

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050291.D
 Acq On : 3 Aug 2018 3:23
 Operator : MD\SY
 Sample : J4304-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Aug 03 04:38:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	625090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1063091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	870830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302204	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	457863	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
35) Dibromofluoromethane	7.59	113	409536	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
50) Toluene-d8	10.09	98	1426697	44.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.42%	
62) 4-Bromofluorobenzene	12.40	95	380204	36.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.36%	

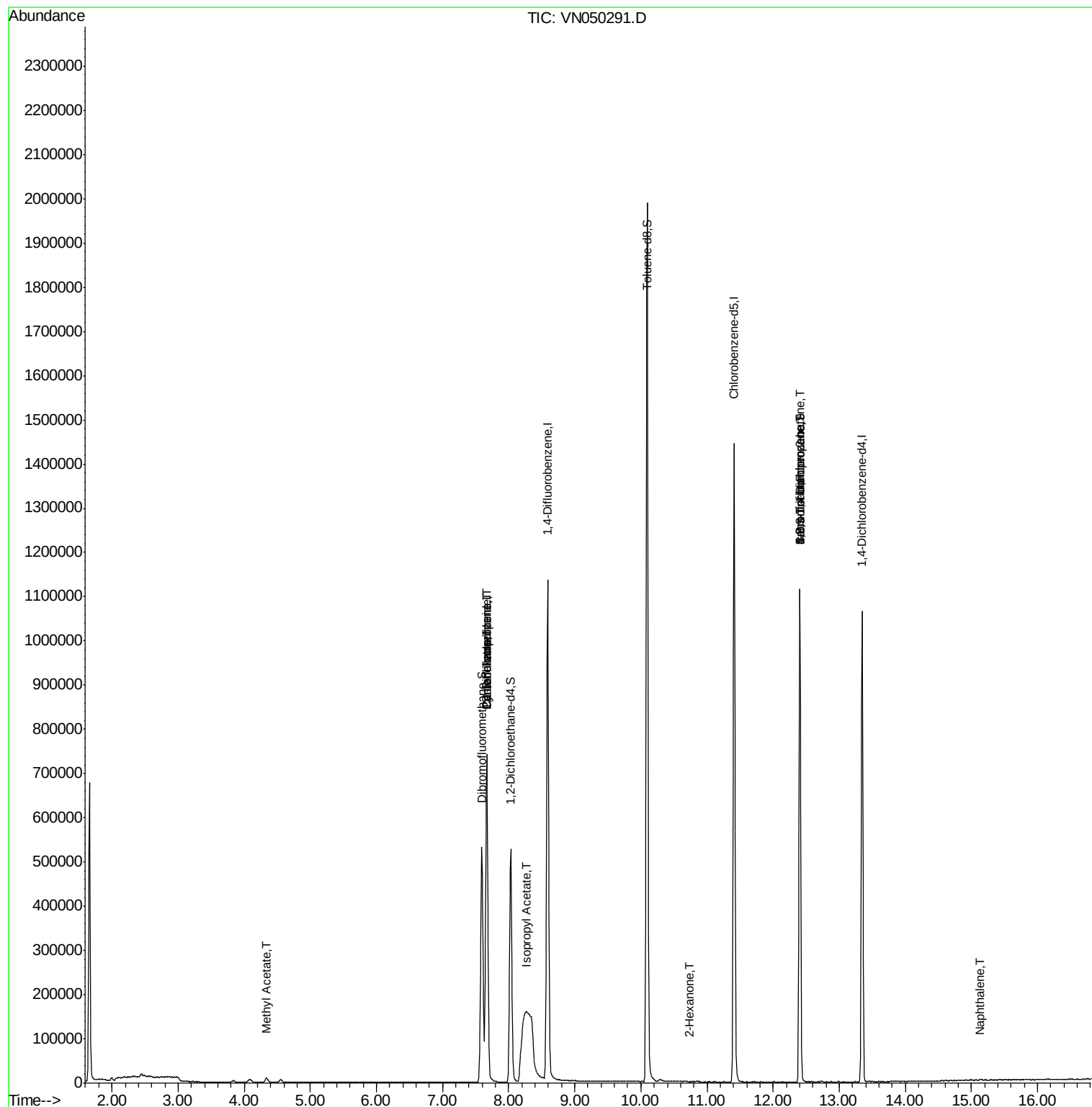
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	61	Below Cal		90
16) Acetone	3.84	43	5762	Below Cal		98
18) Methyl Acetate	4.34	43	19738	0.87 ug/l		94
20) Methylene Chloride	4.55	84	4867	Below Cal		92
31) Cyclohexane	7.67	56	12345	0.96 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	43846	3.66 ug/l #		48
38) Carbon Tetrachloride	7.67	117	57862	4.55 ug/l #		17
43) Isopropyl Acetate	8.27	43	299439	18.31 ug/l #		61
59) 2-Hexanone	10.75	43	183	5.20 ug/l #		24
71) Bromoform	12.40	173	3623	0.59 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.41	83	131	Below Cal #		1
76) 1,2,3-Trichloropropane	12.40	75	184223	32.80 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	184223	104.04 ug/l #		13
95) Naphthalene	15.13	128	1474	4.51 ug/l #		77

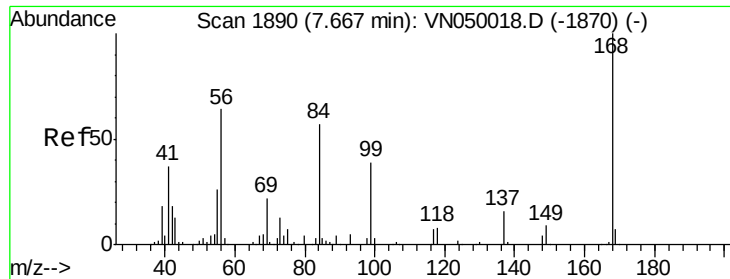
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

Instrument :

MSVOA_N

ClientSampleId :

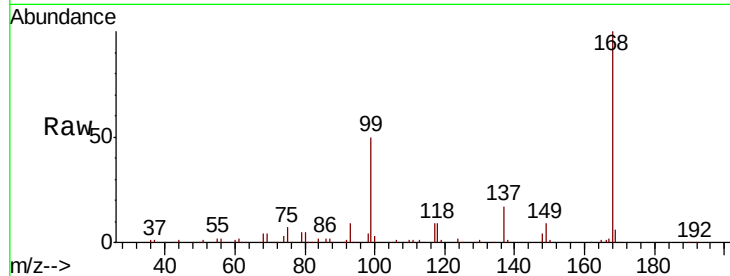
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Tot Ion:168 Resp: 625090

Ion Ratio Lower Upper

168 100

99 50.2 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

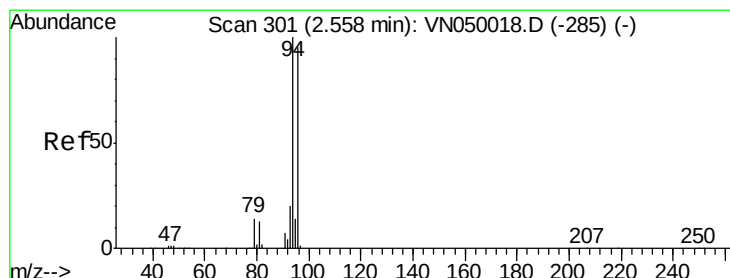
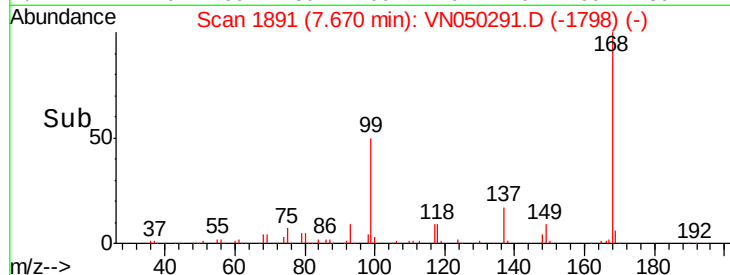
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VN050291.D

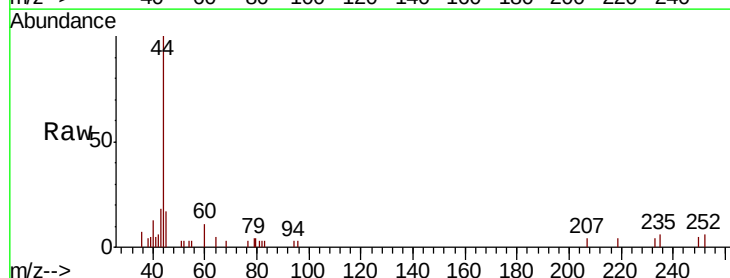
Acq: 3 Aug 2018 3:23

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 102.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

400

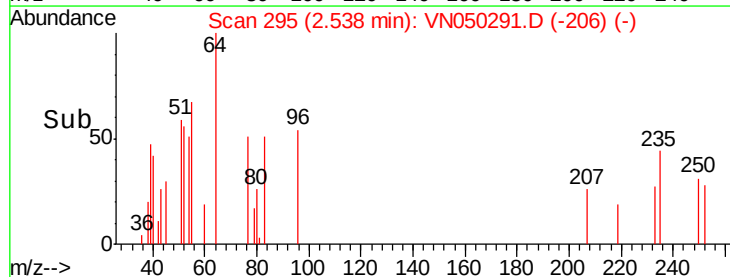
300

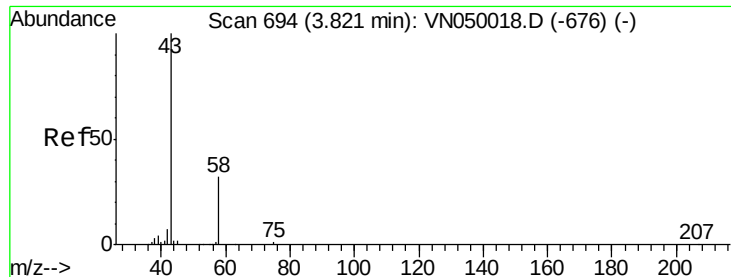
200

100

0

Time--> 2.53 2.54 2.54 2.54





#16

Acetone

Concen: Below Cal

RT: 3.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

Instrument :

MSVOA_N

ClientSampled :

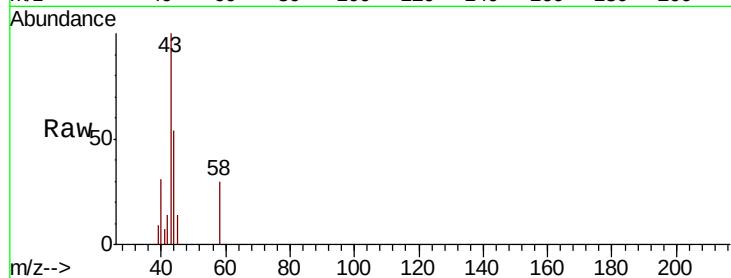
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Tot Ion: 43 Resp: 5762

Ion Ratio Lower Upper

43 100

58 33.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.84

2500

2000

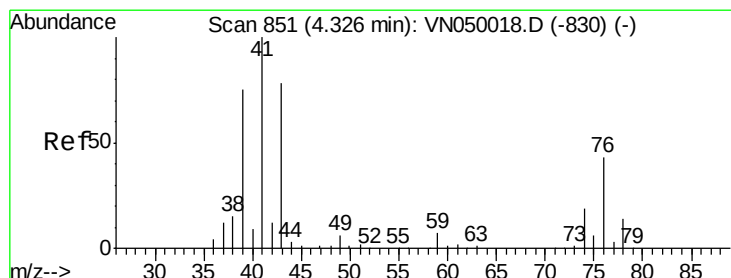
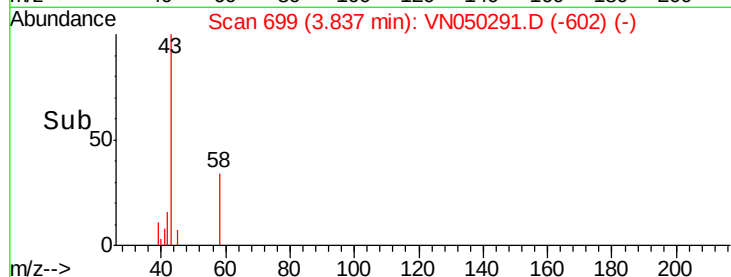
1500

1000

500

0

Time--> 3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 0.87 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050291.D

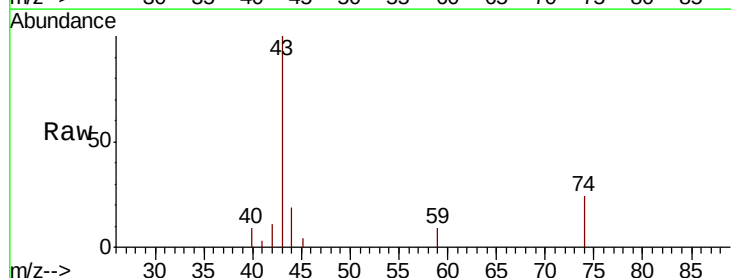
Acq: 3 Aug 2018 3:23

Tgt Ion: 43 Resp: 19738

Ion Ratio Lower Upper

43 100

74 21.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050018.D (-830) (-)

4.34

8000

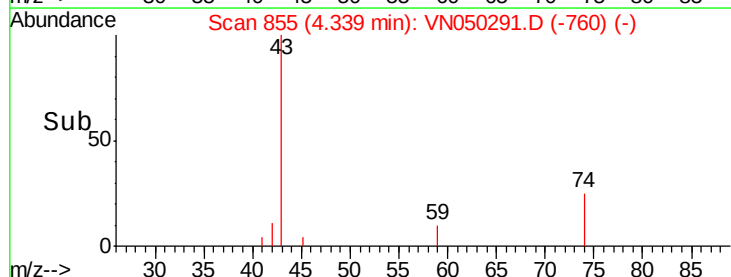
6000

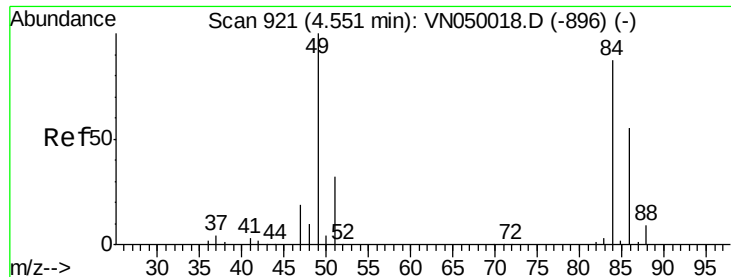
4000

2000

0

Time--> 4.20 4.30 4.40

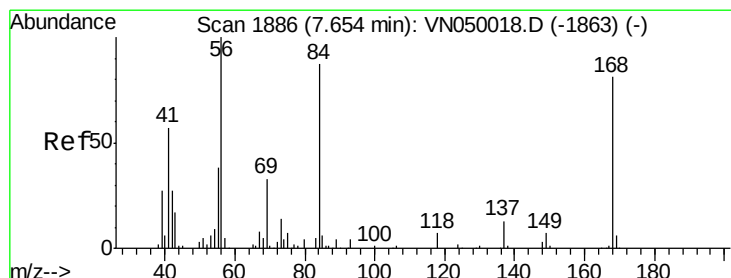
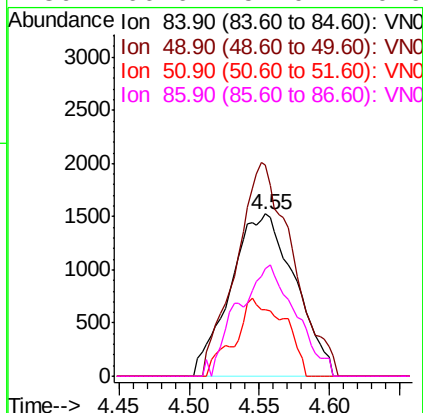
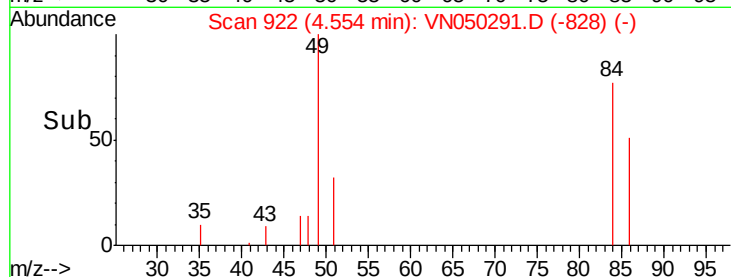
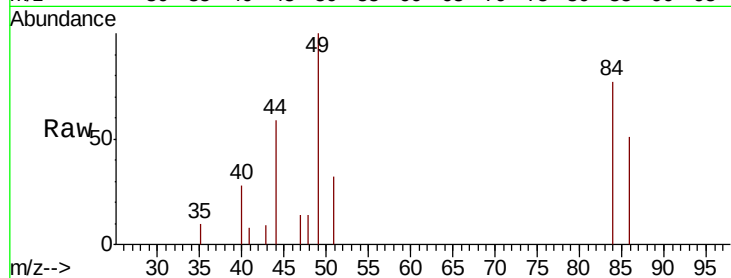




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050291.D
Acq: 3 Aug 2018 3:23

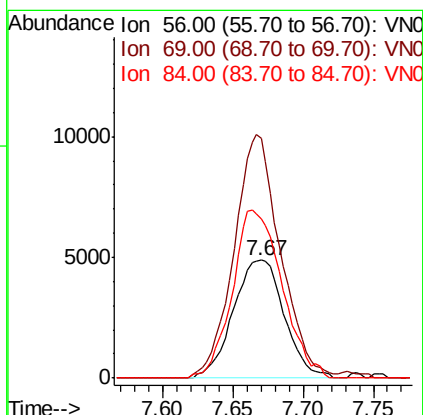
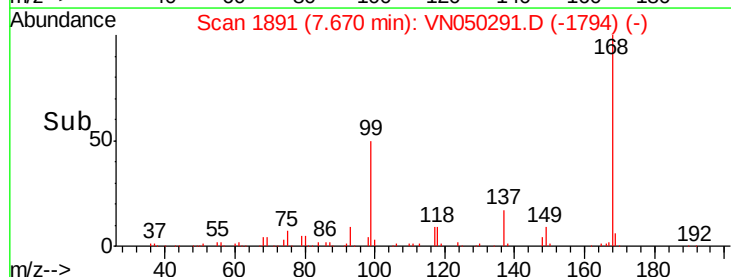
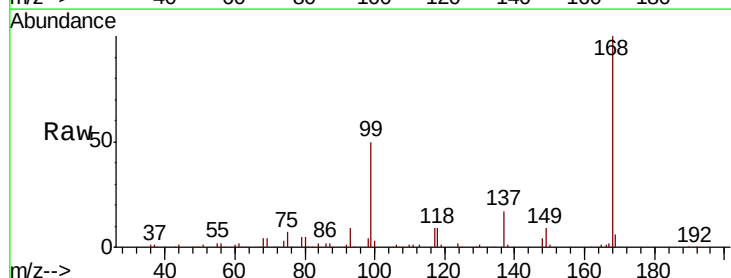
Instrument :
MSVOA_N
ClientSampleId :
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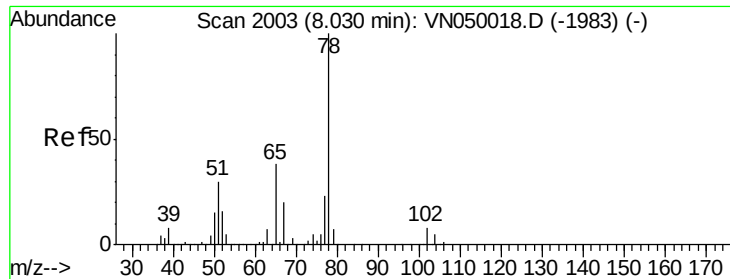
Tot Ion: 84 Resp: 4867
Ion Ratio Lower Upper
84 100
49 130.1 94.8 142.2
51 41.1 28.3 42.5
86 66.6 51.0 76.6



#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050291.D
Acq: 3 Aug 2018 3:23

Tgt Ion: 56 Resp: 12345
Ion Ratio Lower Upper
56 100
69 202.8 26.2 39.4#
84 135.3 67.4 101.0#

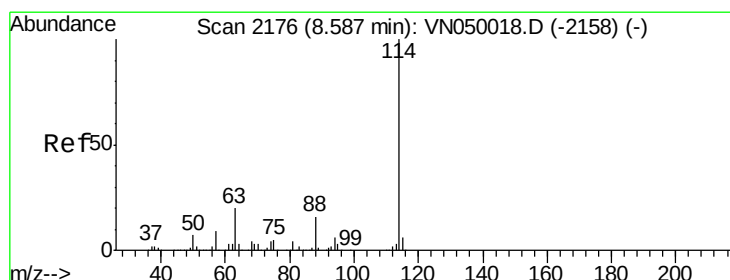
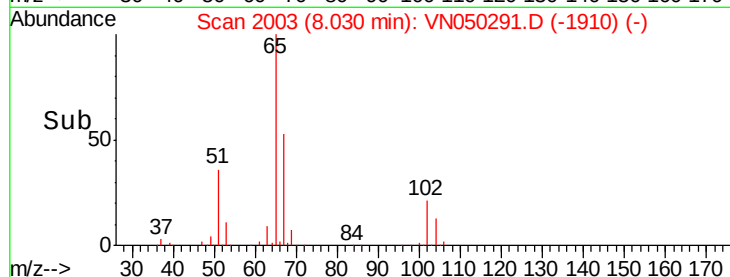
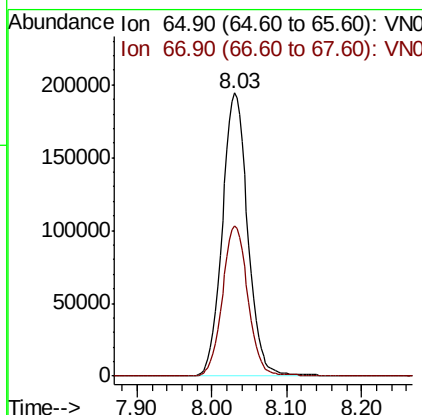
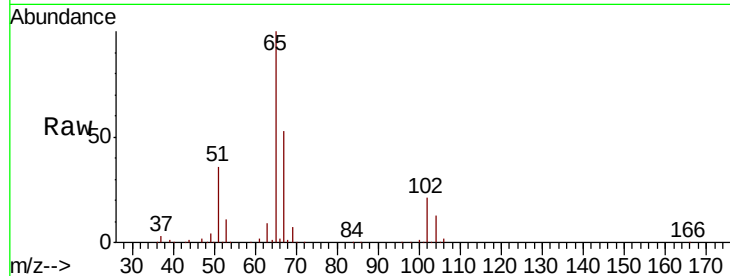




#33
 1,2-Dichloroethane-d4
 Concen: 52.50 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050291.D
 Acq: 3 Aug 2018 3:23

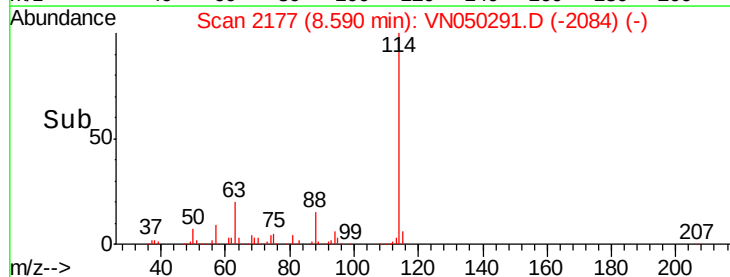
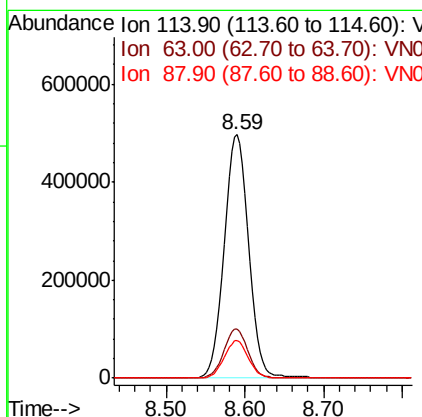
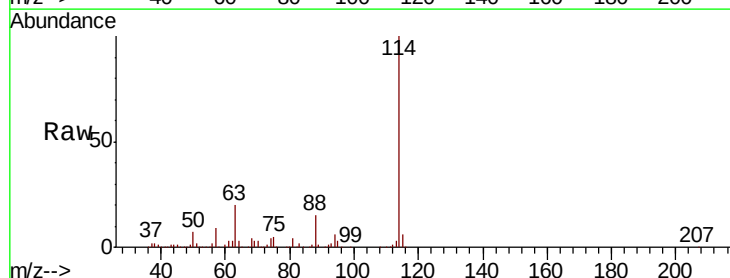
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 ClientSampleId :
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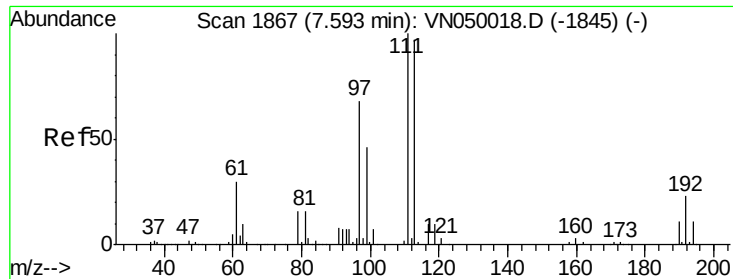
Tot Ion: 65 Resp: 457863
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050291.D
 Acq: 3 Aug 2018 3:23

Tgt Ion: 114 Resp: 1063091
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.4 0.0 31.2

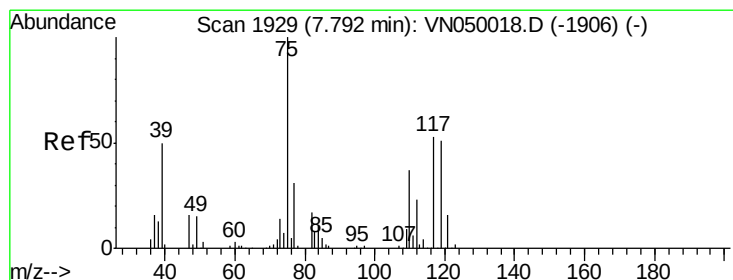
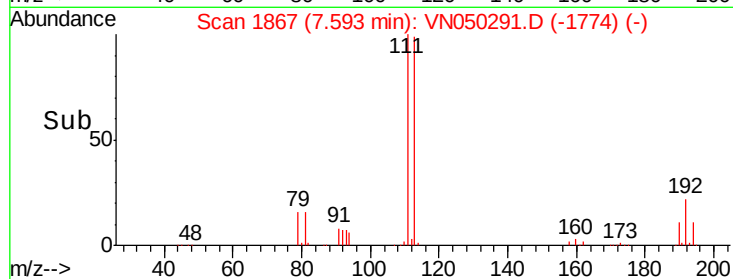
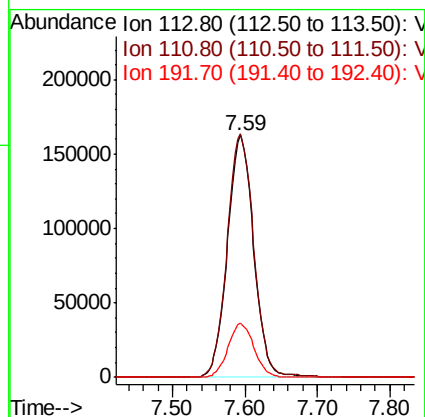
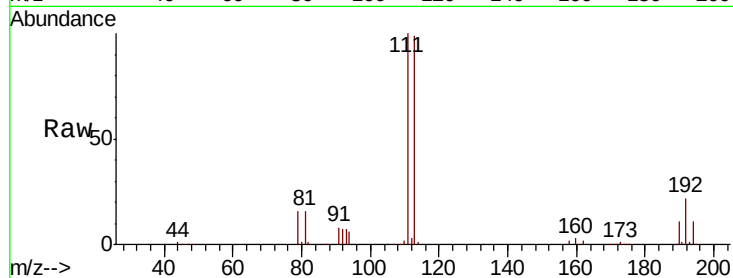




#35
 Dibromofluoromethane
 Concen: 47.18 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050291.D
 Acq: 3 Aug 2018 3:23

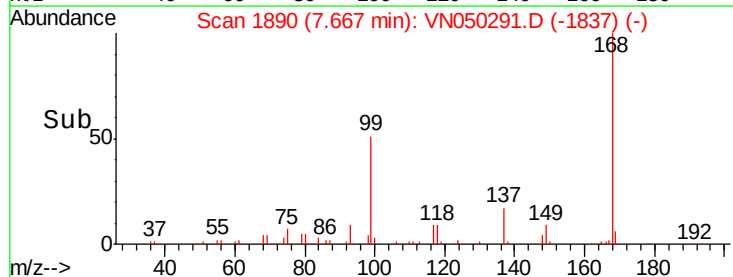
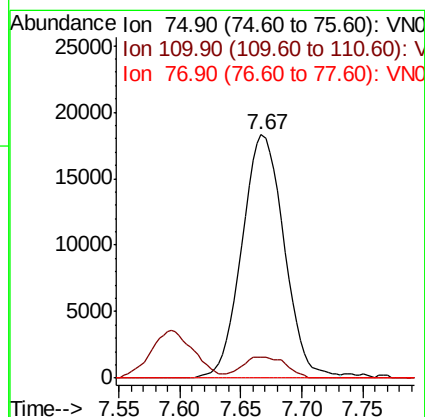
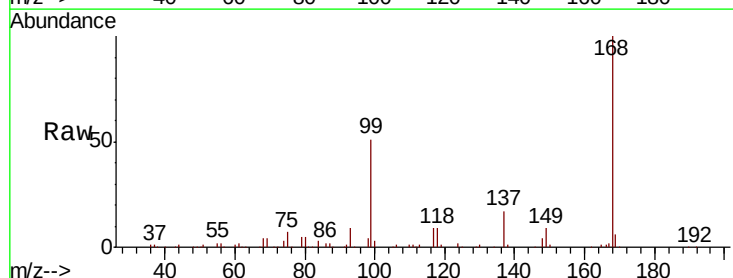
Instrument :
 MSVOA_N
 ClientSampleId :
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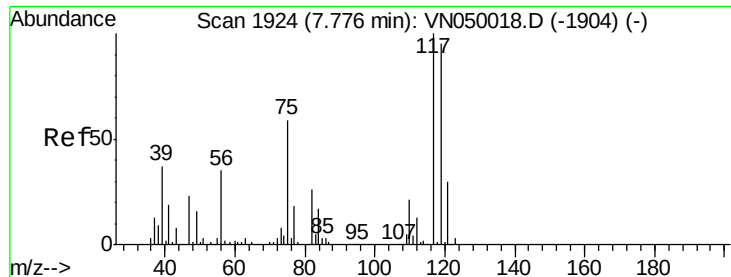
Tot Ion:113 Resp: 409536
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050291.D
 Acq: 3 Aug 2018 3:23

Tgt Ion: 75 Resp: 43846
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.55 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

Instrument :

MSVOA_N

ClientSampled :

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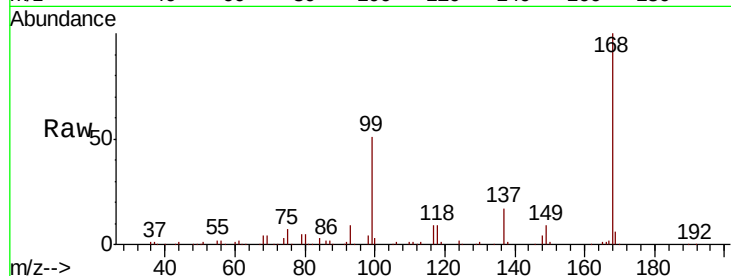
Tot Ion:117 Resp: 57862

Ion Ratio Lower Upper

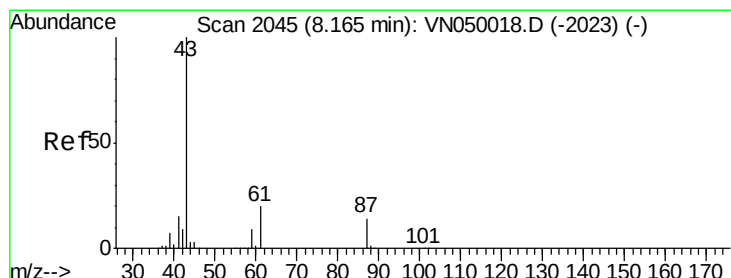
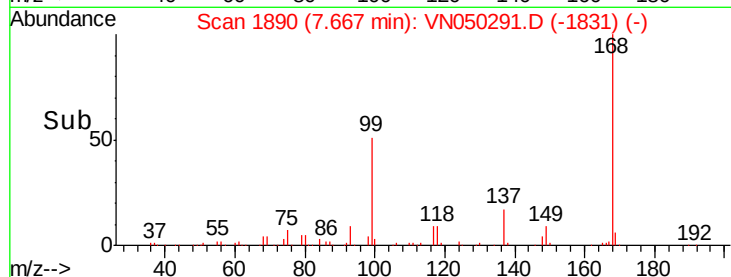
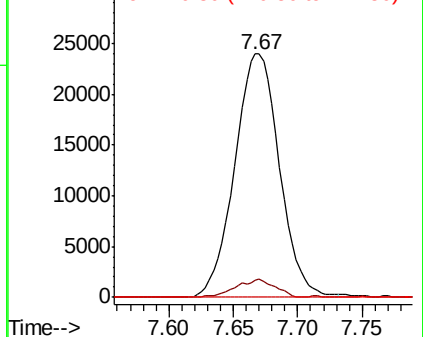
117 100

119 7.0 77.4 116.0#

121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 18.31 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.10 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

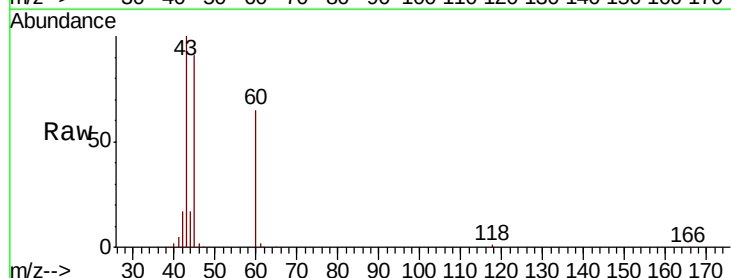
Tgt Ion: 43 Resp: 299439

Ion Ratio Lower Upper

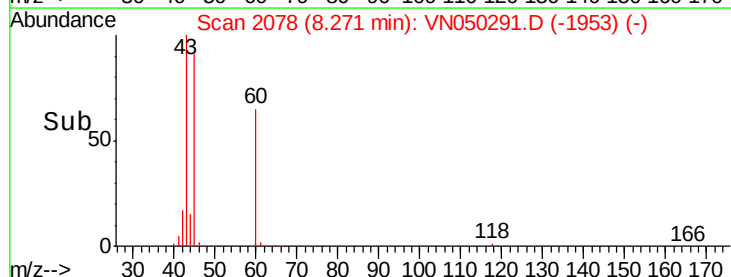
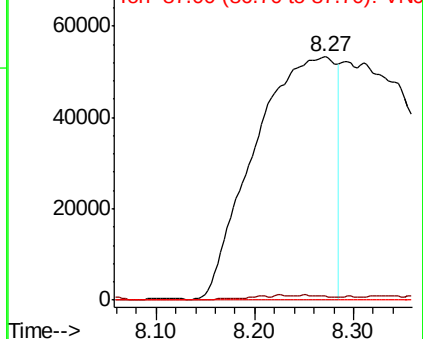
43 100

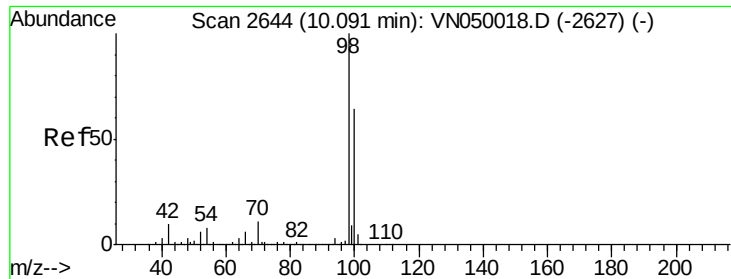
61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

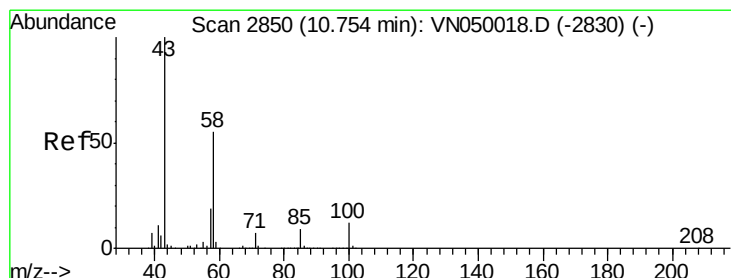
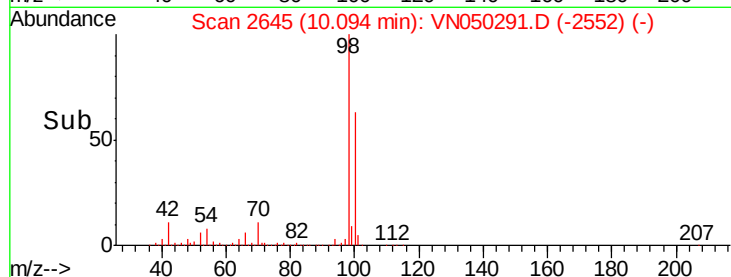
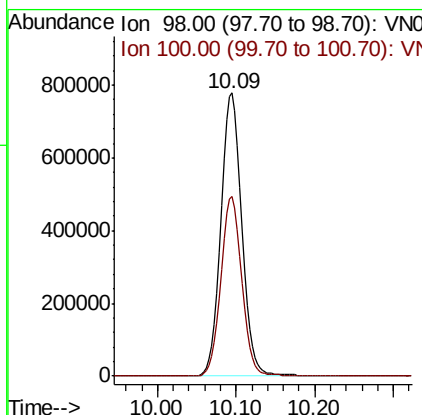
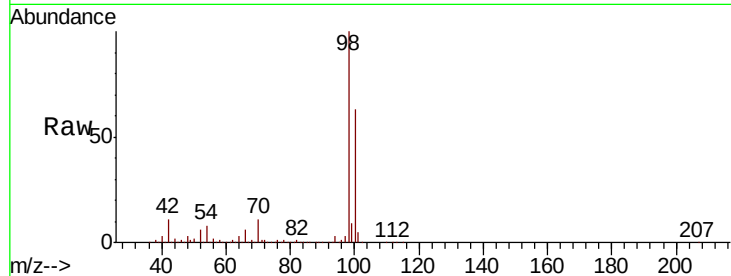




#50
Toluene-d8
Concen: 44.71 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050291.D
Acq: 3 Aug 2018 3:23

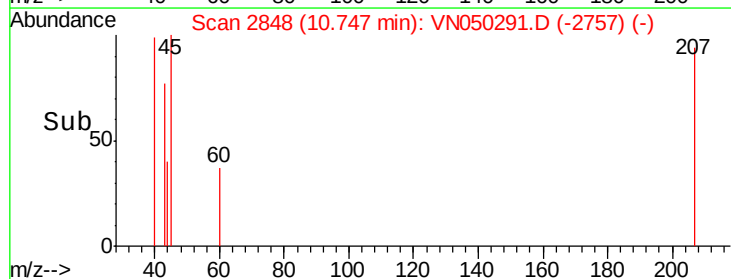
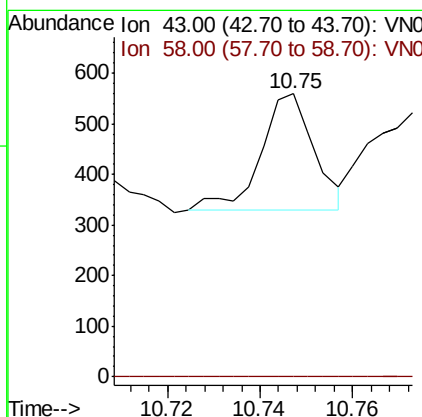
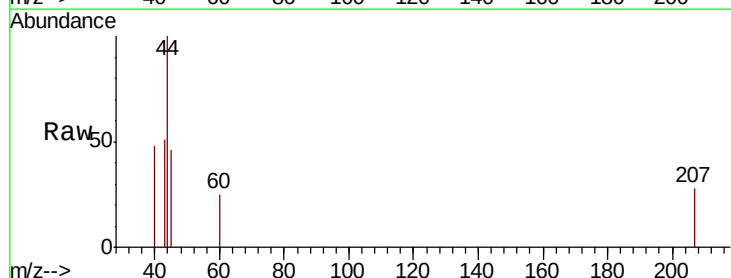
Instrument :
MSVOA_N
ClientSampled :
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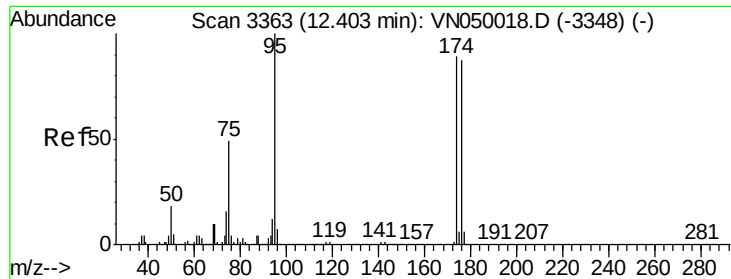
Tot Ion: 98 Resp: 1426697
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1



#59
2-Hexanone
Concen: 5.20 ug/l
RT: 10.75 min Scan# 2848
Delta R.T. -0.01 min
Lab File: VN050291.D
Acq: 3 Aug 2018 3:23

Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#

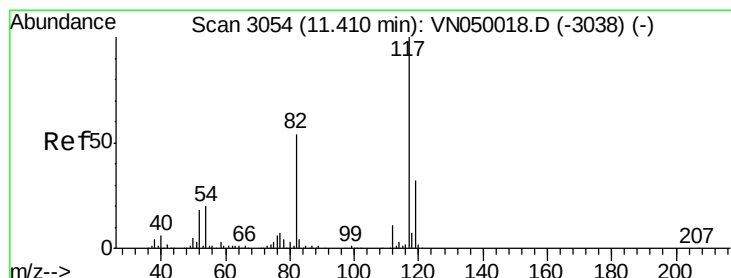
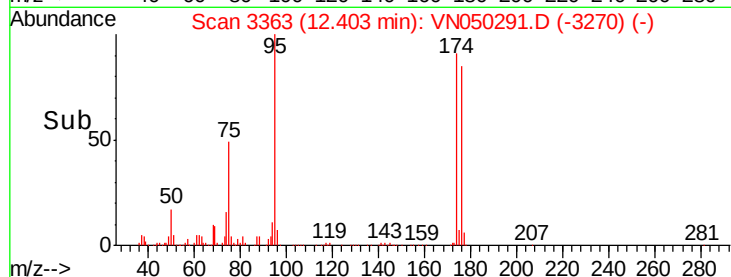
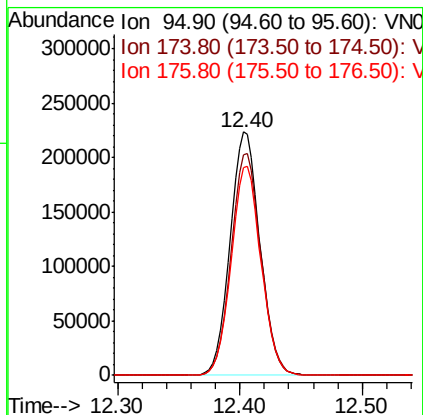
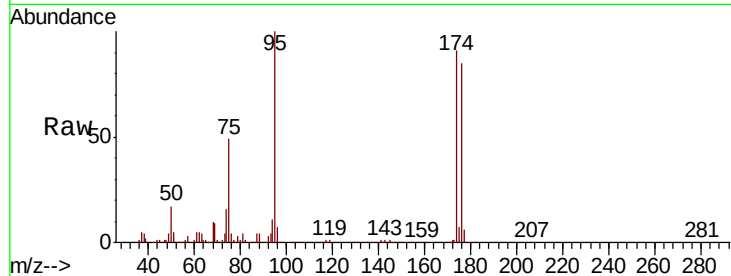




#62
4-Bromofluorobenzene
Concen: 36.18 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050291.D
Acq: 3 Aug 2018 3:23

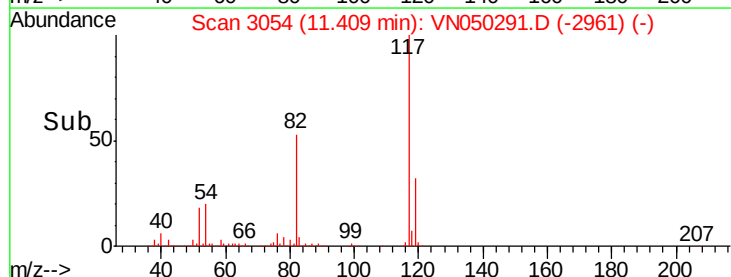
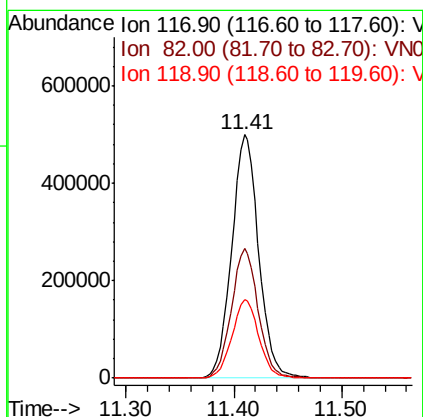
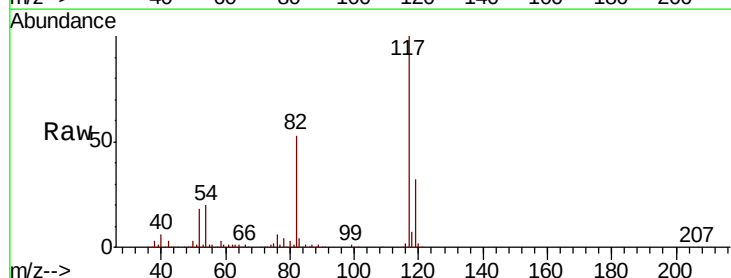
Instrument :
MSVOA_N
ClientSampleId :
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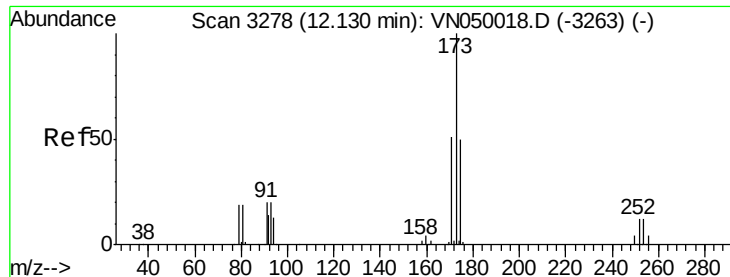
Tot Ion: 95 Resp: 380204
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.2
176 85.8 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050291.D
Acq: 3 Aug 2018 3:23

Tgt Ion: 117 Resp: 870830
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.3 26.1 39.1





#71

Bromoform

Concen: 0.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

Instrument :

MSVOA_N

ClientSampleId :

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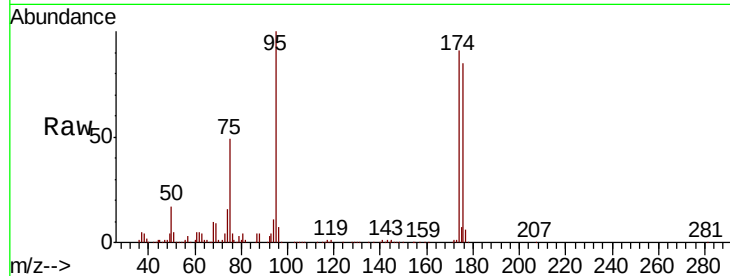
Tot Ion:173 Resp: 3623

Ion Ratio Lower Upper

173 100

175 596.5 24.1 72.2#

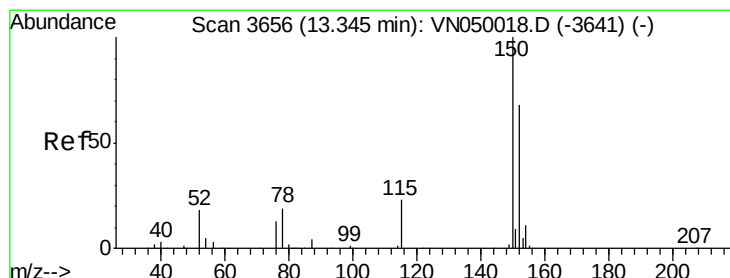
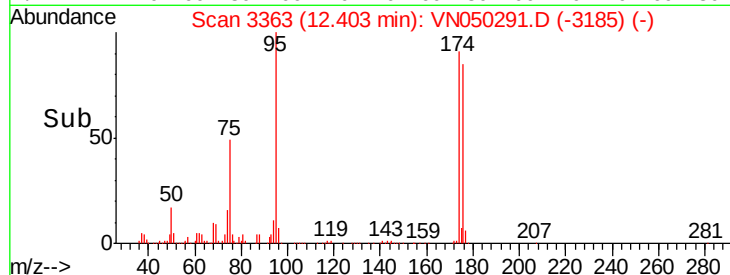
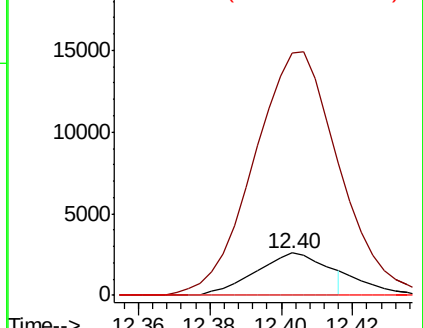
254 0.0 0.2 0.2#



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# 3657

Delta R.T. 0.00 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

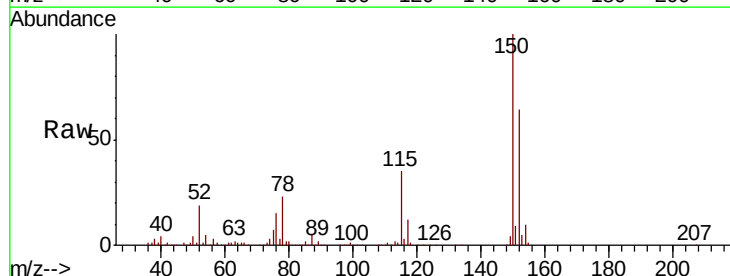
Tgt Ion:152 Resp: 302204

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

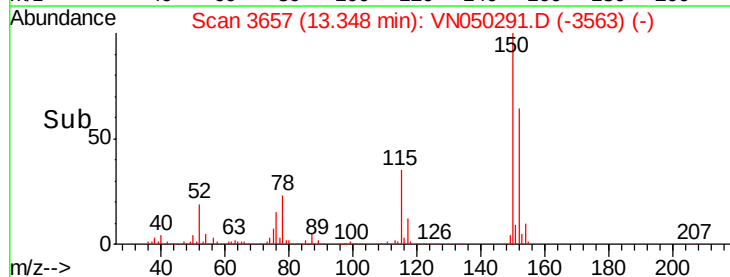
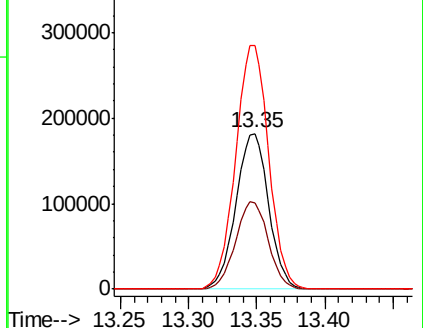
150 158.6 0.0 348.6

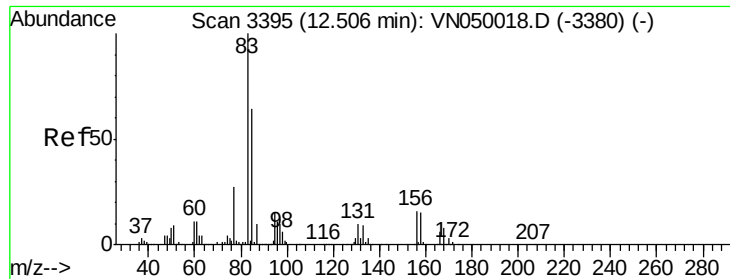


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

Instrument :

MSVOA_N

ClientSampleId :

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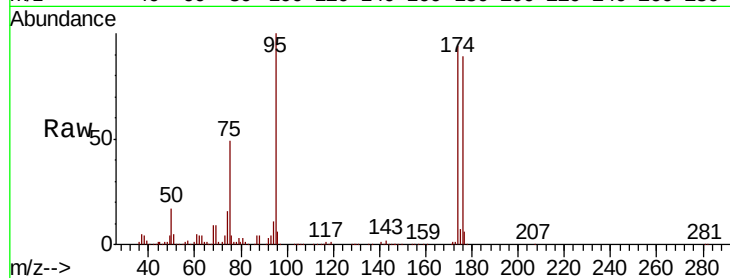
Tot Ion: 83 Resp: 131

Ion Ratio Lower Upper

83 100

131 229.8 5.1 15.3#

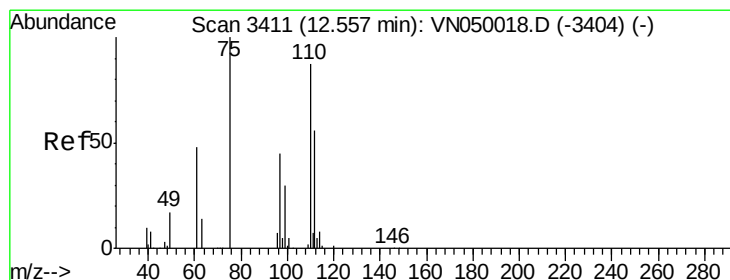
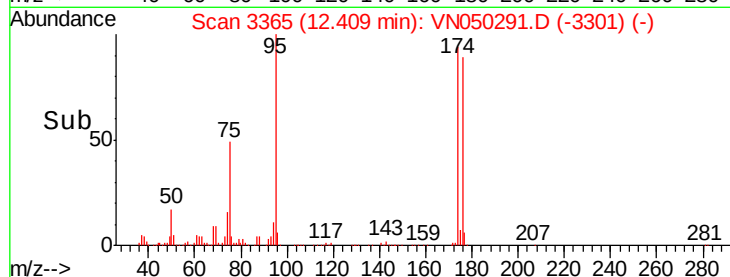
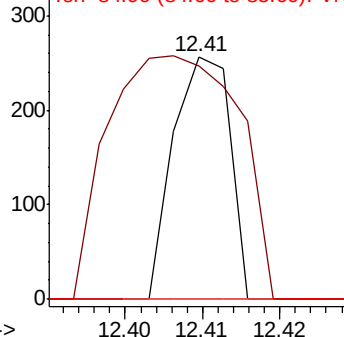
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.80 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050291.D

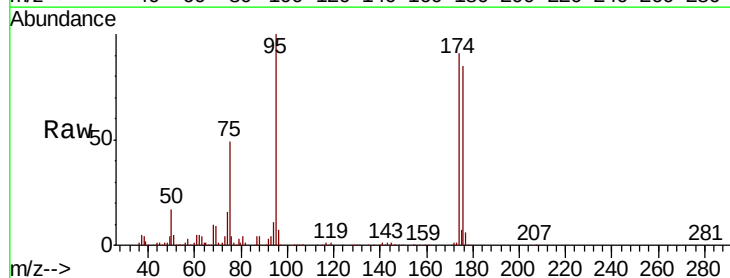
Acq: 3 Aug 2018 3:23

Tgt Ion: 75 Resp: 184223

Ion Ratio Lower Upper

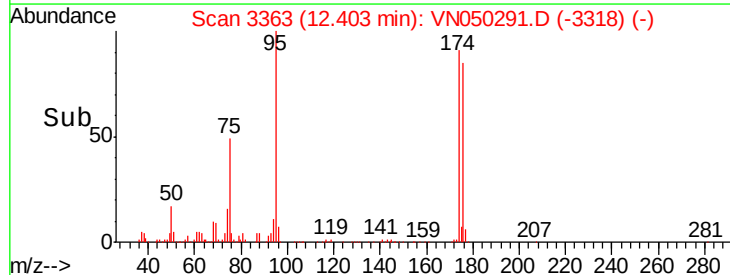
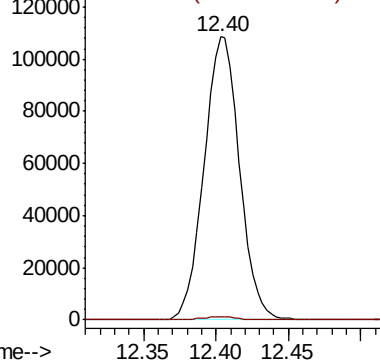
75 100

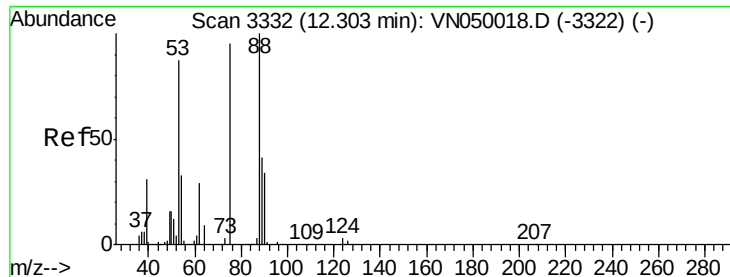
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 104.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

Instrument :

MSVOA_N

ClientSampleId :

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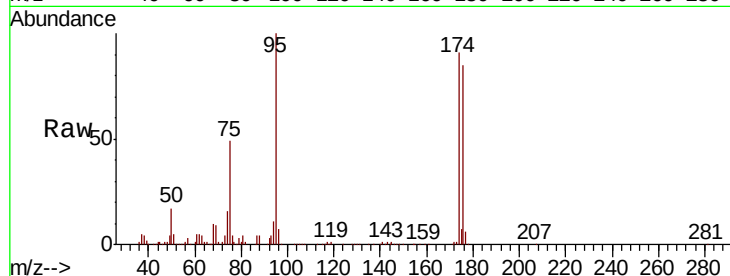
Tot Ion: 75 Resp: 184223

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

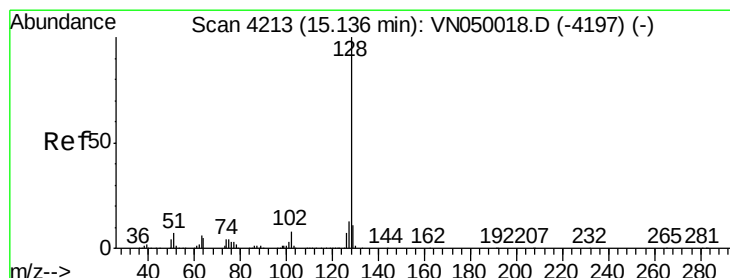
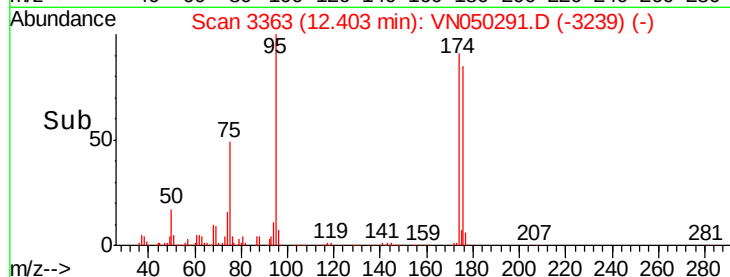
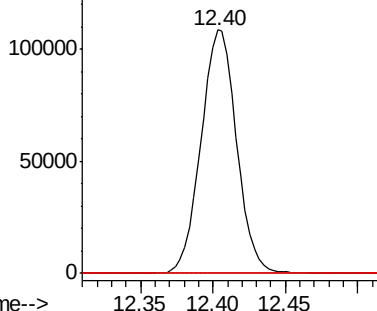
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050291.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050291.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050291.D (-3363) (-)



#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050291.D

Acq: 3 Aug 2018 3:23

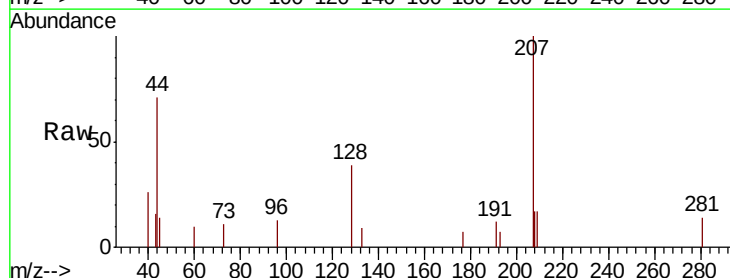
Tgt Ion: 128 Resp: 1474

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 6.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN050291.D (-4212) (-)

Ion 127.00 (126.70 to 127.70): VN050291.D (-4212) (-)

Ion 129.00 (128.70 to 129.70): VN050291.D (-4212) (-)

