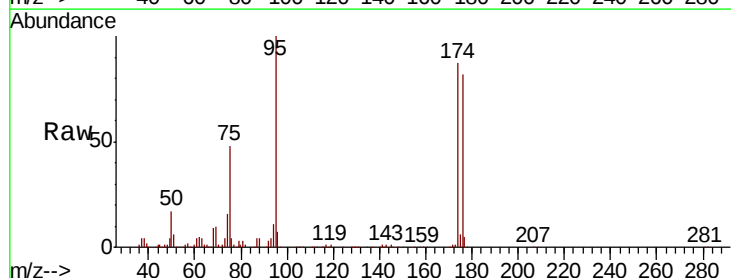
Tgt Ion:173 Resp: 1208

Ion Ratio Lower Upper

173 100

175 1738.9 24.1 72.2#

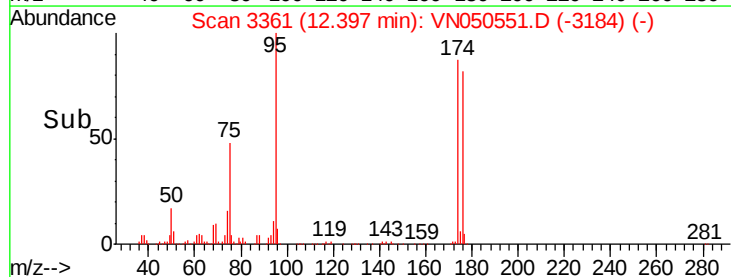
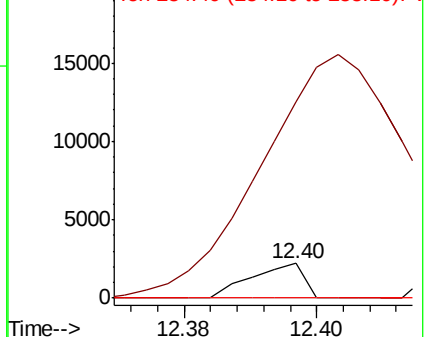
254 0.0 0.2 0.2#

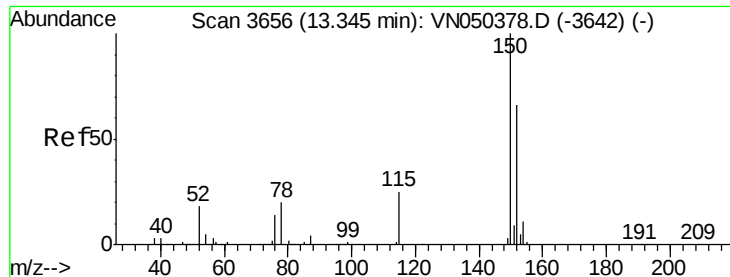


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN050551.D

Acq: 11 Aug 2018 5:48

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-I

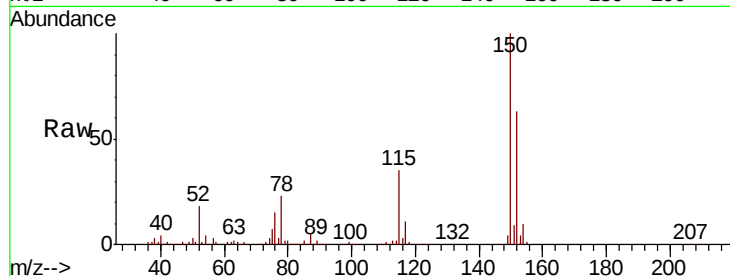
Tot Ion:152 Resp: 288122

Ion Ratio Lower Upper

152 100

115 57.0 27.8 83.3

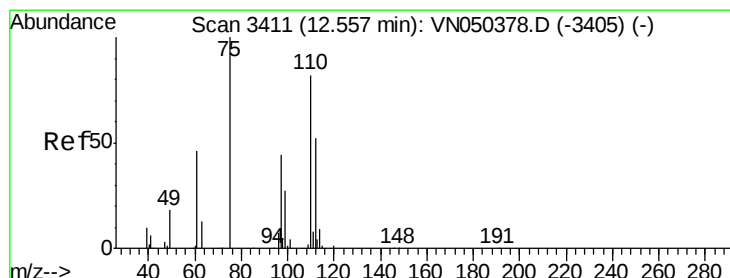
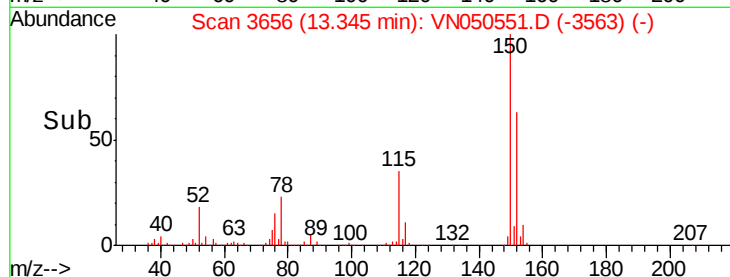
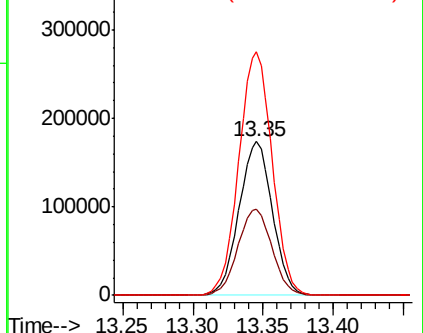
150 158.4 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 33.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050551.D

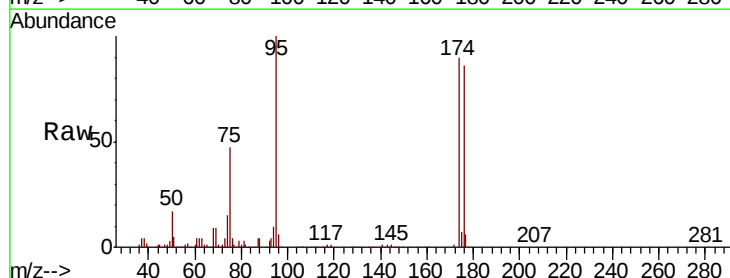
Acq: 11 Aug 2018 5:48

Tgt Ion: 75 Resp: 175967

Ion Ratio Lower Upper

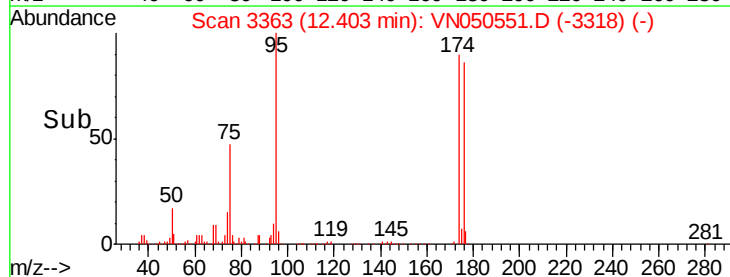
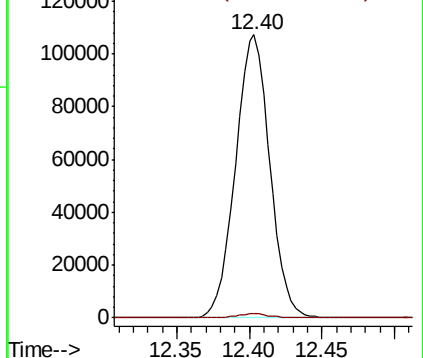
75 100

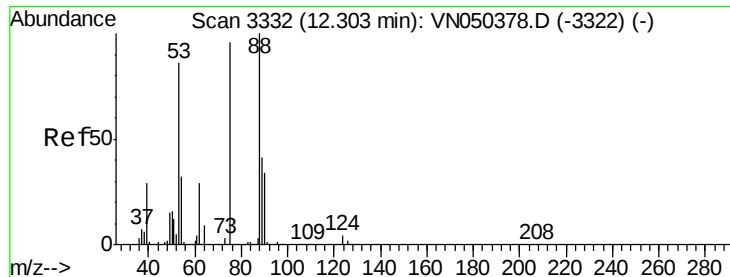
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

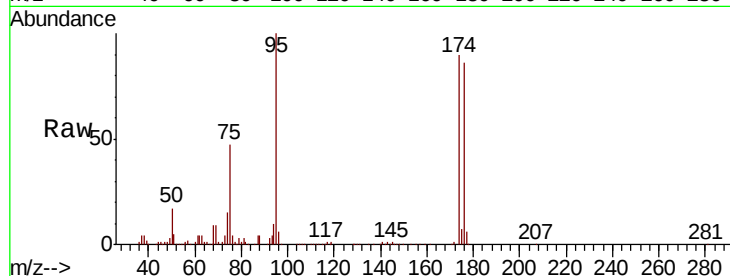




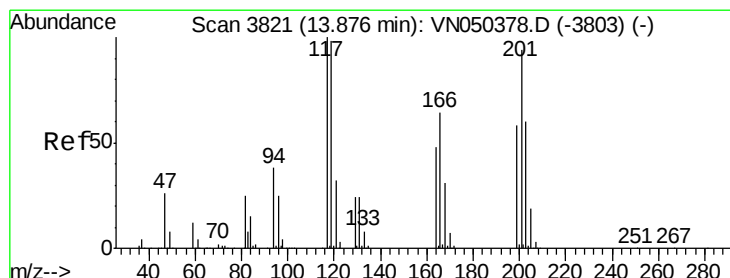
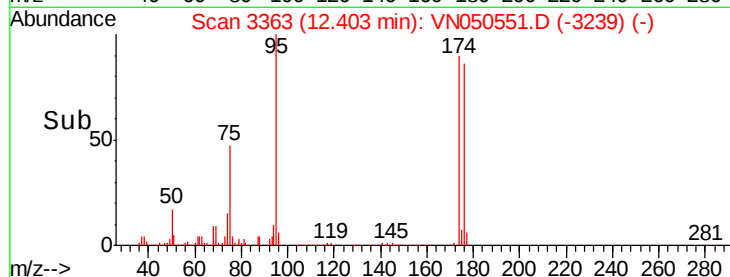
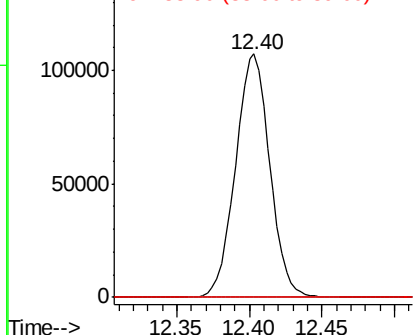
#81
trans-1,4-Dichloro-2-butene
Concen: 118.55 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

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

Tot Ion: 75 Resp: 175967
Ion Ratio Lower Upper
75 100
53 0.2 73.5 110.3#
89 0.0 36.0 54.0#

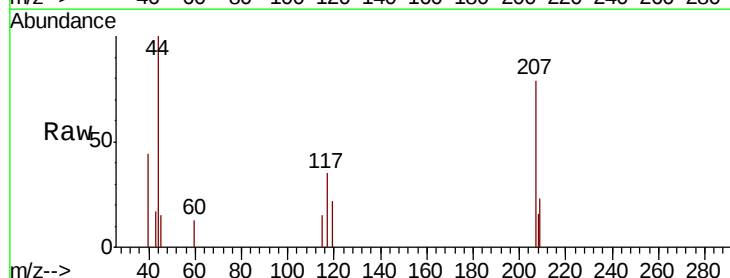


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

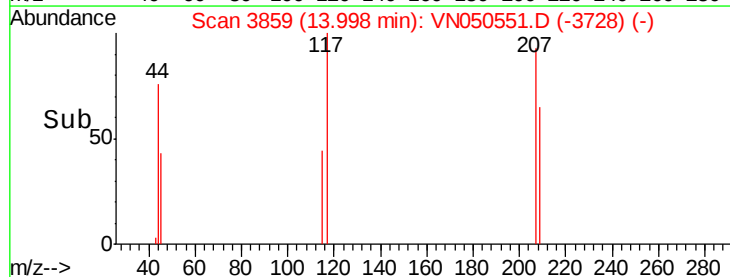
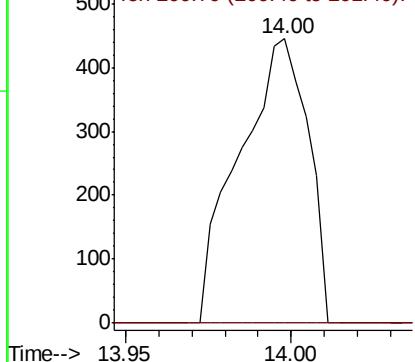


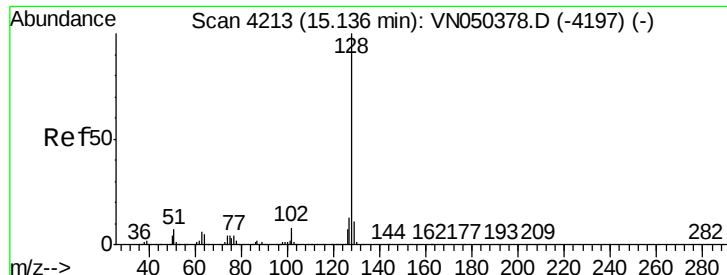
#90
Hexachloroethane
Concen: 0.21 ug/l
RT: 14.00 min Scan# 3859
Delta R.T. 0.12 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

Tgt Ion: 117 Resp: 641
Ion Ratio Lower Upper
117 100
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 11.53 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050551.D
Acq: 11 Aug 2018 5:48

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.5	8.8	13.2

