

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050627.D
 Acq On : 15 Aug 2018 2:17
 Operator : MD\SY
 Sample : J4465-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

Quant Time: Aug 15 07:28:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	627482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	989132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	855740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421658	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.59	113	398877	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1406346	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.40	95	372657	37.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.90%	

Target Compounds

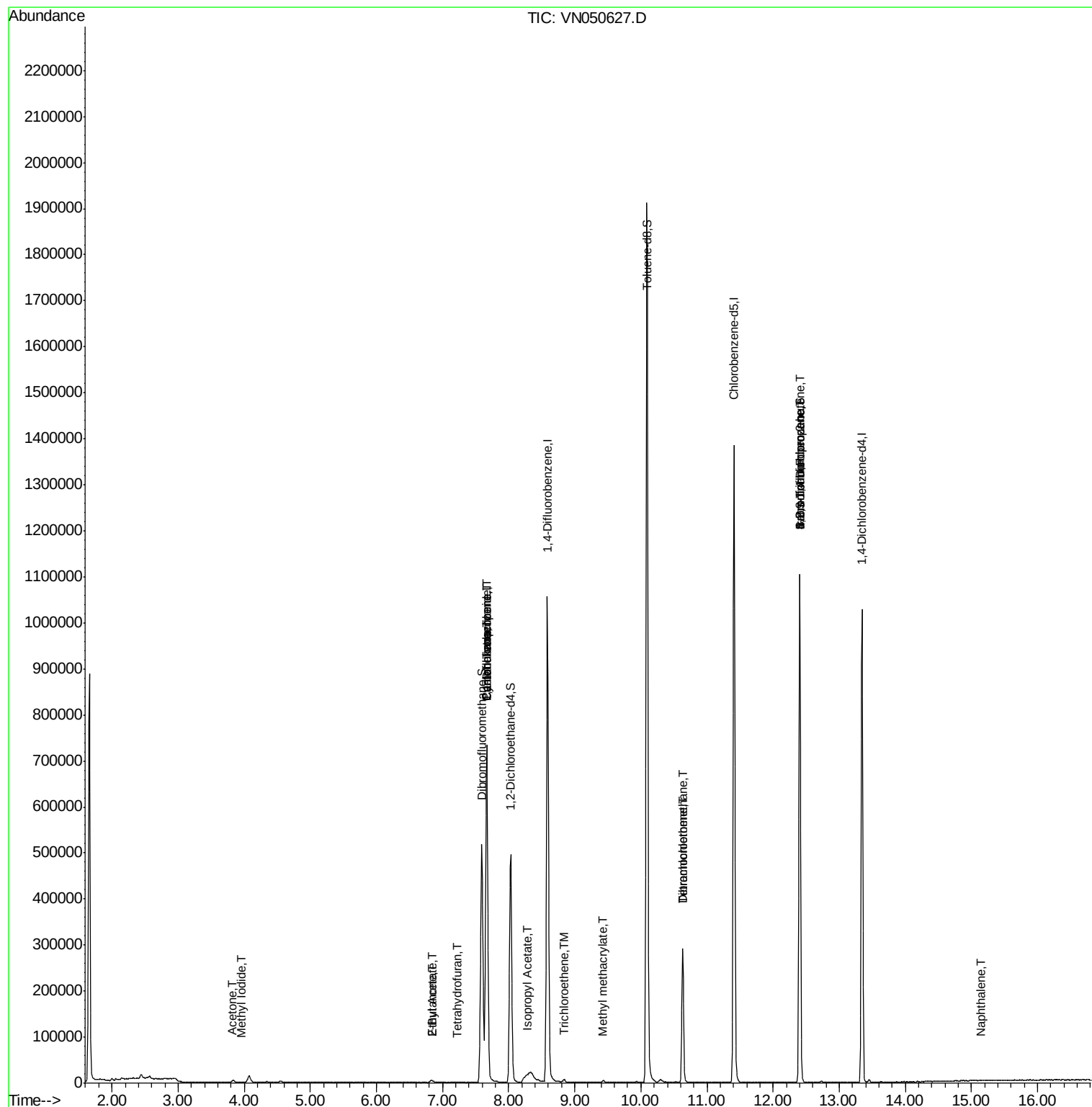
						Qvalue
3) Chloromethane	2.06	50	2942	Below Cal	#	88
5) Bromomethane	2.57	94	3164	Below Cal		82
6) Chloroethane	2.69	64	237	Below Cal	#	43
10) Methyl Iodide	3.95	142	1105	7.128	ug/l #	56
16) Acetone	3.82	43	8938	3.094	ug/l	98
18) Methyl Acetate	4.34	43	4009	Below Cal	#	89
20) Methylene Chloride	4.54	84	872	Below Cal	#	70
25) 2-Butanone	6.86	43	1353	0.417	ug/l #	77
29) Tetrahydrofuran	7.22	42	744	0.439	ug/l #	33
31) Cyclohexane	7.66	56	11606	0.627	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44577	4.048	ug/l #	49
37) Ethyl Acetate	6.86	43	1353	0.217	ug/l #	67
38) Carbon Tetrachloride	7.67	117	56838	4.976	ug/l #	17
43) Isopropyl Acetate	8.26	43	17589	1.551	ug/l #	60
44) Trichloroethene	8.84	130	2719	0.303	ug/l	70
48) Methyl methacrylate	9.43	41	1663	0.291	ug/l #	23
60) Dibromochloromethane	10.63	129	65894	7.991	ug/l #	10
64) Tetrachloroethene	10.63	164	75458	9.495	ug/l	100
71) Bromoform	12.40	173	3253	0.614	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	231	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	177129	36.737	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177129	132.936	ug/l #	13
95) Naphthalene	15.14	128	68	3.866	ug/l #	69

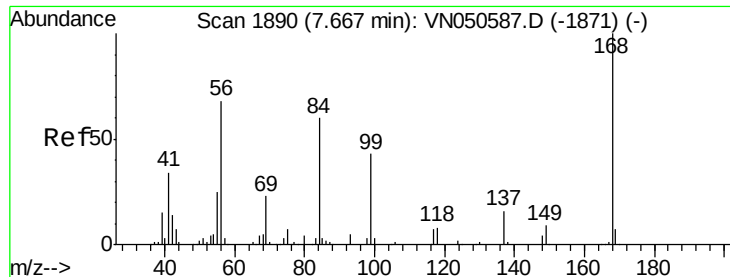
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
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946-MW-07(22.5)

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

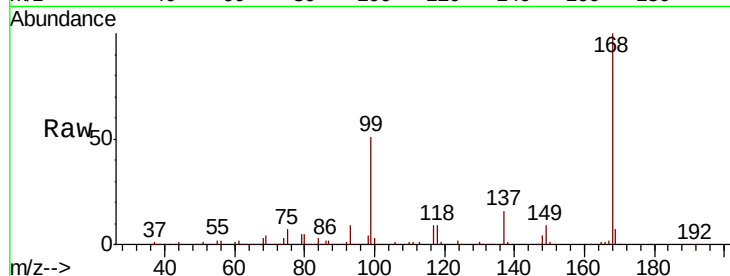
946-MW-07(22.5)

Tgt Ion:168 Resp: 627482

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

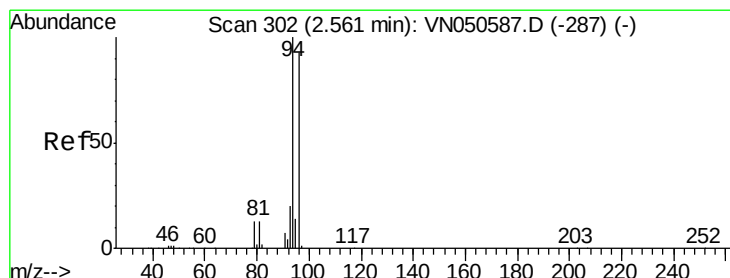
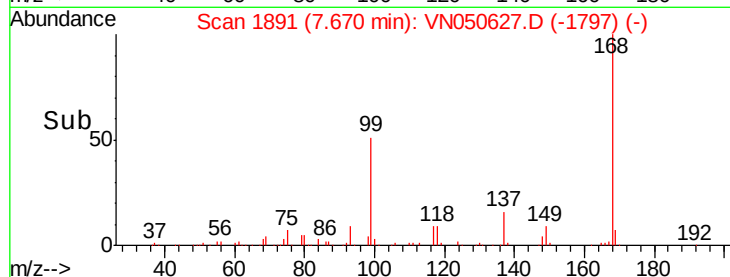
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050627.D

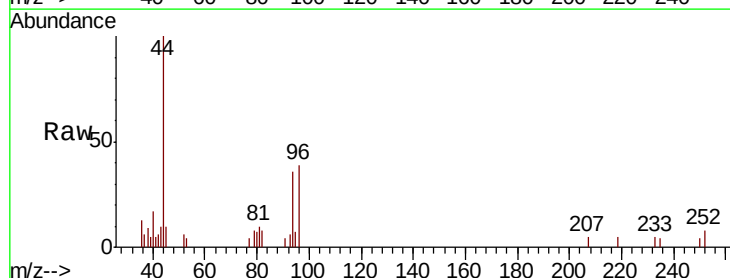
Acq: 15 Aug 2018 2:17

Tgt Ion: 94 Resp: 3164

Ion Ratio Lower Upper

94 100

96 109.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.57

2000

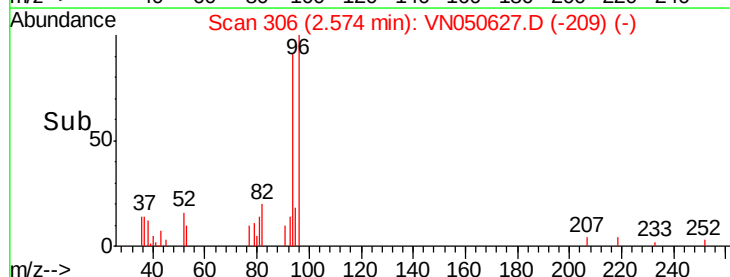
1500

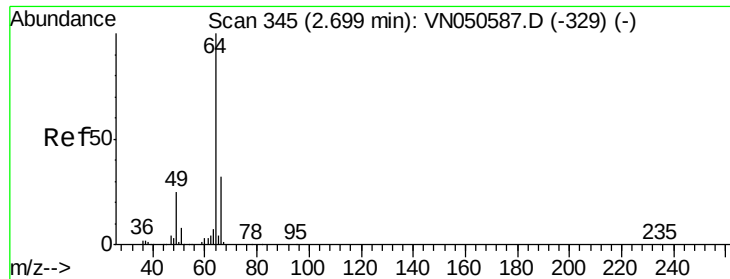
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

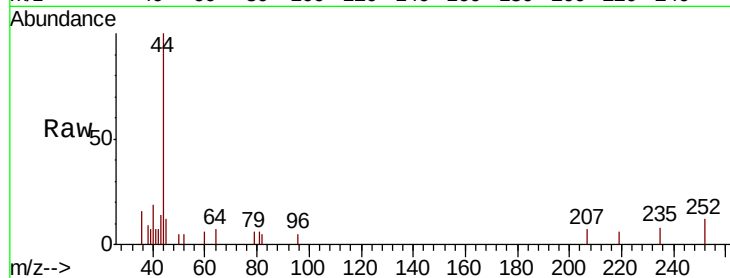
946-MW-07(22.5)

Tgt Ion: 64 Resp: 237

Ion Ratio Lower Upper

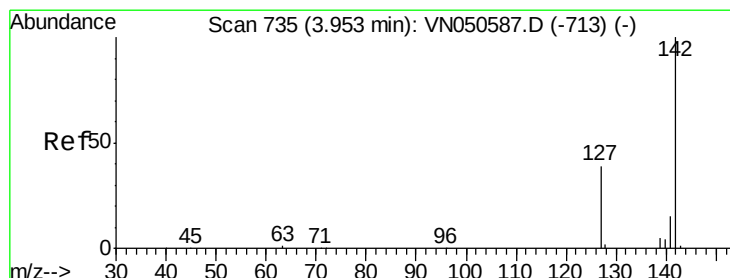
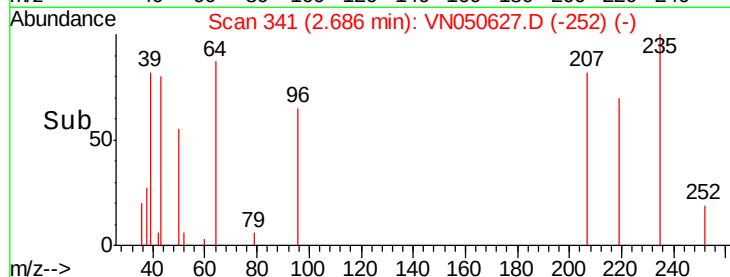
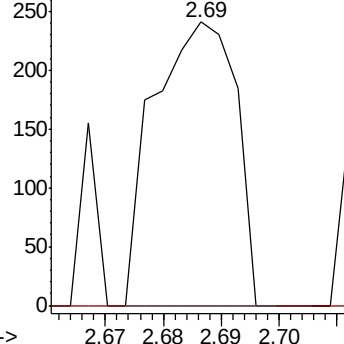
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#10

Methyl Iodide

Concen: 7.128 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

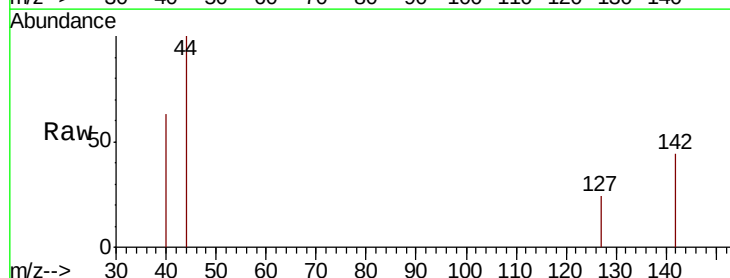
Tgt Ion: 142 Resp: 1105

Ion Ratio Lower Upper

142 100

127 11.2 32.6 49.0#

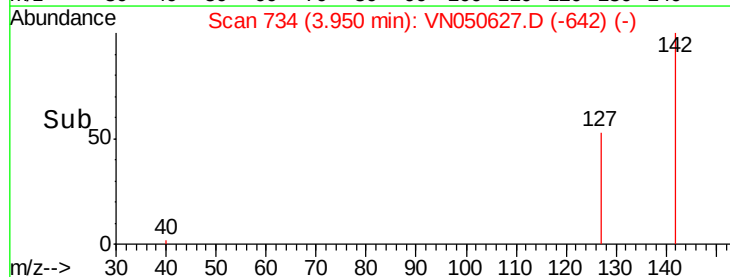
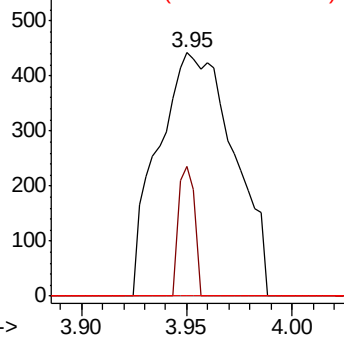
141 0.0 11.5 17.3#

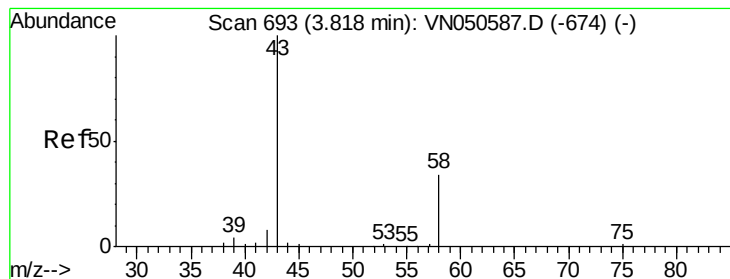


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 3.094 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

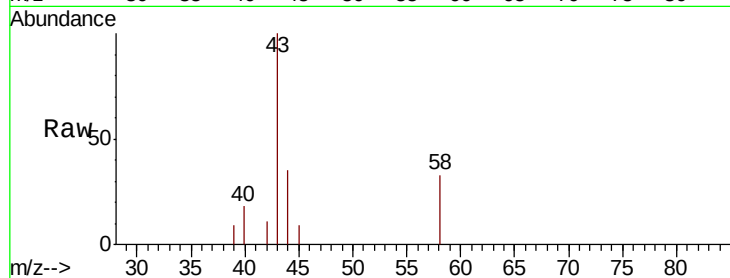
946-MW-07(22.5)

Tgt Ion: 43 Resp: 8938

Ion Ratio Lower Upper

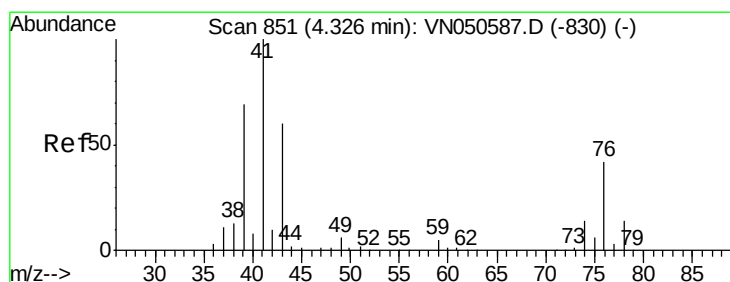
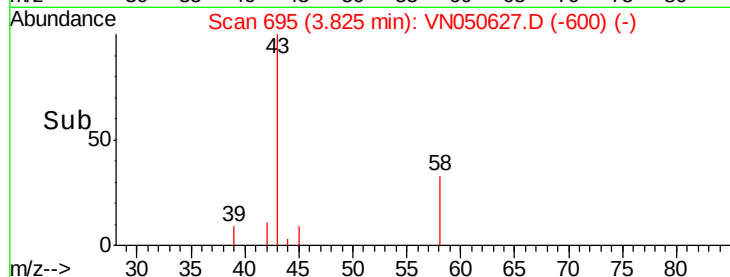
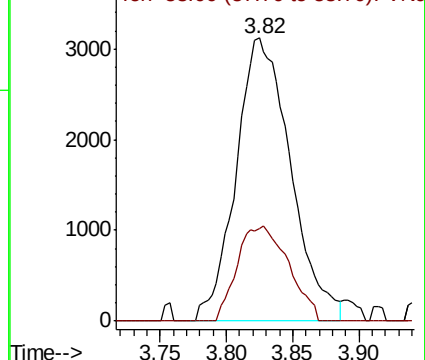
43 100

58 32.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050627.D

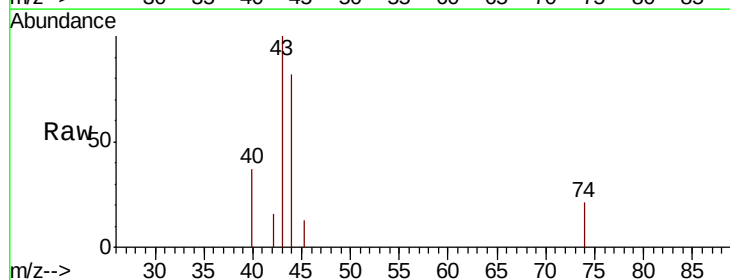
Acq: 15 Aug 2018 2:17

Tgt Ion: 43 Resp: 4009

Ion Ratio Lower Upper

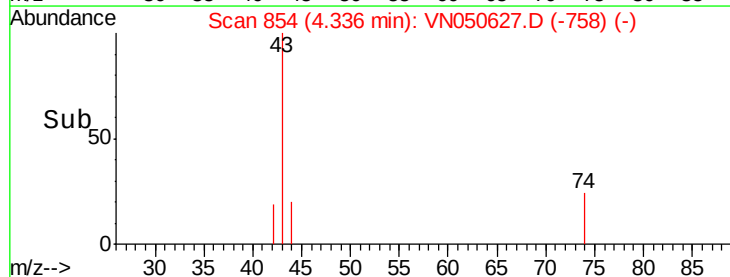
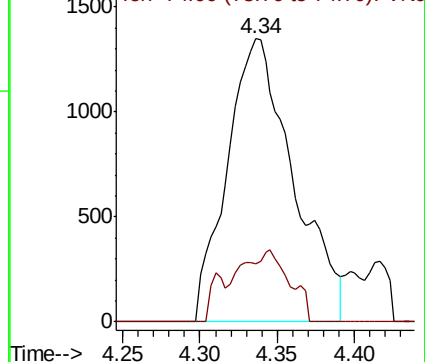
43 100

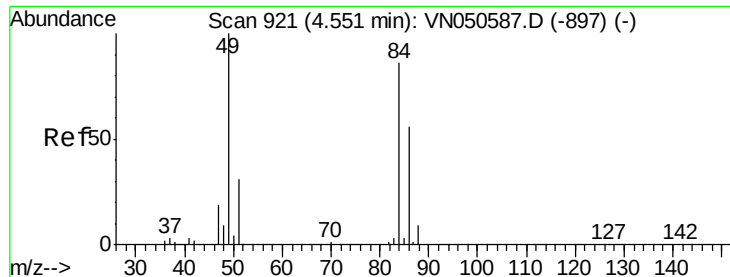
74 18.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

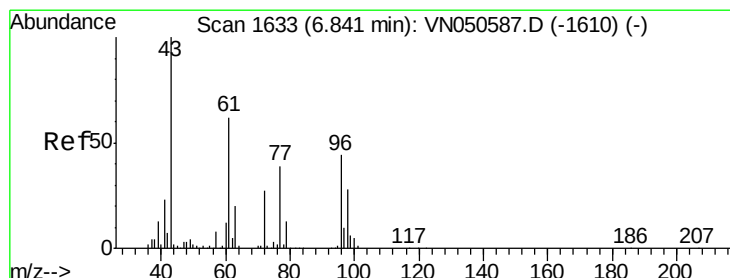
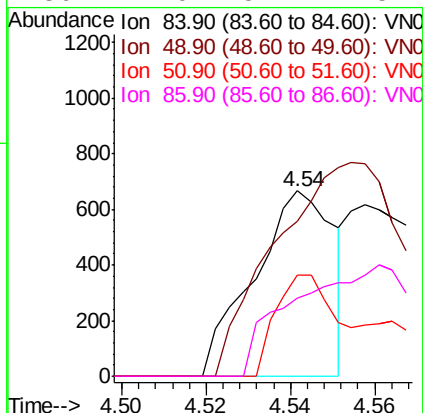
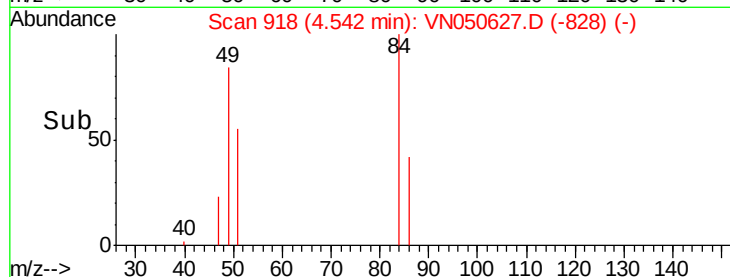
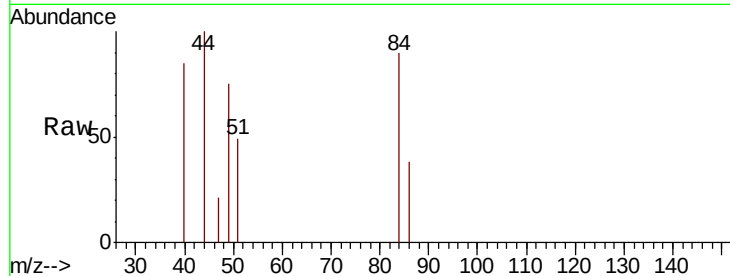




#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

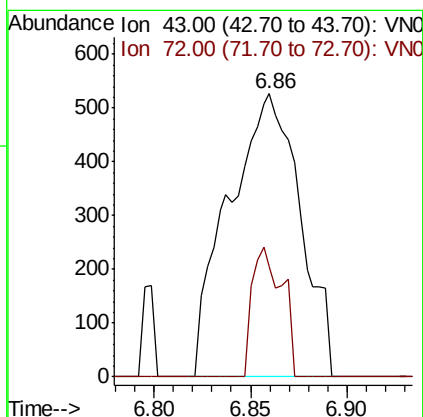
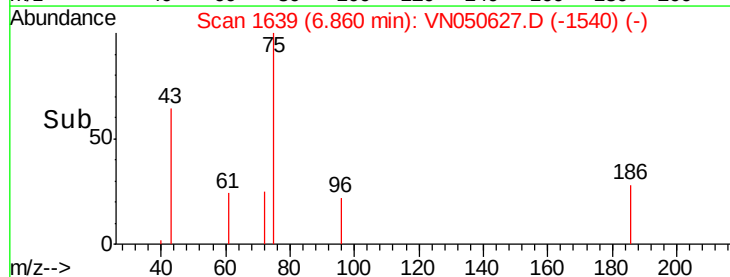
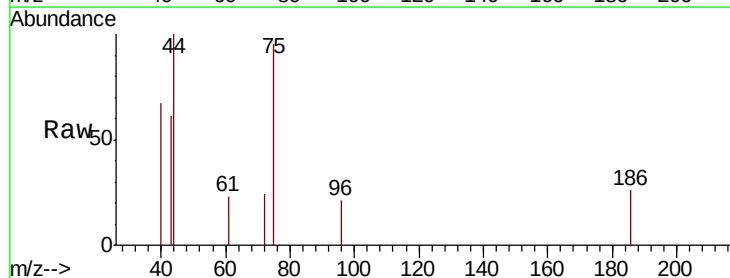
Instrument :
MSVOA_N
ClientSampleId :
946-MW-07(22.5)

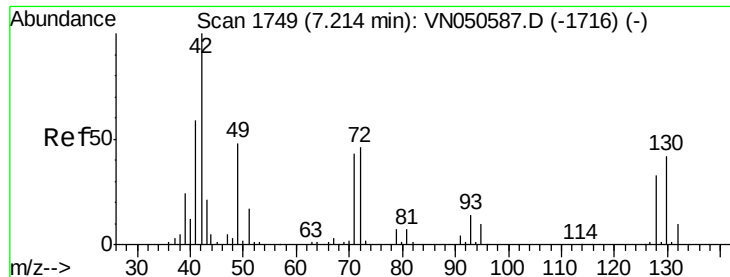
Tgt Ion: 84 Resp: 872
Ion Ratio Lower Upper
84 100
49 83.6 92.6 138.8#
51 54.5 28.6 43.0#
86 42.0 52.2 78.2#



#25
2-Butanone
Concen: 0.417 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
72 38.9 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

946-MW-07(22.5)

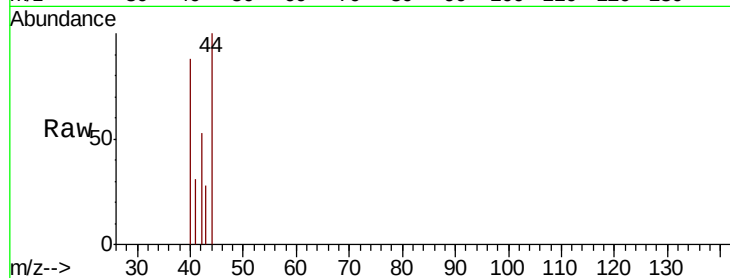
Tgt Ion: 42 Resp: 744

Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.6#

71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.22

400

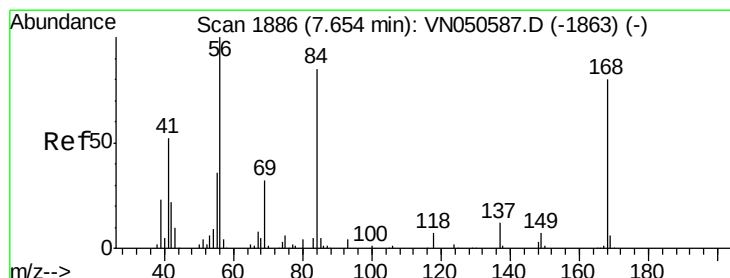
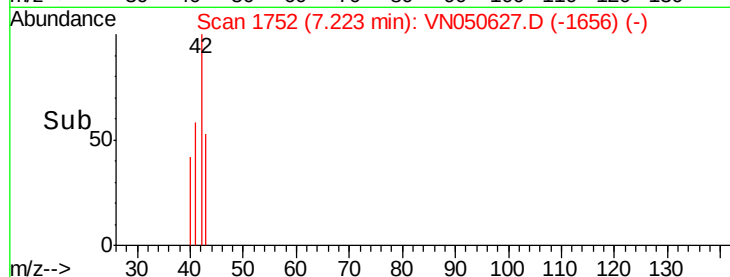
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.627 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

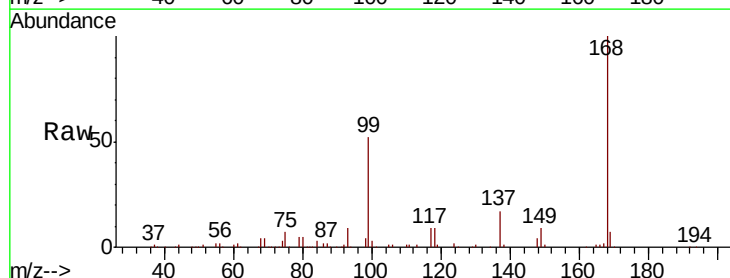
Tgt Ion: 56 Resp: 11606

Ion Ratio Lower Upper

56 100

69 192.6 25.8 38.6#

84 153.2 67.8 101.6#



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

12000

10000

8000

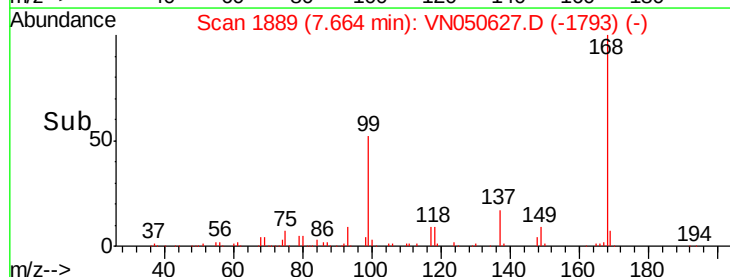
6000

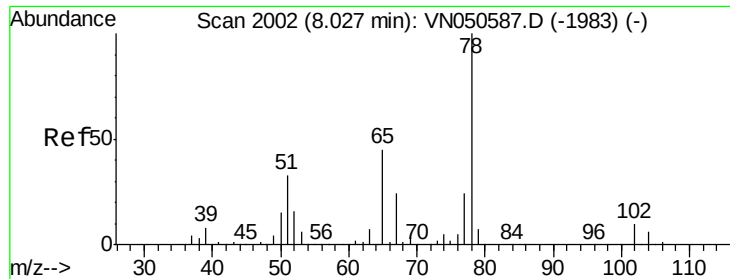
4000

2000

0

Time-->

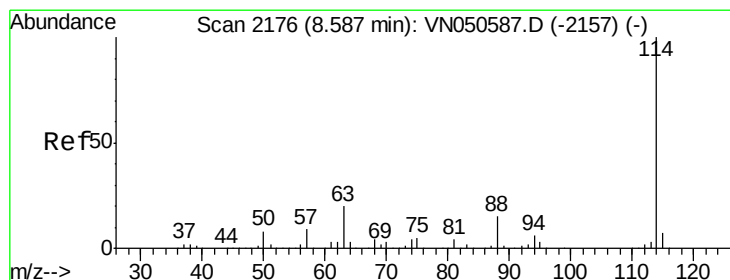
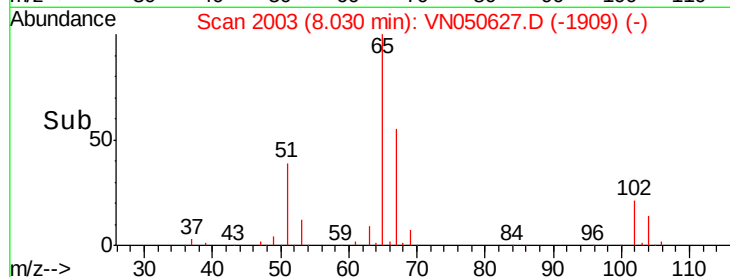
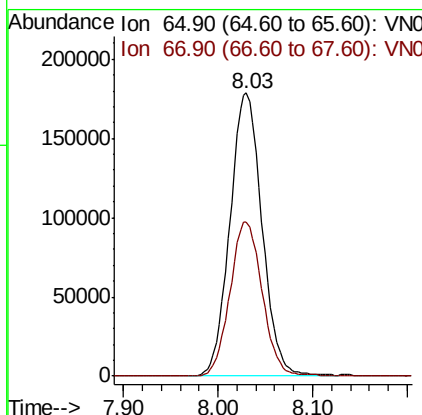
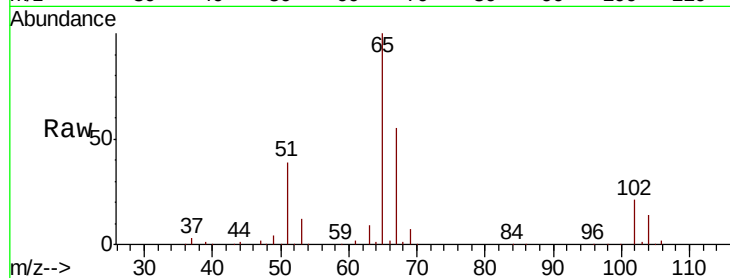




#33
 1,2-Dichloroethane-d4
 Concen: 53.311 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050627.D
 Acq: 15 Aug 2018 2:17

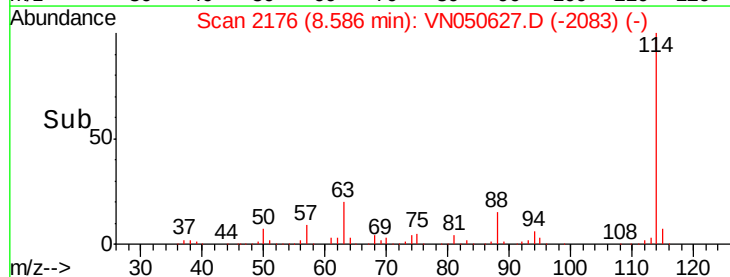
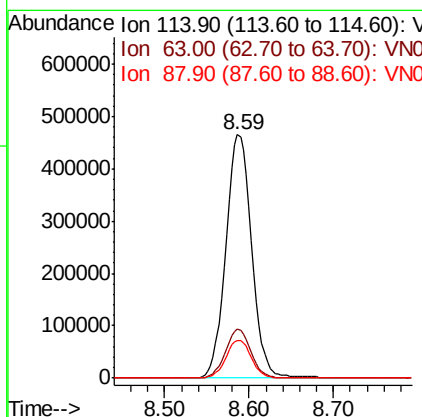
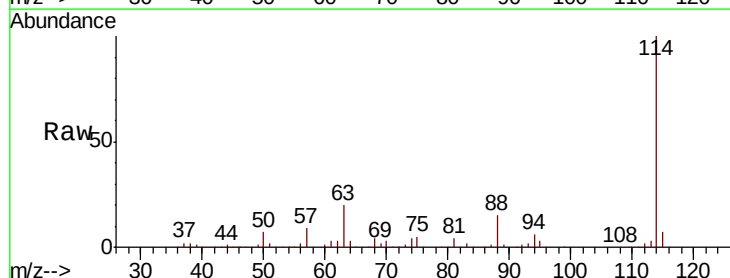
Instrument :
 MSVOA_N
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 946-MW-07(22.5)

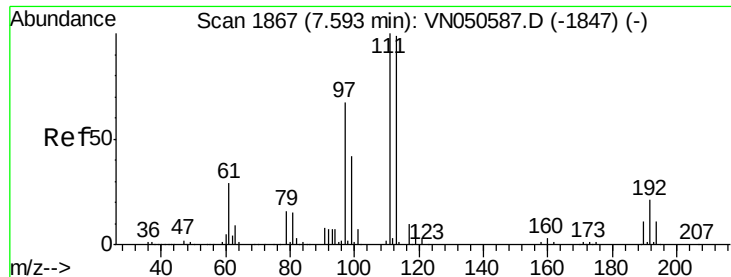
Tgt Ion: 65 Resp: 421658
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050627.D
 Acq: 15 Aug 2018 2:17

Tgt Ion: 114 Resp: 989132
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.4 0.0 30.8

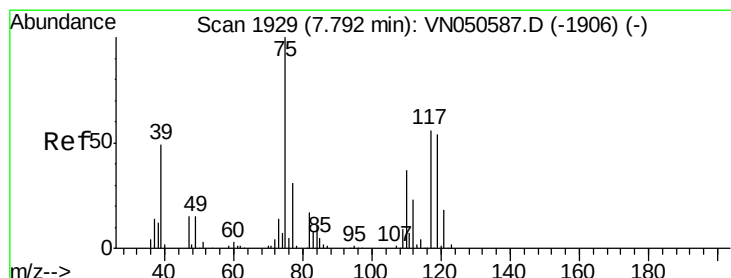
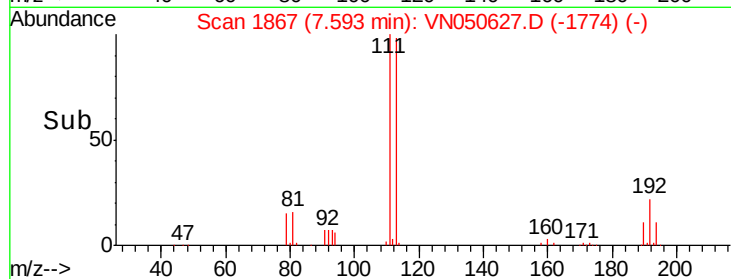
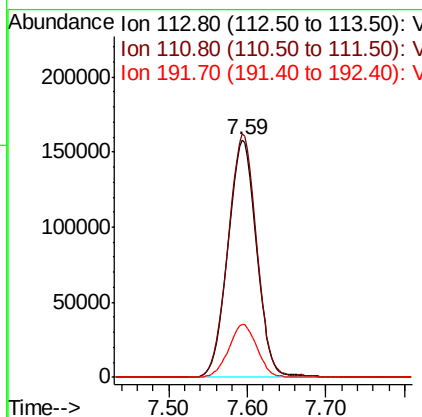
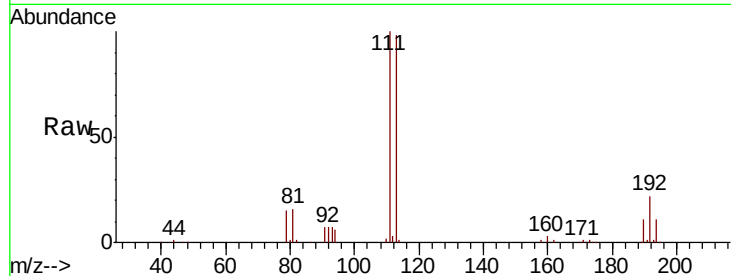




#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050627.D
 Acq: 15 Aug 2018 2:17

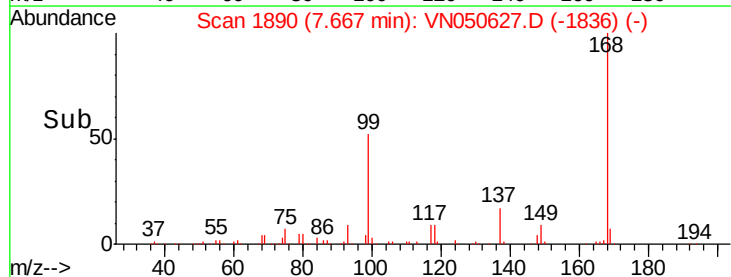
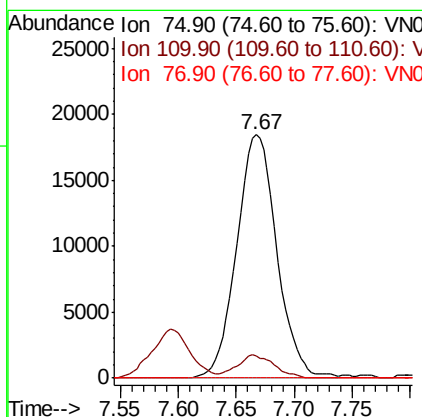
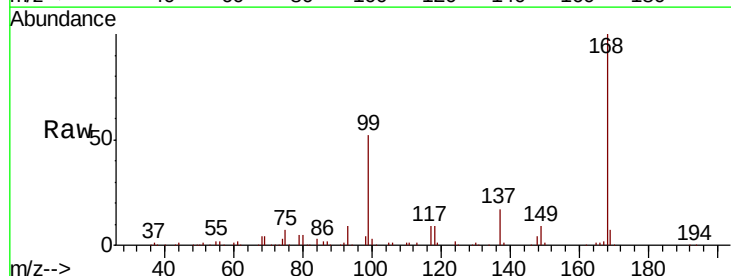
Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

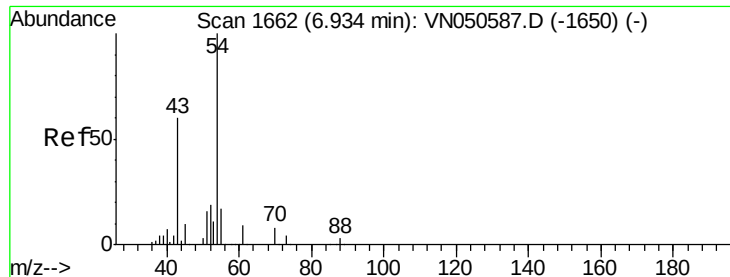
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.6
192	22.1	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 4.048 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050627.D
 Acq: 15 Aug 2018 2:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	25.0	37.4#

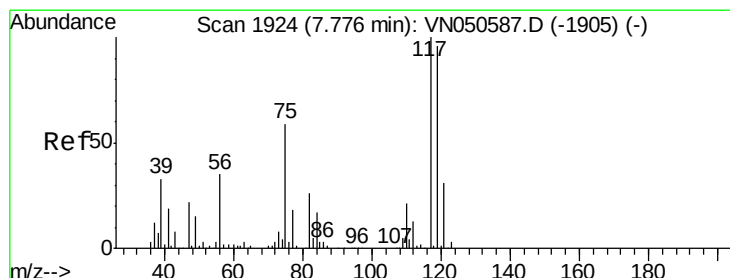
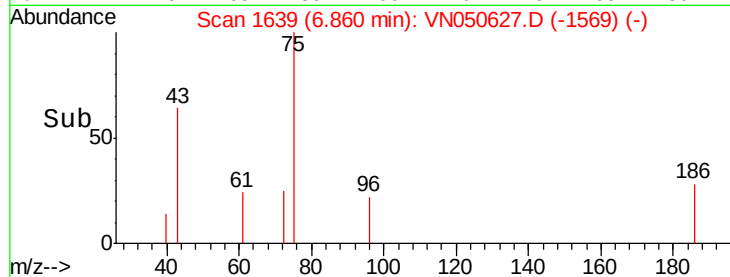
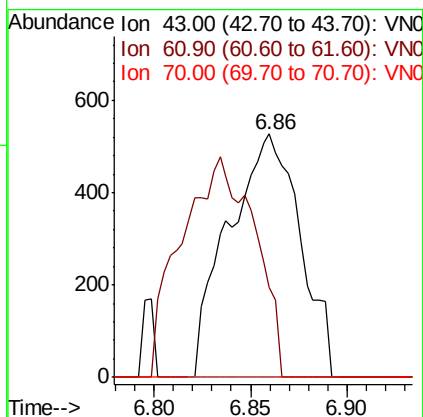
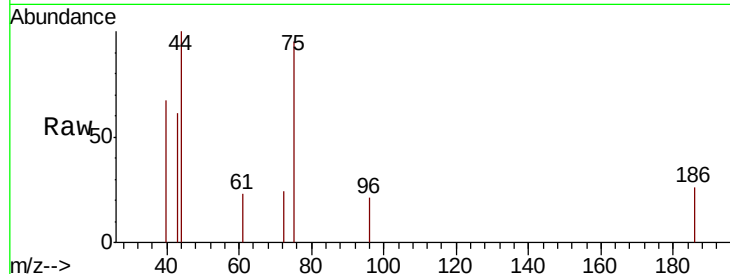




#37
Ethyl Acetate
Concen: 0.217 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. -0.07 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

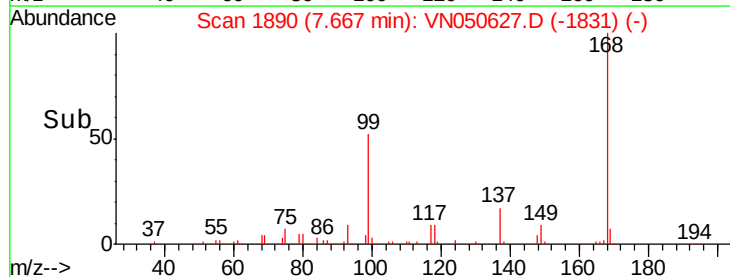
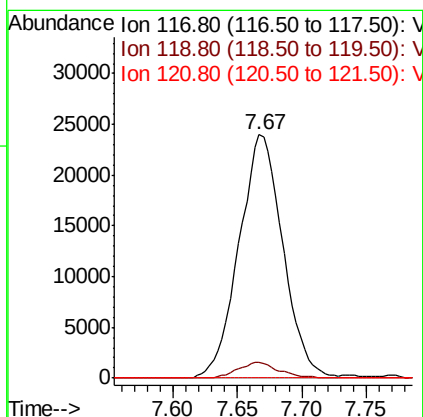
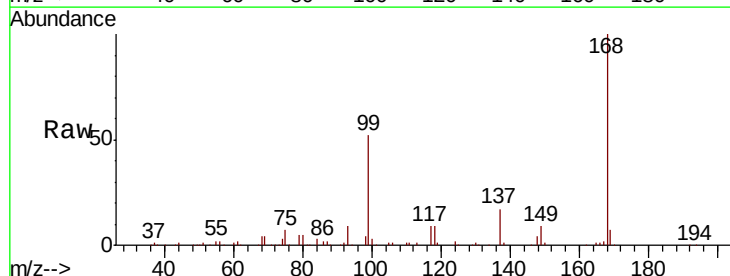
Instrument :
MSVOA_N
ClientSampleId :
946-MW-07(22.5)

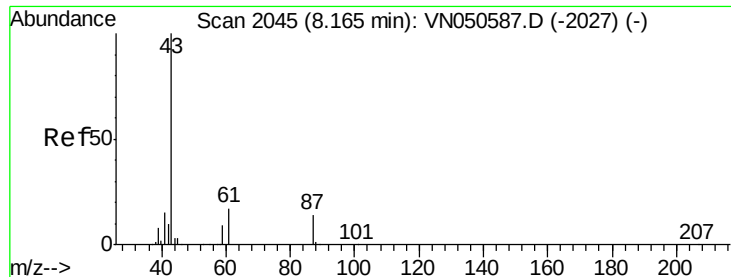
Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 4.976 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

Tgt Ion: 117 Resp: 56838
Ion Ratio Lower Upper
117 100
119 6.6 76.6 115.0#
121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 1.551 ug/l

RT: 8.26 min Scan# 2076

Delta R.T. 0.10 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

946-MW-07(22.5)

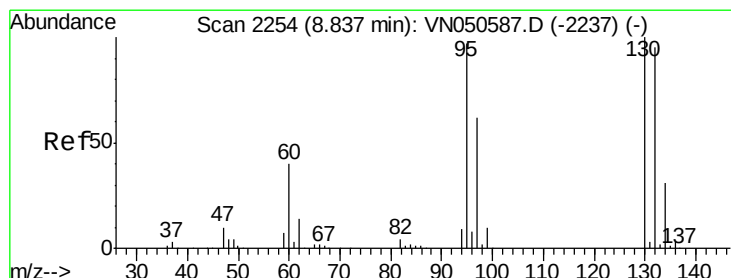
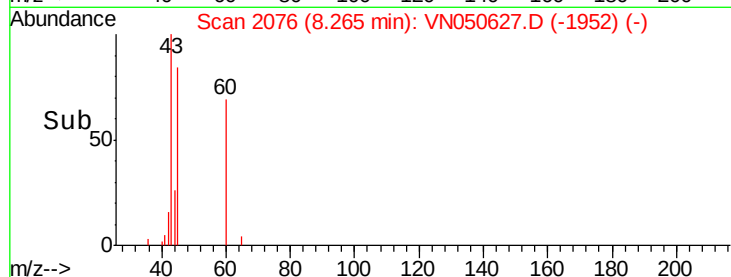
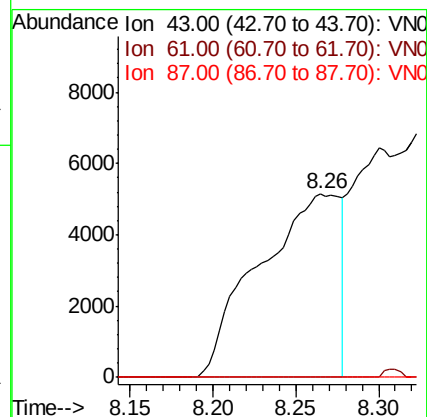
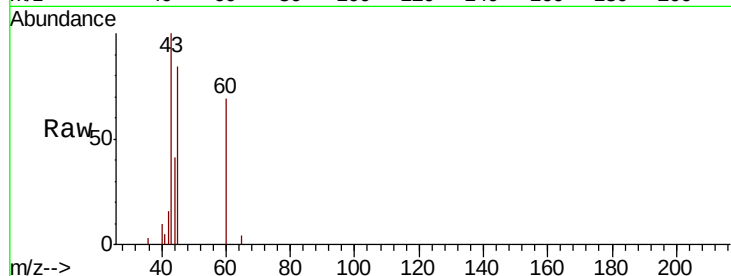
Tgt Ion: 43 Resp: 17589

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

87 0.0 10.9 16.3#



#44

Trichloroethene

Concen: 0.303 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050627.D

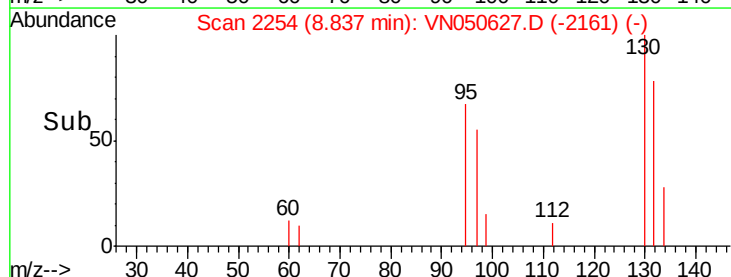
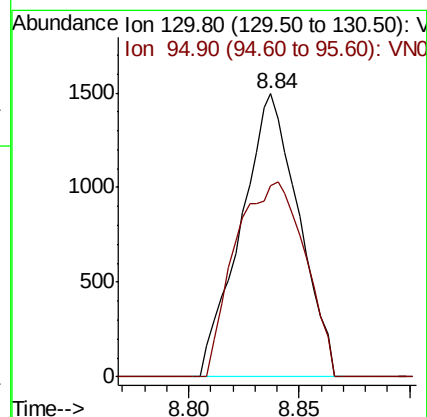
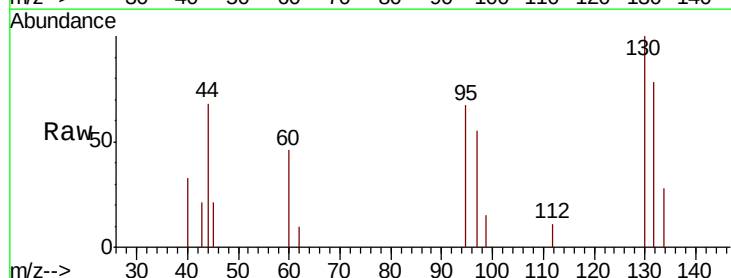
Acq: 15 Aug 2018 2:17

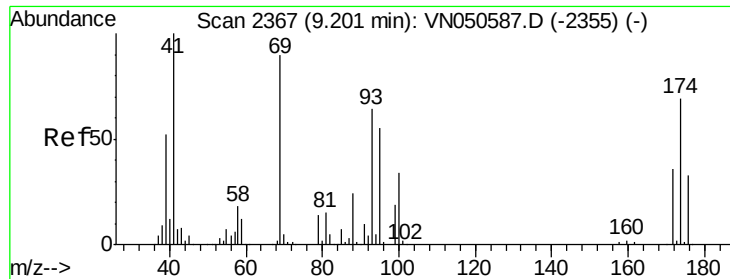
Tgt Ion: 130 Resp: 2719

Ion Ratio Lower Upper

130 100

95 67.4 0.0 193.8

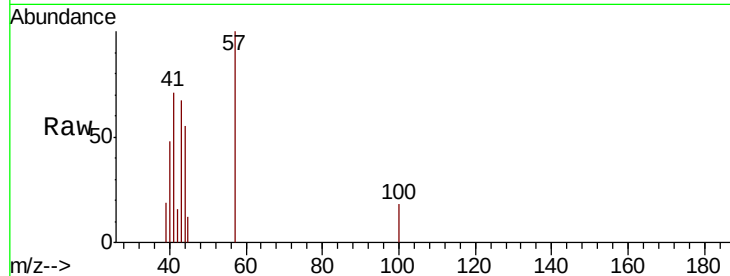




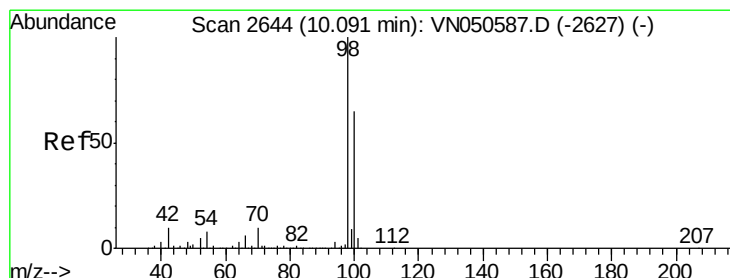
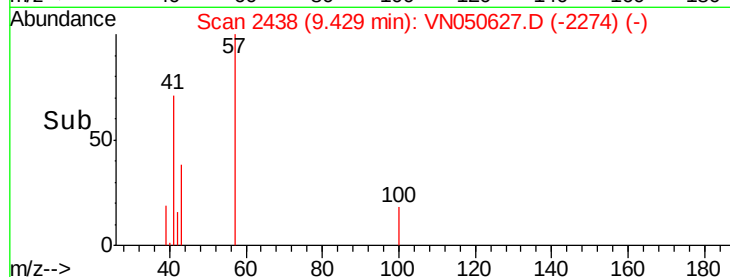
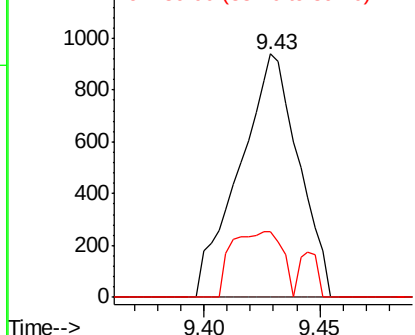
#48
Methyl methacrylate
Concen: 0.291 ug/l
RT: 9.43 min Scan# 2438
Delta R.T. 0.23 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

Instrument :
MSVOA_N
ClientSampleId :
946-MW-07(22.5)

Tgt Ion: 41 Resp: 1663
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 23.1 43.0 64.6#

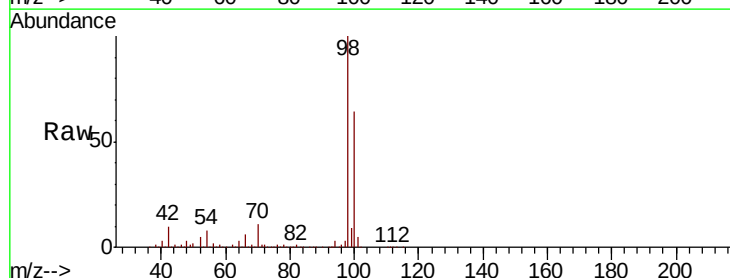


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

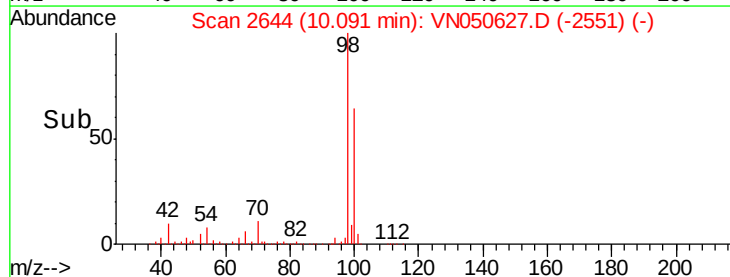
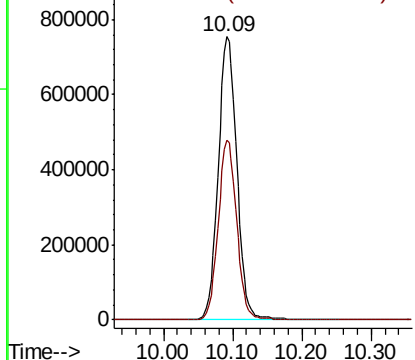


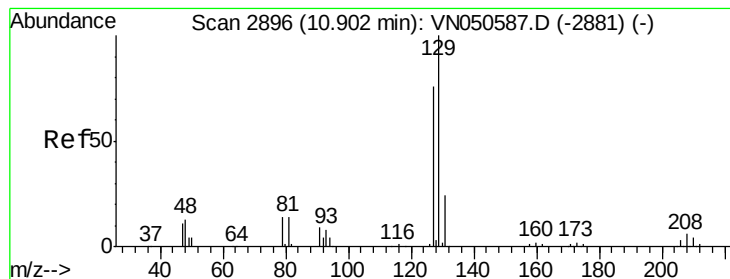
#50
Toluene-d8
Concen: 47.320 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

Tgt Ion: 98 Resp: 1406346
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#60

Dibromochloromethane

Concen: 7.991 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.27 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

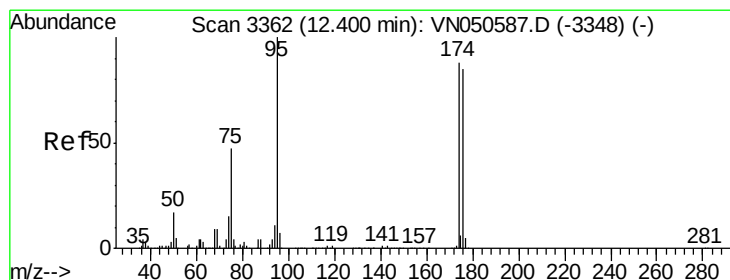
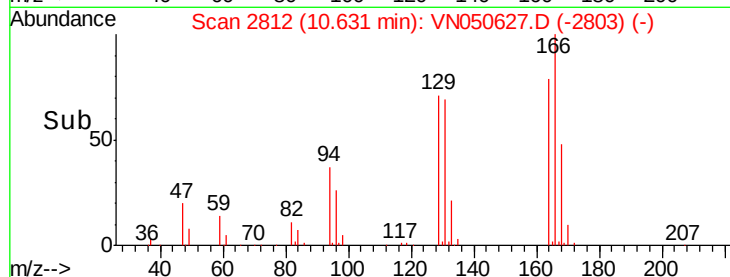
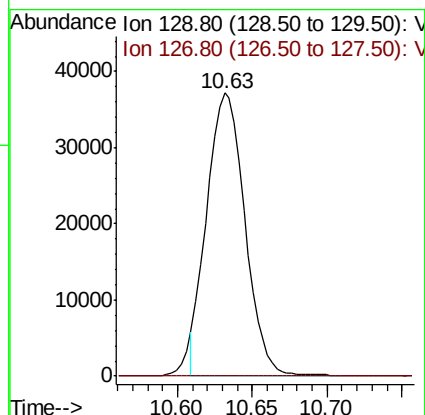
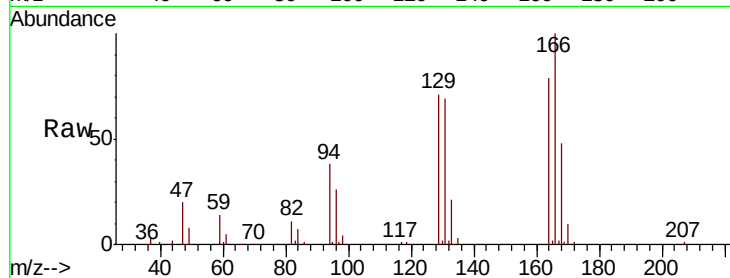
946-MW-07(22.5)

Tgt Ion: 129 Resp: 65894

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



#62

4-Bromofluorobenzene

Concen: 37.955 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

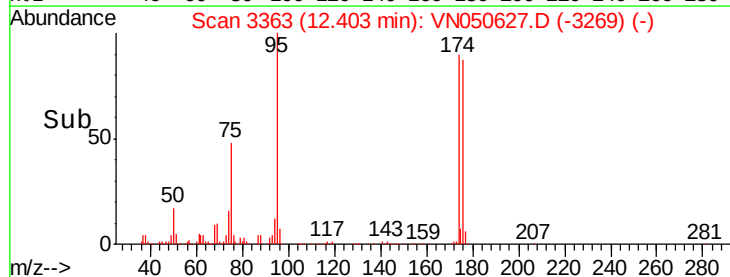
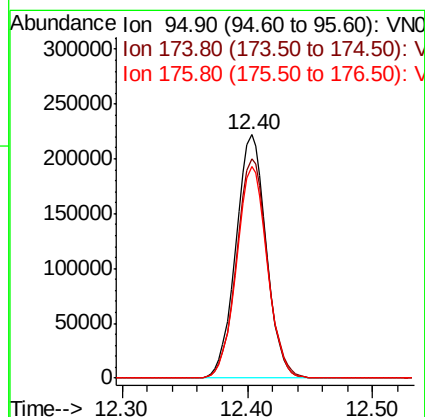
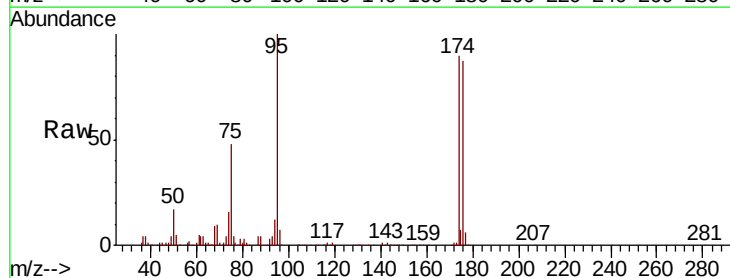
Tgt Ion: 95 Resp: 372657

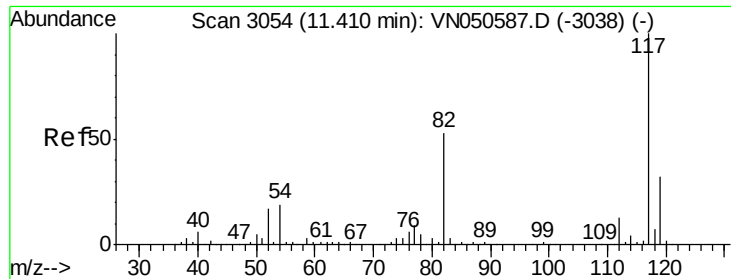
Ion Ratio Lower Upper

95 100

174 91.7 0.0 177.8

176 88.0 0.0 175.0

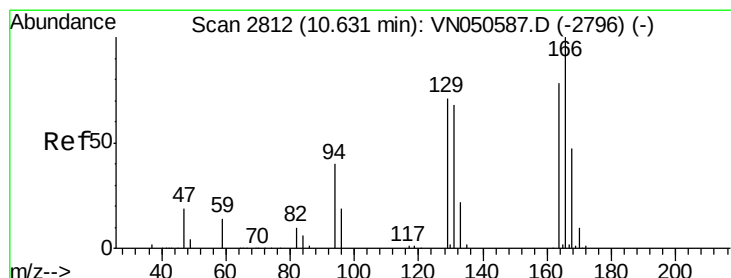
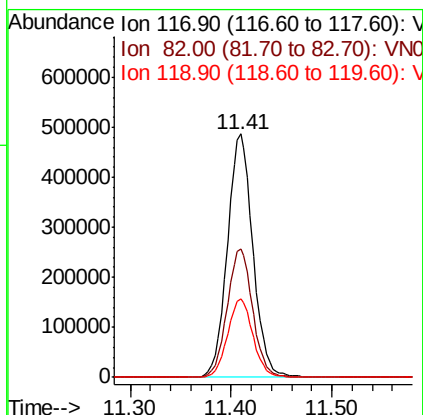
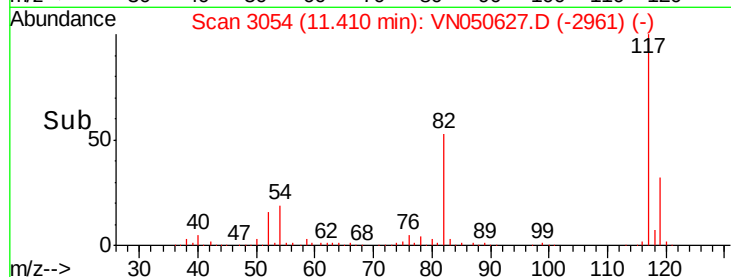
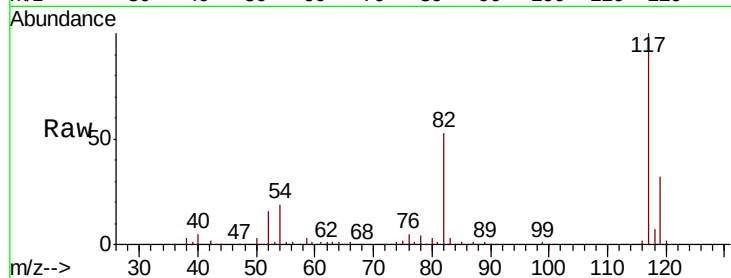




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

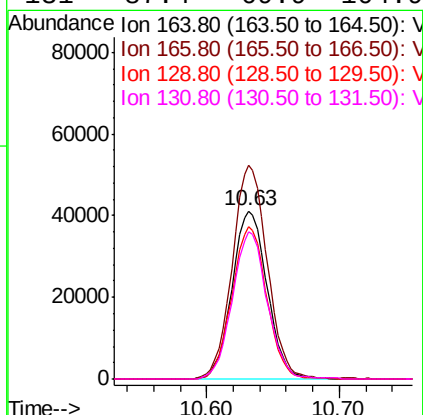
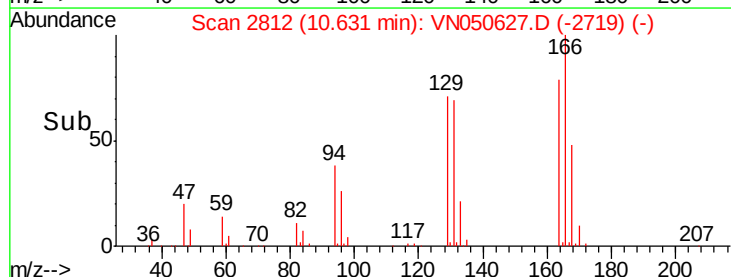
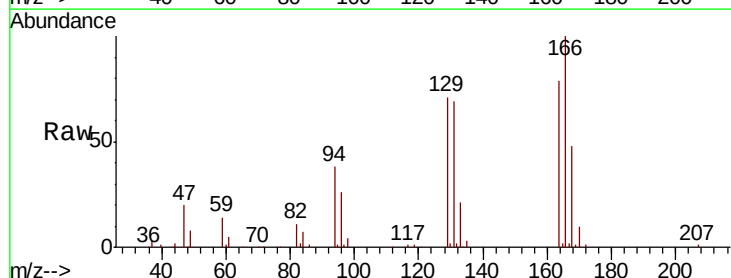
Instrument :
MSVOA_N
ClientSampleId :
946-MW-07(22.5)

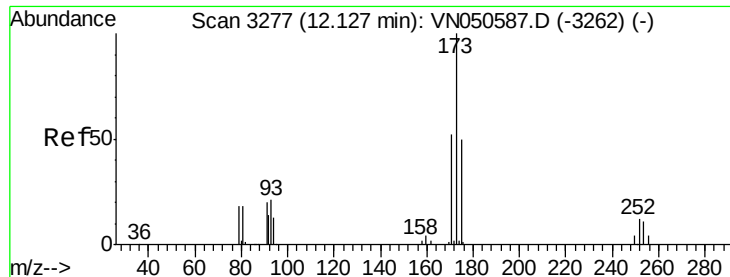
Tgt Ion:117 Resp: 855740
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 9.495 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050627.D
Acq: 15 Aug 2018 2:17

Tgt Ion:164 Resp: 75458
Ion Ratio Lower Upper
164 100
166 127.2 102.1 153.1
129 90.4 72.7 109.1
131 87.4 69.9 104.9





#71

Bromoform

Concen: 0.614 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

946-MW-07(22.5)

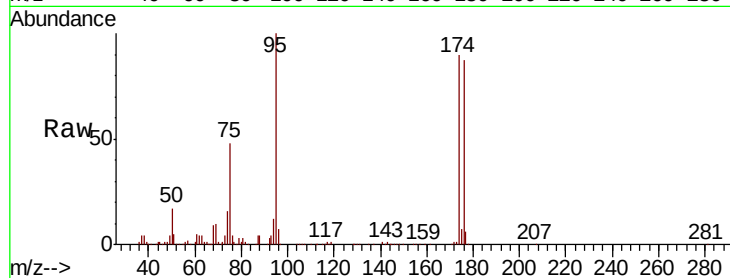
Tgt Ion:173 Resp: 3253

Ion Ratio Lower Upper

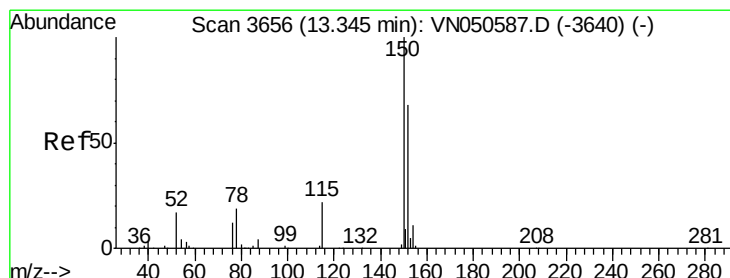
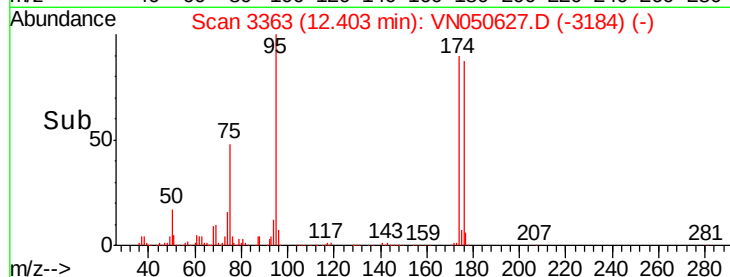
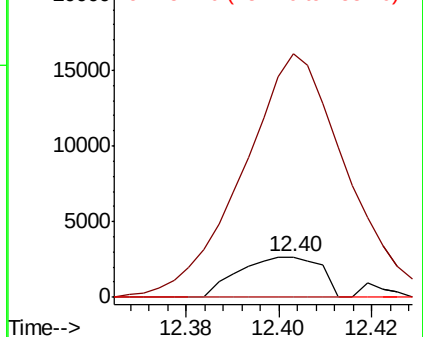
173 100

175 644.7 24.4 73.2#

254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

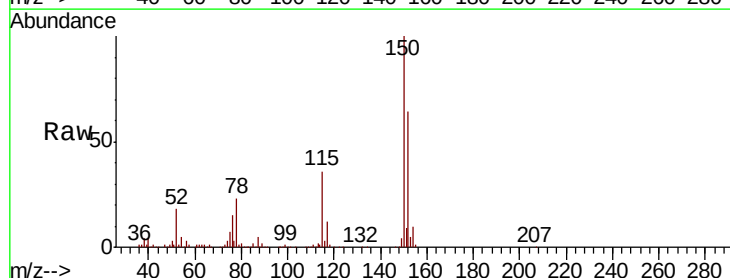
Tgt Ion:152 Resp: 296229

Ion Ratio Lower Upper

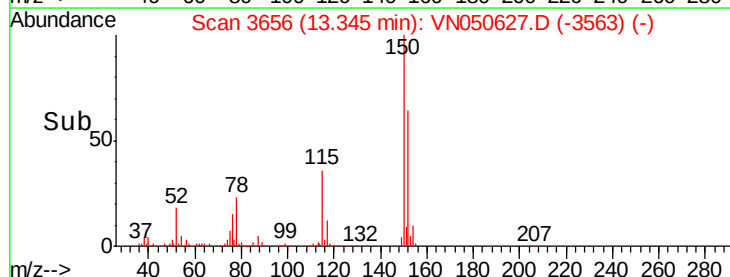
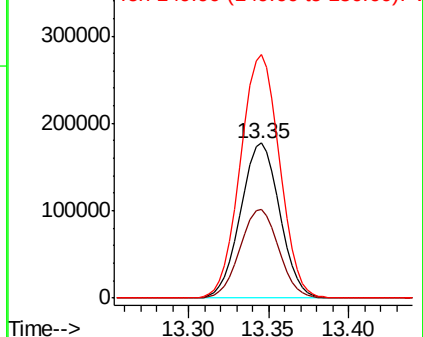
152 100

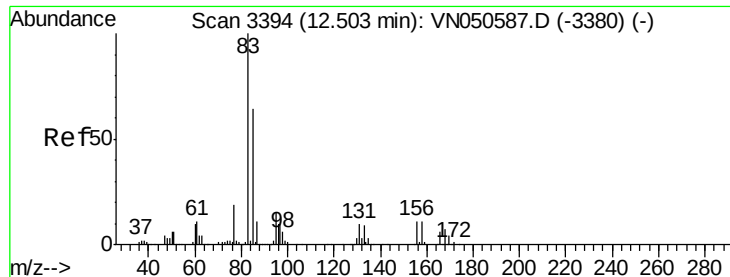
115 56.6 28.1 84.2

150 157.0 0.0 347.8



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050627.D

Acq: 15 Aug 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

946-MW-07(22.5)

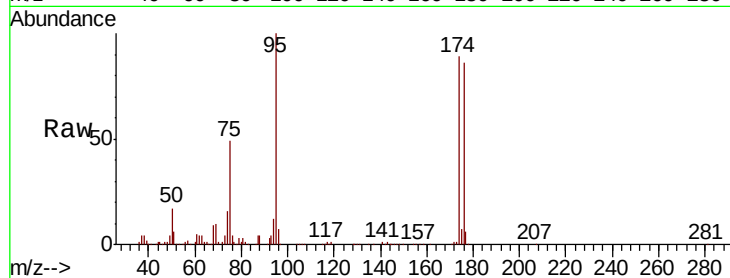
Tgt Ion: 83 Resp: 231

Ion Ratio Lower Upper

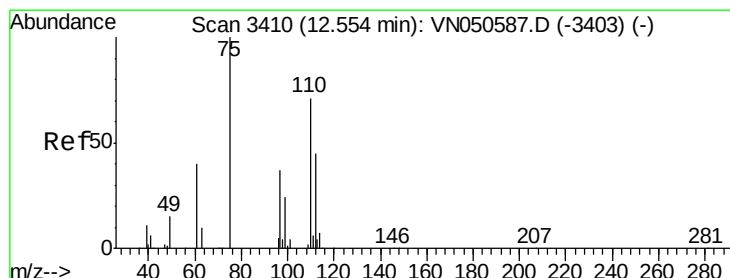
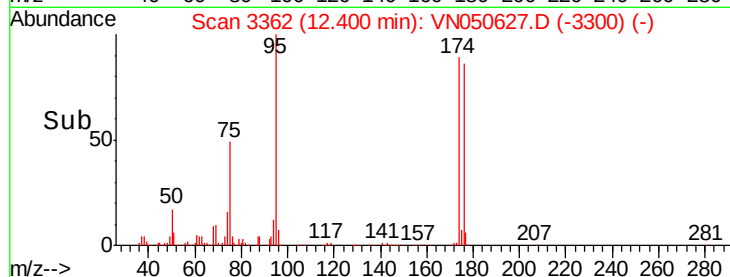
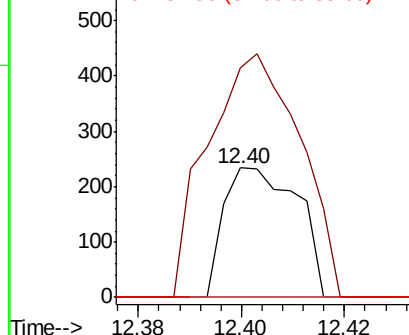
83 100

131 235.9 5.3 15.9#

85 0.0 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 36.737 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050627.D

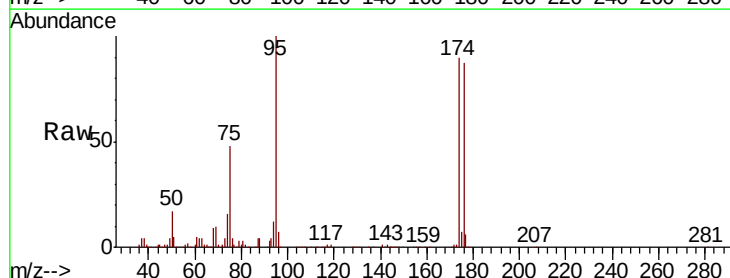
Acq: 15 Aug 2018 2:17

Tgt Ion: 75 Resp: 177129

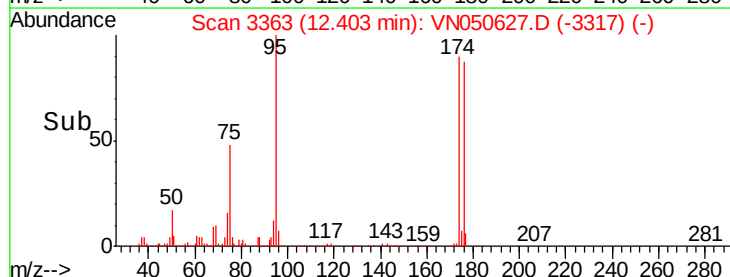
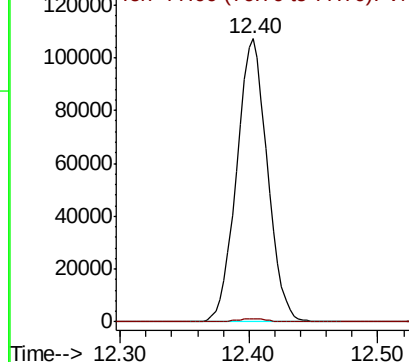
Ion Ratio Lower Upper

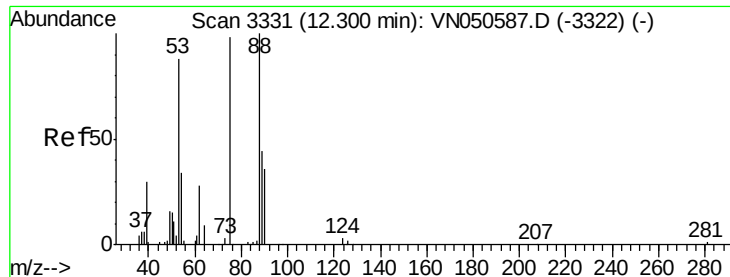
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

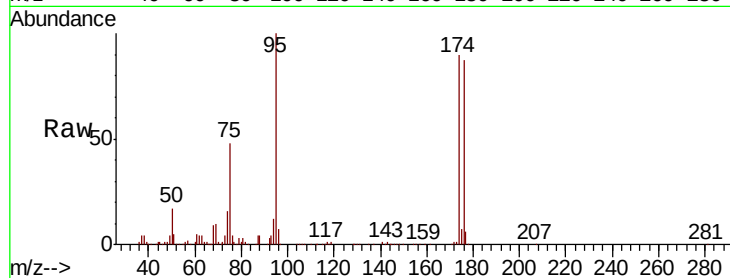




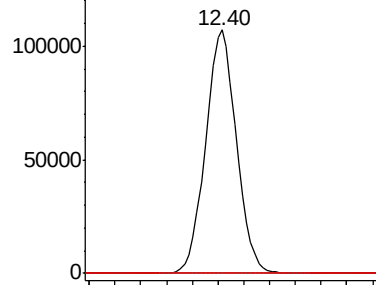
#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.936 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050627.D
 Acq: 15 Aug 2018 2:17

Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

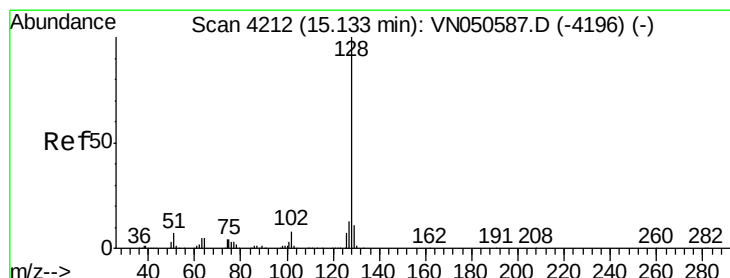
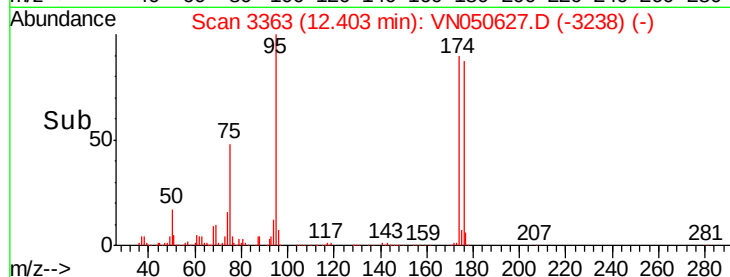
Tgt Ion: 75 Resp: 177129
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.2 108.2#
 89 0.0 36.3 54.5#



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

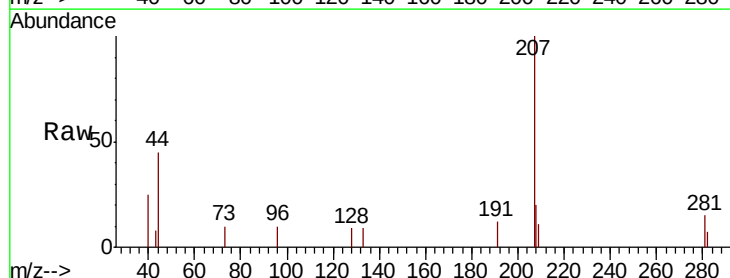


Time--> 12.30 12.40 12.50

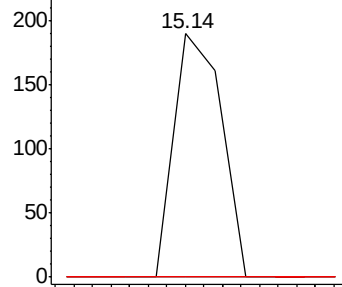


#95
 Naphthalene
 Concen: 3.866 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050627.D
 Acq: 15 Aug 2018 2:17

Tgt Ion: 128 Resp: 68
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time--> 15.13 15.14 15.15

