

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052311.D
 Acq On : 14 Nov 2018 14:26
 Operator : MD\SY
 Sample : VN1114WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Quant Time: Nov 15 03:26:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	332162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	550082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	463905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167272	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	250886	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	7.59	113	197968	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	
50) Toluene-d8	10.09	98	766742	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
62) 4-Bromofluorobenzene	12.40	95	230099	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

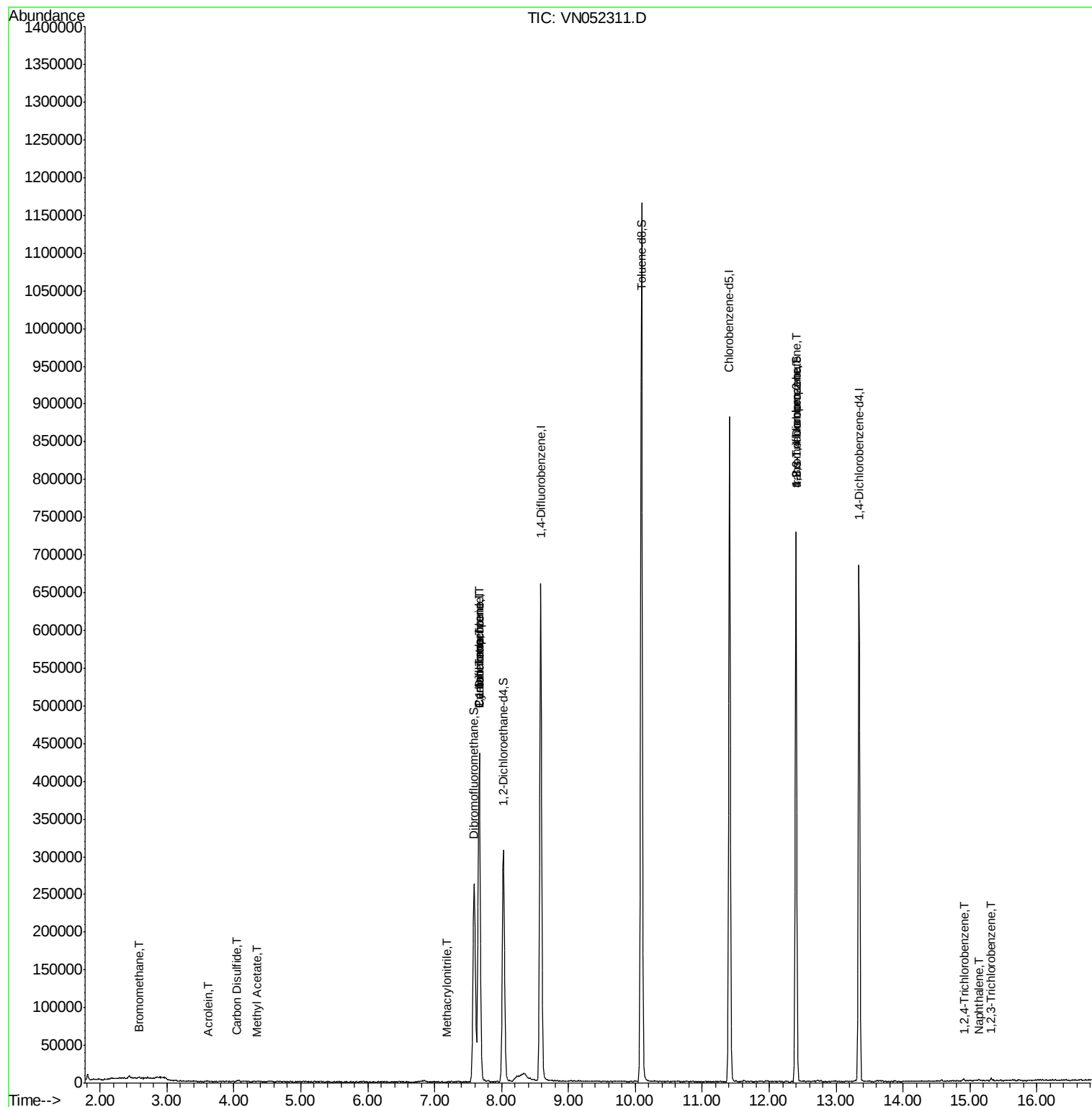
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	668	0.253	ug/l #	4
13) Acrolein	3.61	56	287	22.472	ug/l #	14
17) Carbon Disulfide	4.05	76	2239	0.228	ug/l #	85
18) Methyl Acetate	4.34	43	528	0.576	ug/l #	69
20) Methylene Chloride	4.55	84	259	Below Cal	#	33
31) Cyclohexane	7.67	56	9853	0.328	ug/l #	26
36) 1,1-Dichloropropene	7.67	75	29216	5.299	ug/l #	51
38) Carbon Tetrachloride	7.66	117	35030	6.916	ug/l #	15
41) Methacrylonitrile	7.19	41	326	3.831	ug/l #	100
76) 1,2,3-Trichloropropane	12.40	75	126833	44.686	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	126833	144.935	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	910	2.604	ug/l	90
95) Naphthalene	15.13	128	2060	2.934	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.32	180	937	0.458	ug/l	92

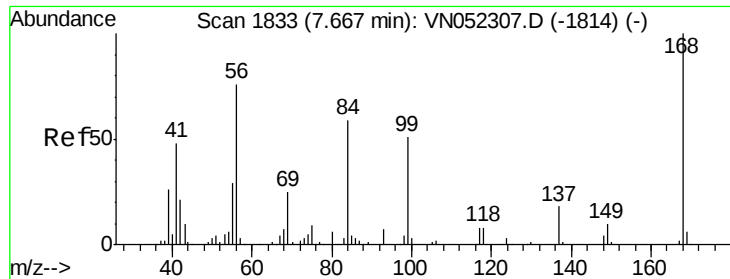
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

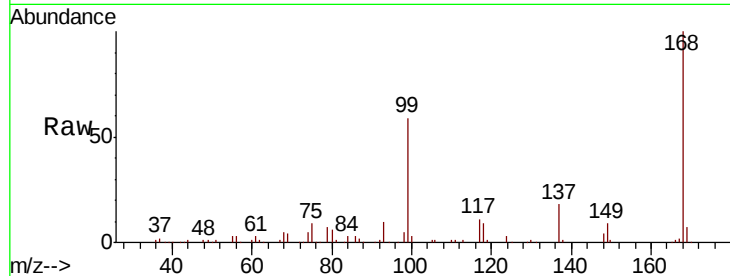
VN1114WBL01

Tot Ion:168 Resp: 332162

Ion Ratio Lower Upper

168 100

99 59.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

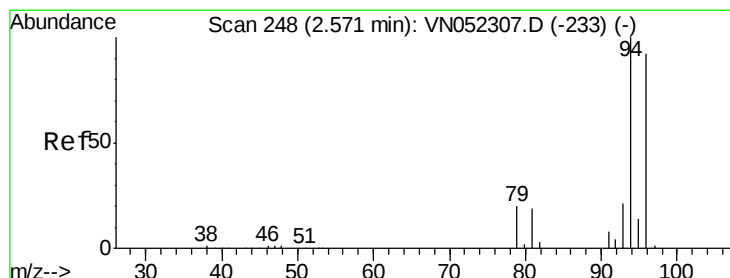
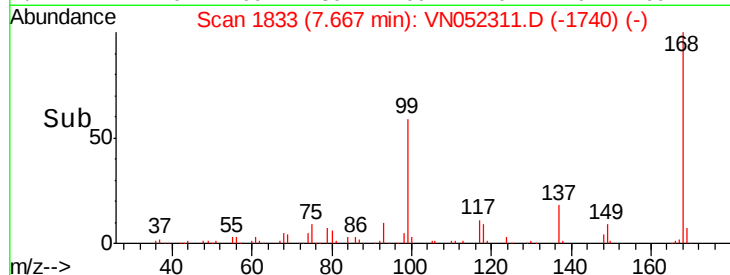
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.253 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN052311.D

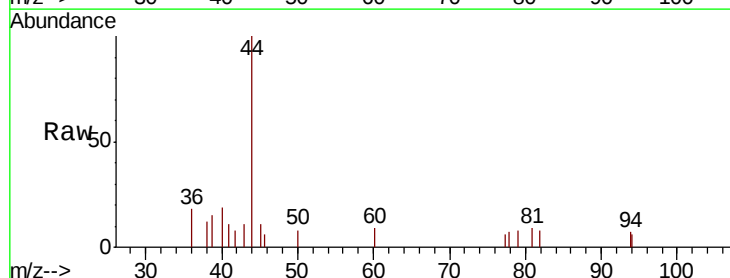
Acq: 14 Nov 2018 14:26

Tgt Ion: 94 Resp: 668

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN052307.D (-233) (-)

Ion 95.90 (95.60 to 96.60): VN052307.D (-233) (-)

2.57

400

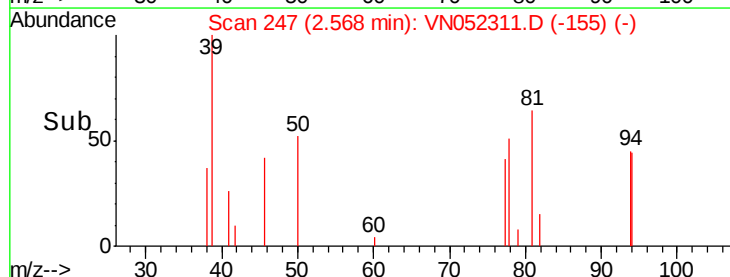
300

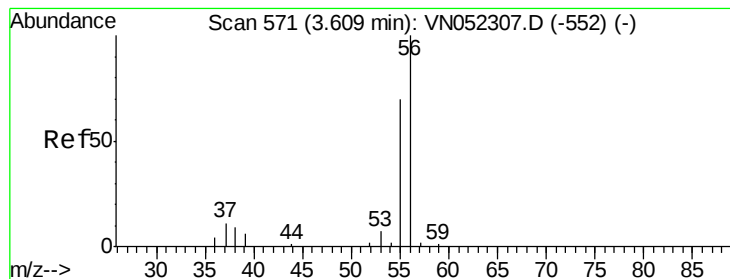
200

100

0

Time-->





#13

Acrolein

Concen: 22.472 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

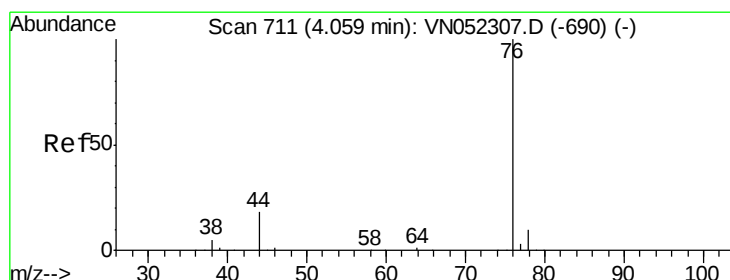
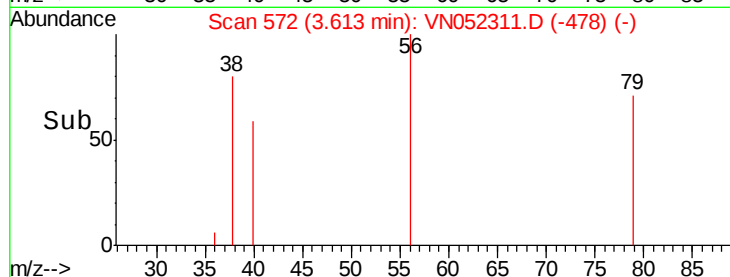
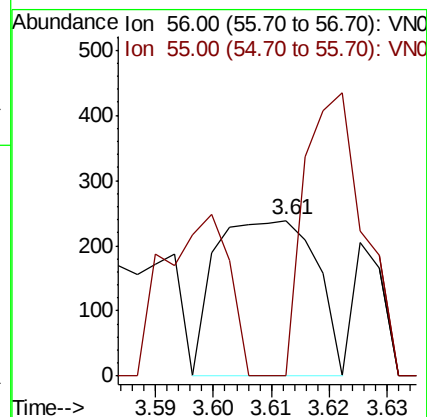
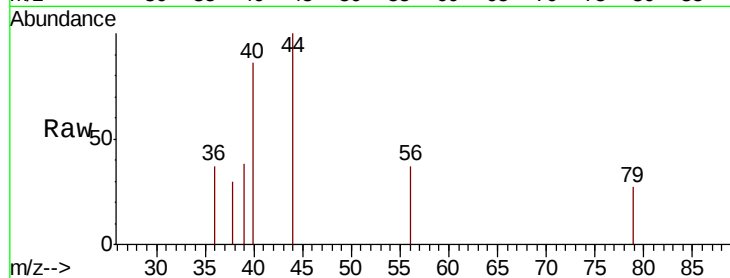
VN1114WBL01

Tot Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN052311.D

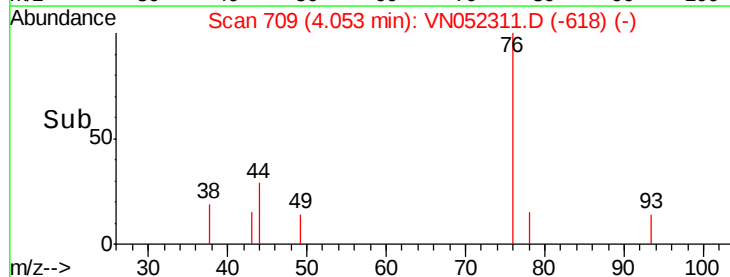
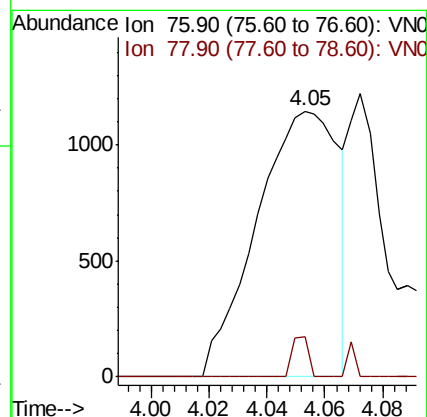
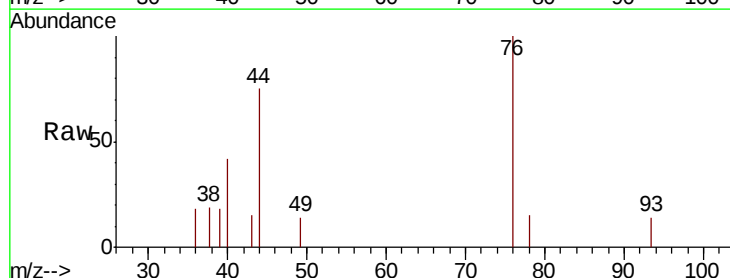
Acq: 14 Nov 2018 14:26

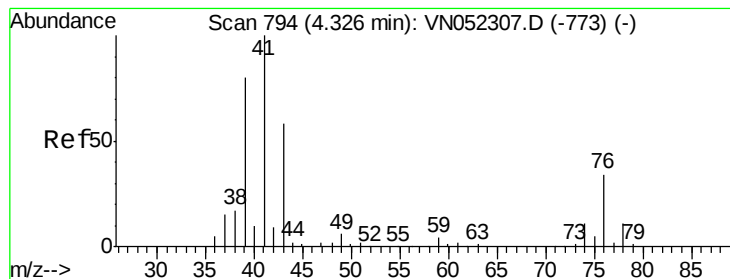
Tgt Ion: 76 Resp: 2239

Ion Ratio Lower Upper

76 100

78 15.0 7.7 11.5#





#18

Methyl Acetate

Concen: 0.576 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

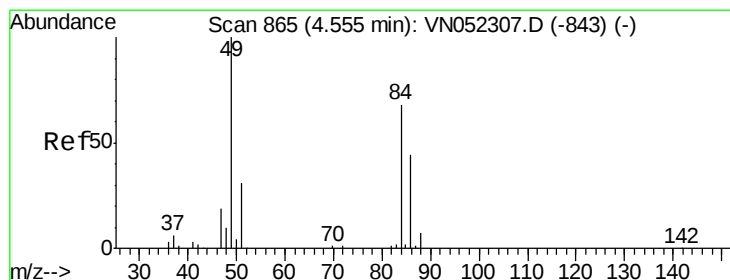
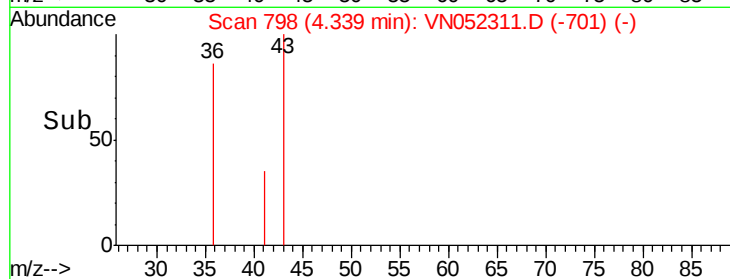
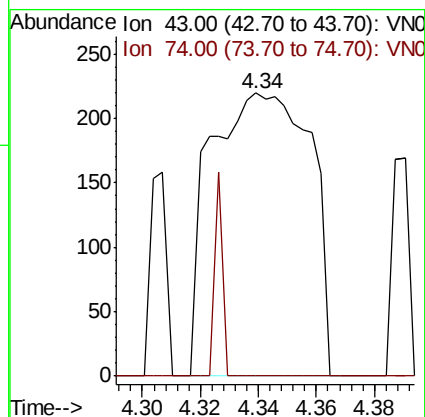
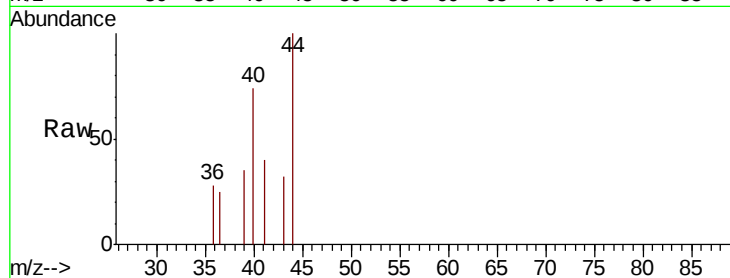
VN1114WBL01

Tot Ion: 43 Resp: 528

Ion Ratio Lower Upper

43 100

74 5.7 15.9 23.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Tgt Ion: 84 Resp: 259

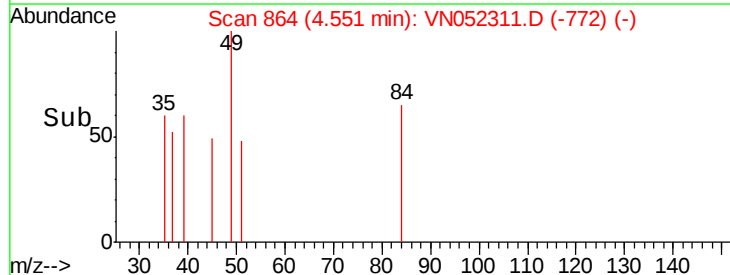
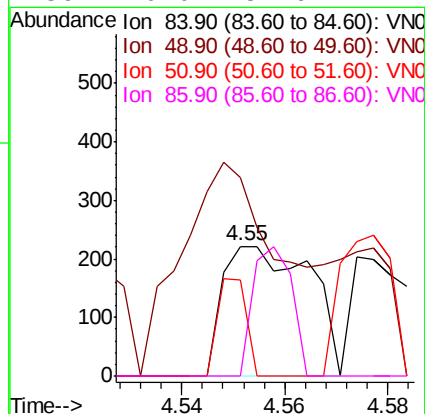
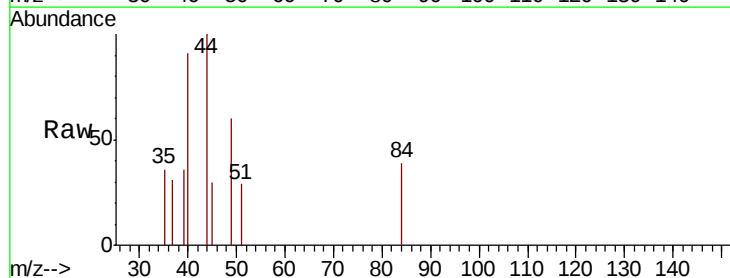
Ion Ratio Lower Upper

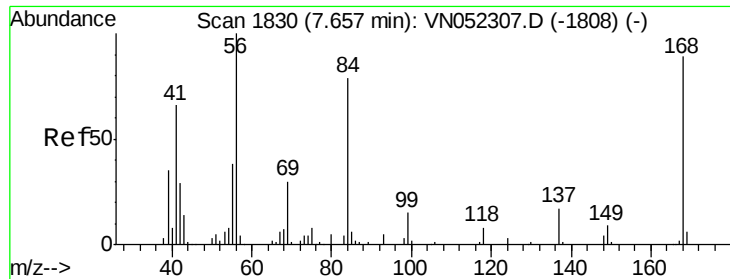
84 100

49 62.6 118.2 177.2#

51 73.4 36.1 54.1#

86 0.0 51.6 77.4#

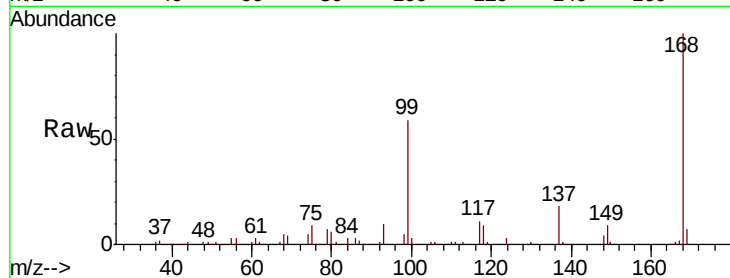




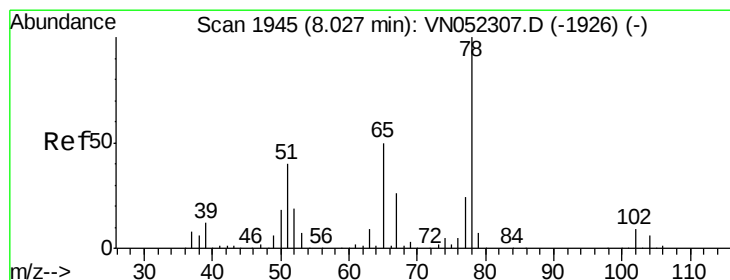
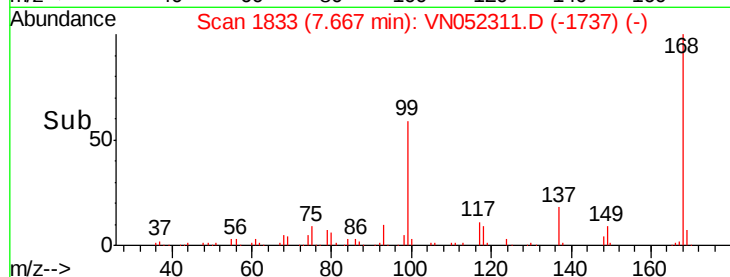
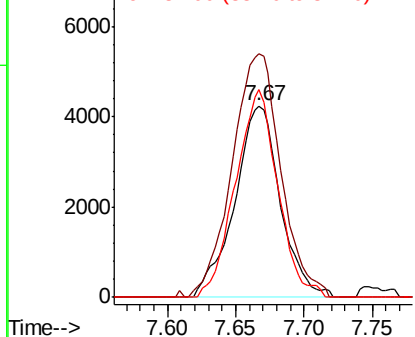
#31
Cyclohexane
Concen: 0.328 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052311.D
Acq: 14 Nov 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tot Ion: 56 Resp: 9853
Ion Ratio Lower Upper
56 100
69 127.1 23.8 35.8#
84 108.8 63.0 94.6#

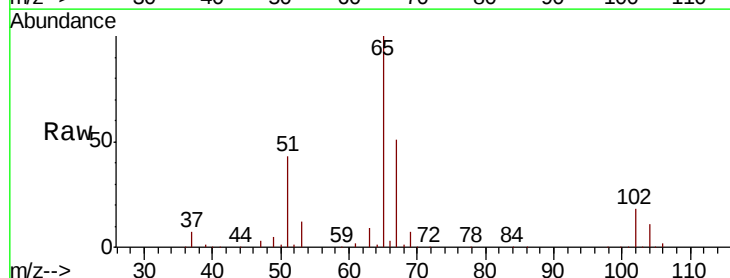


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

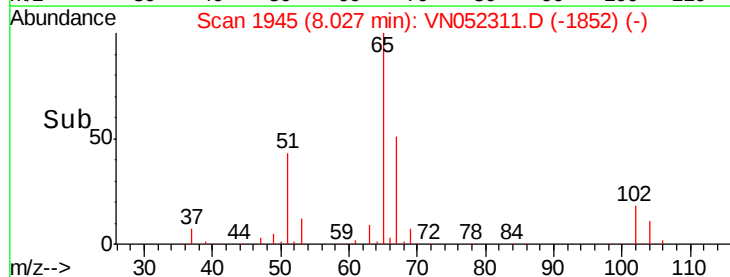
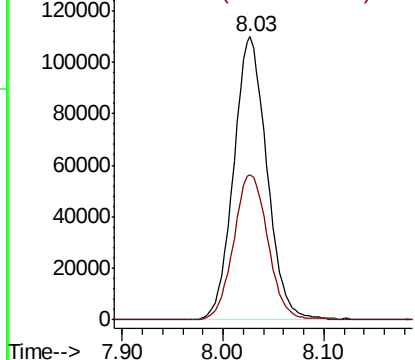


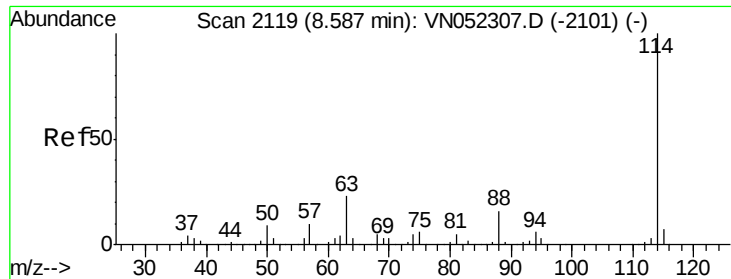
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052311.D
Acq: 14 Nov 2018 14:26

Tgt Ion: 65 Resp: 250886
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.2



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

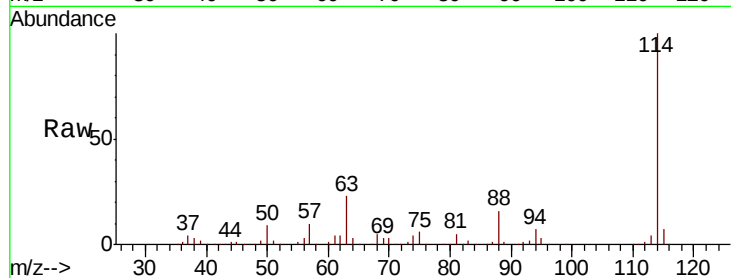




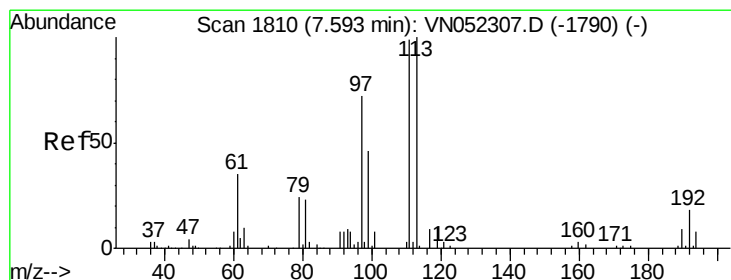
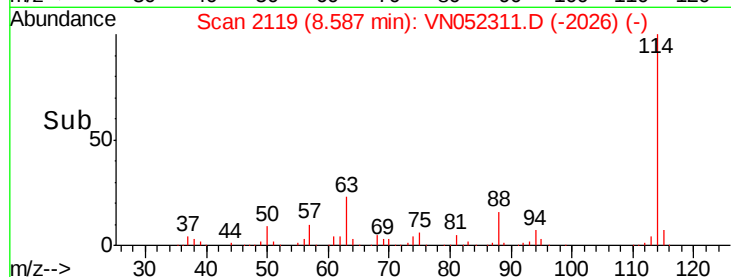
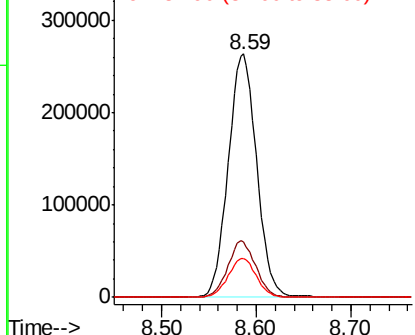
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052311.D
 Acq: 14 Nov 2018 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Tot Ion:114 Resp: 550082
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.4
 88 16.1 0.0 31.2

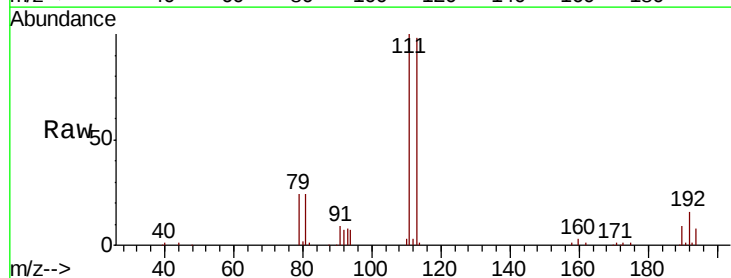


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

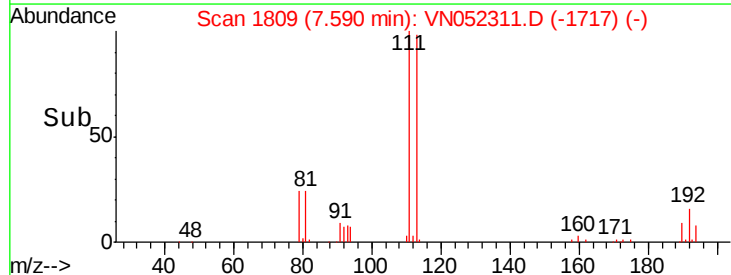
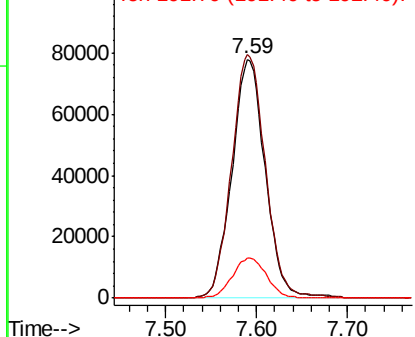


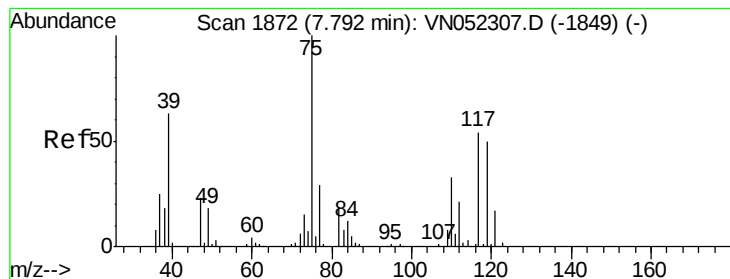
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052311.D
 Acq: 14 Nov 2018 14:26

Tgt Ion:113 Resp: 197968
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.0 121.6
 192 17.2 13.8 20.6



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: 5.299 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

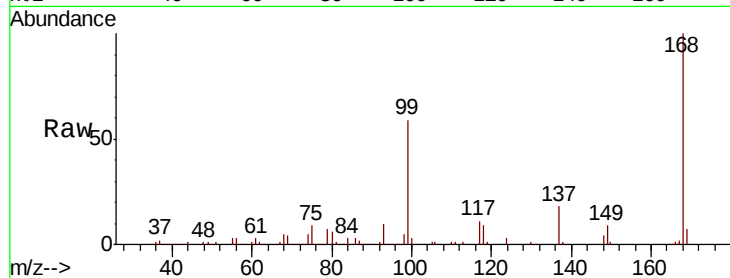
Tot Ion: 75 Resp: 29216

Ion Ratio Lower Upper

75 100

110 8.2 16.5 49.5#

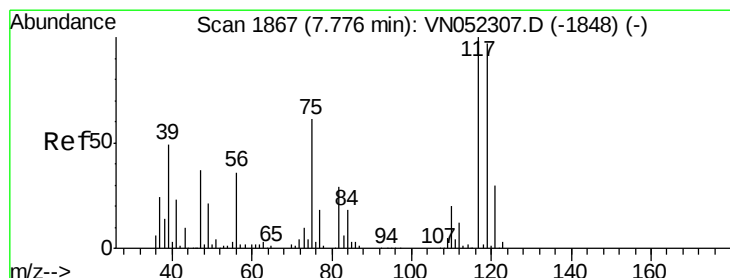
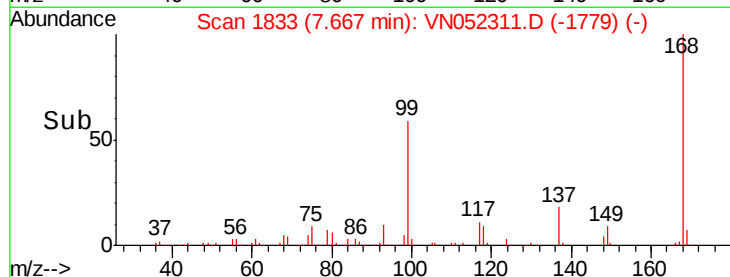
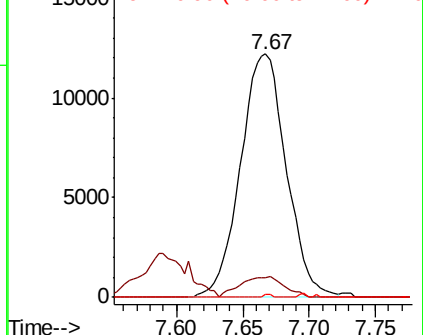
77 0.2 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052311.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052311.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052311.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.916 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

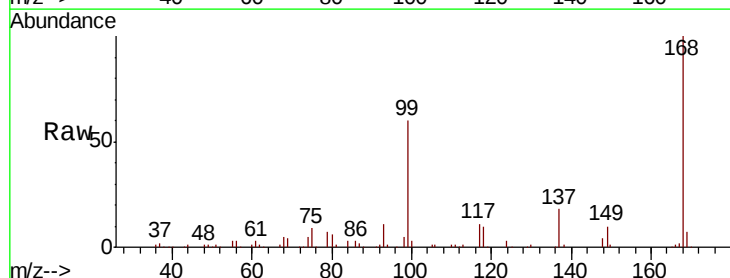
Tgt Ion: 117 Resp: 35030

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

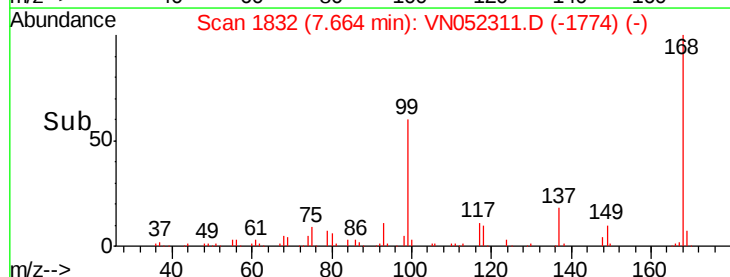
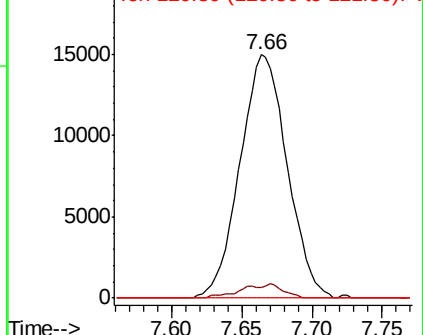
121 0.0 24.0 36.0#

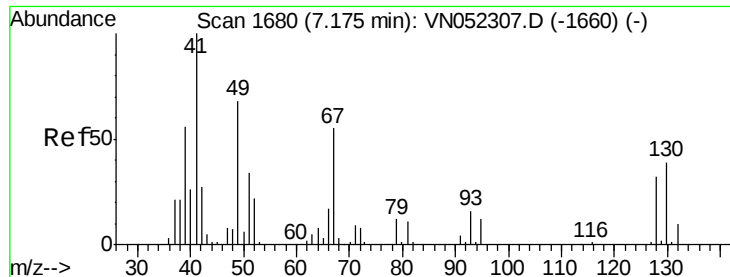


Abundance Ion 116.80 (116.50 to 117.50): VN052311.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052311.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052311.D (-1774) (-)





#41

Methacrylonitrile

Concen: 3.831 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.02 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VN1114WBL01

Tot Ion: 41 Resp: 326

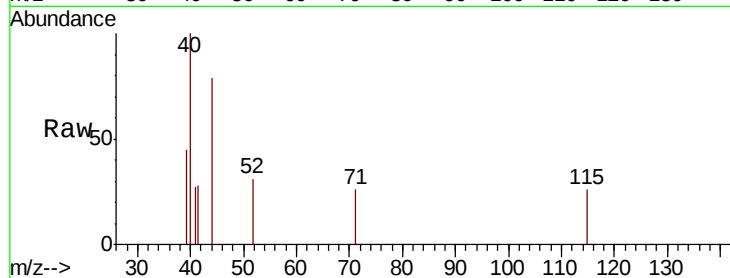
Ion Ratio Lower Upper

41 100

39 27.0 0.0 0.0#

67 0.0 0.0 0.0

52 22.1 0.0 0.0#

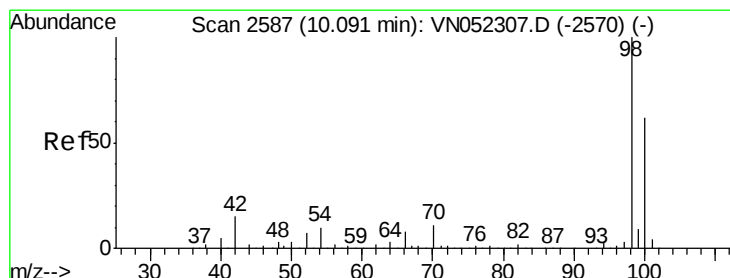
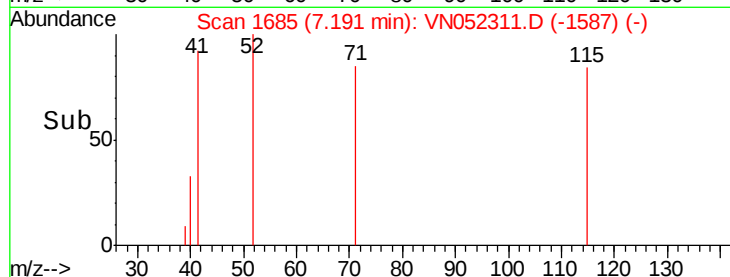
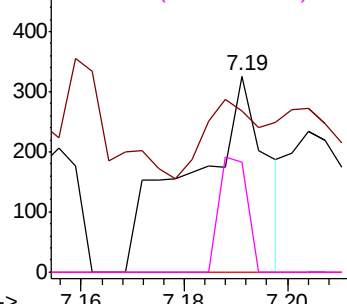


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052311.D

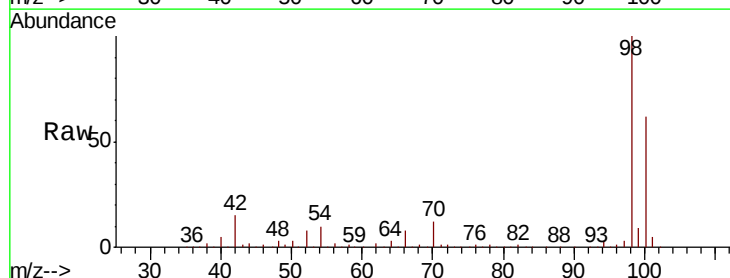
Acq: 14 Nov 2018 14:26

Tgt Ion: 98 Resp: 766742

Ion Ratio Lower Upper

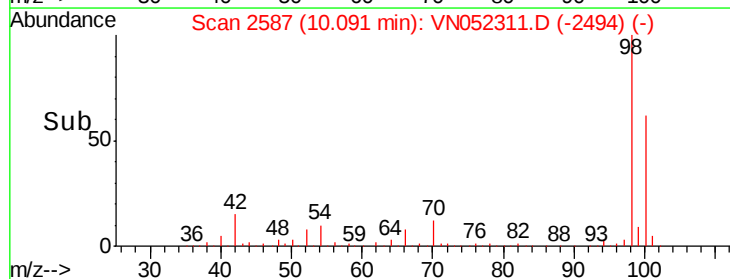
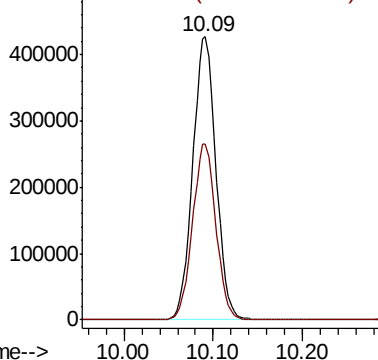
98 100

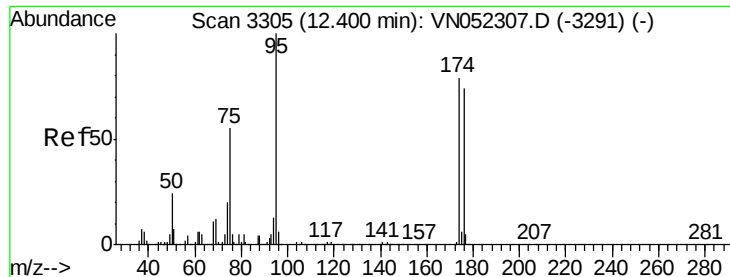
100 62.7 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

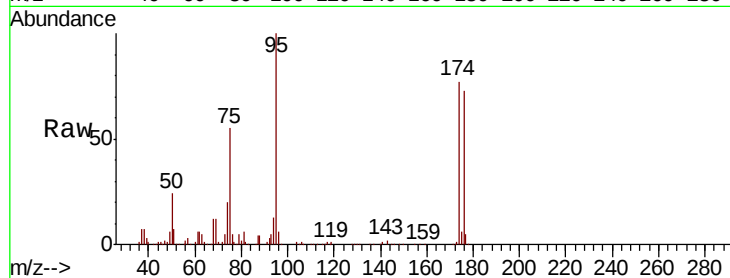
Tot Ion: 95 Resp: 230099

Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.0

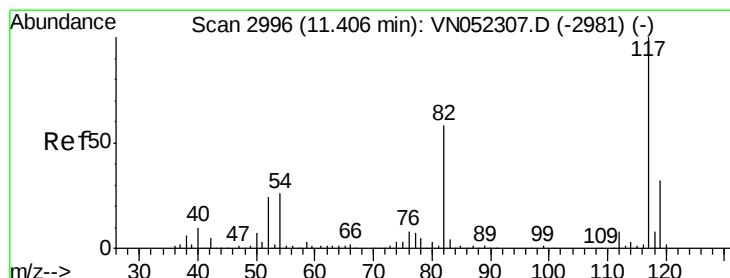
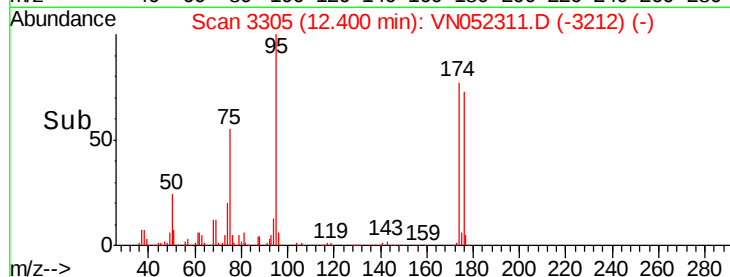
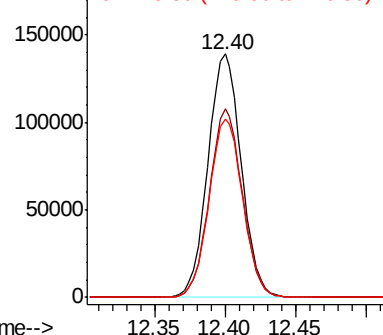
176 74.2 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052311.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052311.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052311.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

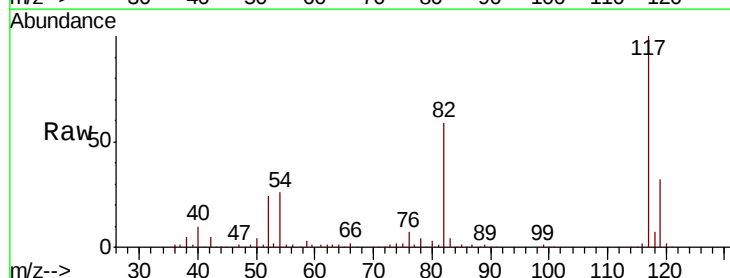
Tgt Ion: 117 Resp: 463905

Ion Ratio Lower Upper

117 100

82 58.5 46.5 69.7

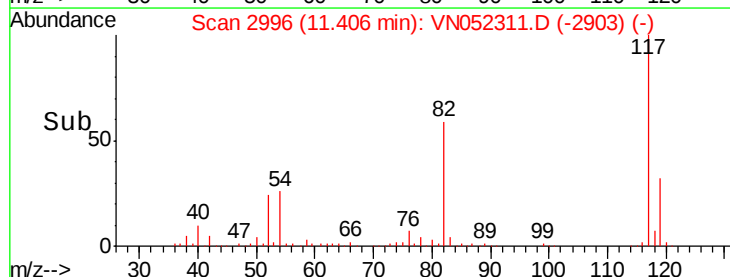
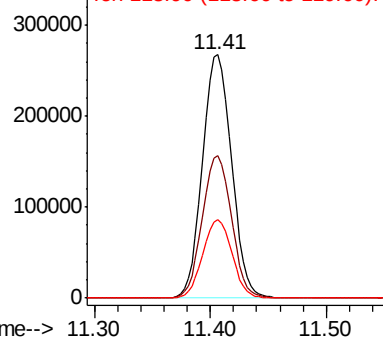
119 32.1 25.7 38.5

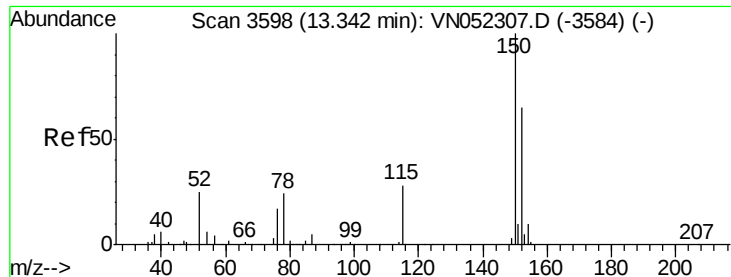


Abundance Ion 116.90 (116.60 to 117.60): VN052311.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052311.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052311.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VN1114WBL01

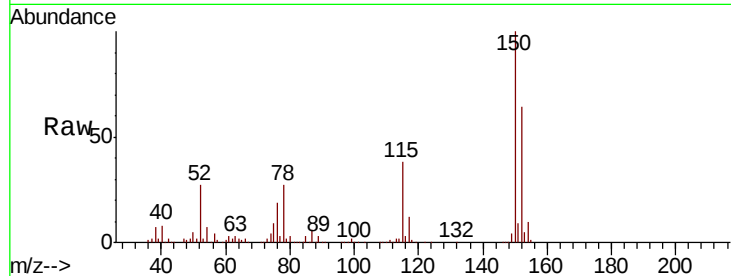
Tot Ion:152 Resp: 167272

Ion Ratio Lower Upper

152 100

115 59.9 30.3 91.0

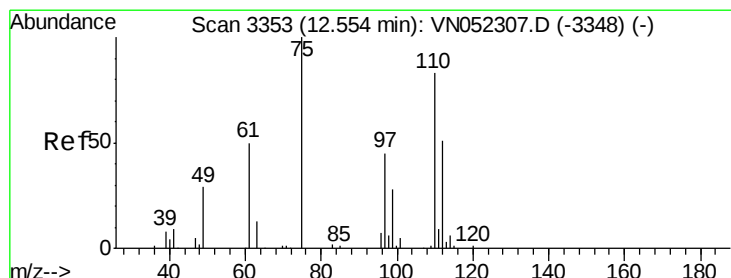
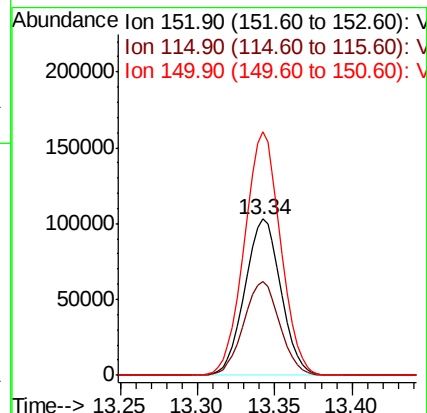
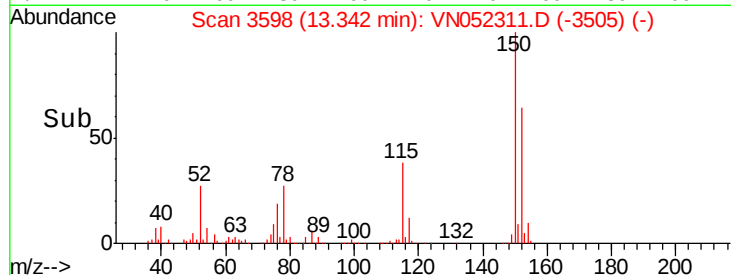
150 156.1 0.0 348.2



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: 44.686 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052311.D

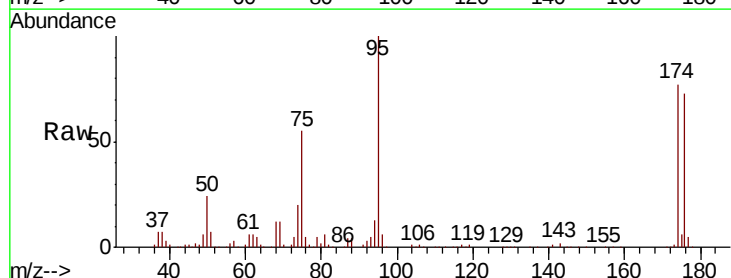
Acq: 14 Nov 2018 14:26

Tgt Ion: 75 Resp: 126833

Ion Ratio Lower Upper

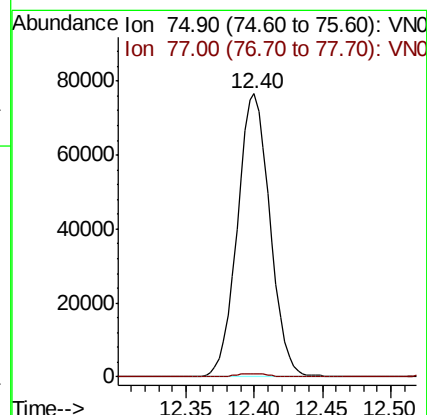
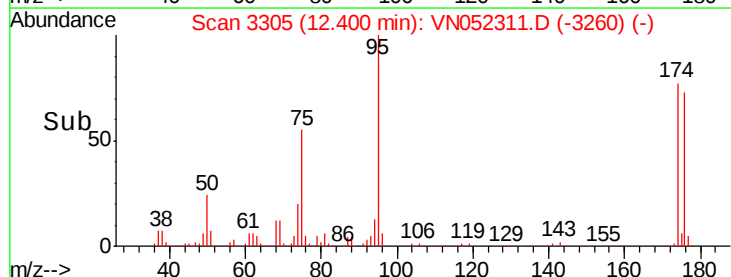
75 100

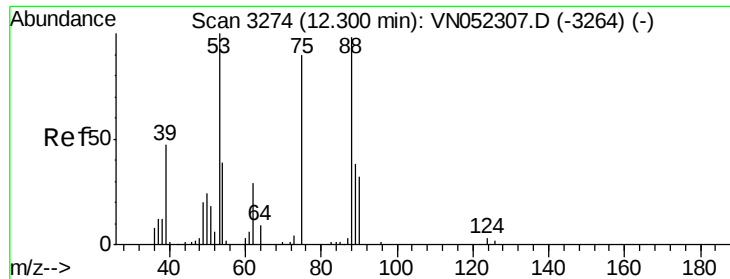
77 1.2 0.0 0.0#



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: 144.935 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VN1114WBL01

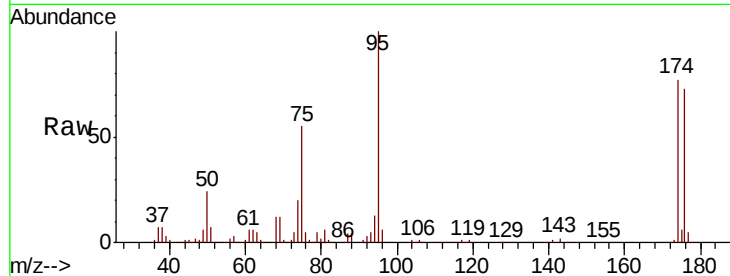
Tot Ion: 75 Resp: 126833

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

89 0.0 35.4 53.0#

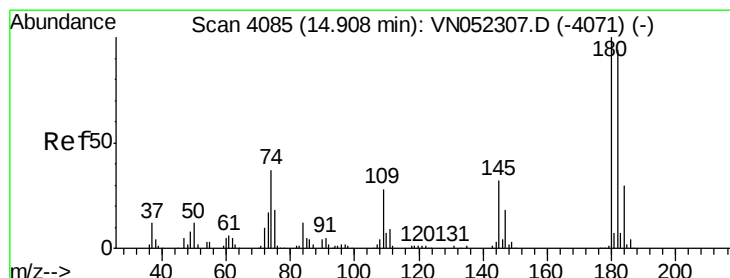
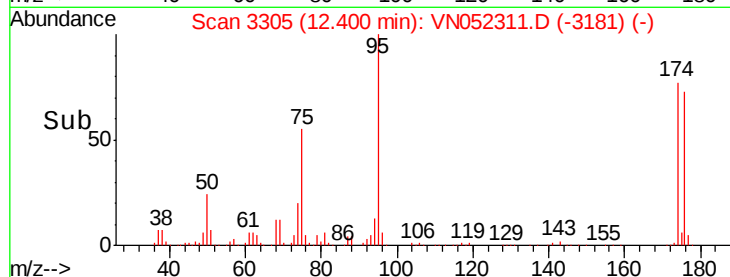
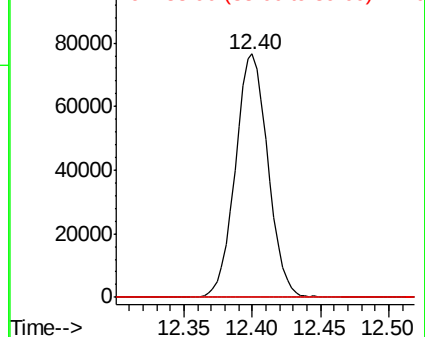


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 2.604 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN052311.D

Acq: 14 Nov 2018 14:26

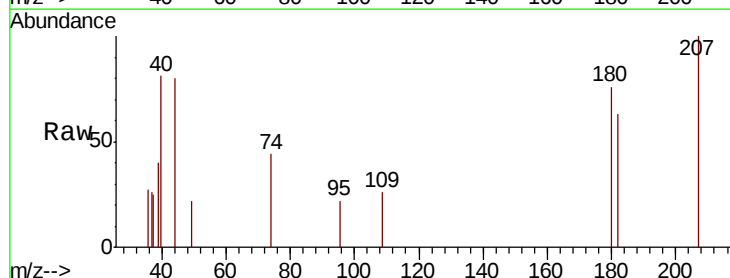
Tgt Ion: 180 Resp: 910

Ion Ratio Lower Upper

180 100

182 100.7 47.6 142.9

145 18.5 15.5 46.5

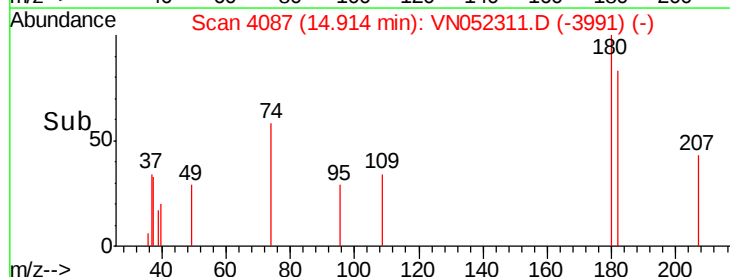
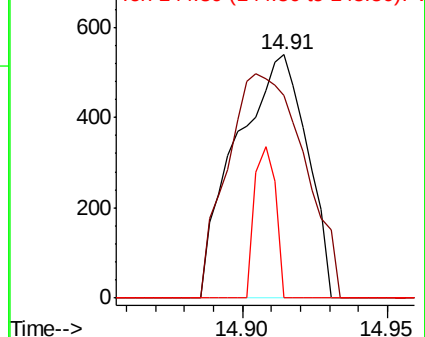


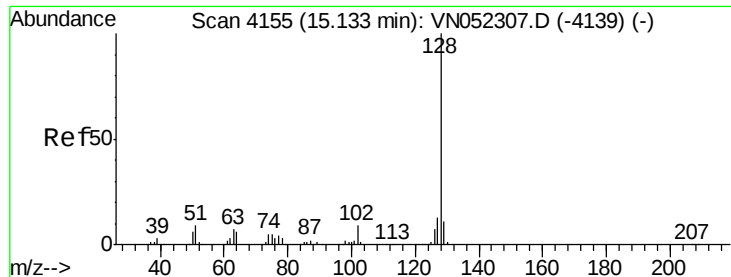
Abundance

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

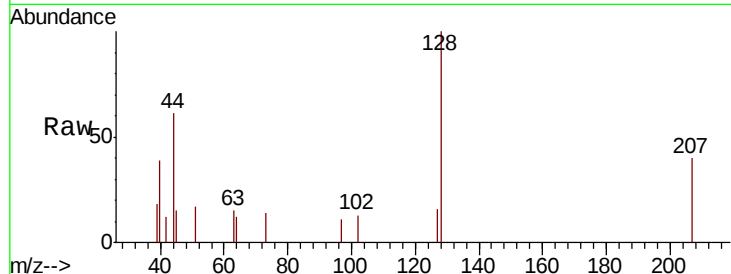




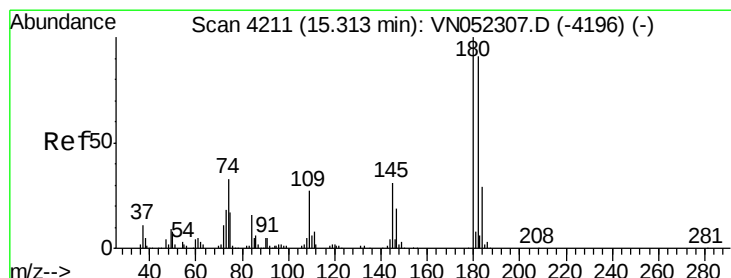
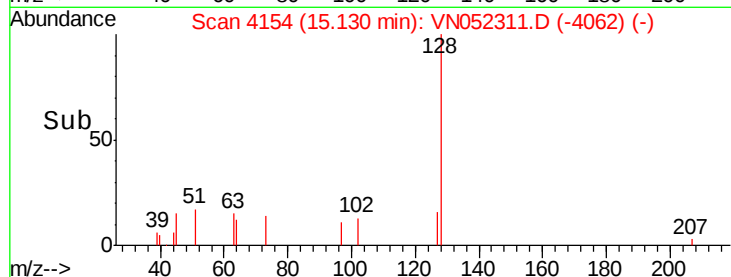
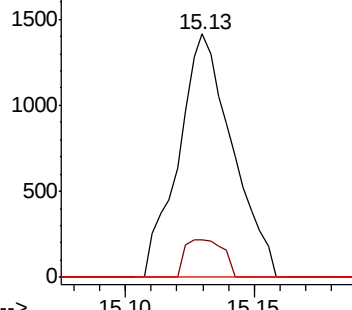
#95
Naphthalene
Concen: 2.934 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052311.D
Acq: 14 Nov 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tot Ion:128 Resp: 2060
Ion Ratio Lower Upper
128 100
127 11.0 10.4 15.6
129 0.0 8.6 13.0#

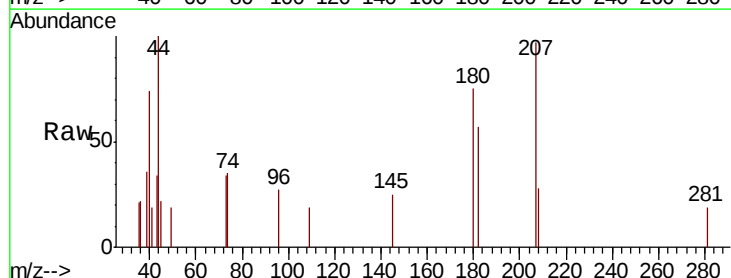


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.458 ug/l
RT: 15.32 min Scan# 4214
Delta R.T. 0.01 min
Lab File: VN052311.D
Acq: 14 Nov 2018 14:26

Tgt Ion:180 Resp: 937
Ion Ratio Lower Upper
180 100
182 90.9 46.5 139.3
145 19.7 16.4 49.2



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

