

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052101.D
 Acq On : 1 Nov 2018 14:14
 Operator : MD\SY
 Sample : J5754-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-03-SUMP-53-ST

Quant Time: Nov 02 05:45:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	57370	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	328161	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	283980	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	133580	31.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.57%
60) 4-Bromofluorobenzene	12.40	95	124004	27.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.00%
63) Toluene-d8	10.09	98	404262	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

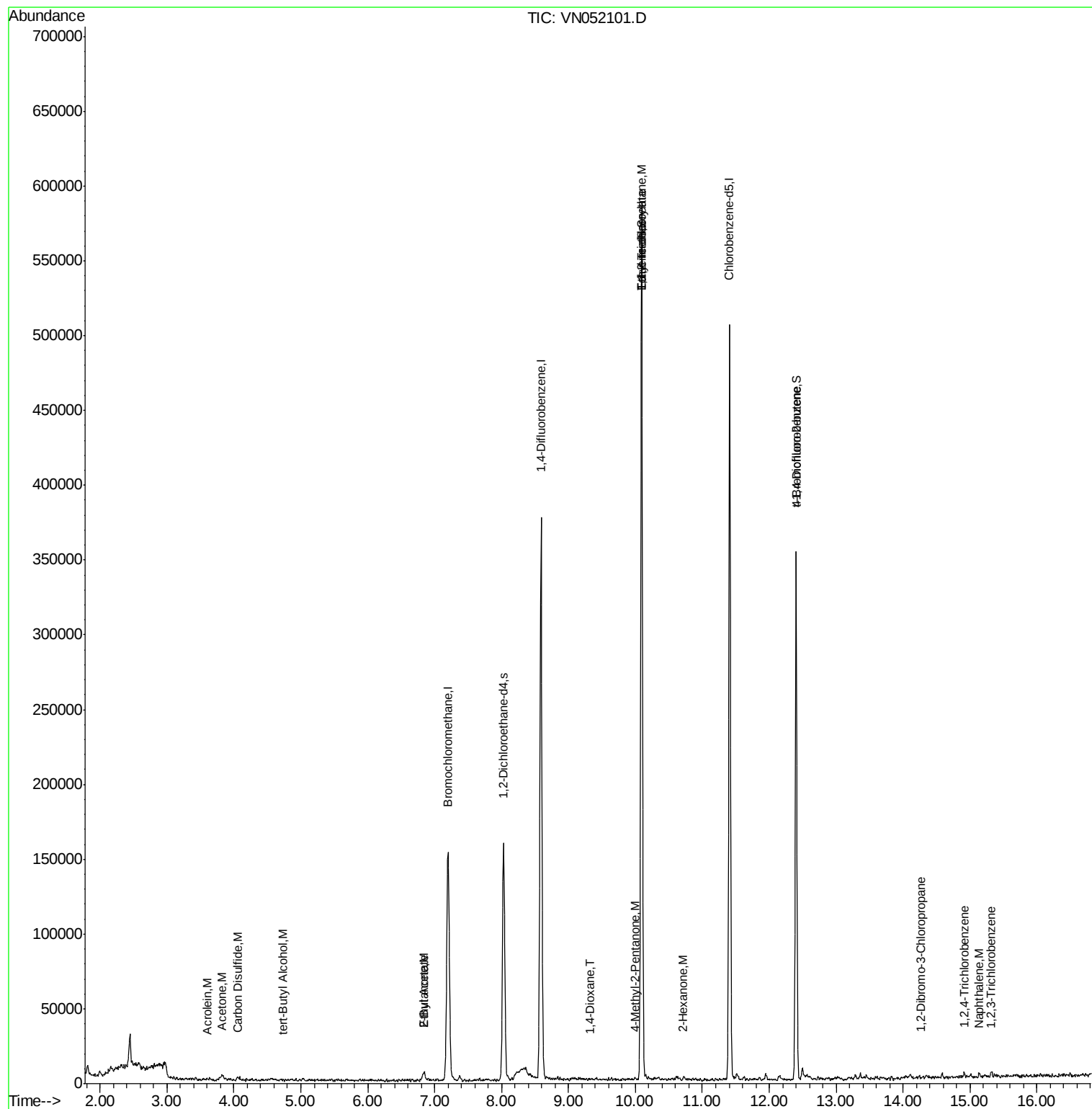
					Qvalue	
13) Acrolein	3.61	56	171	0.604	ug/l #	71
15) Acetone	3.82	58	384	1.372	ug/l	88
16) Carbon Disulfide	4.05	76	1928	0.206	ug/l #	76
23) tert-Butyl Alcohol	4.74	59	64	0.347	ug/l #	1
30) 2-Butanone	6.85	43	2722	1.962	ug/l #	86
43) Ethyl Acetate	6.85	43	2722	0.390	ug/l #	96
45) 1,4-Dioxane	9.33	88	70	2.658	ug/l #	21
50) 1,1,2-Trichloroethane	10.09	97	12316	3.721	ug/l #	1
51) Ethyl methacrylate	10.09	69	1377	0.322	ug/l	82
58) 4-Methyl-2-Pentanone	9.99	43	677	0.222	ug/l #	87
59) 2-Hexanone	10.72	43	1461	0.697	ug/l #	35
77) t-1,4-Dichloro-2-butene	12.40	75	63970	62.304	ug/l #	9
88) 1,2-Dibromo-3-Chloropropan	14.26	75	145	0.284	ug/l #	6
89) 1,2,4-Trichlorobenzene	14.91	180	838	0.327	ug/l #	89
91) Naphthalene	15.13	128	2250	0.381	ug/l #	81
92) 1,2,3-Trichlorobenzene	15.31	180	673	0.301	ug/l	72

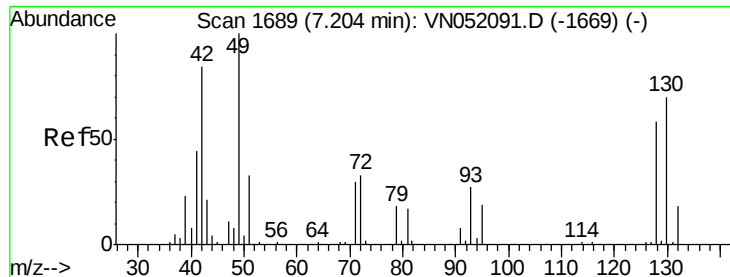
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 02 05:39:38 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN052101.D

Acq: 1 Nov 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

BEL-03-SUMP-53-ST

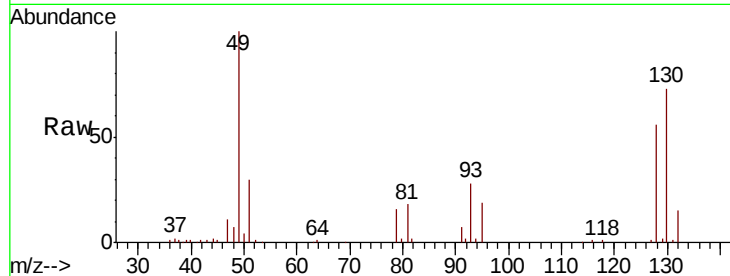
Tgt Ion:128 Resp: 57370

Ion Ratio Lower Upper

128 100

49 178.7 0.0 453.7

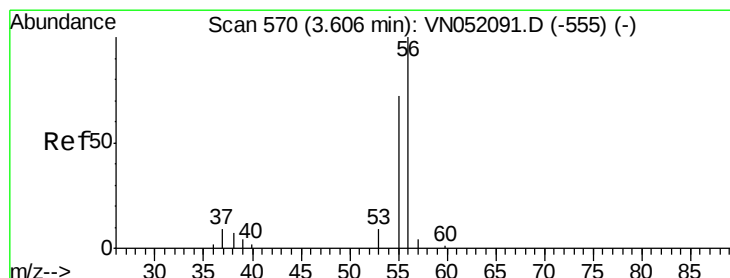
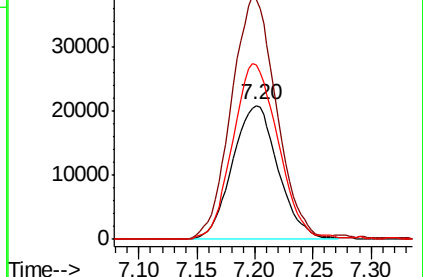
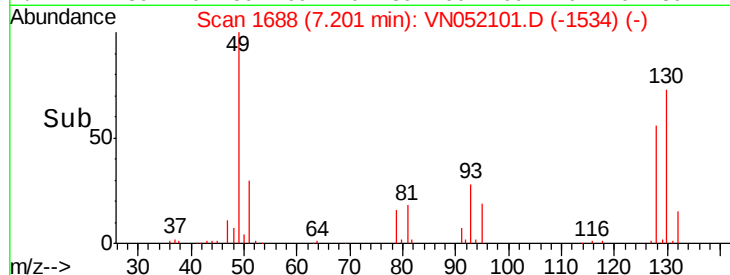
130 129.4 0.0 308.8



Abundance Ion 128.00 (127.70 to 128.70): VN052101.D (-1534) (-)

Ion 49.00 (48.70 to 49.70): VN052101.D (-1534) (-)

Ion 130.00 (129.70 to 130.70): VN052101.D (-1534) (-)



#13

Acrolein

Concen: 0.604 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052101.D

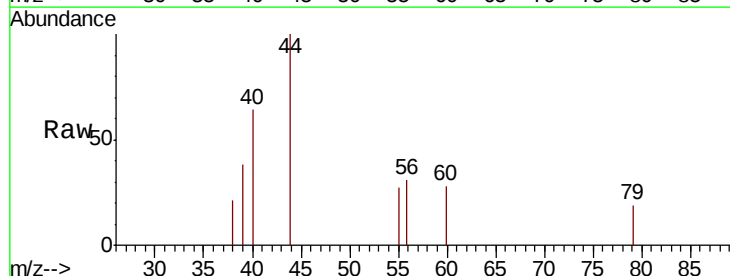
Acq: 1 Nov 2018 14:14

Tgt Ion: 56 Resp: 171

Ion Ratio Lower Upper

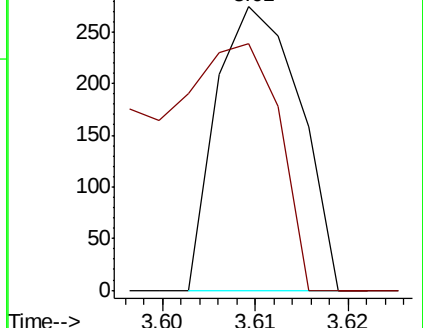
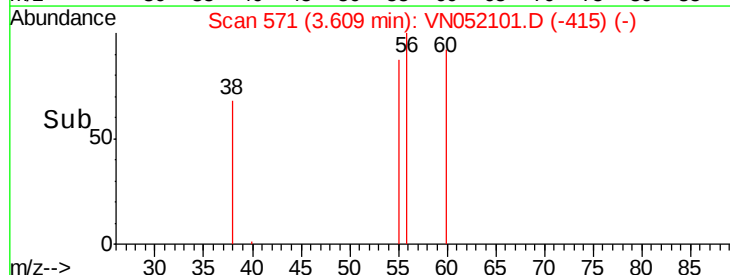
56 100

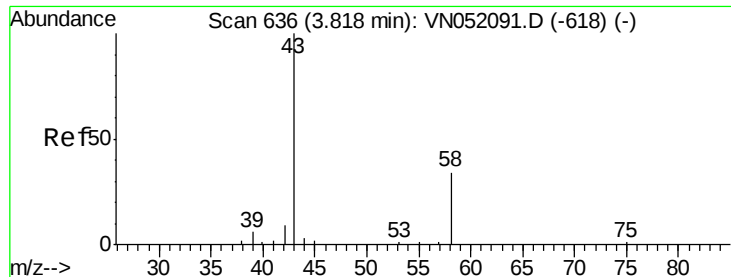
55 94.2 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VN052101.D (-415) (-)

Ion 55.00 (54.70 to 55.70): VN052101.D (-415) (-)





#15

Acetone

Concen: 1.372 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052101.D

Acq: 1 Nov 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

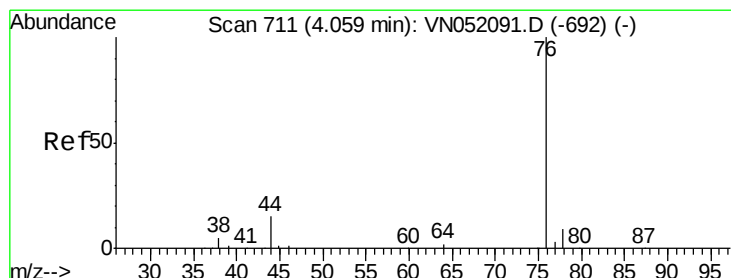
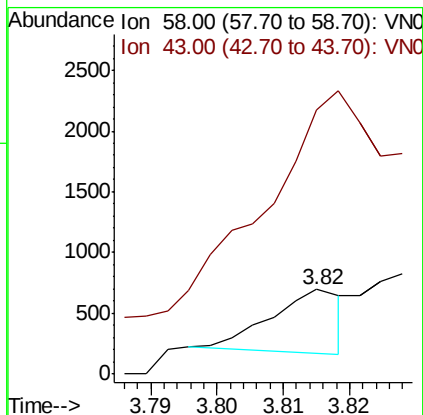
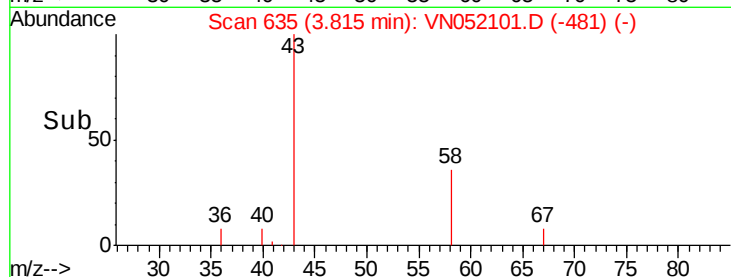
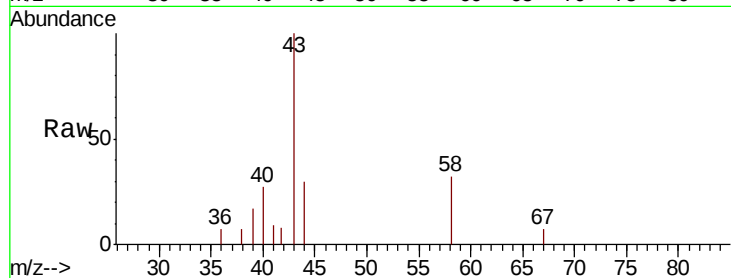
BEL-03-SUMP-53-ST

Tgt Ion: 58 Resp: 384

Ion Ratio Lower Upper

58 100

43 317.3 234.7 352.1



#16

Carbon Disulfide

Concen: 0.206 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN052101.D

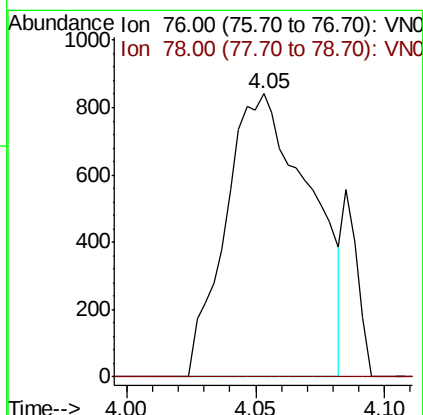
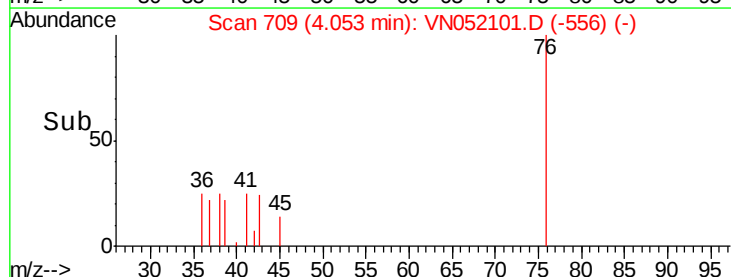
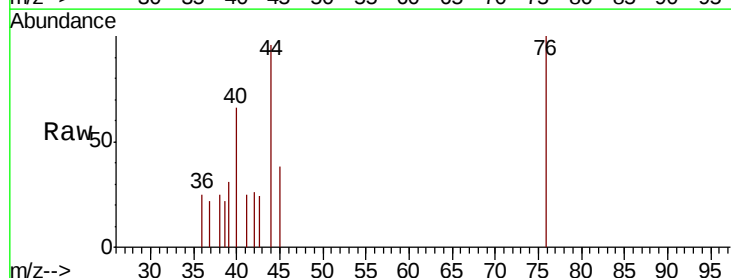
Acq: 1 Nov 2018 14:14

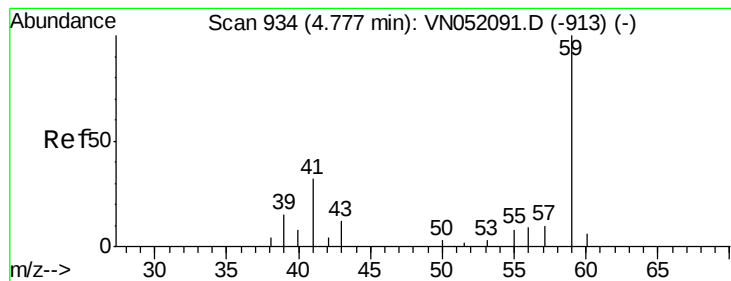
Tgt Ion: 76 Resp: 1928

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



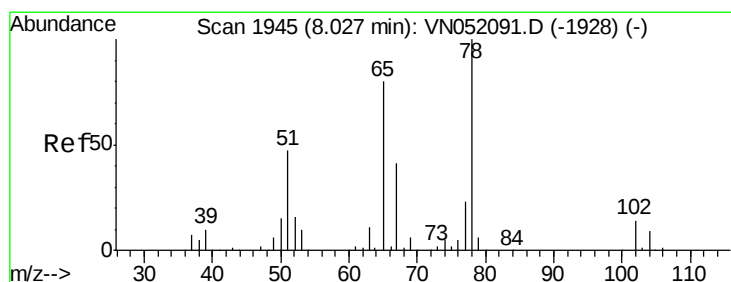
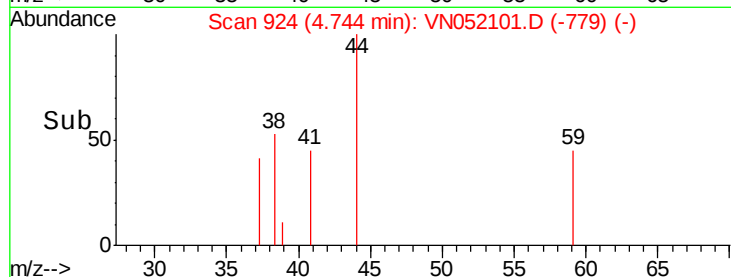
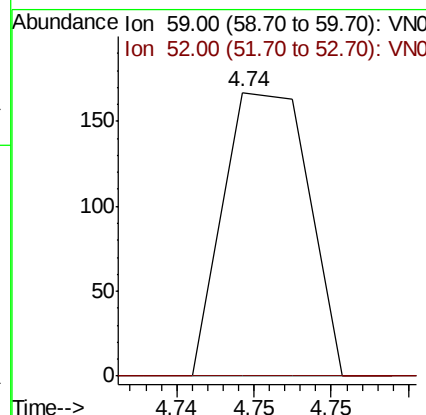
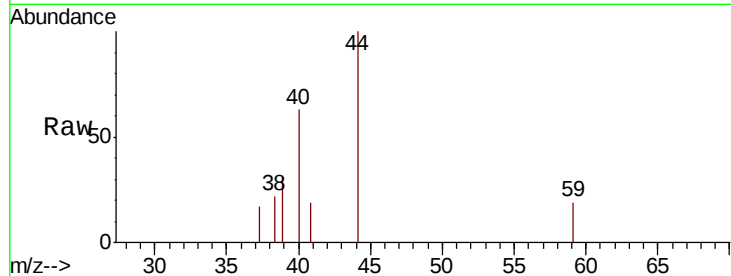


#23

tert-Butyl Alcohol
 Concen: 0.347 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.03 min
 Lab File: VN052101.D
 Acq: 1 Nov 2018 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-03-SUMP-53-ST

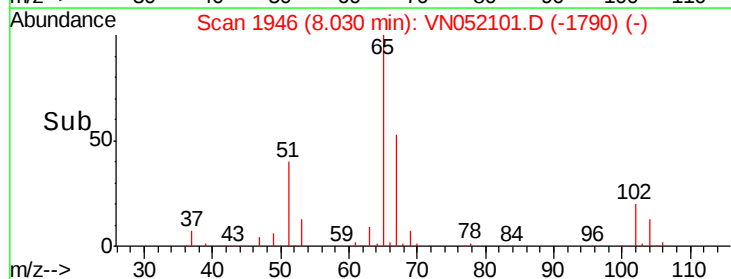
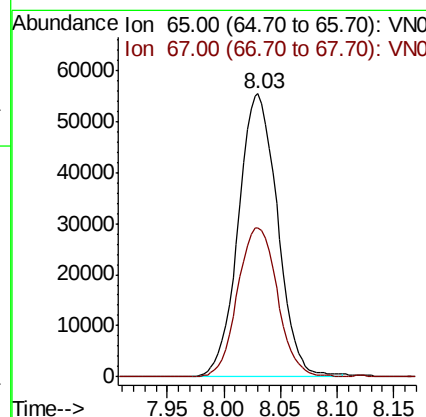
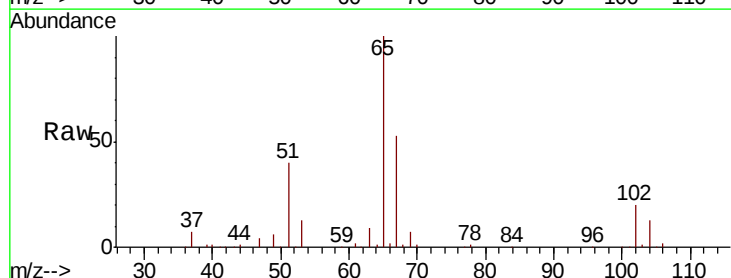
Tgt Ion: 59 Resp: 64
 Ion Ratio Lower Upper
 59 100
 52 98.4 0.3 0.5#

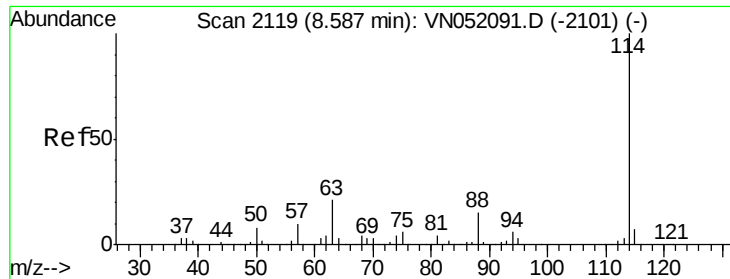


#27

1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052101.D
 Acq: 1 Nov 2018 14:14

Tgt Ion: 65 Resp: 133580
 Ion Ratio Lower Upper
 65 100
 67 53.4 42.6 64.0

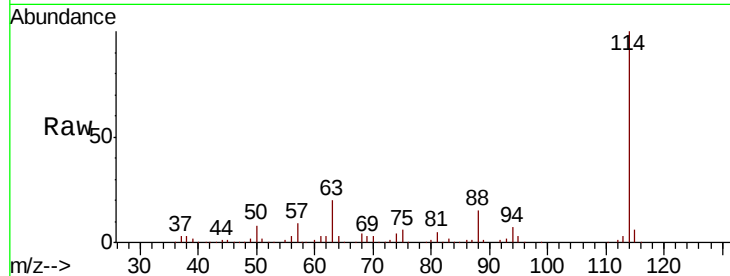




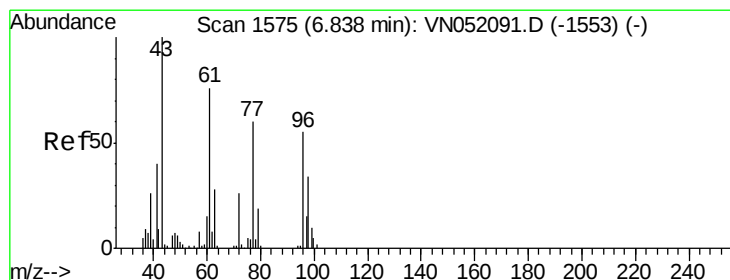
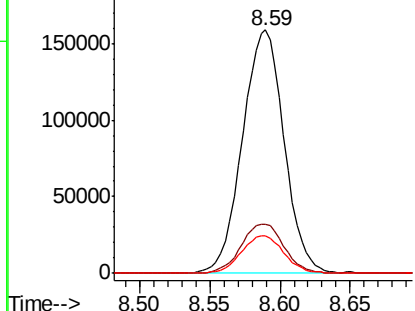
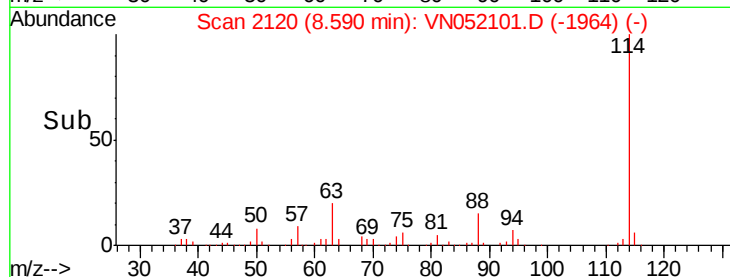
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052101.D
 Acq: 1 Nov 2018 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-03-SUMP-53-ST

Tgt Ion: 114 Resp: 328161
 Ion Ratio Lower Upper
 114 100
 63 21.0 17.5 26.3
 88 15.9 12.6 18.8

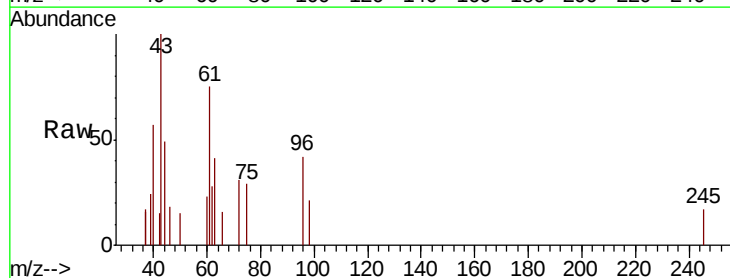


Abundance Ion 114.00 (113.70 to 114.70): VN052101.D (-1964) (-)
 Ion 63.00 (62.70 to 63.70): VN052101.D (-1964) (-)
 Ion 88.00 (87.70 to 88.70): VN052101.D (-1964) (-)

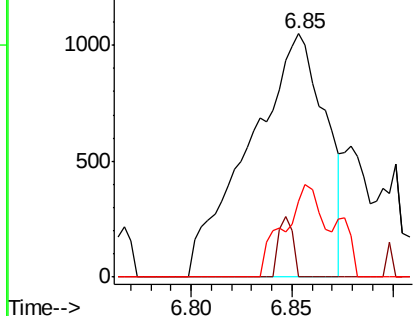
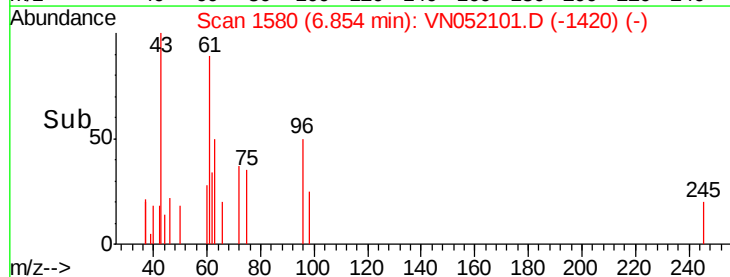


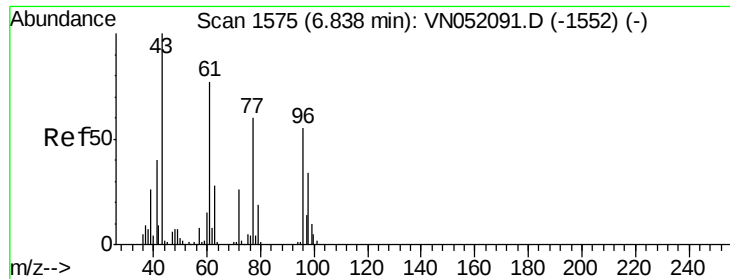
#30
 2-Butanone
 Concen: 1.962 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: VN052101.D
 Acq: 1 Nov 2018 14:14

Tgt Ion: 43 Resp: 2722
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.6 9.8#
 72 14.2 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052101.D (-1420) (-)
 Ion 57.00 (56.70 to 57.70): VN052101.D (-1420) (-)
 Ion 72.00 (71.70 to 72.70): VN052101.D (-1420) (-)

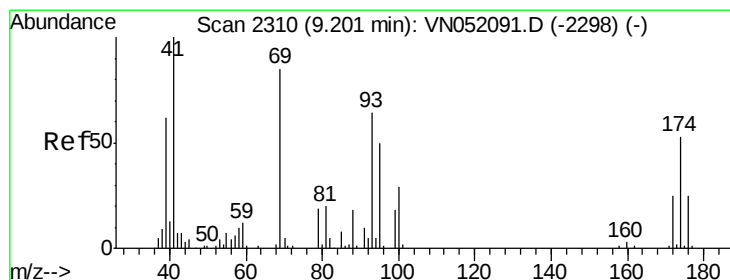
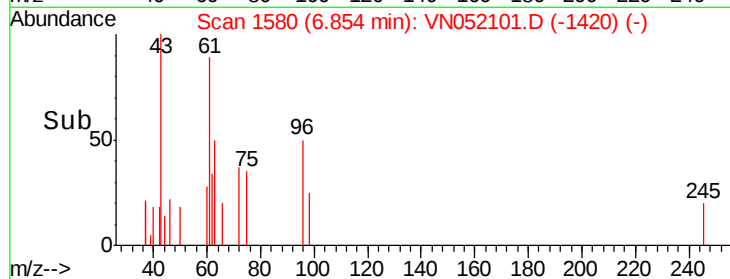
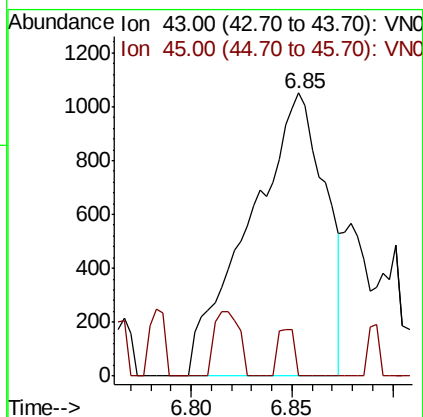
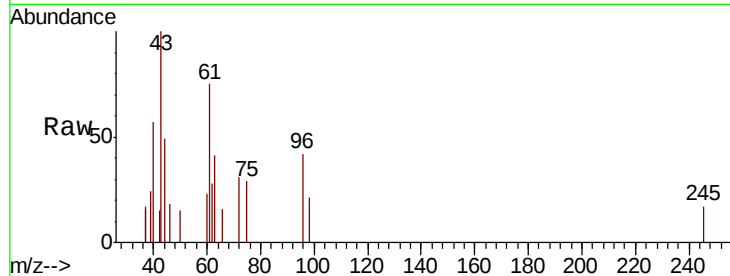




#43
Ethyl Acetate
Concen: 0.390 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

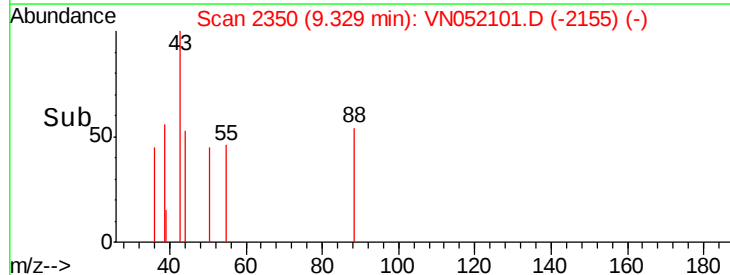
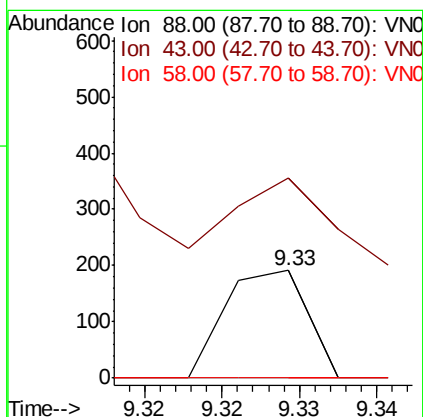
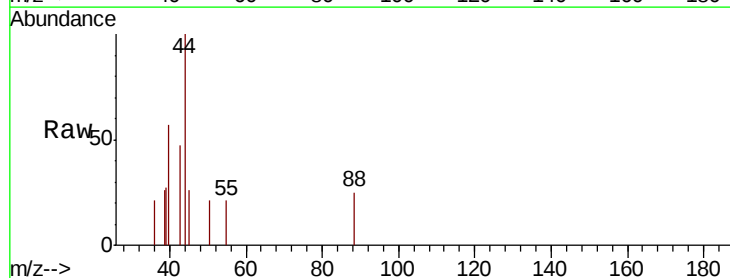
Instrument :
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BEL-03-SUMP-53-ST

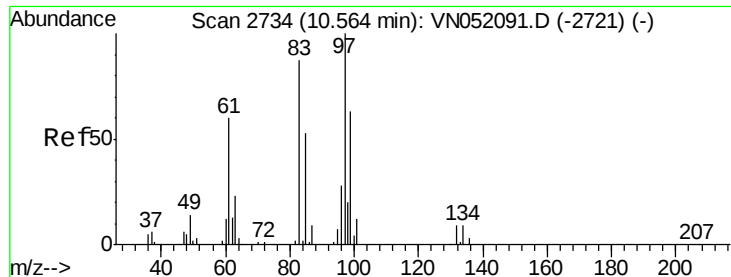
Tgt Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
45 3.6 3.8 5.8#



#45
1,4-Dioxane
Concen: 2.658 ug/l
RT: 9.33 min Scan# 2350
Delta R.T. 0.13 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 88.6 28.6 43.0#
58 0.0 37.8 56.8#

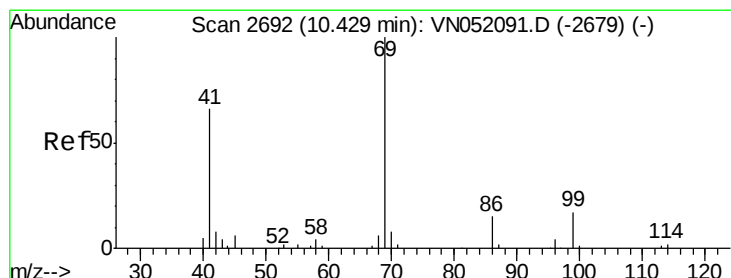
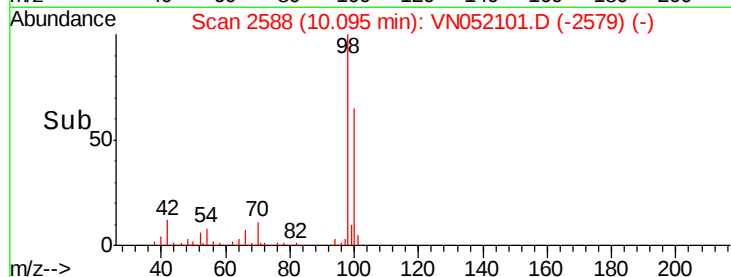
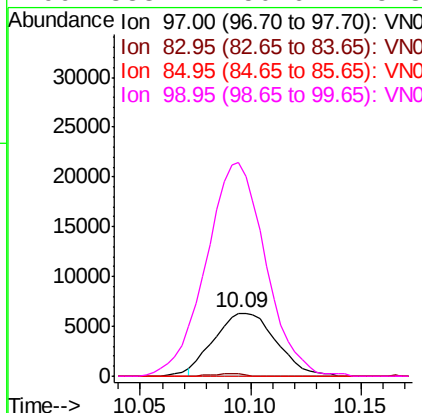
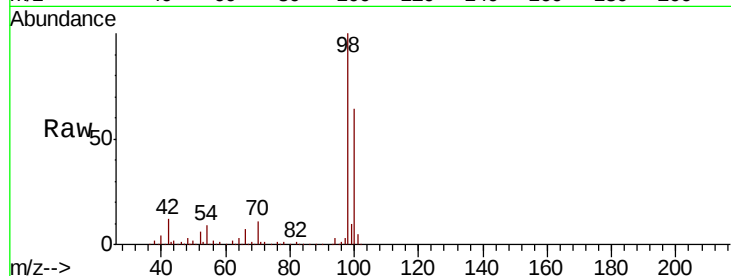




#50
 1,1,2-Trichloroethane
 Concen: 3.721 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.47 min
 Lab File: VN052101.D
 Acq: 1 Nov 2018 14:14

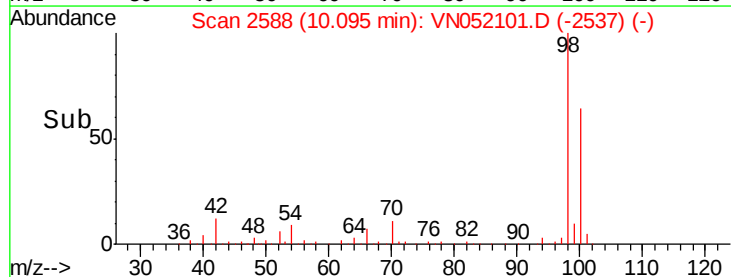
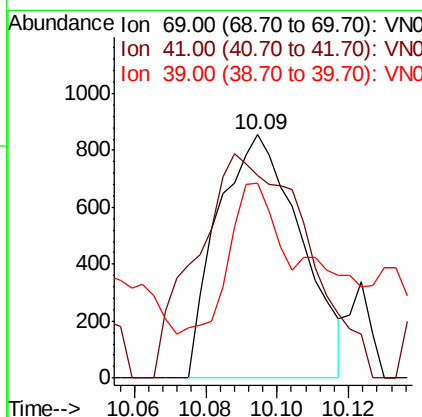
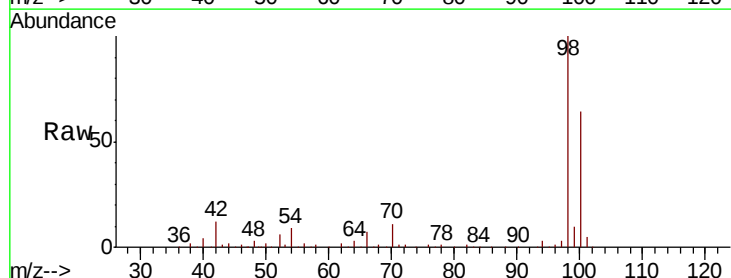
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 BEL-03-SUMP-53-ST

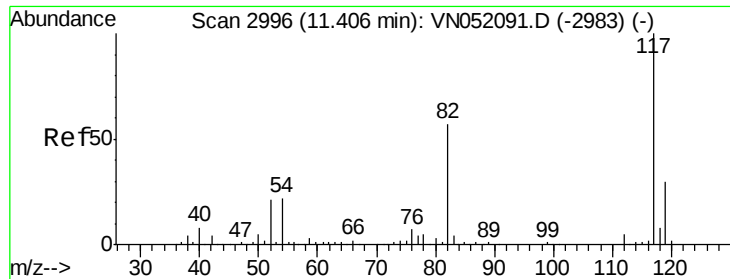
Tgt Ion: 97 Resp: 12316
 Ion Ratio Lower Upper
 97 100
 83 3.6 69.4 104.0#
 85 0.0 42.7 64.1#
 99 333.2 50.6 75.8#



#51
 Ethyl methacrylate
 Concen: 0.322 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.33 min
 Lab File: VN052101.D
 Acq: 1 Nov 2018 14:14

Tgt Ion: 69 Resp: 1377
 Ion Ratio Lower Upper
 69 100
 41 57.1 33.0 99.0
 39 59.6 20.7 62.1

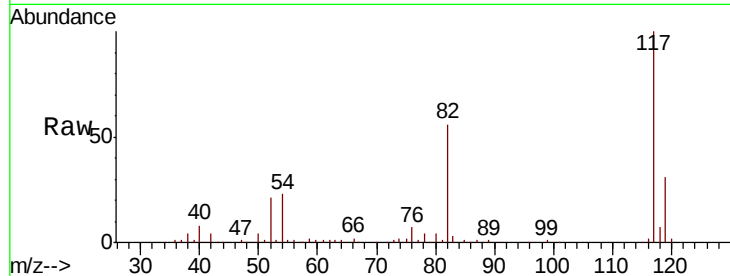




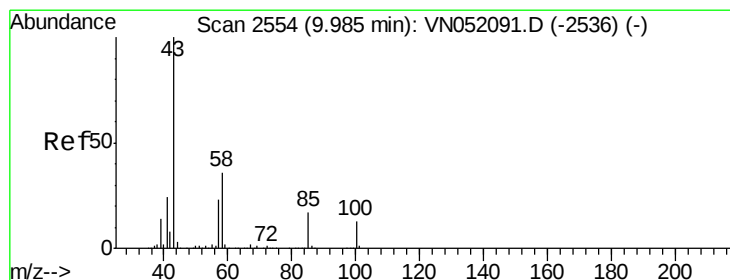
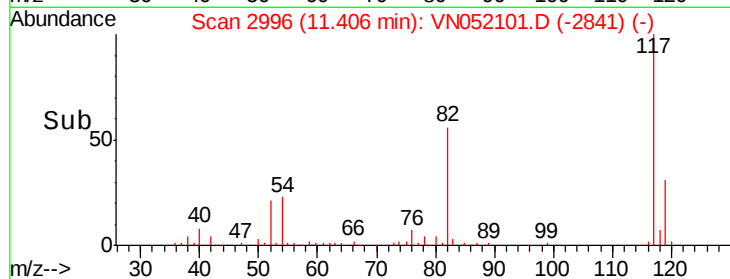
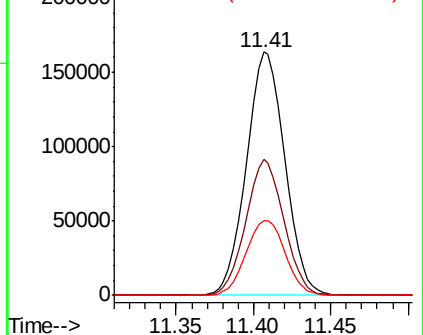
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

Instrument :
MSVOA_N
ClientSampleId :
BEL-03-SUMP-53-ST

Tgt Ion:117 Resp: 283980
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.6
119 31.4 24.2 36.4

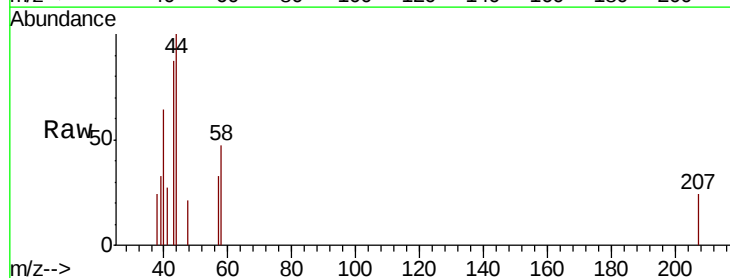


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

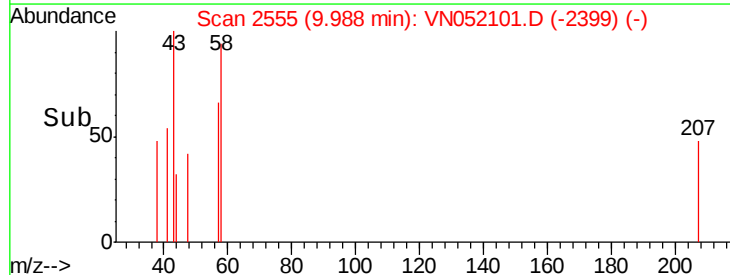
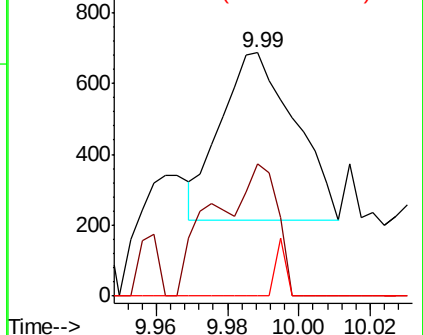


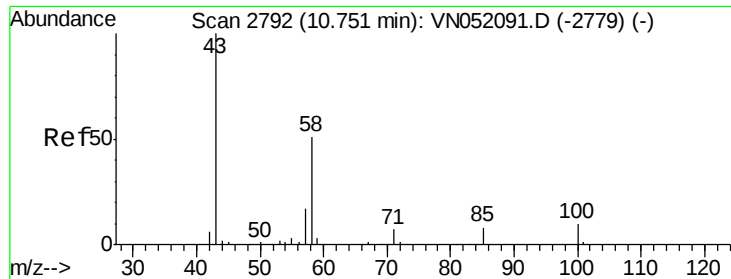
#58
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 35.3 29.0 43.6
85 0.0 13.4 20.2#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

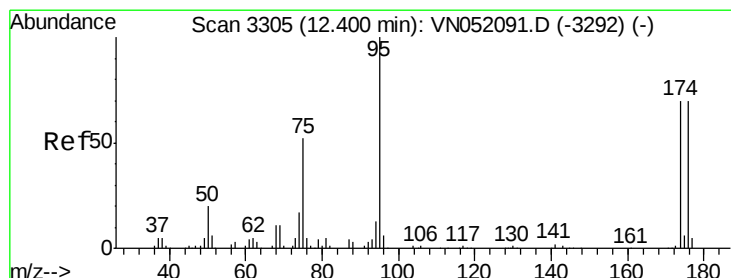
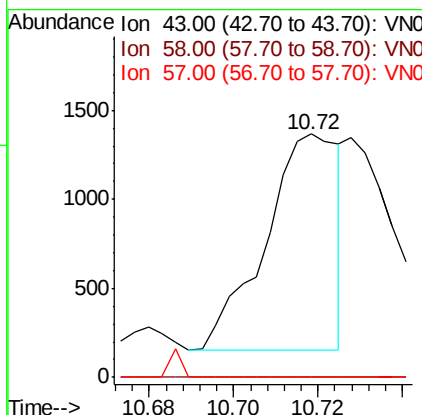
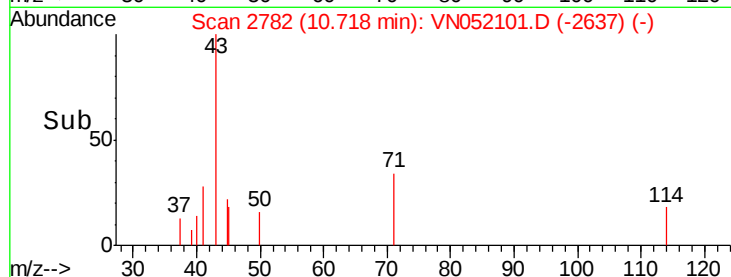
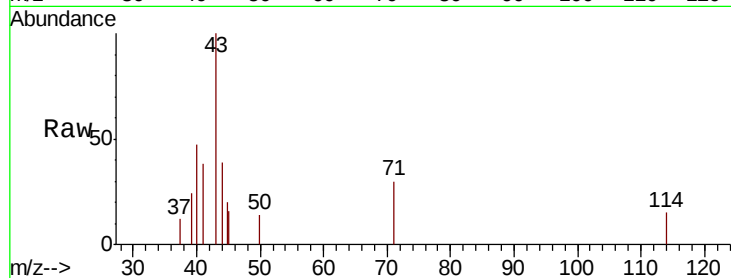




#59
2-Hexanone
Concen: 0.697 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

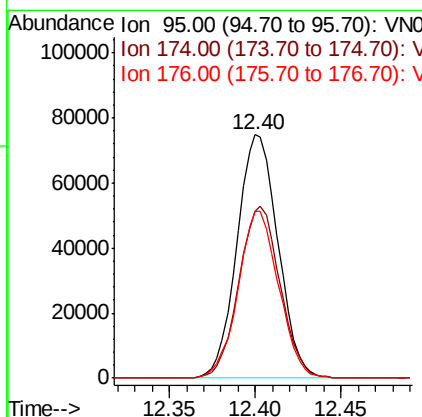
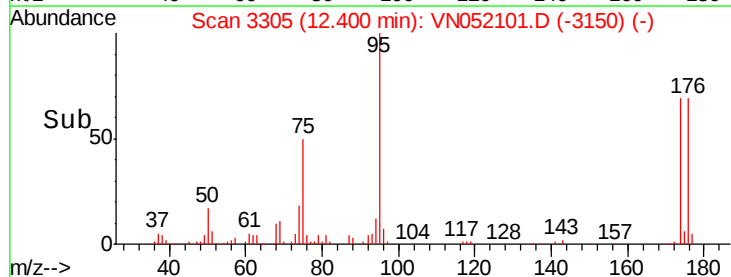
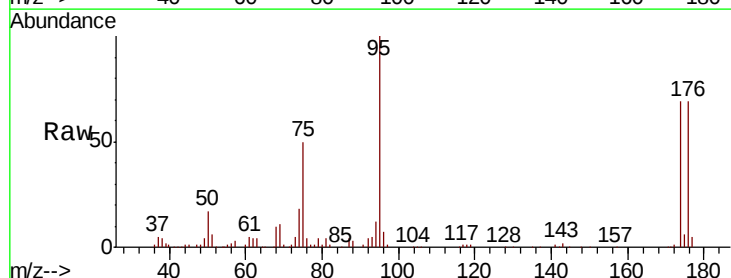
Instrument :
MSVOA_N
ClientSampleId :
BEL-03-SUMP-53-ST

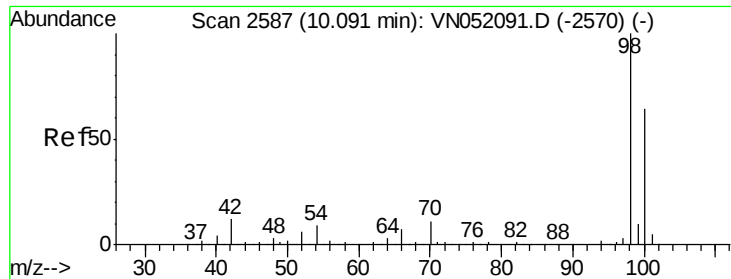
Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 0.0 13.8 20.8#



#60
4-Bromofluorobenzene
Concen: 0.697 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

Tgt Ion: 95 Resp: 124004
Ion Ratio Lower Upper
95 100
174 71.0 55.0 82.6
176 67.9 54.2 81.4





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052101.D

Acq: 1 Nov 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

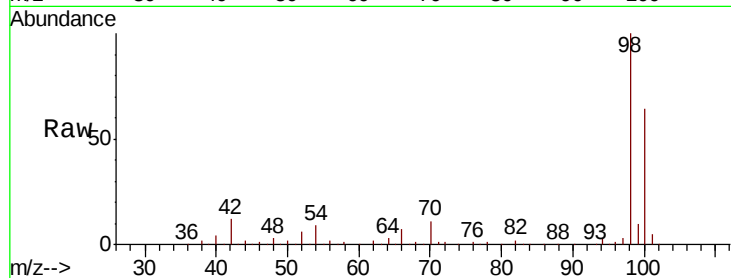
BEL-03-SUMP-53-ST

Tgt Ion: 98 Resp: 404262

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

200000

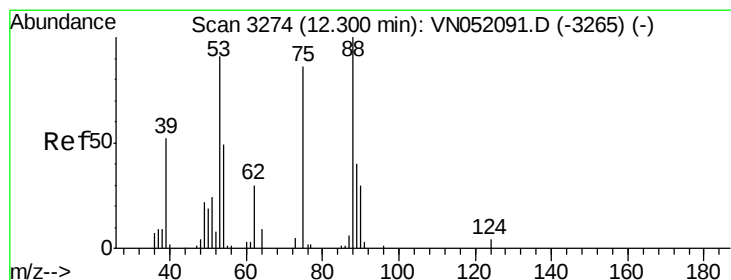
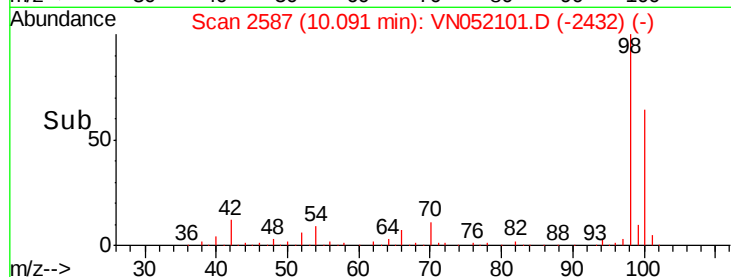
150000

100000

50000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 62.304 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052101.D

Acq: 1 Nov 2018 14:14

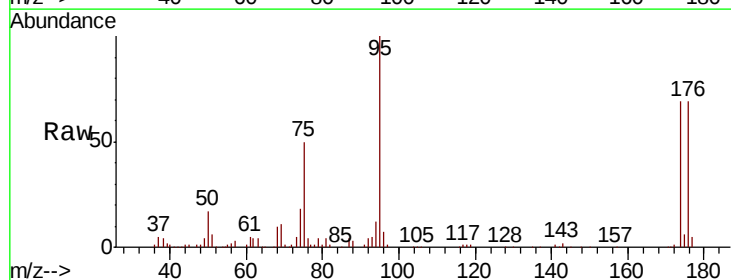
Tgt Ion: 75 Resp: 63970

Ion Ratio Lower Upper

75 100

53 0.5 50.7 152.1#

89 0.0 23.8 71.5#



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052091.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN052091.D (-3265) (-)

12.40

50000

40000

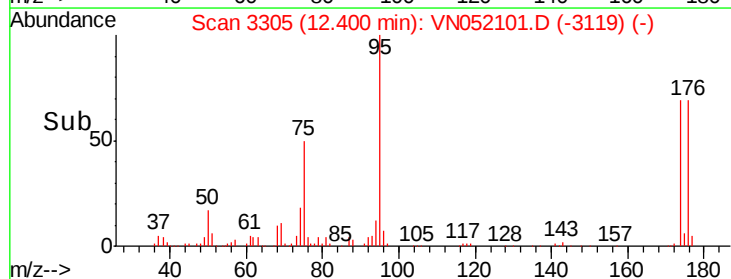
30000

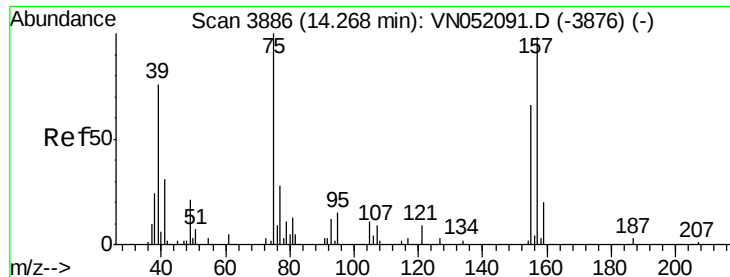
20000

10000

0

Time-->

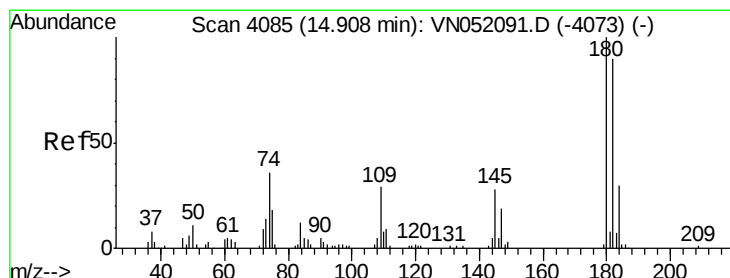
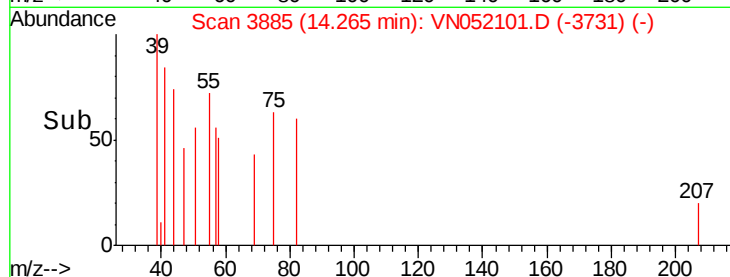
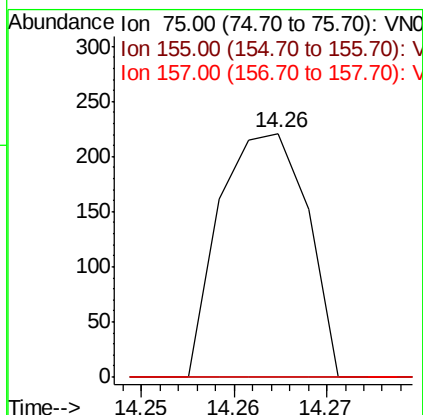
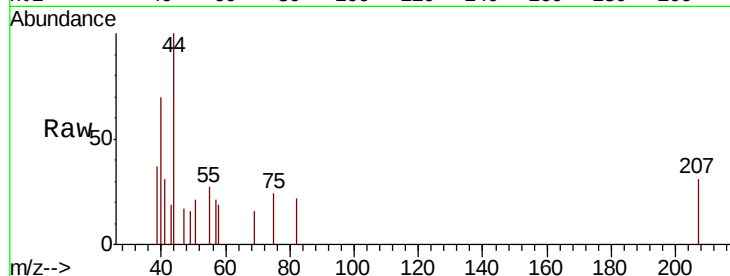




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.284 ug/l
RT: 14.26 min Scan# 3885
Delta R.T. -0.00 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

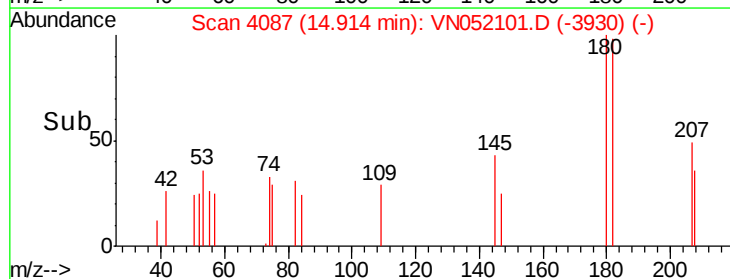
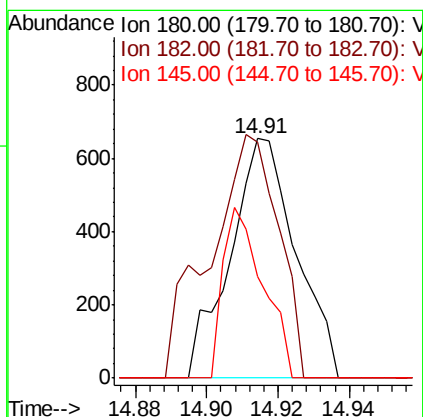
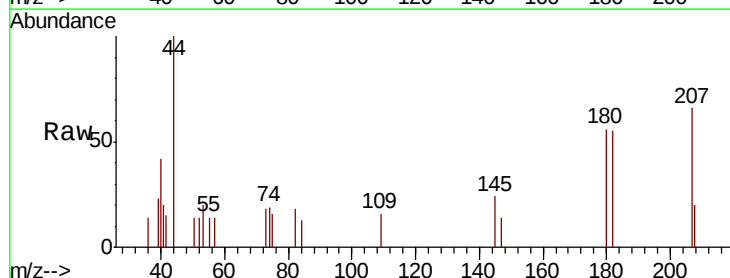
Instrument :
MSVOA_N
ClientSampleId :
BEL-03-SUMP-53-ST

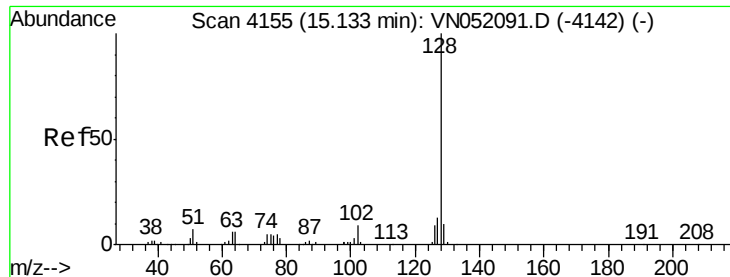
Tgt Ion: 75 Resp: 145
Ion Ratio Lower Upper
75 100
155 0.0 56.7 85.1#
157 0.0 80.4 120.6#



#89
1,2,4-Trichlorobenzene
Concen: 0.327 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN052101.D
Acq: 1 Nov 2018 14:14

Tgt Ion: 180 Resp: 838
Ion Ratio Lower Upper
180 100
182 86.3 74.0 111.0
145 43.1 24.6 36.8#





#91

Naphthalene

Concen: 0.381 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052101.D

Acq: 1 Nov 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

BEL-03-SUMP-53-ST

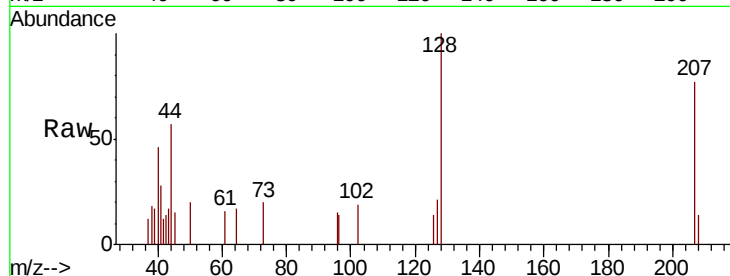
Tgt Ion:128 Resp: 2250

Ion Ratio Lower Upper

128 100

127 6.0 10.4 15.6#

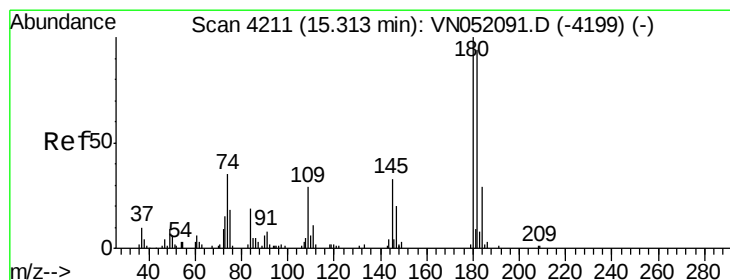
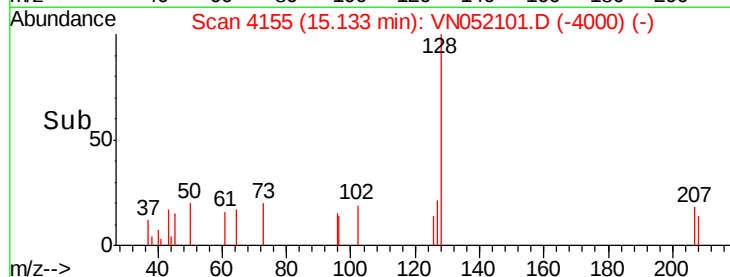
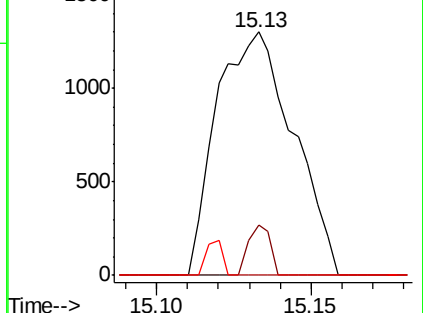
129 3.1 8.3 12.5#



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



#92

1,2,3-Trichlorobenzene

Concen: 0.301 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN052101.D

Acq: 1 Nov 2018 14:14

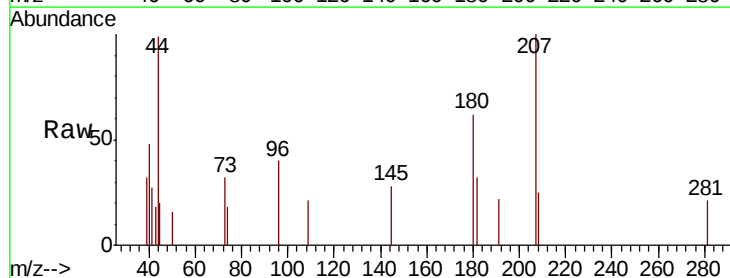
Tgt Ion:180 Resp: 673

Ion Ratio Lower Upper

180 100

182 58.5 0.0 186.6

145 35.8 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

