

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050545.D
 Acq On : 11 Aug 2018 3:20
 Operator : MD\SY
 Sample : J4272-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Aug 11 05:01:49 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	624907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	893294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347135	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	431114	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
35) Dibromofluoromethane	7.59	113	398638	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	10.09	98	1416025	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
62) 4-Bromofluorobenzene	12.40	95	404249	37.98	ug/l	0.00
Spiked Amount			Recovery	=	75.96%	

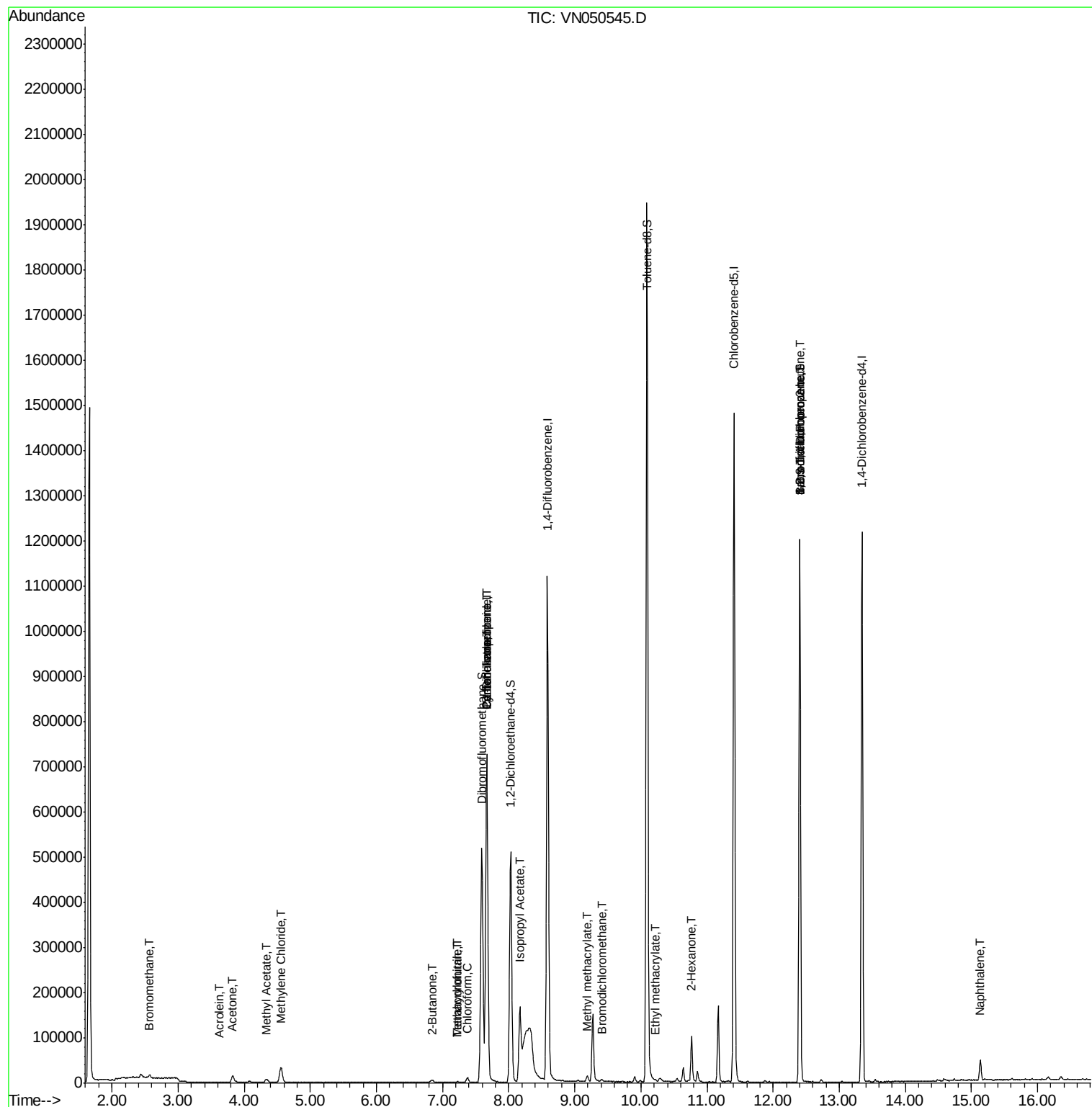
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2341	Below Cal	#	86
5) Bromomethane	2.57	94	3777	1.03	ug/l	88
13) Acrolein	3.62	56	60	15.09	ug/l	# 15
16) Acetone	3.83	43	26993	10.50	ug/l	100
18) Methyl Acetate	4.34	43	14046	1.99	ug/l	96
20) Methylene Chloride	4.55	84	26321	1.97	ug/l	96
25) 2-Butanone	6.85	43	2466	0.60	ug/l	# 81
29) Tetrahydrofuran	7.23	42	931	0.42	ug/l	# 56
30) Chloroform	7.38	83	11705	0.86	ug/l	93
31) Cyclohexane	7.67	56	11573	0.34	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	43707	3.84	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	56394	4.75	ug/l	# 16
41) Methacrylonitrile	7.22	41	1033	0.24	ug/l	# 26
43) Isopropyl Acetate	8.17	43	207648	14.68	ug/l	96
47) Bromodichloromethane	9.41	83	2862	0.24	ug/l	# 83
48) Methyl methacrylate	9.18	41	6331	0.89	ug/l	# 22
56) Ethyl methacrylate	10.23	69	2302	1.90	ug/l	# 66
59) 2-Hexanone	10.77	43	14183	2.00	ug/l	# 61
71) Bromoform	12.40	173	3032	0.51	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	194788	31.00	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	194788	108.92	ug/l	# 13
95) Naphthalene	15.13	128	38511	5.75	ug/l	98

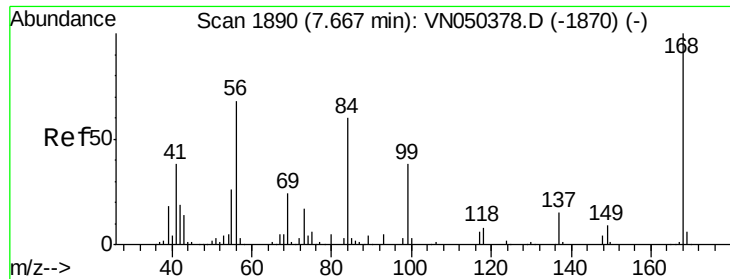
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

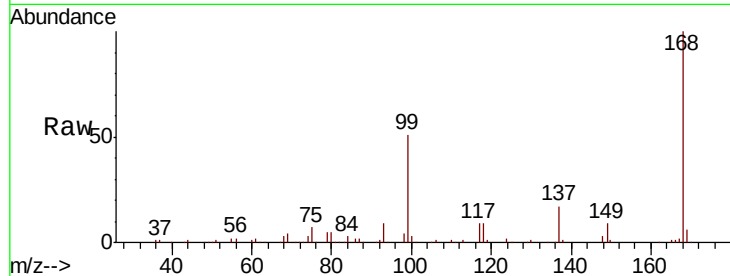
JC-03-080918-C

Tot Ion:168 Resp: 624907

Ion Ratio Lower Upper

168 100

99 50.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

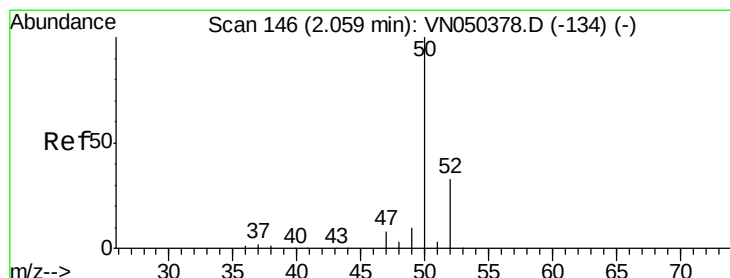
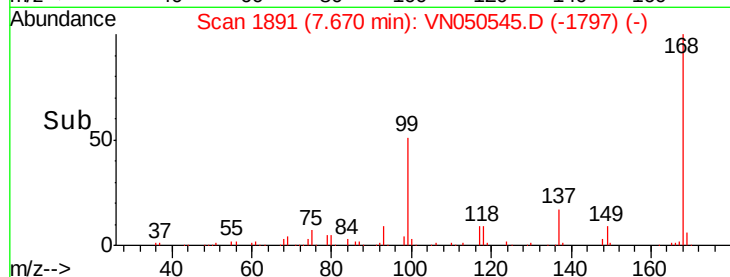
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050545.D

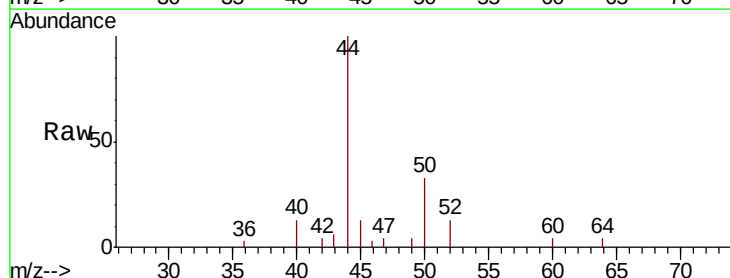
Acq: 11 Aug 2018 3:20

Tgt Ion: 50 Resp: 2341

Ion Ratio Lower Upper

50 100

52 40.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.06

2000

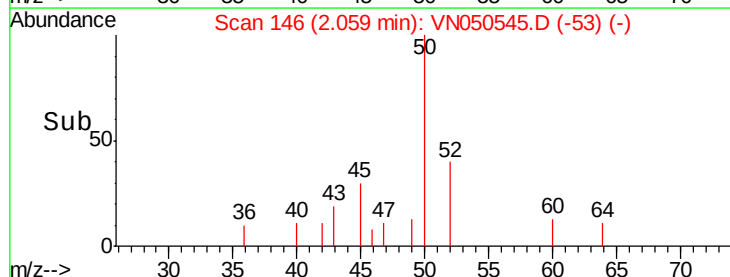
1500

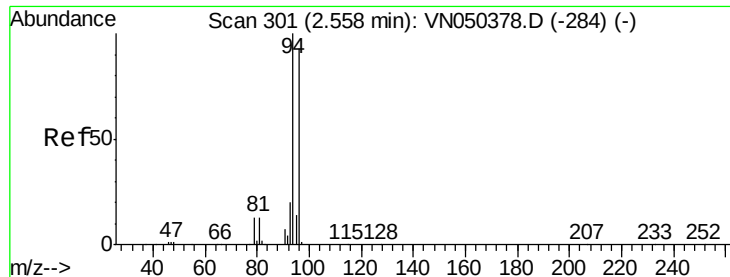
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.03 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

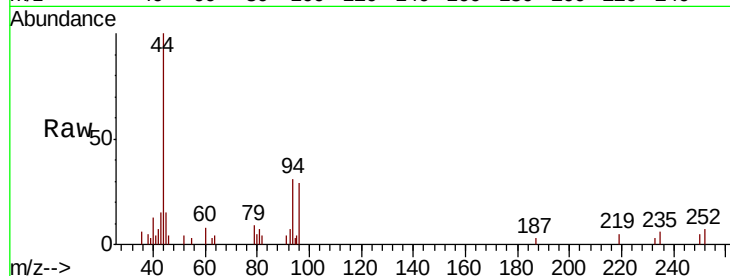
JC-03-080918-C

Tot Ion: 94 Resp: 3777

Ion Ratio Lower Upper

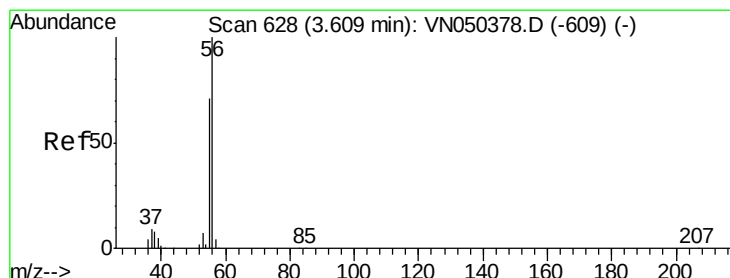
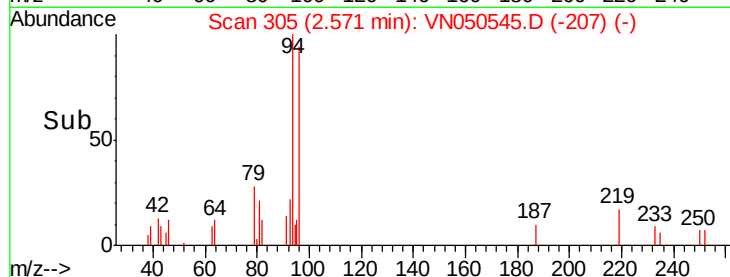
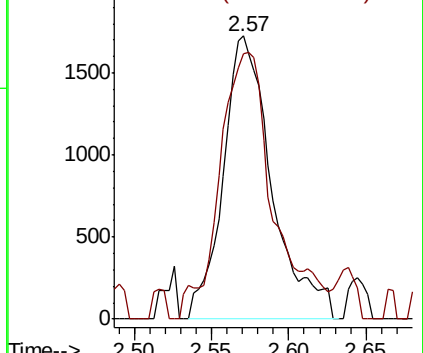
94 100

96 81.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 15.09 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN050545.D

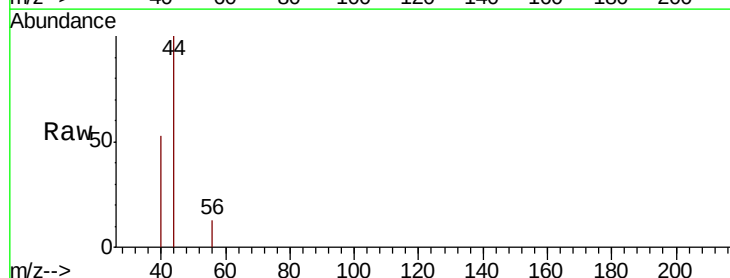
Acq: 11 Aug 2018 3:20

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

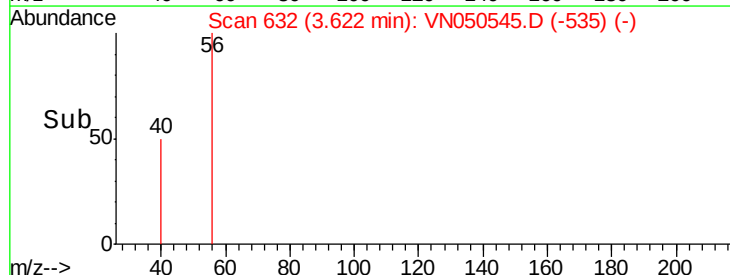
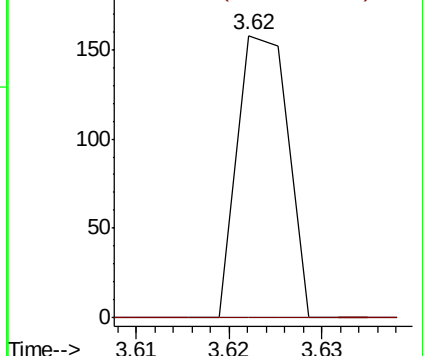
56 100

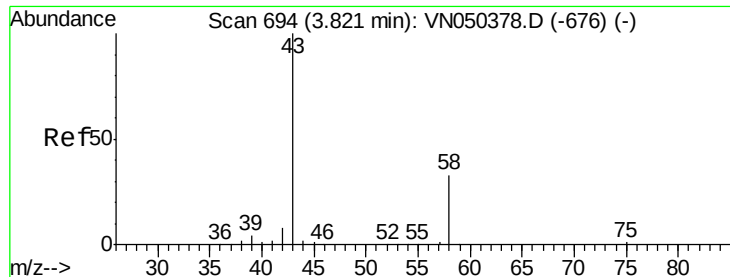
55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 10.50 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

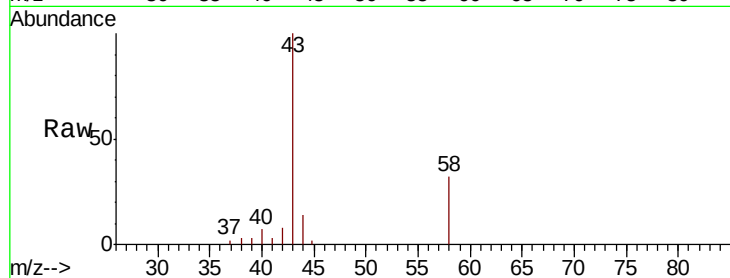
JC-03-080918-C

Tot Ion: 43 Resp: 26993

Ion Ratio Lower Upper

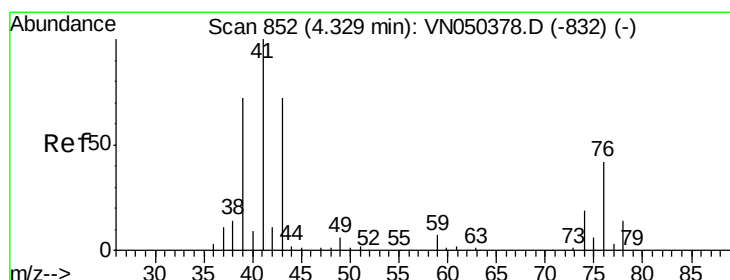
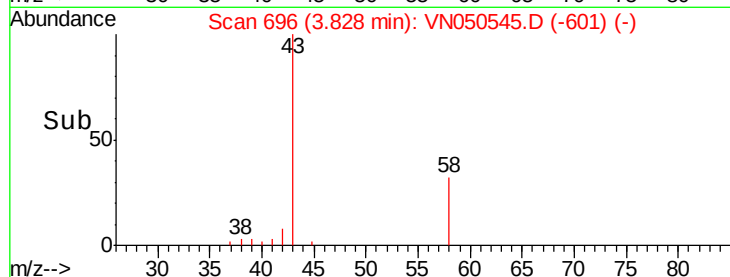
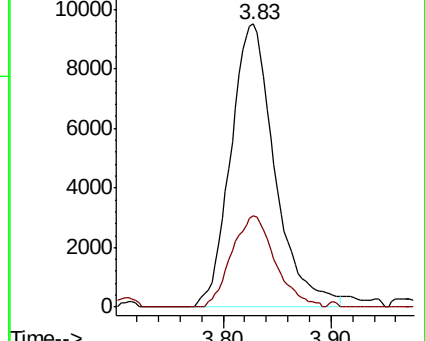
43 100

58 32.3 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: 1.99 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050545.D

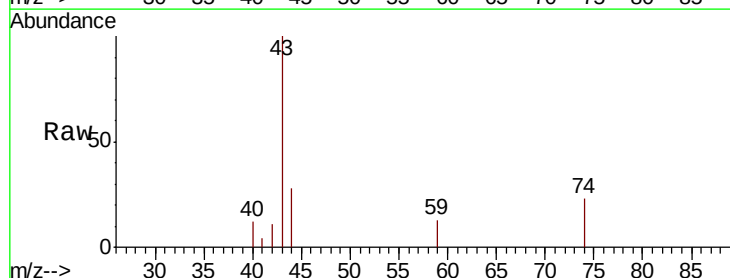
Acq: 11 Aug 2018 3:20

Tgt Ion: 43 Resp: 14046

Ion Ratio Lower Upper

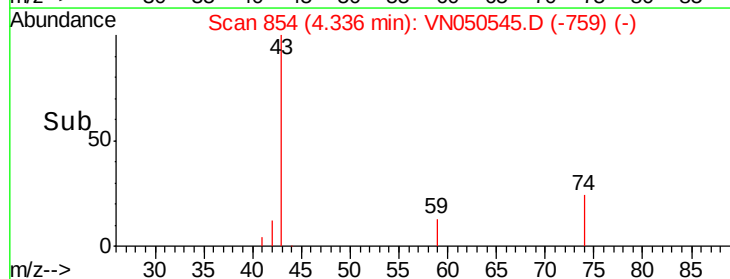
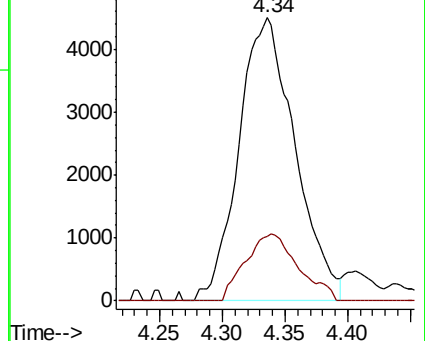
43 100

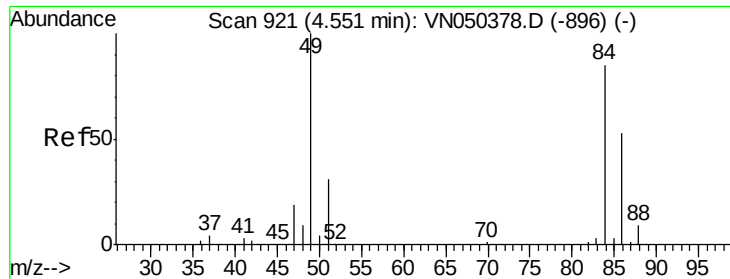
74 22.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

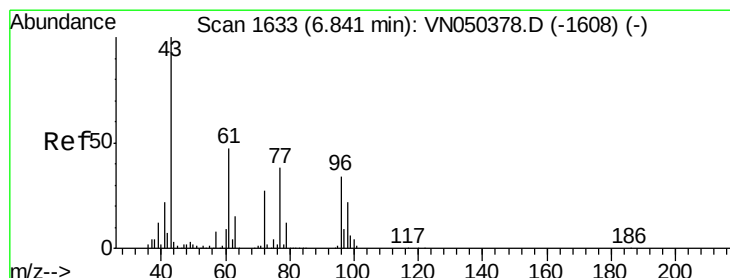
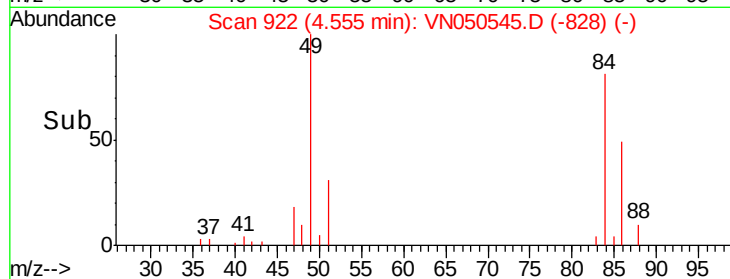
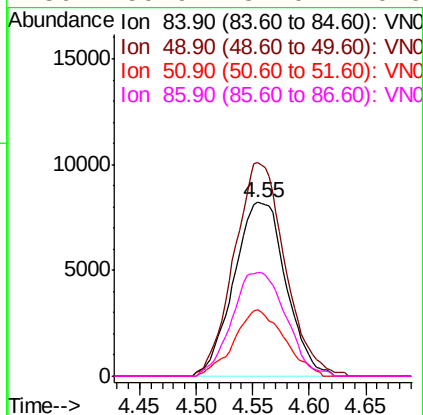
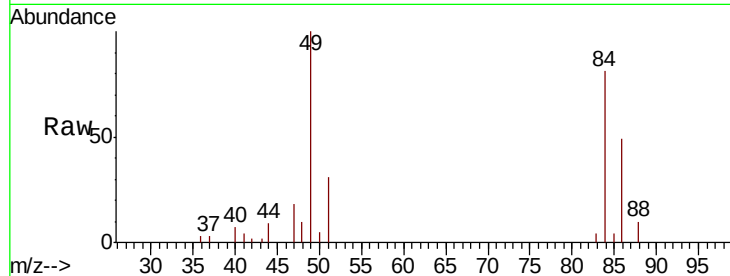




#20
Methvlene Chloride
Concen: 1.97 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

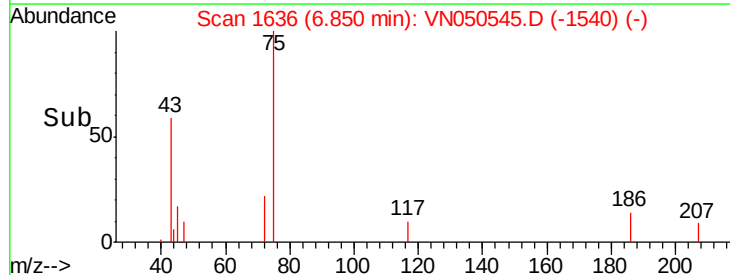
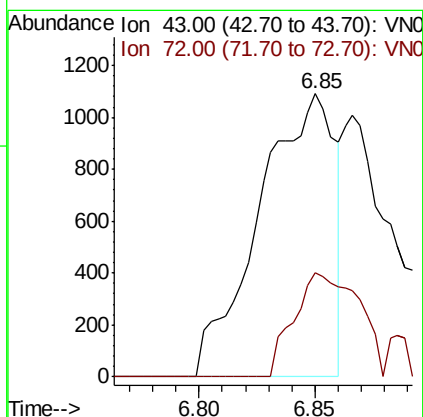
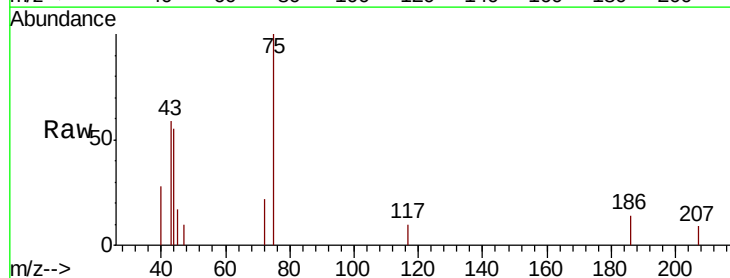
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-C

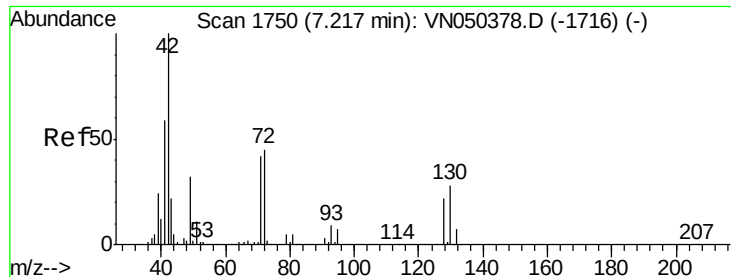
Tot Ion:	84	Resp:	26321
Ion	Ratio	Lower	Upper
84	100		
49	123.0	94.8	142.2
51	38.2	28.3	42.5
86	59.9	51.0	76.6



#25
2-Butanone
Concen: 0.60 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

Tgt Ion:	43	Resp:	2466
Ion	Ratio	Lower	Upper
43	100		
72	36.8	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: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-C

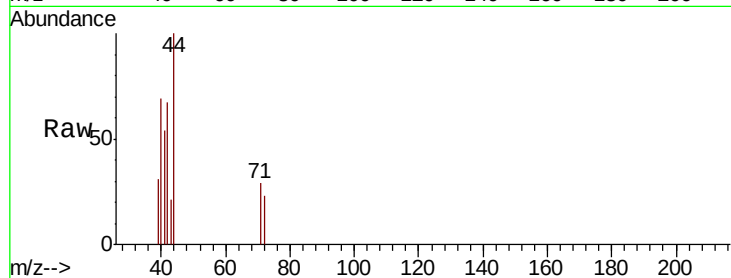
Tot Ion: 42 Resp: 931

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

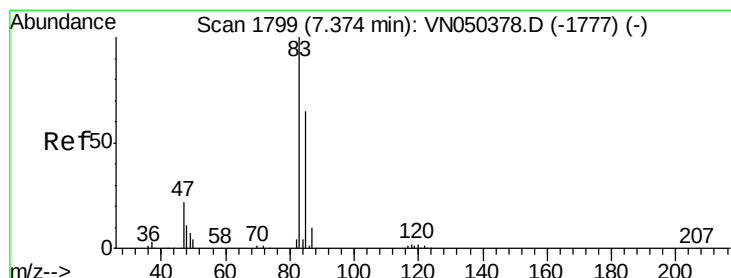
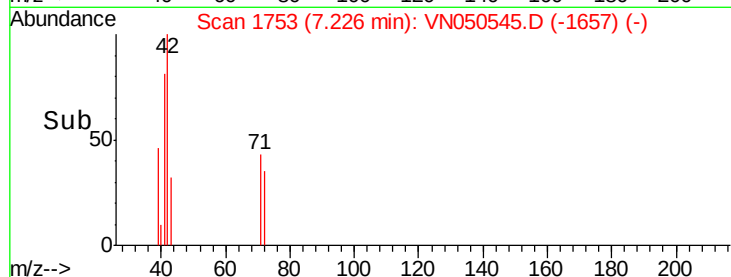
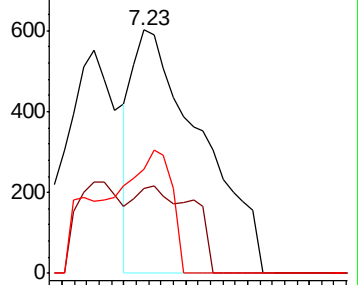
71 31.5 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.86 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050545.D

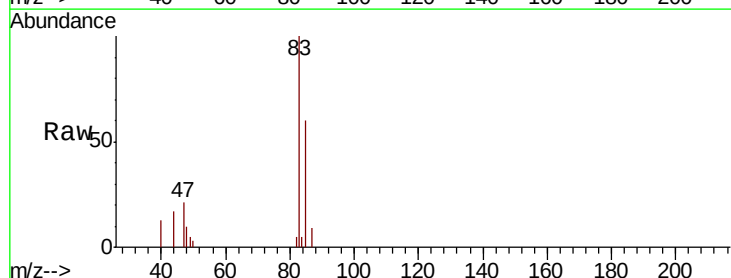
Acq: 11 Aug 2018 3:20

Tgt Ion: 83 Resp: 11705

Ion Ratio Lower Upper

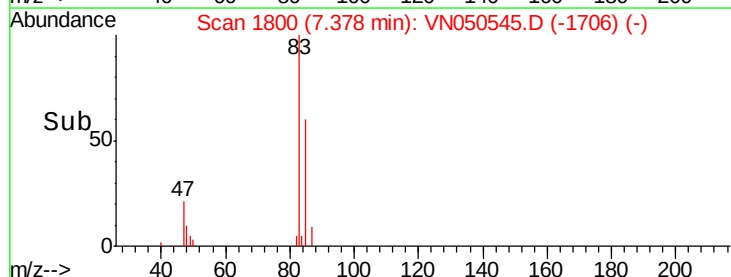
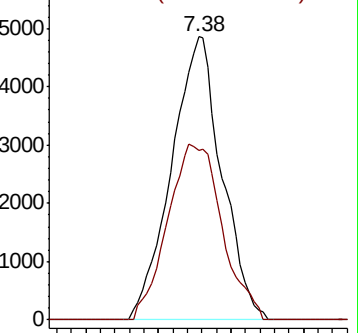
83 100

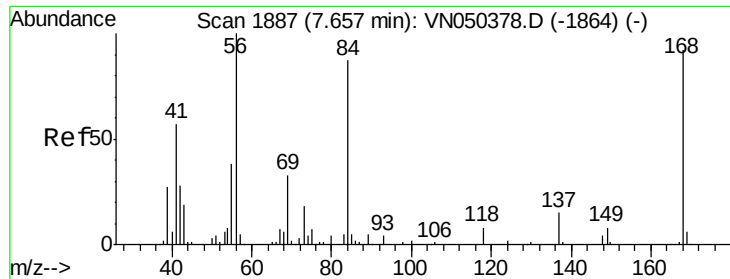
85 59.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

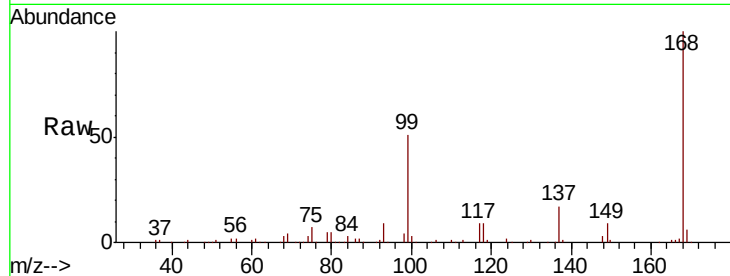




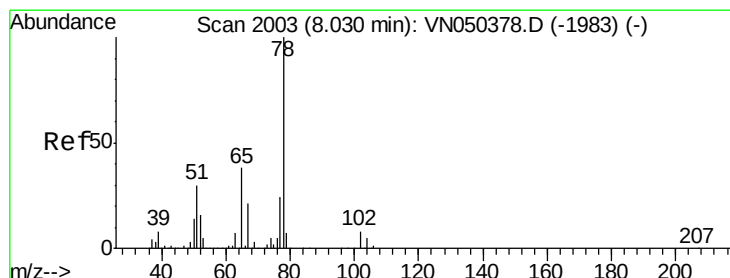
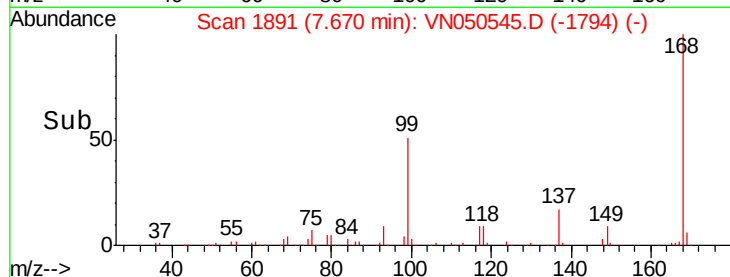
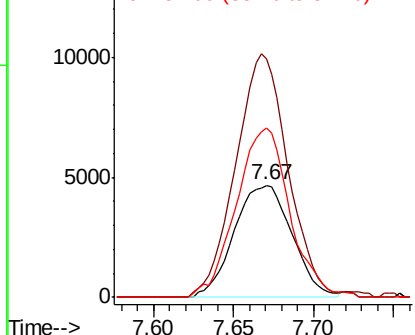
#31
Cyclohexane
Concen: 0.34 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

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

Tot Ion: 56 Resp: 11573
Ion Ratio Lower Upper
56 100
69 212.1 26.2 39.4#
84 150.6 67.4 101.0#

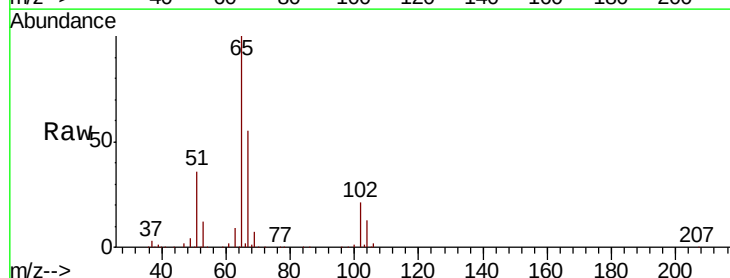


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

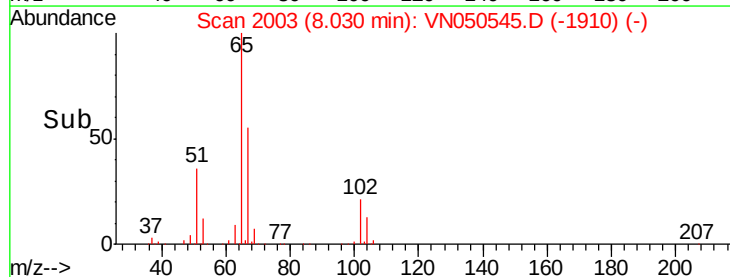
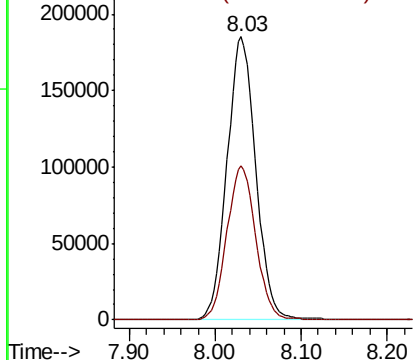


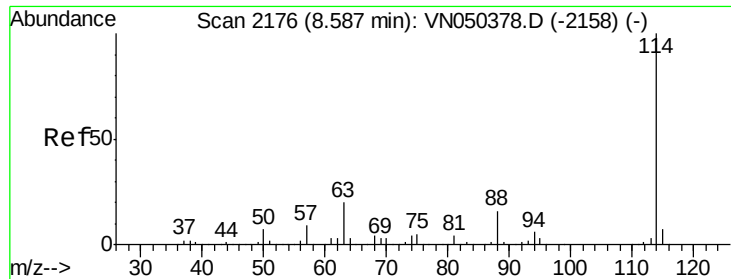
#33
1,2-Dichloroethane-d4
Concen: 51.63 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

Tgt Ion: 65 Resp: 431114
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



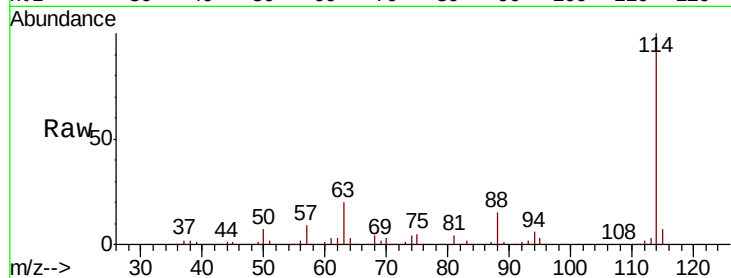


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050545.D
 Acq: 11 Aug 2018 3:20

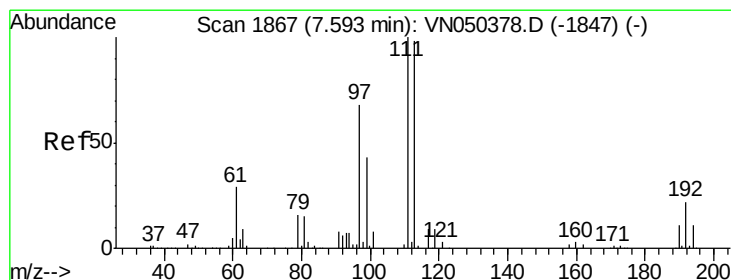
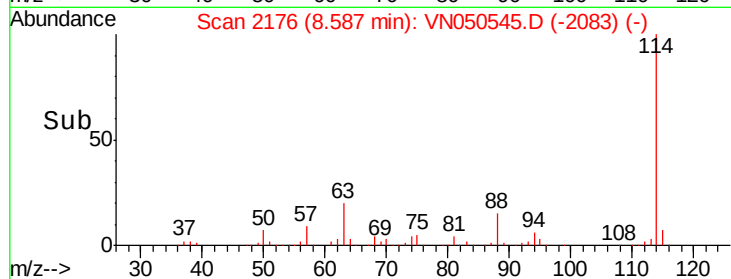
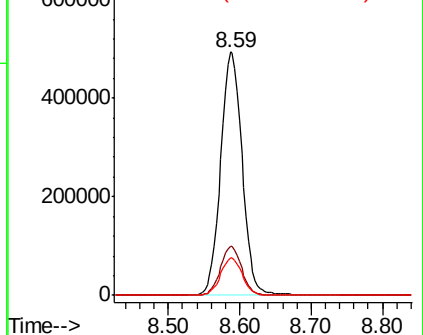
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-C

Tot Ion:114 Resp: 1035217

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.0
88	15.3	0.0	31.2



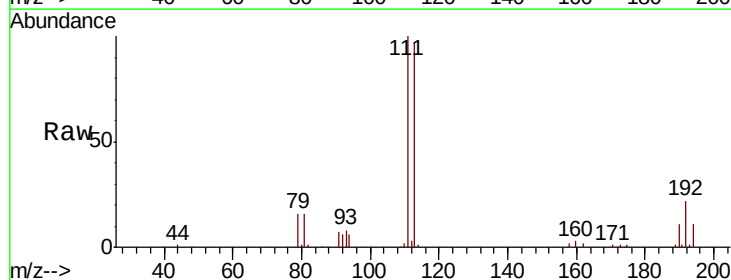
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



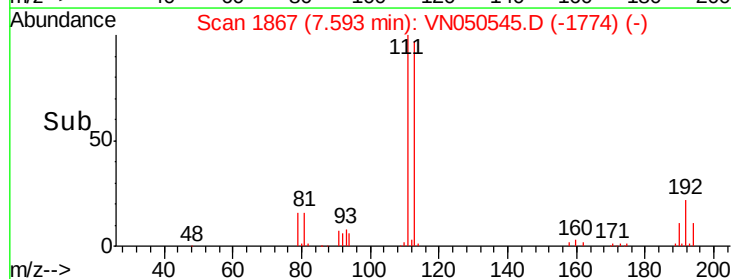
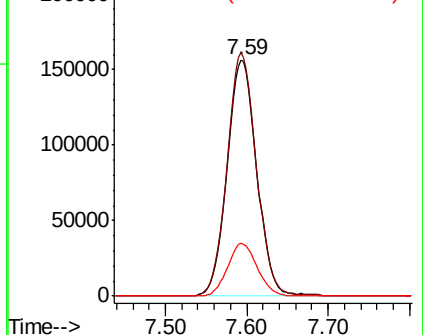
#35
 Dibromofluoromethane
 Concen: 47.99 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050545.D
 Acq: 11 Aug 2018 3:20

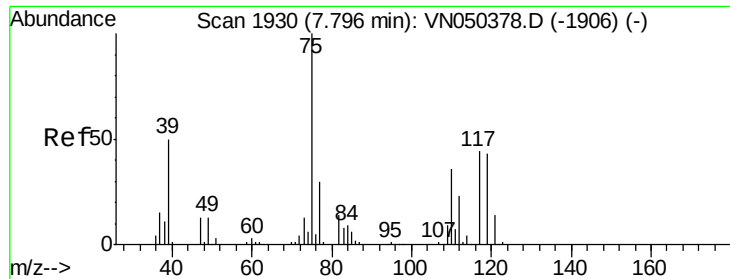
Tgt Ion:113 Resp: 398638

Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.7	121.1
192	22.3	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

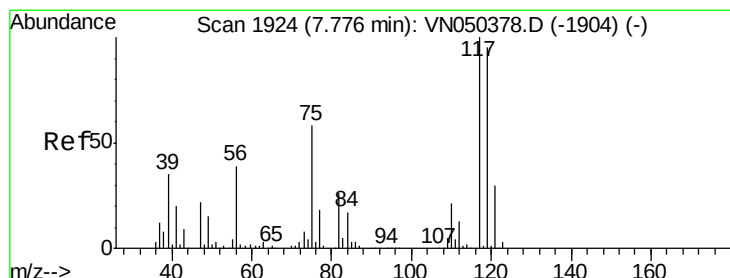
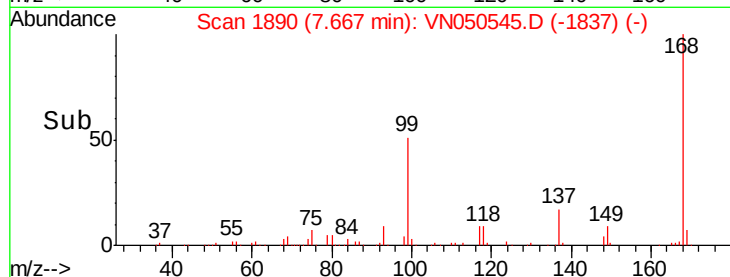
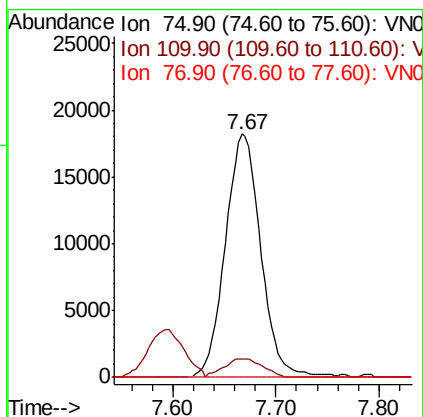
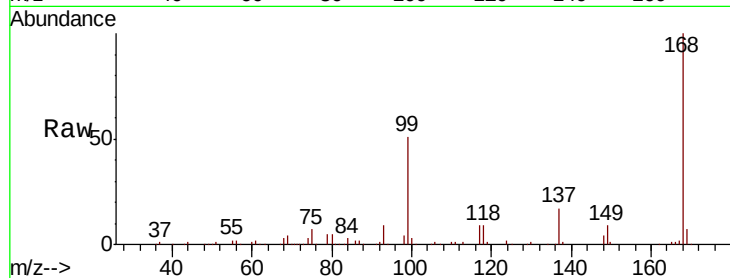




#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050545.D
 Acq: 11 Aug 2018 3:20

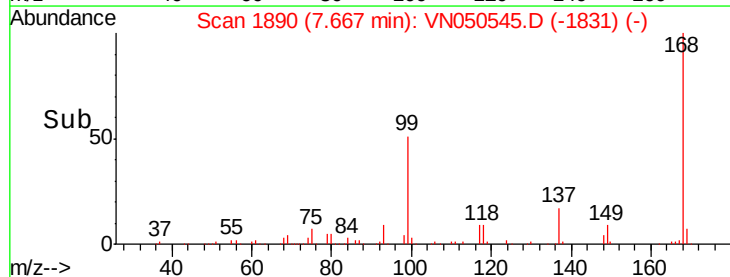
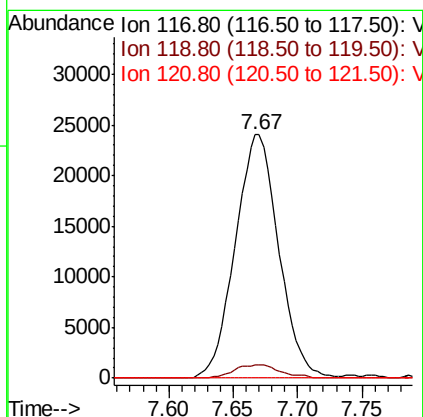
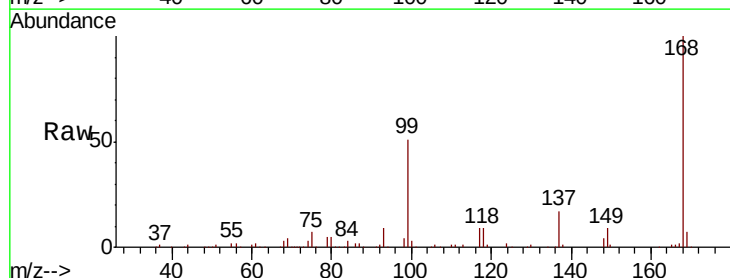
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-080918-C

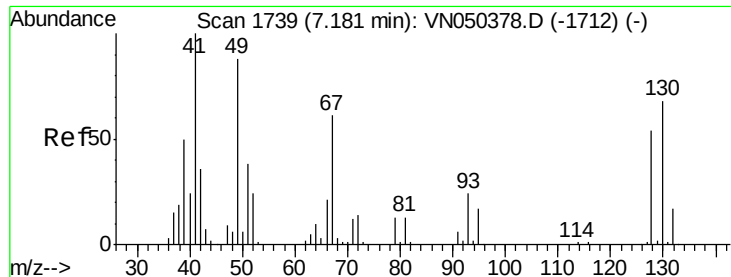
Tot Ion	75	Resp	43707
Ion Ratio	Lower	Upper	
75	100		
110	8.3	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.75 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050545.D
 Acq: 11 Aug 2018 3:20

Tgt Ion	117	Resp	56394
Ion Ratio	Lower	Upper	
117	100		
119	5.4	77.4	116.0#
121	0.0	23.9	35.9#

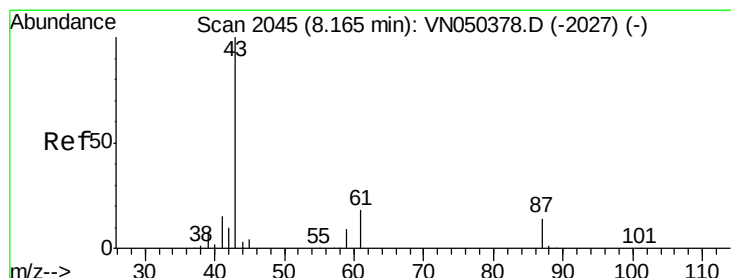
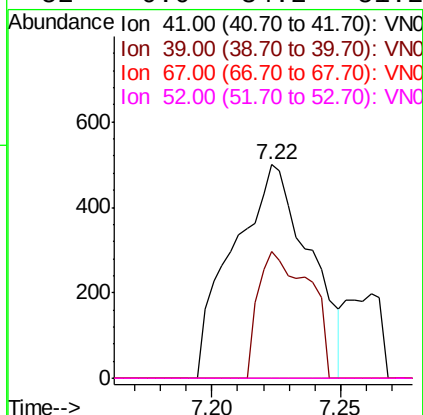
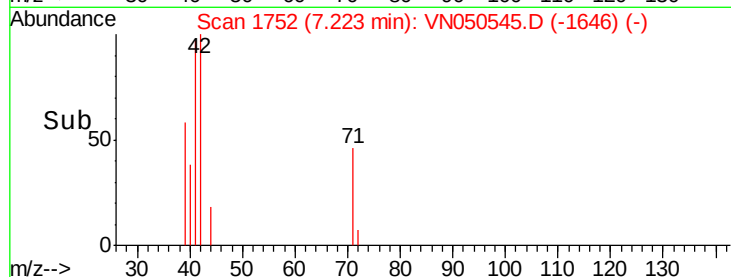
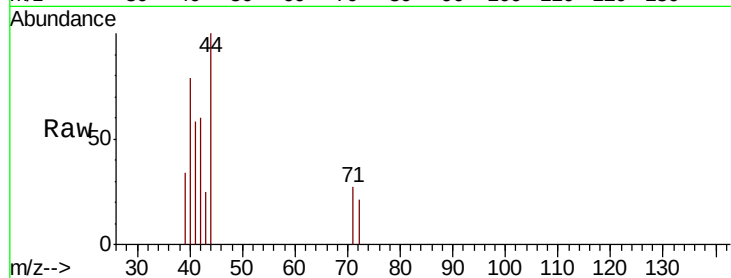




#41
Methacrylonitrile
Concen: 0.24 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.04 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

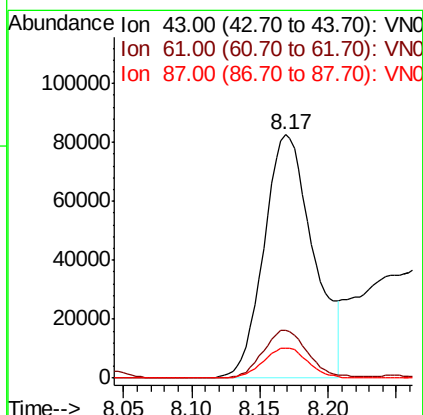
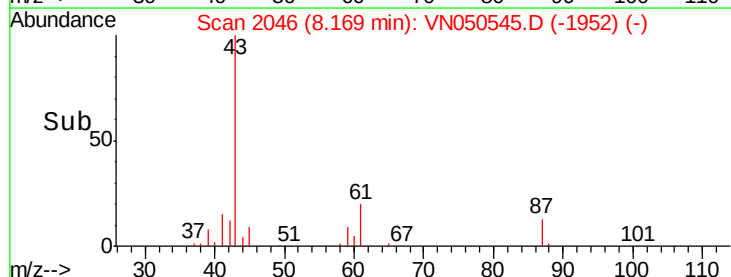
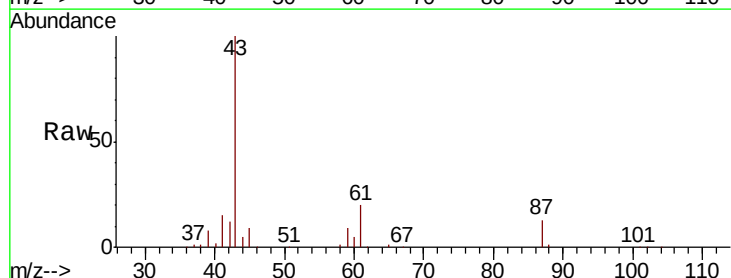
Instrument :
MSVOA_N
ClientSampled :
JC-03-080918-C

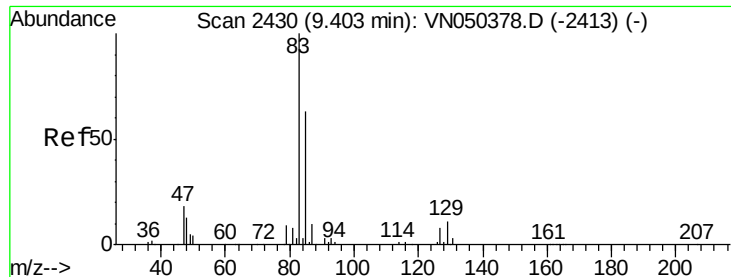
Tot Ion: 41 Resp: 1033
Ion Ratio Lower Upper
41 100
39 39.8 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 14.68 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

Tgt Ion: 43 Resp: 207648
Ion Ratio Lower Upper
43 100
61 18.0 15.8 23.6
87 11.2 10.3 15.5





#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-C

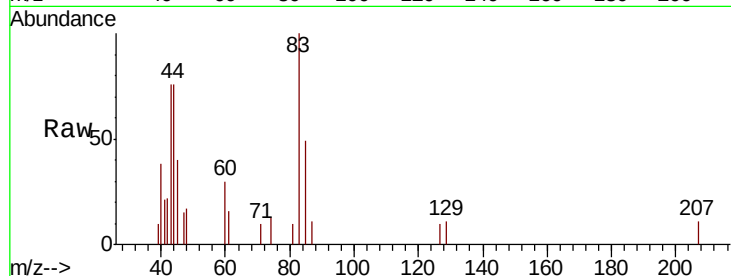
Tot Ion: 83 Resp: 2862

Ion Ratio Lower Upper

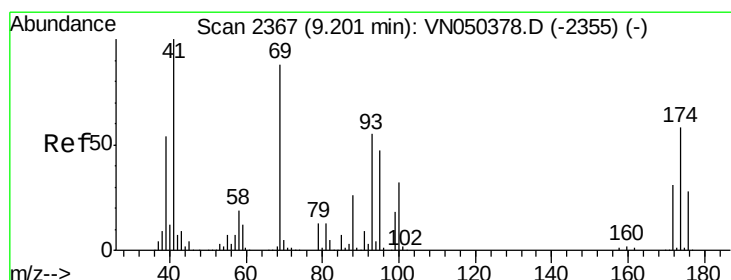
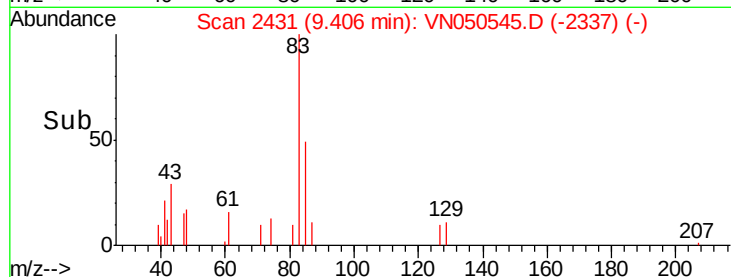
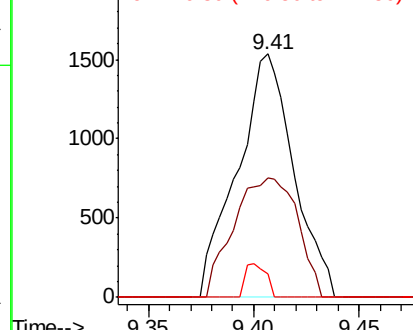
83 100

85 49.0 51.1 76.7#

127 9.9 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: 0.89 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

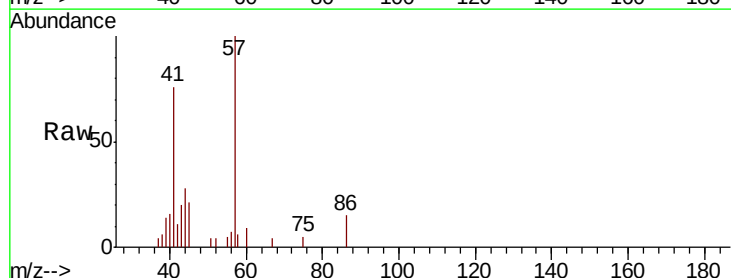
Tgt Ion: 41 Resp: 6331

Ion Ratio Lower Upper

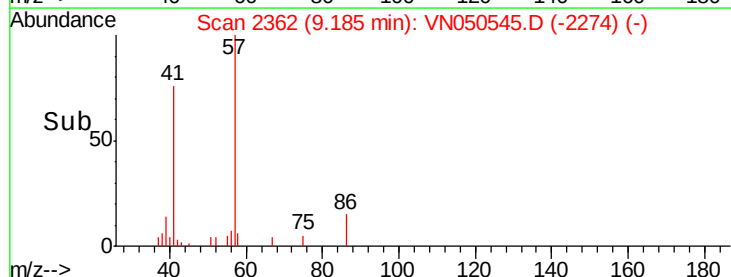
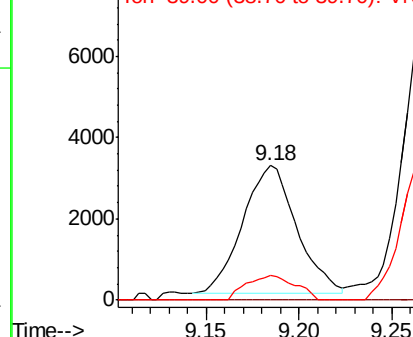
41 100

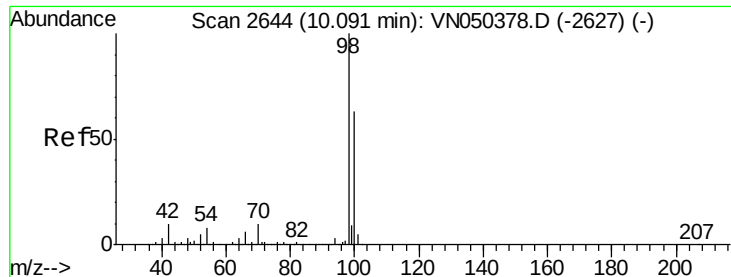
69 0.0 70.6 105.8#

39 17.7 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

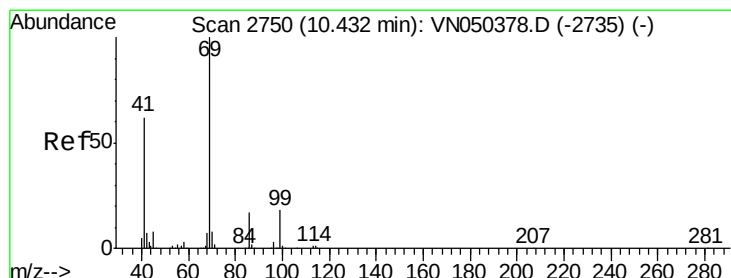
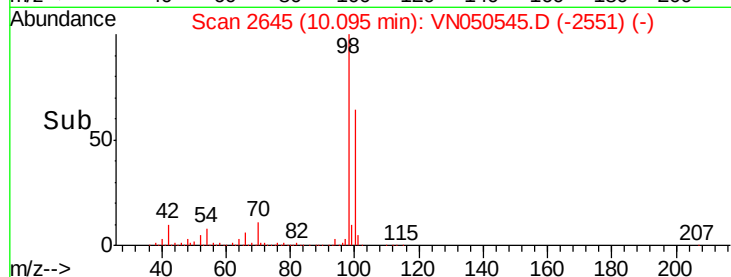
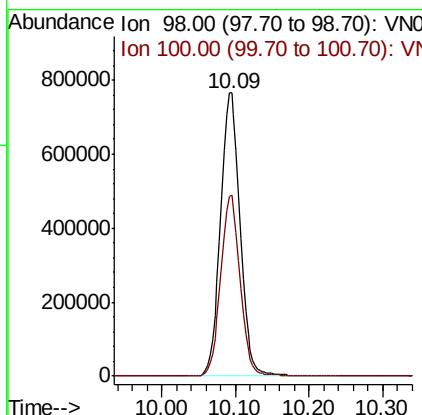
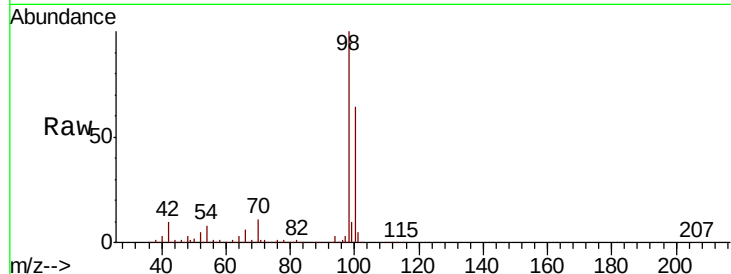




#50
Toluene-d8
Concen: 45.34 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

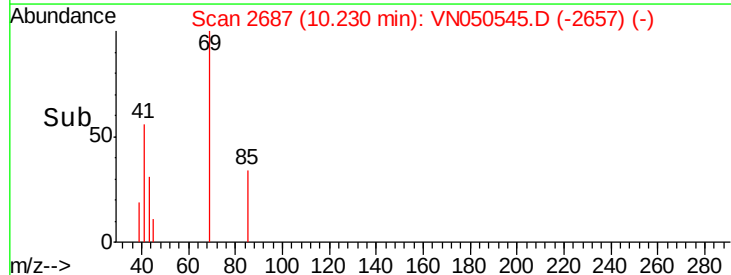
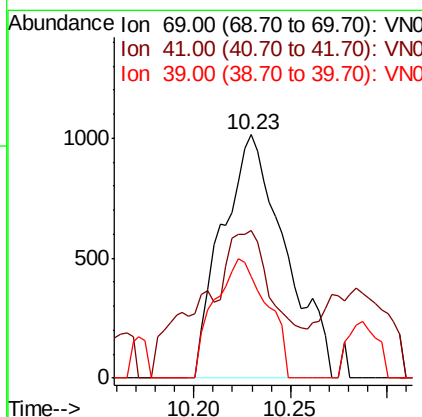
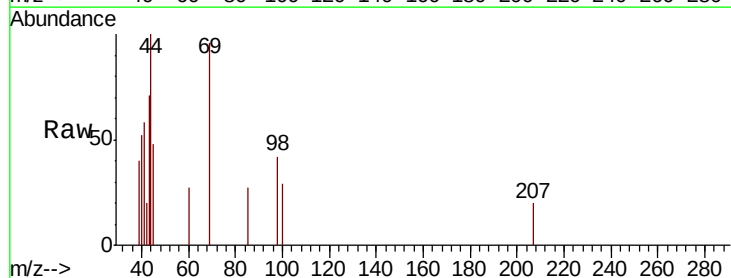
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-C

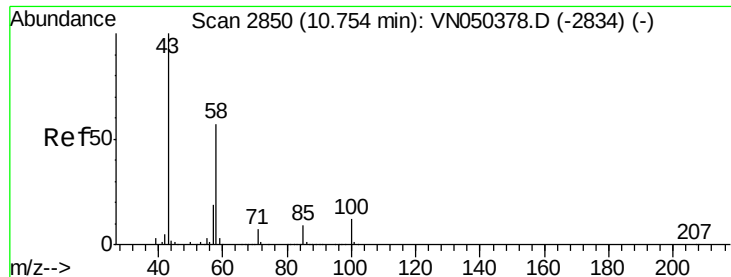
Tot Ion: 98 Resp: 1416025
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.90 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

Tgt Ion: 69 Resp: 2302
Ion Ratio Lower Upper
69 100
41 28.4 51.0 76.4#
39 40.7 26.6 40.0#

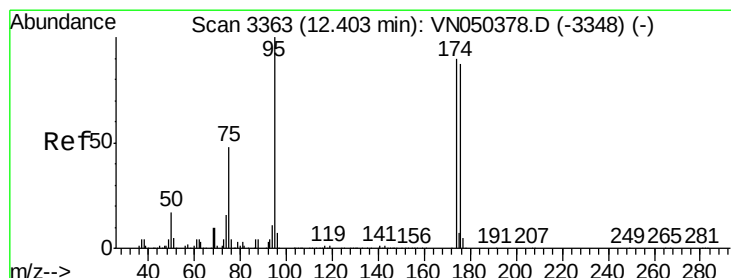
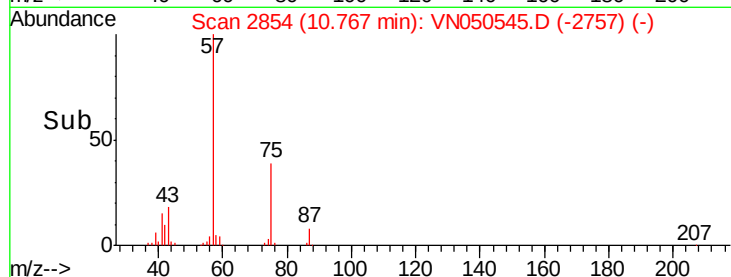
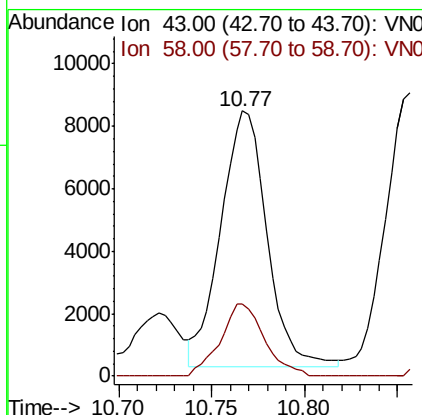
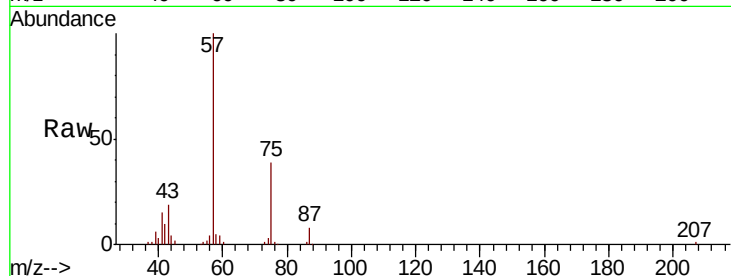




#59
2-Hexanone
Concen: 2.00 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

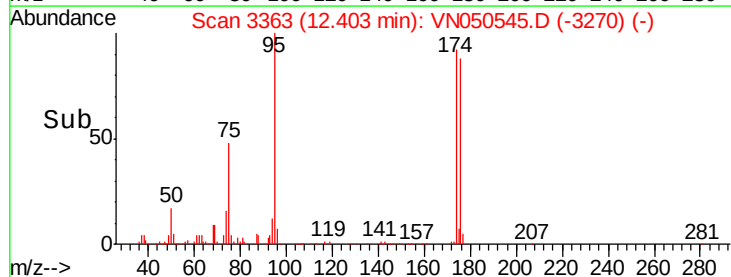
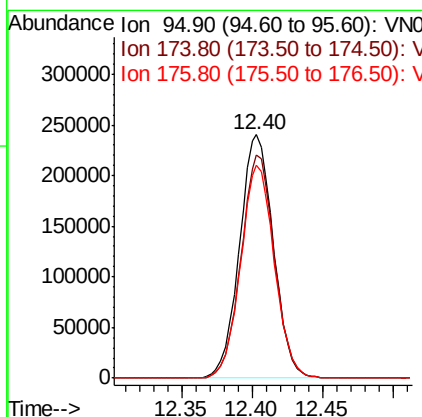
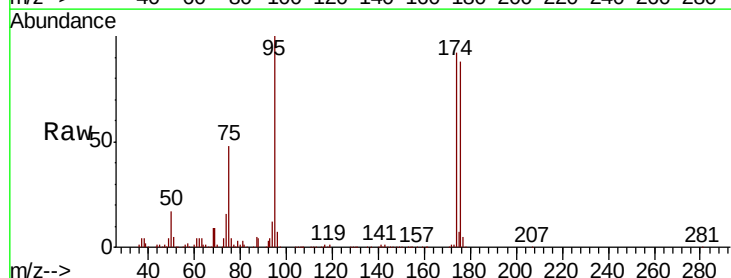
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-C

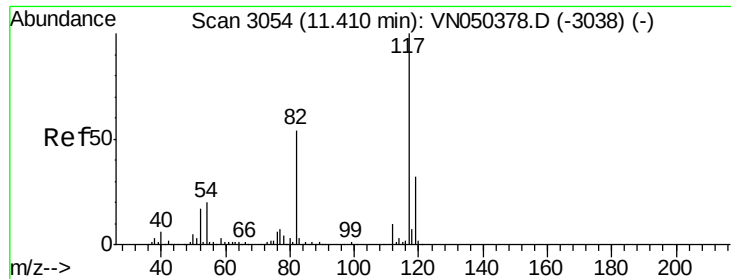
Tot Ion: 43 Resp: 14183
Ion Ratio Lower Upper
43 100
58 26.9 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.98 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

Tgt Ion: 95 Resp: 404249
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.2
176 87.1 0.0 173.4

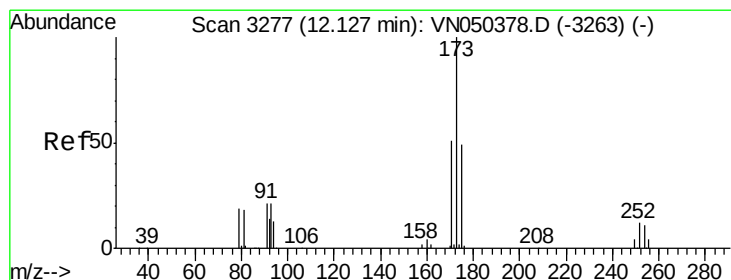
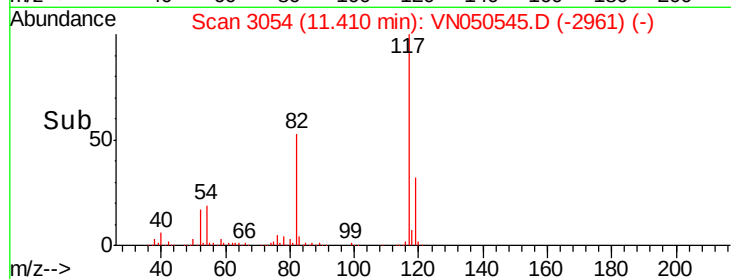
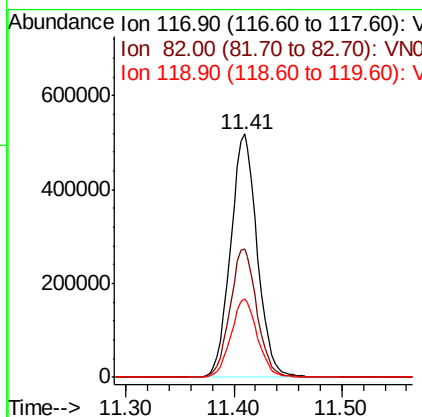
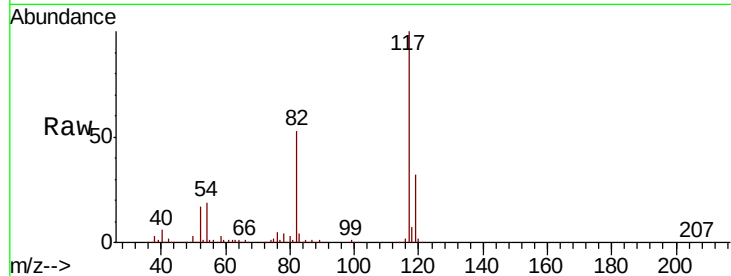




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

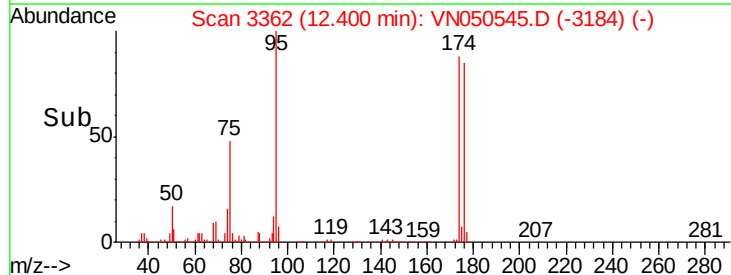
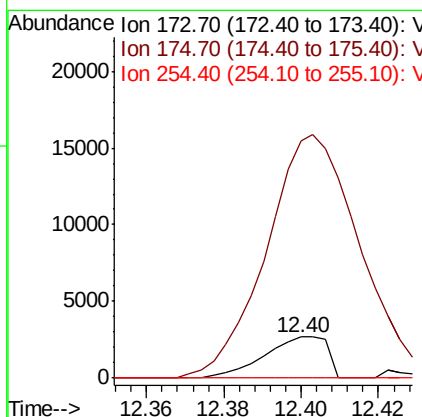
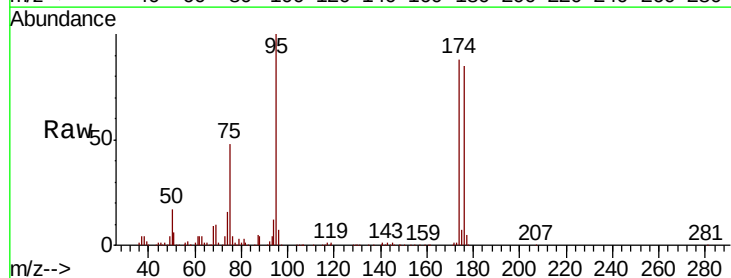
Instrument :
MSVOA_N
ClientSampleId :
JC-03-080918-C

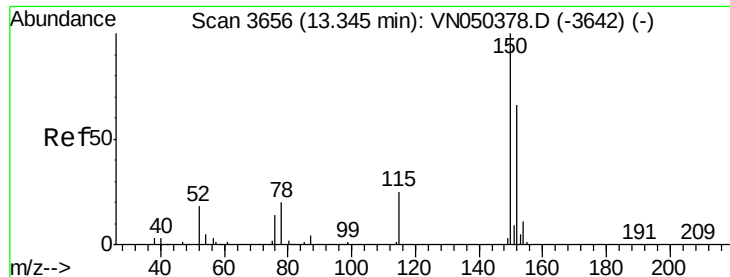
Tot Ion:117 Resp: 893294
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 32.3 26.1 39.1



#71
Bromoform
Concen: 0.51 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050545.D
Acq: 11 Aug 2018 3:20

Tgt Ion:173 Resp: 3032
Ion Ratio Lower Upper
173 100
175 729.6 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-C

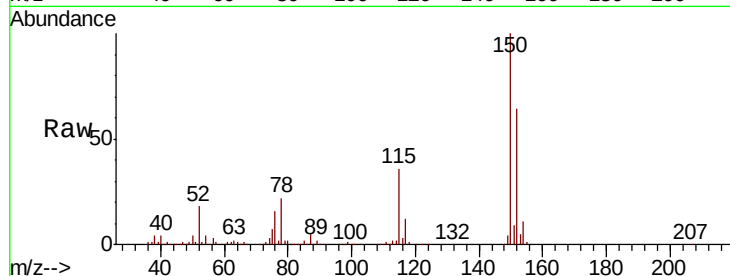
Tot Ion:152 Resp: 347135

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

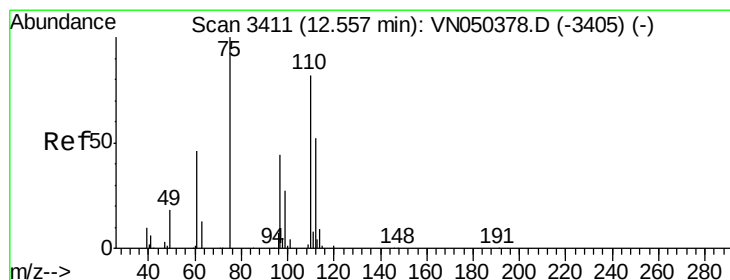
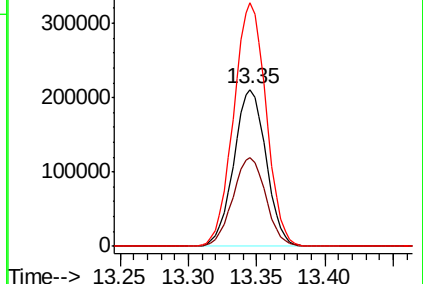
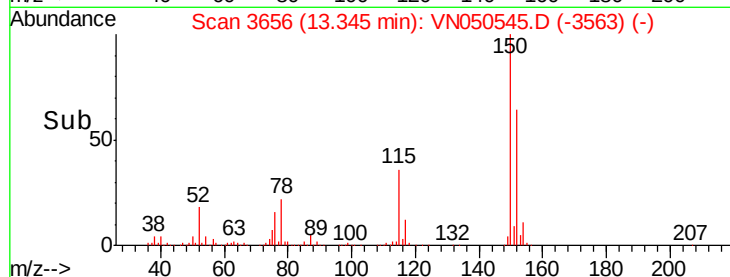
150 156.3 0.0 348.6



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: 31.00 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050545.D

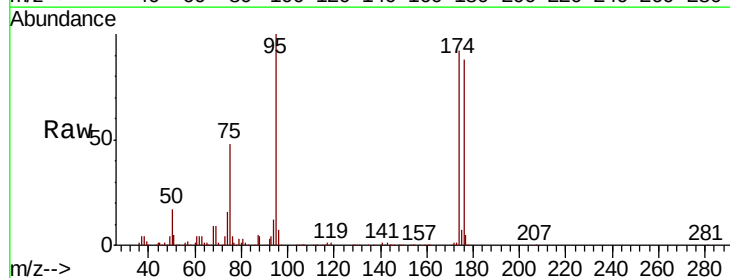
Acq: 11 Aug 2018 3:20

Tgt Ion: 75 Resp: 194788

Ion Ratio Lower Upper

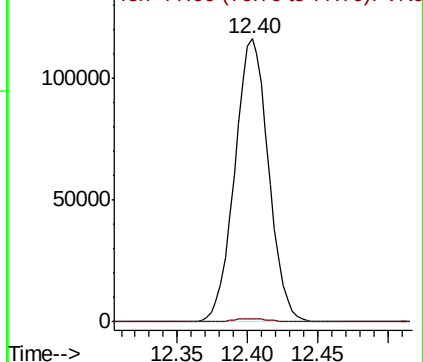
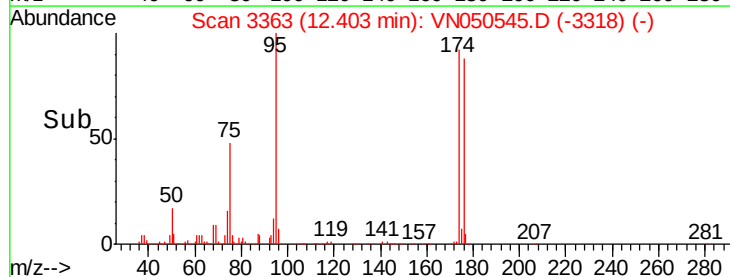
75 100

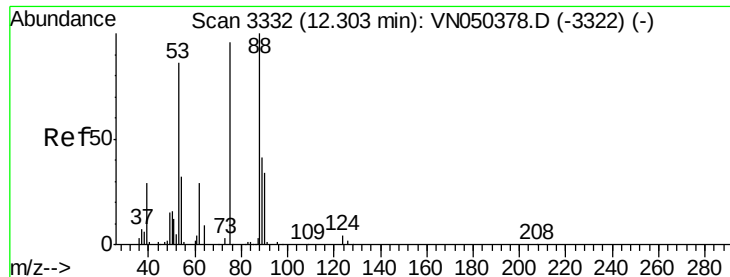
77 1.3 0.0 0.0#



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: 108.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-080918-C

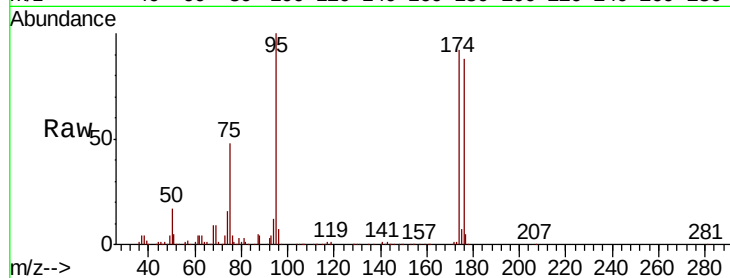
Tot Ion: 75 Resp: 194788

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

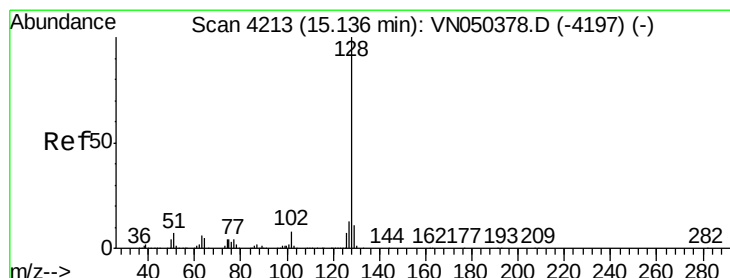
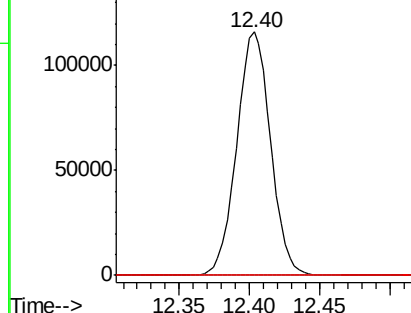
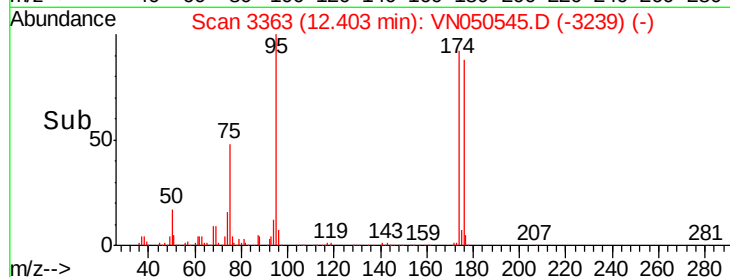
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 5.75 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050545.D

Acq: 11 Aug 2018 3:20

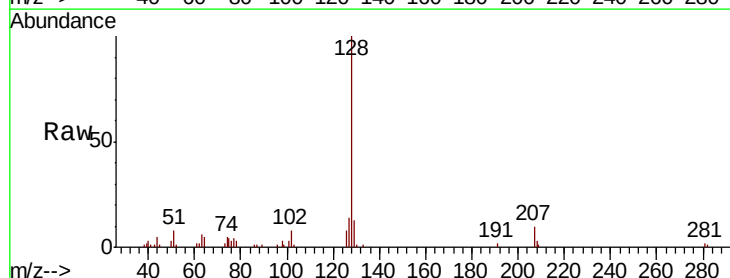
Tgt Ion: 128 Resp: 38511

Ion Ratio Lower Upper

128 100

127 14.4 10.4 15.6

129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

