

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052792.D
 Acq On : 11 Dec 2018 10:16
 Operator : MD\SY
 Sample : VN1211WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBL01

Quant Time: Dec 12 00:25:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1227980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1898089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1646531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	627847	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	623466	46.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.26%		
35) Dibromofluoromethane	7.59	113	539098	46.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.14%		
50) Toluene-d8	10.09	98	2282607	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.22%		
62) 4-Bromofluorobenzene	12.40	95	712626	46.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.12%		

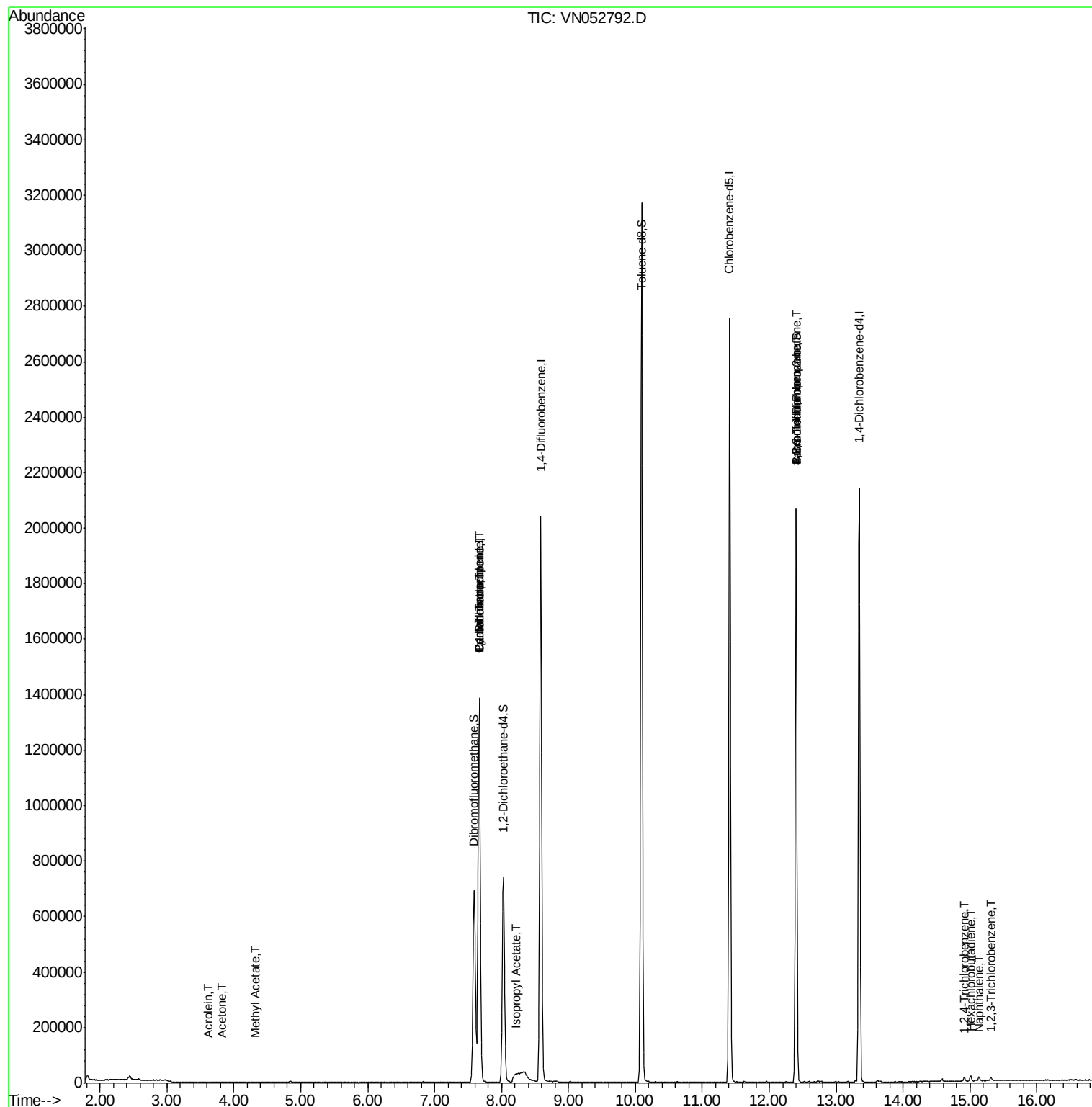
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	699	0.601	ug/l	96
16) Acetone	3.82	43	1309	0.371	ug/l #	78
18) Methyl Acetate	4.33	43	2975	0.294	ug/l #	66
31) Cyclohexane	7.67	56	21209	0.560	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	82961	4.628	ug/l #	50
38) Carbon Tetrachloride	7.67	117	107128	6.602	ug/l #	16
43) Isopropyl Acetate	8.21	43	39170	2.116	ug/l #	51
71) Bromoform	12.40	173	4439	0.568	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	340612	35.181	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	340612	117.487	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	4266	3.191	ug/l	88
94) Hexachlorobutadiene	15.01	225	4337	0.663	ug/l	95
95) Naphthalene	15.13	128	12824	3.934	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	5138	3.201	ug/l	99

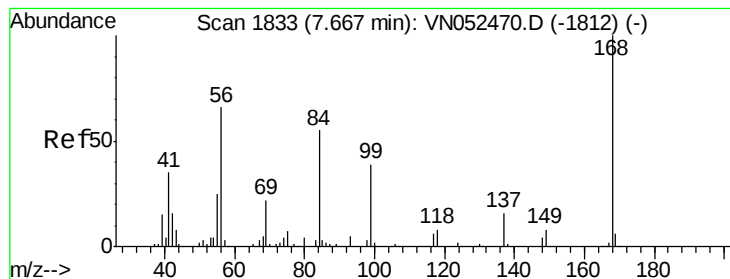
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

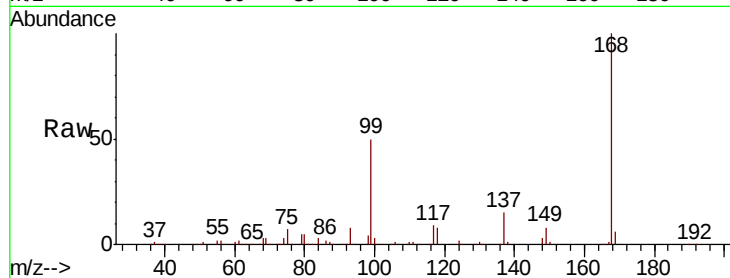
VN1211WBL01

Tot Ion:168 Resp: 1227980

Ion Ratio Lower Upper

168 100

99 50.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052792.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052792.D (-1740) (-)

7.67

600000

500000

400000

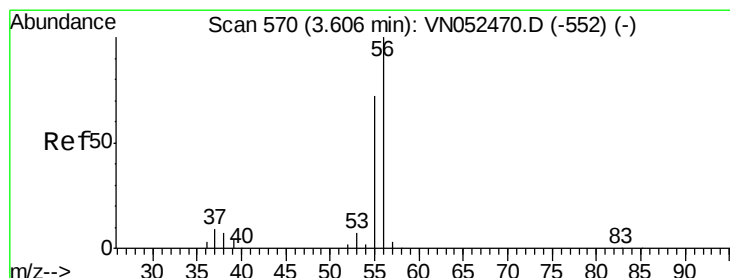
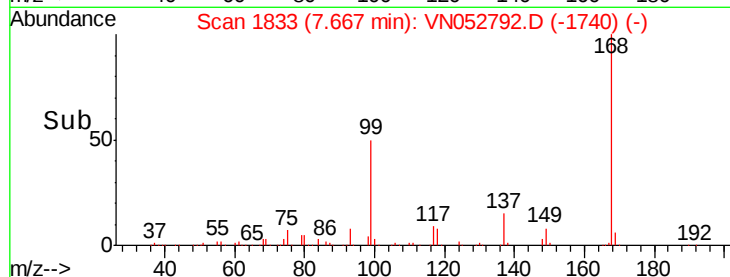
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.601 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052792.D

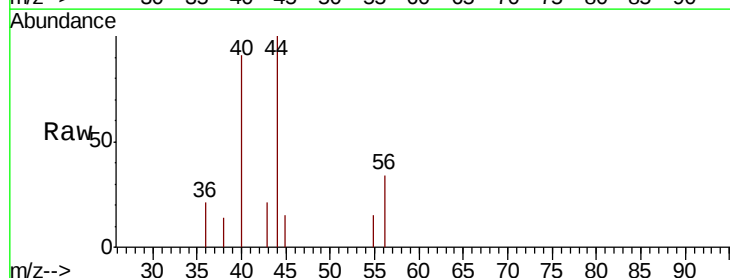
Acq: 11 Dec 2018 10:16

Tgt Ion: 56 Resp: 699

Ion Ratio Lower Upper

56 100

55 68.0 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN052792.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN052792.D (-477) (-)

3.62

400

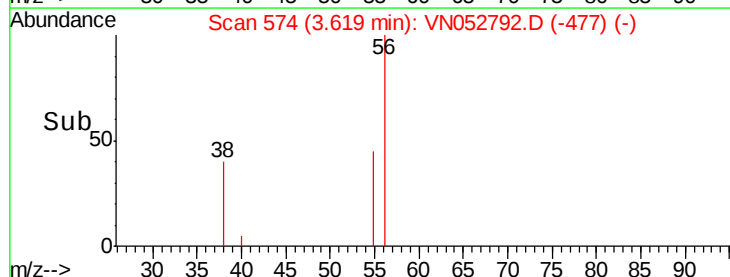
300

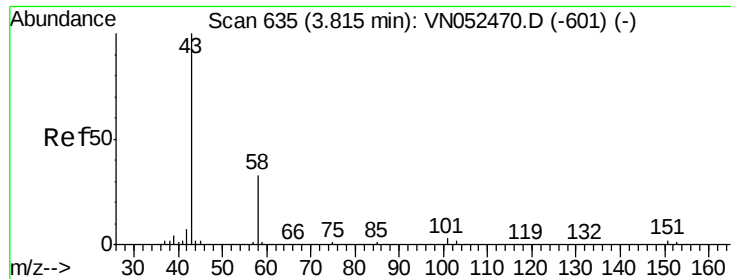
200

100

0

Time-->





#16

Acetone

Concen: 0.371 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

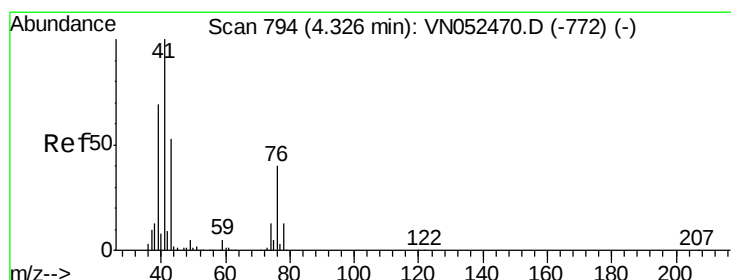
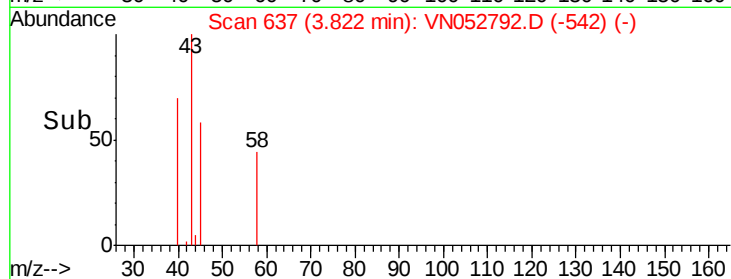
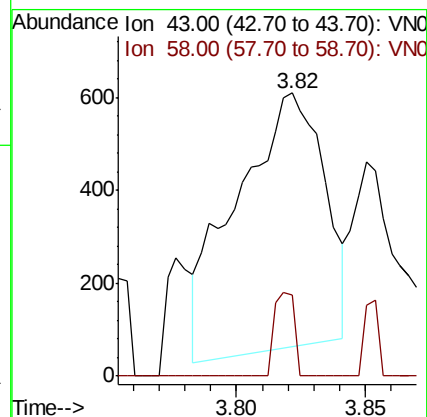
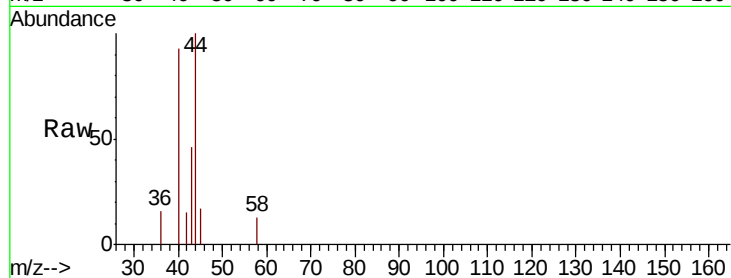
VN1211WBL01

Tot Ion: 43 Resp: 1309

Ion Ratio Lower Upper

43 100

58 45.1 26.0 39.0#



#18

Methyl Acetate

Concen: 0.294 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052792.D

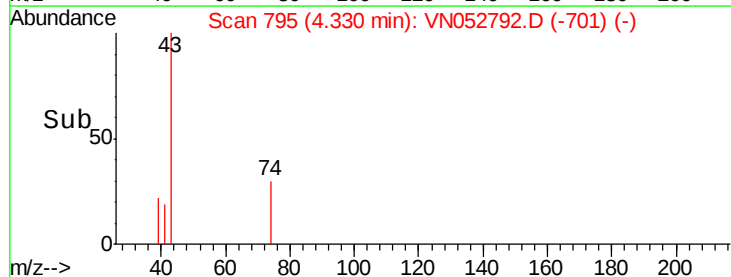
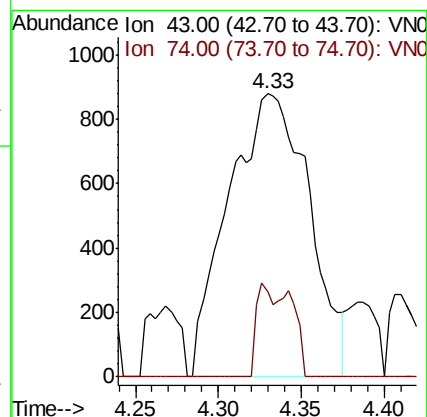
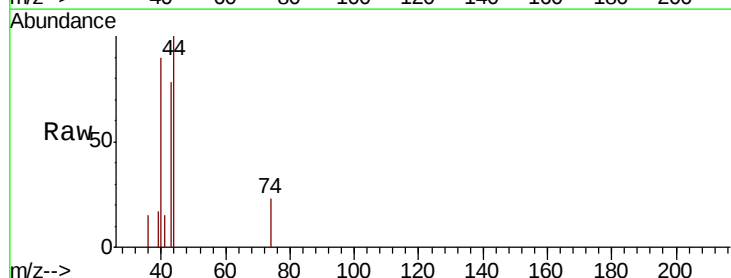
Acq: 11 Dec 2018 10:16

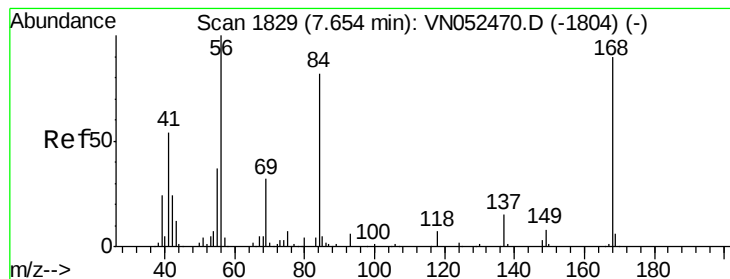
Tgt Ion: 43 Resp: 2975

Ion Ratio Lower Upper

43 100

74 6.5 18.6 27.8#





#31

Cyclohexane

Concen: 0.560 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBL01

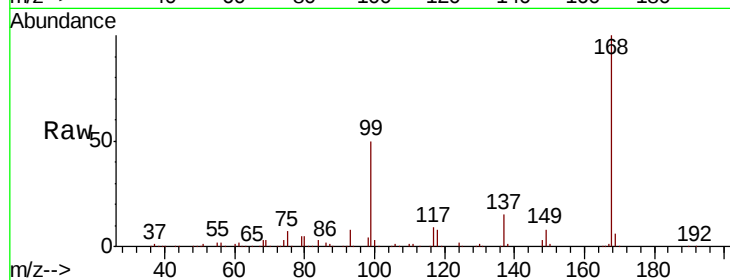
Tot Ion: 56 Resp: 21209

Ion Ratio Lower Upper

56 100

69 192.4 25.8 38.6#

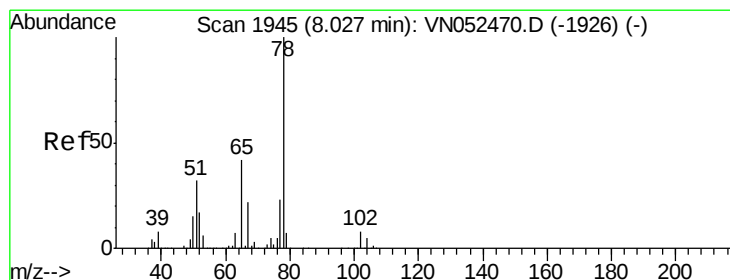
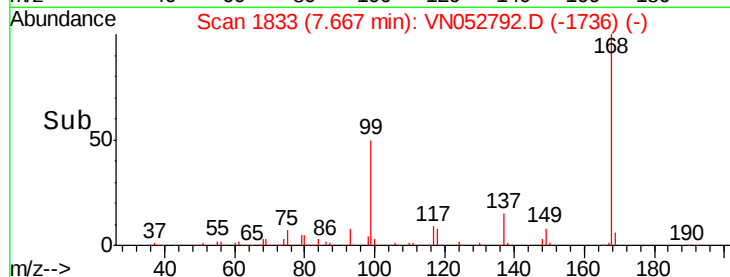
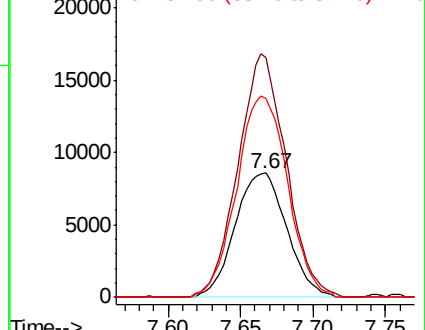
84 160.1 65.3 97.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052792.D

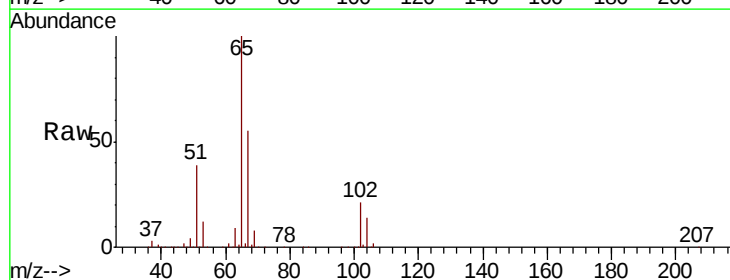
Acq: 11 Dec 2018 10:16

Tgt Ion: 65 Resp: 623466

Ion Ratio Lower Upper

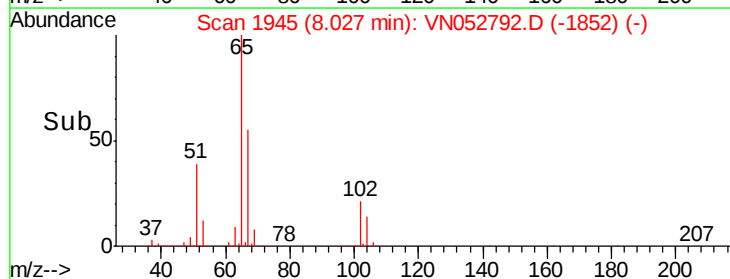
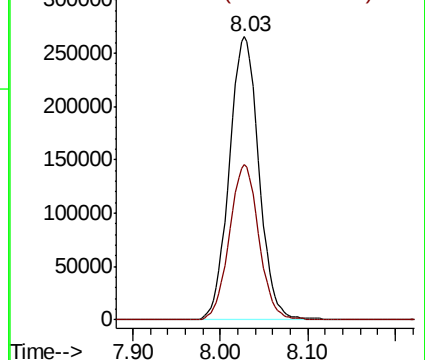
65 100

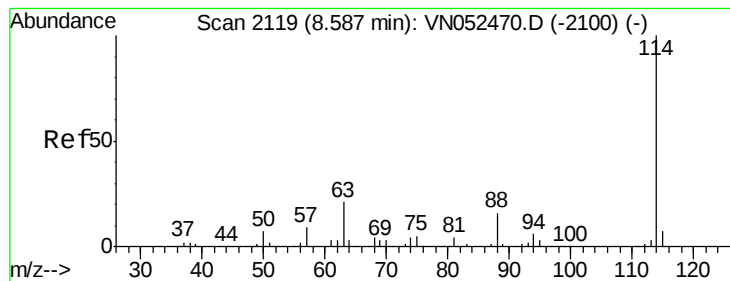
67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBL01

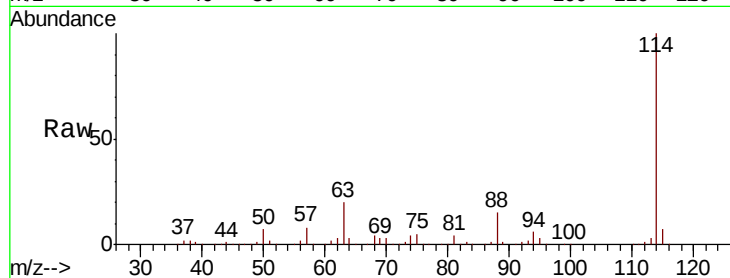
Tot Ion:114 Resp: 1898089

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.8

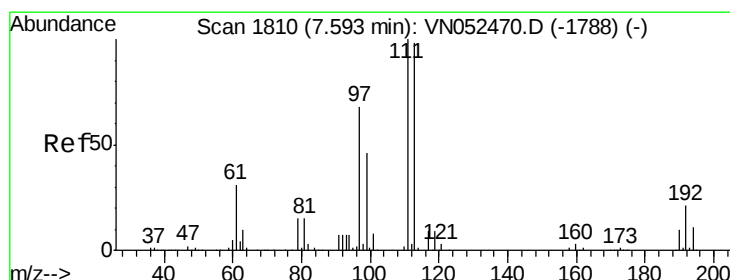
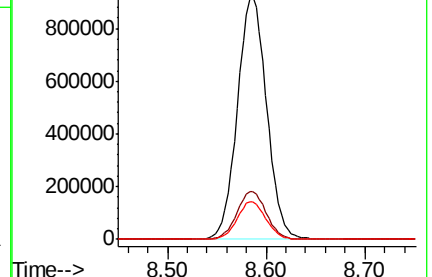
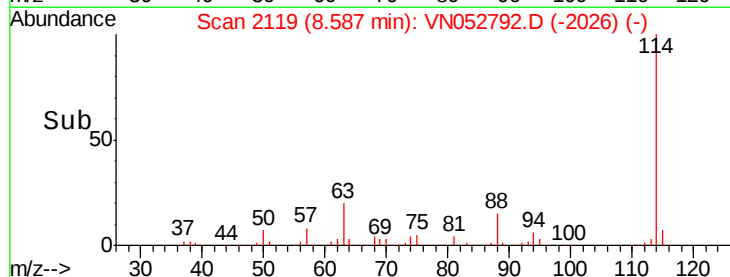
88 15.4 0.0 31.6



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

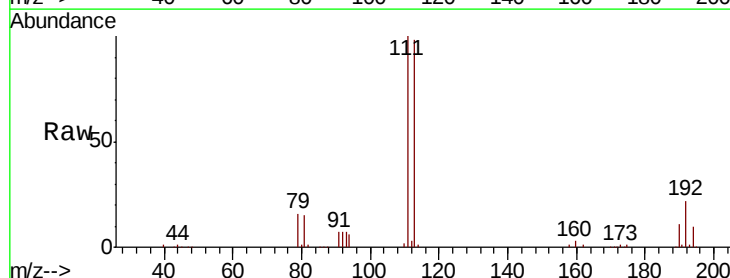
Tgt Ion:113 Resp: 539098

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

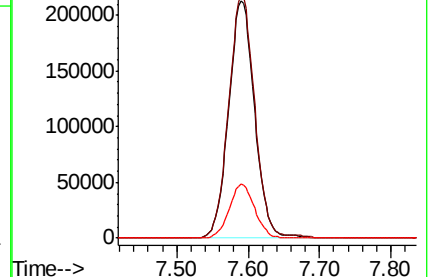
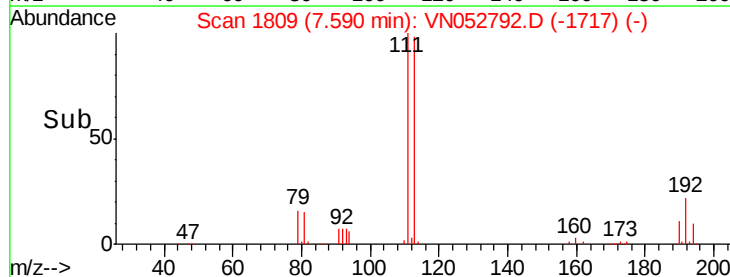
192 22.4 17.0 25.6

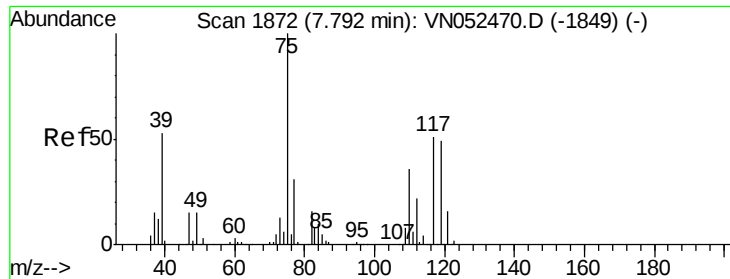


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

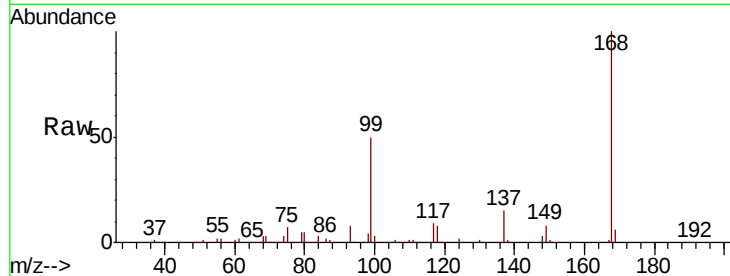




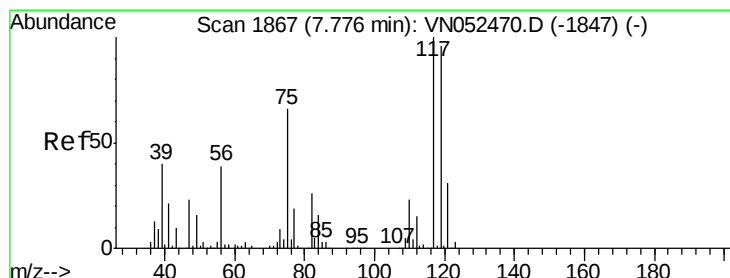
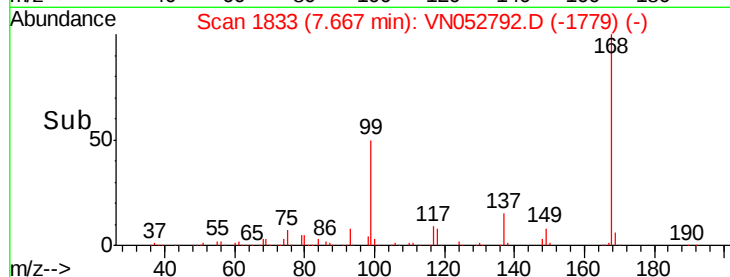
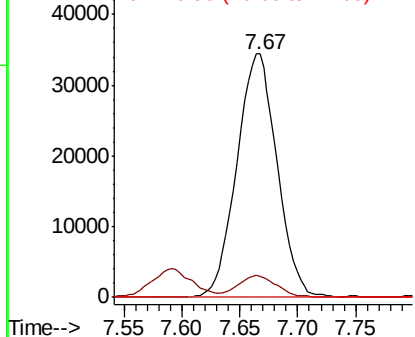
#36
 1,1-Dichloropropene
 Concen: 4.628 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052792.D
 Acq: 11 Dec 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.6#
77	0.0	24.5	36.7#

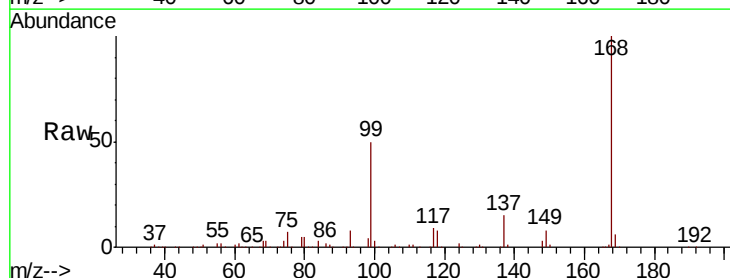


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

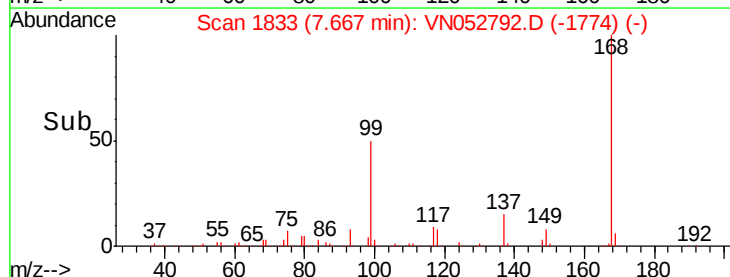
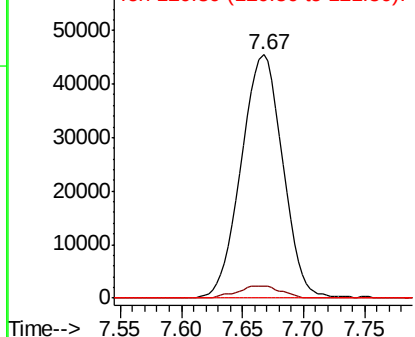


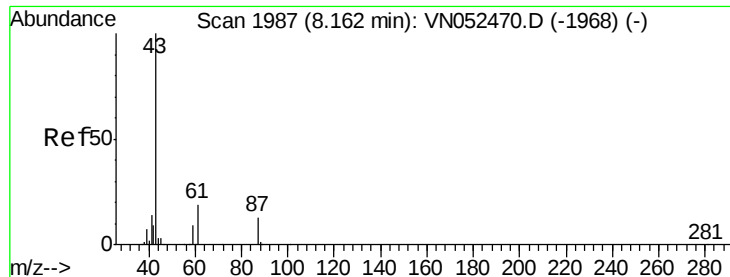
#38
 Carbon Tetrachloride
 Concen: 6.602 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052792.D
 Acq: 11 Dec 2018 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.8	115.2#
121	0.0	24.9	37.3#



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: 2.116 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.05 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN1211WBL01

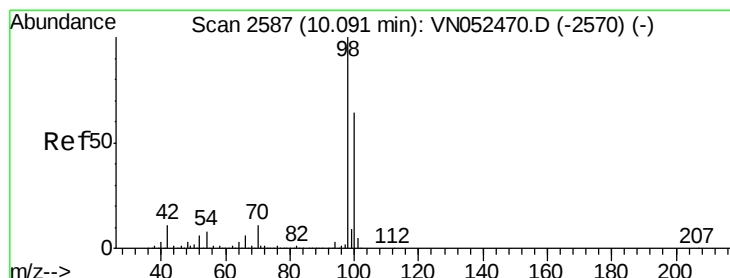
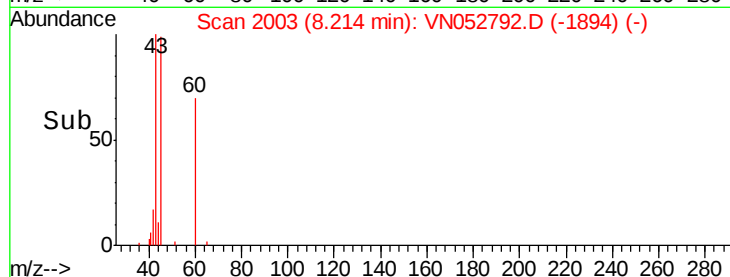
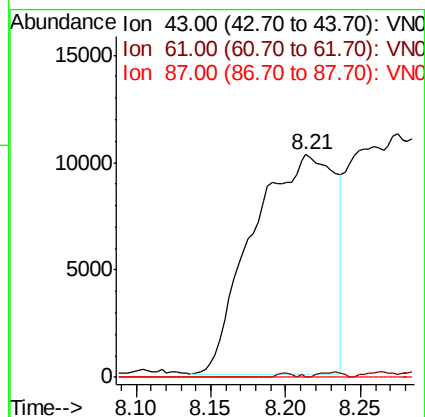
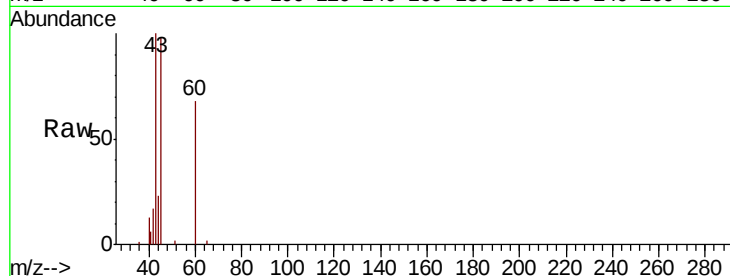
Tot Ion: 43 Resp: 39170

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

87 0.0 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052792.D

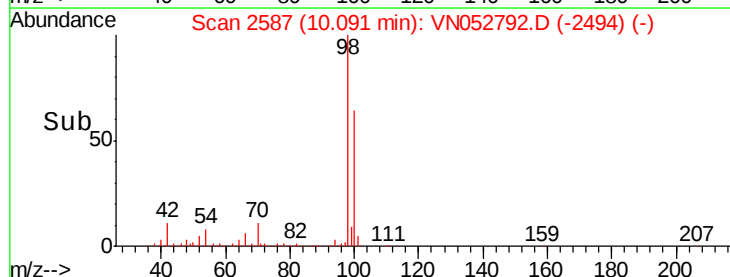
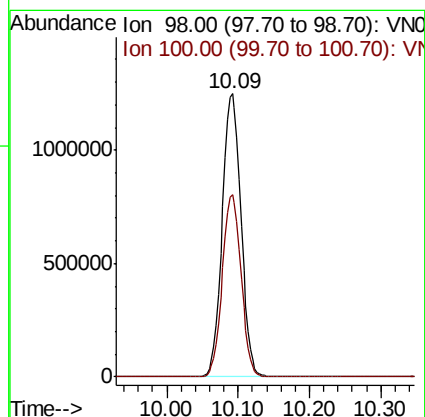
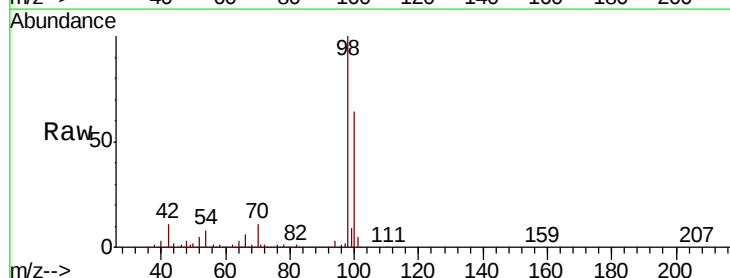
Acq: 11 Dec 2018 10:16

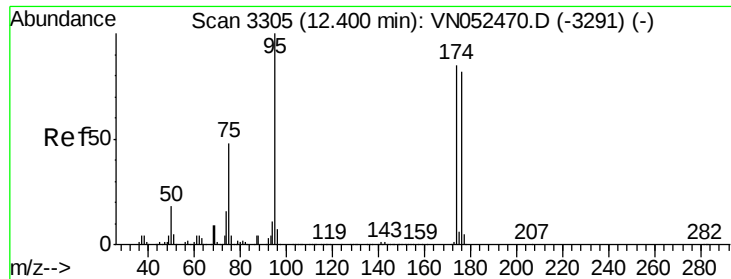
Tgt Ion: 98 Resp: 2282607

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9

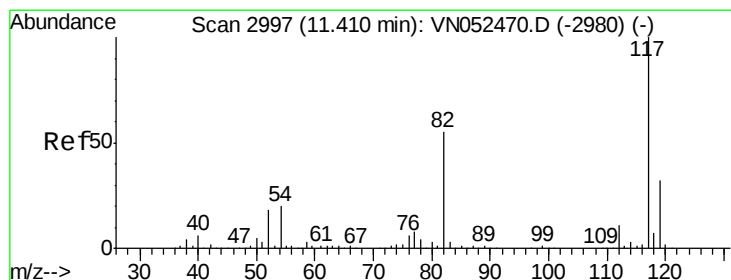
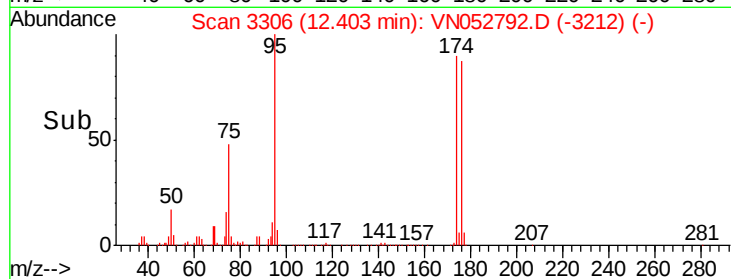
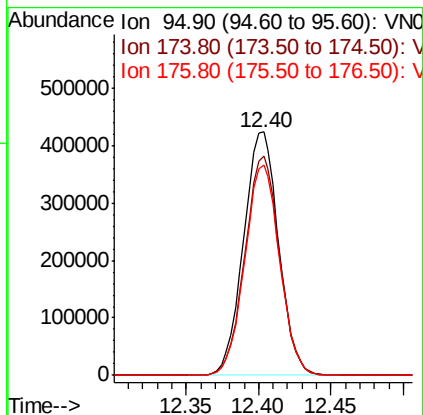
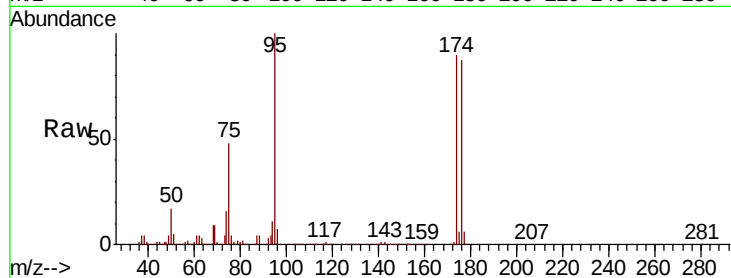




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052792.D
Acq: 11 Dec 2018 10:16

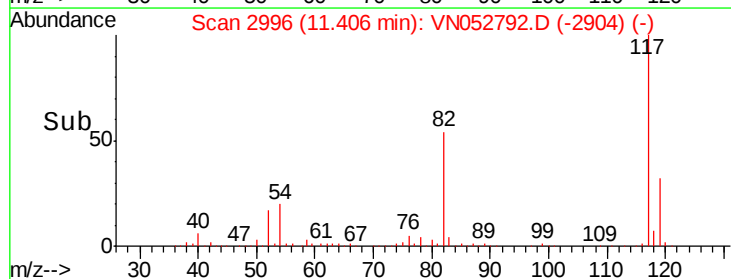
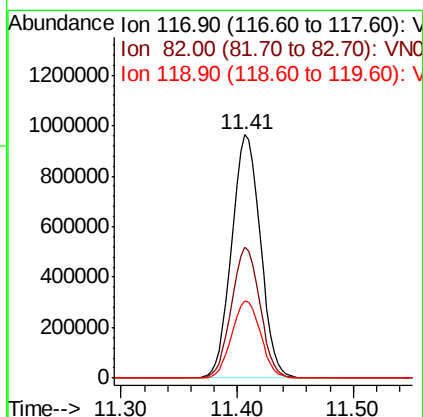
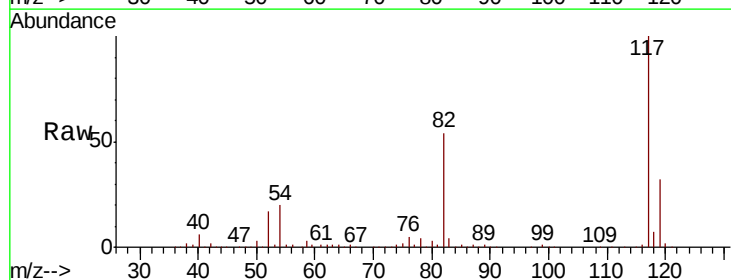
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBL01

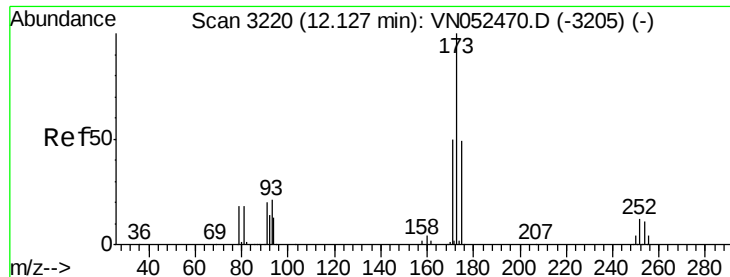
Tot Ion: 95 Resp: 712626
Ion Ratio Lower Upper
95 100
174 89.4 0.0 173.0
176 86.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052792.D
Acq: 11 Dec 2018 10:16

Tgt Ion: 117 Resp: 1646531
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 31.8 25.4 38.2

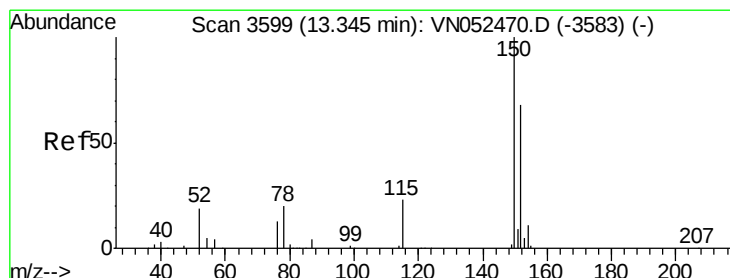
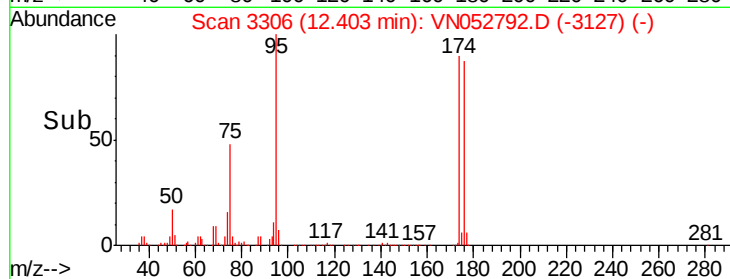
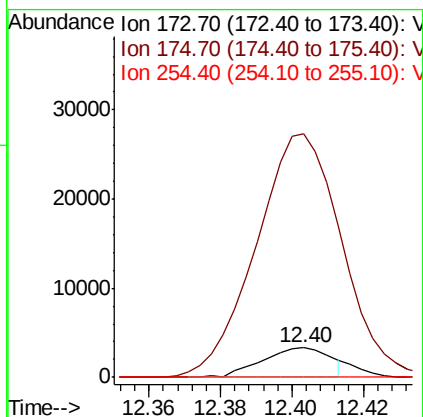
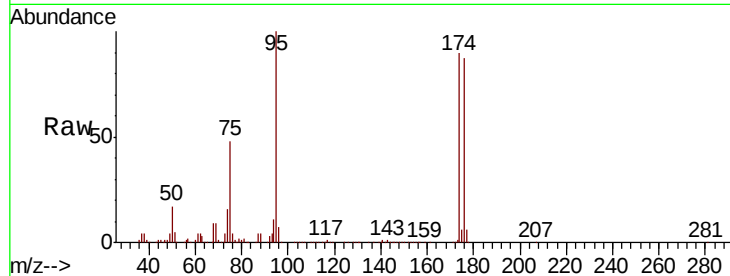




#71
Bromoform
Concen: 0.568 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052792.D
Acq: 11 Dec 2018 10:16

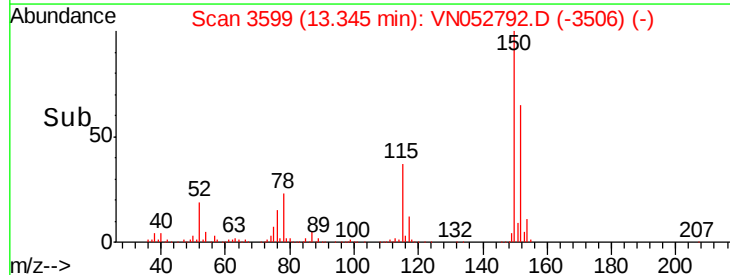
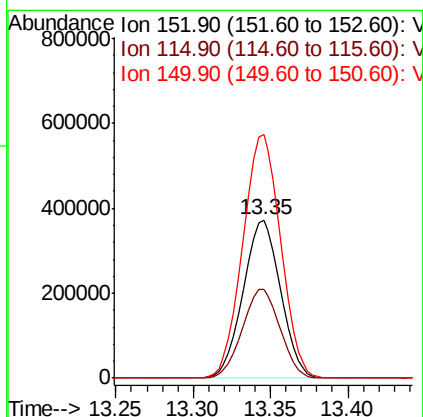
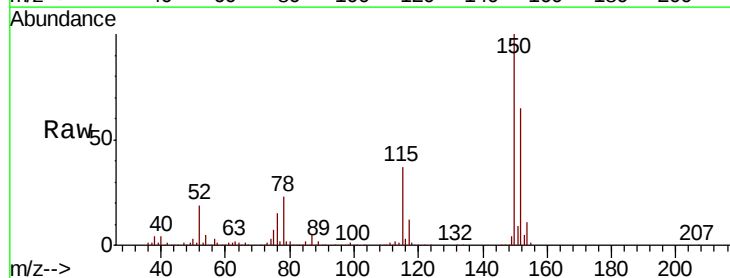
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBL01

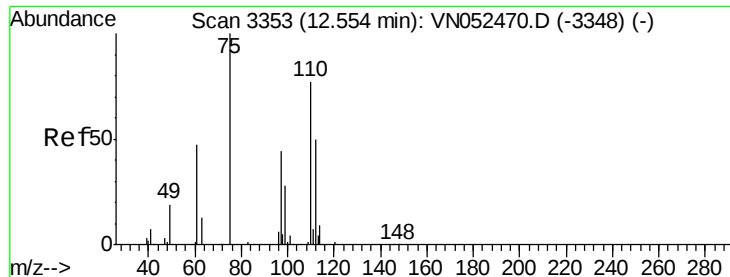
Tot Ion:173 Resp: 4439
Ion Ratio Lower Upper
173 100
175 896.3 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052792.D
Acq: 11 Dec 2018 10:16

Tgt Ion:152 Resp: 627847
Ion Ratio Lower Upper
152 100
115 56.7 28.4 85.2
150 156.1 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 35.181 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

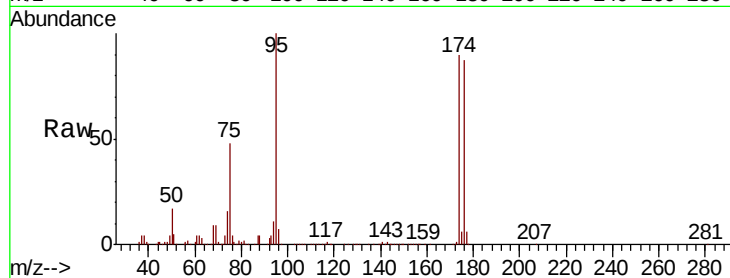
VN1211WBL01

Tot Ion: 75 Resp: 340612

Ion Ratio Lower Upper

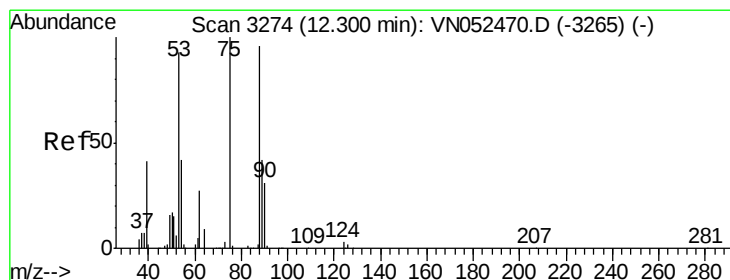
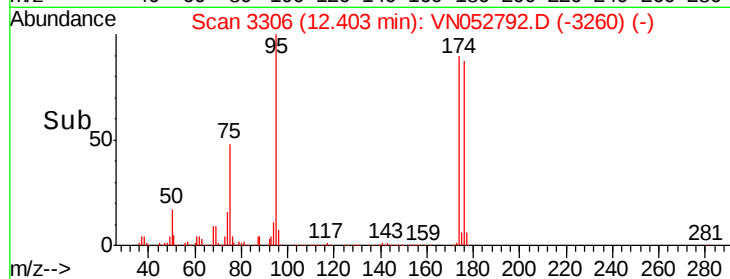
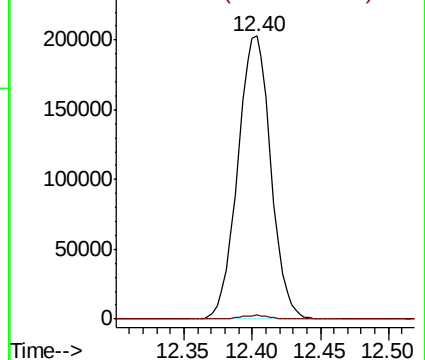
75 100

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: 117.487 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

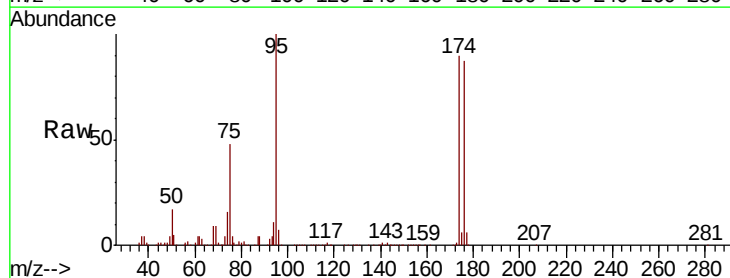
Tgt Ion: 75 Resp: 340612

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

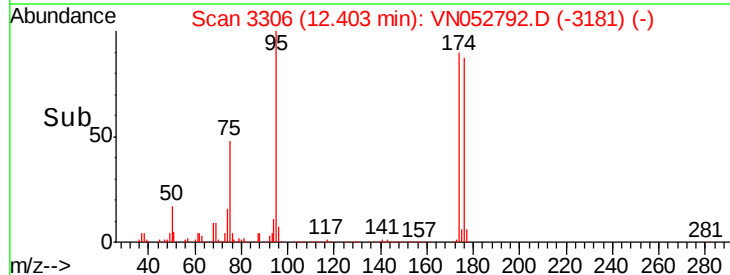
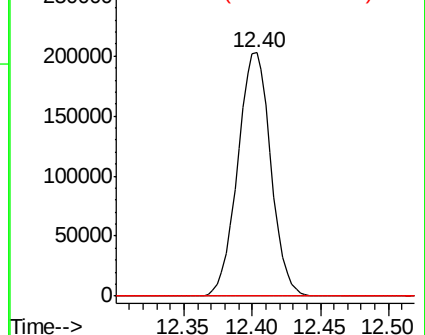
89 0.0 35.4 53.2#

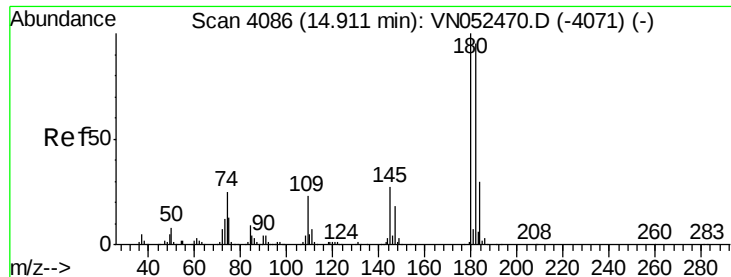


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

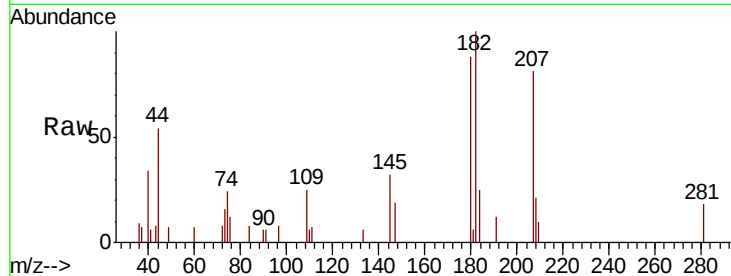




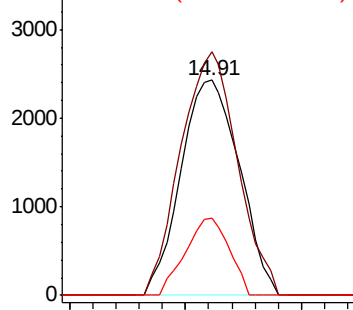
#93
 1,2,4-Trichlorobenzene
 Concen: 3.191 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052792.D
 Acq: 11 Dec 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN1211WBL01

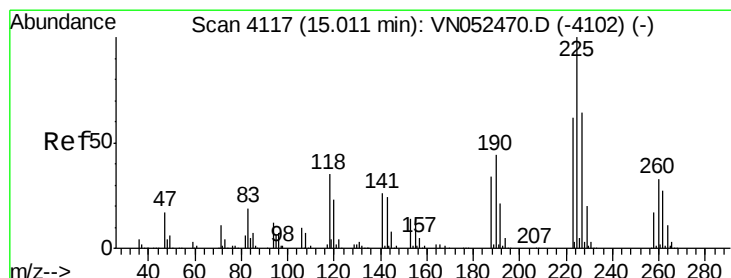
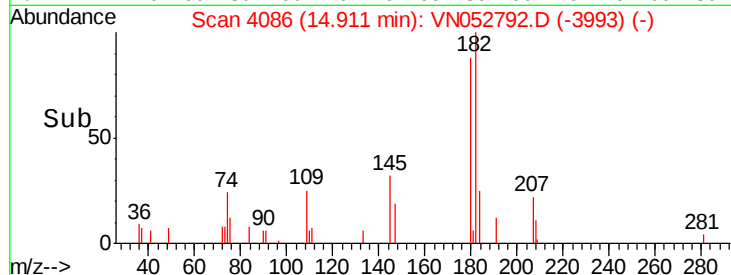
Tot Ion:180 Resp: 4266
 Ion Ratio Lower Upper
 180 100
 182 109.8 47.8 143.4
 145 26.8 14.1 42.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

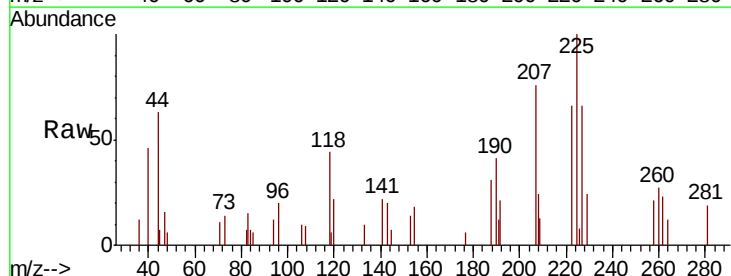


Time--> 14.85 14.90 14.95

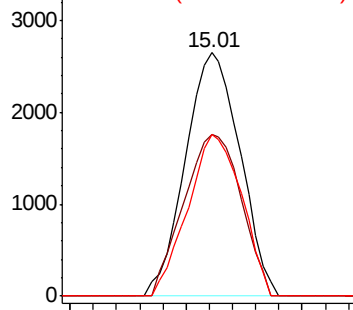


#94
 Hexachlorobutadiene
 Concen: 0.663 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052792.D
 Acq: 11 Dec 2018 10:16

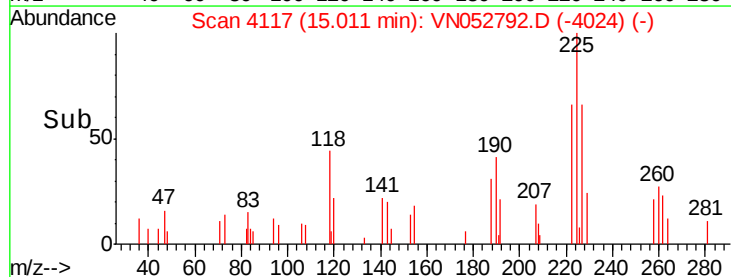
Tgt Ion:225 Resp: 4337
 Ion Ratio Lower Upper
 225 100
 223 69.7 31.4 94.2
 227 65.5 32.5 97.4

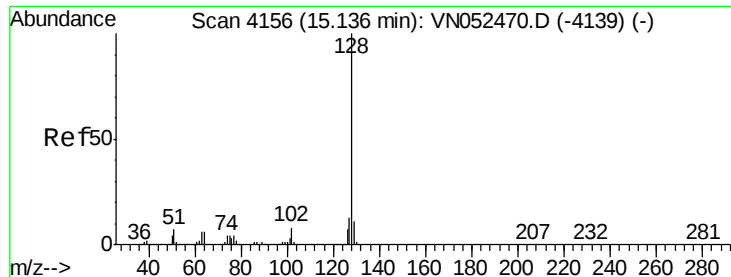


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time--> 14.95 15.00 15.05





#95

Naphthalene

Concen: 3.934 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBL01

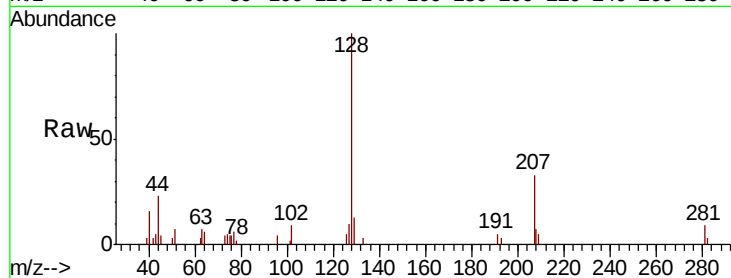
Tot Ion:128 Resp: 12824

Ion Ratio Lower Upper

128 100

127 9.9 10.2 15.2#

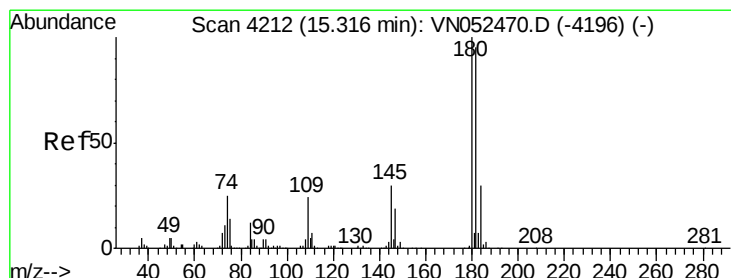
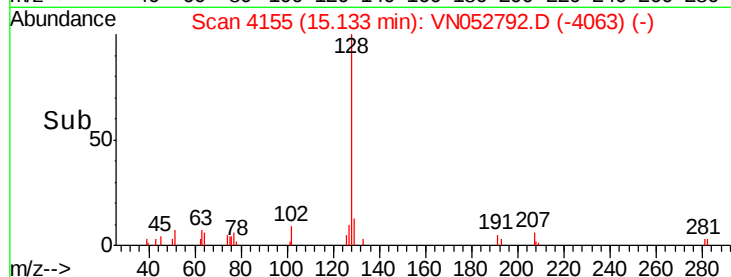
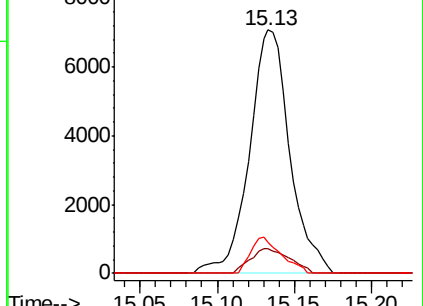
129 11.3 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 3.201 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052792.D

Acq: 11 Dec 2018 10:16

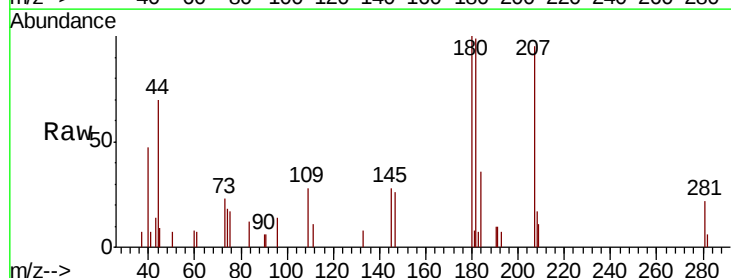
Tgt Ion:180 Resp: 5138

Ion Ratio Lower Upper

180 100

182 96.0 47.8 143.3

145 28.7 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

