

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052152.D
 Acq On : 5 Nov 2018 17:40
 Operator : MD\SY
 Sample : VN1105WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBL01

Quant Time: Nov 06 05:09:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

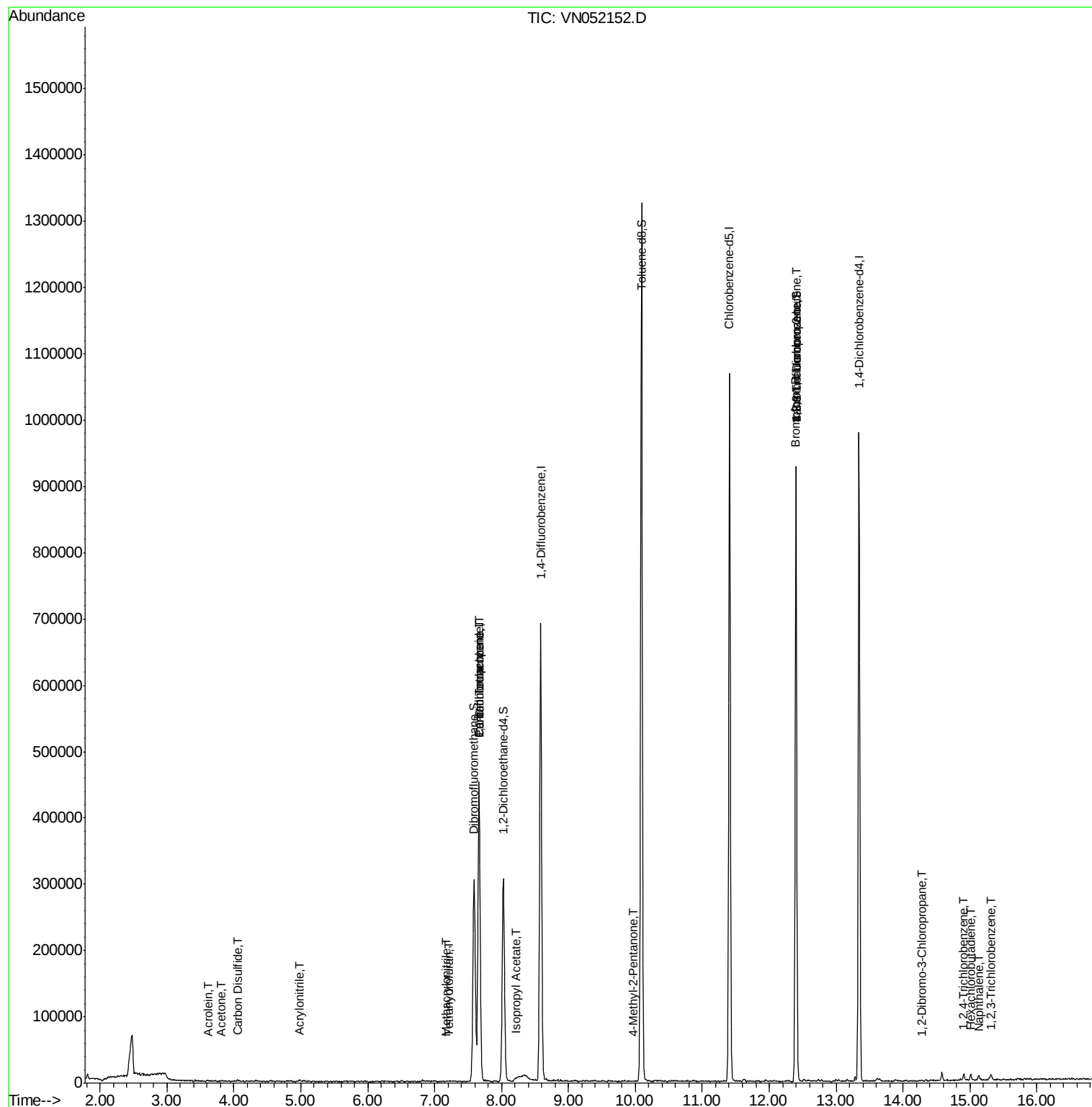
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	354510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	617301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251058	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	252693	60.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.22%	
35) Dibromofluoromethane	7.59	113	229388	59.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.70%	
50) Toluene-d8	10.09	98	914717	61.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.46%	
62) 4-Bromofluorobenzene	12.40	95	305720	62.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.70%	
Target Compounds				Qvalue		
13) Acrolein	3.62	56	143	32.674	ug/l #	41
15) Acrylonitrile	4.99	53	657	0.549	ug/l #	56
16) Acetone	3.81	43	379	0.398	ug/l #	42
17) Carbon Disulfide	4.04	76	3392	0.364	ug/l #	76
29) Tetrahydrofuran	7.21	42	251	0.275	ug/l #	36
31) Cyclohexane	7.66	56	7631	Below Cal	#	17
36) 1,1-Dichloropropene	7.67	75	27522	5.040	ug/l #	53
37) Ethyl Acetate	6.92	43	29	Below Cal	#	1
38) Carbon Tetrachloride	7.67	117	36063	6.605	ug/l #	17
41) Methacrylonitrile	7.18	41	196	1.495	ug/l #	43
43) Isopropyl Acetate	8.21	43	3221	0.517	ug/l #	54
49) 1,4-Dioxane	9.21	88	151	Below Cal	#	38
51) 4-Methyl-2-Pentanone	9.97	43	676	0.205	ug/l #	38
71) Bromoform	12.39	173	530	2.978	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	155959	39.474	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	155959	141.341	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.27	75	137	0.250	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2558	2.926	ug/l	87
94) Hexachlorobutadiene	15.00	225	1014	0.234	ug/l #	60
95) Naphthalene	15.14	128	5524	0.719	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2542	2.535	ug/l #	89

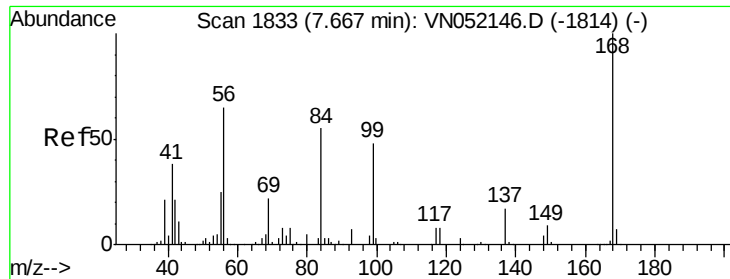
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 05:09:11 2018
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Quant Title : SW846 8260
QLast Update : Mon Nov 05 22:32:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

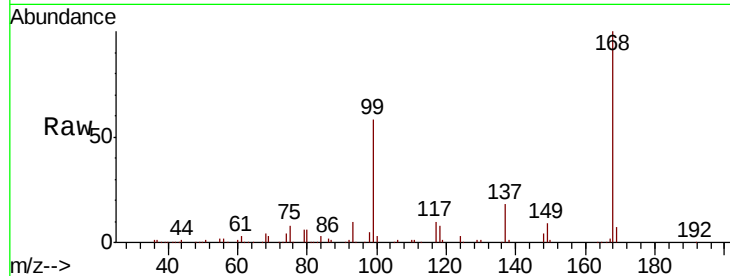
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBL01

Tot Ion:168 Resp: 354510

Ion Ratio Lower Upper

168 100

99 58.0 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

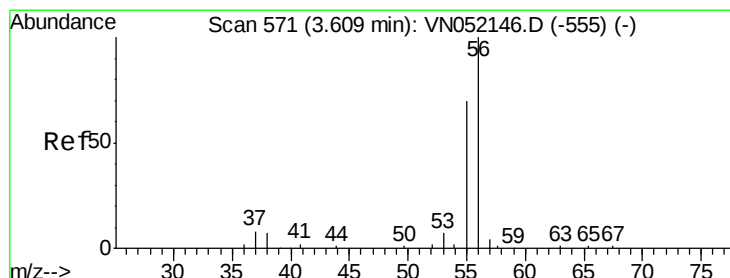
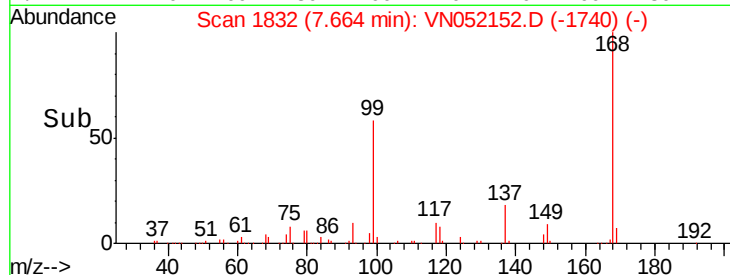
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 32.674 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052152.D

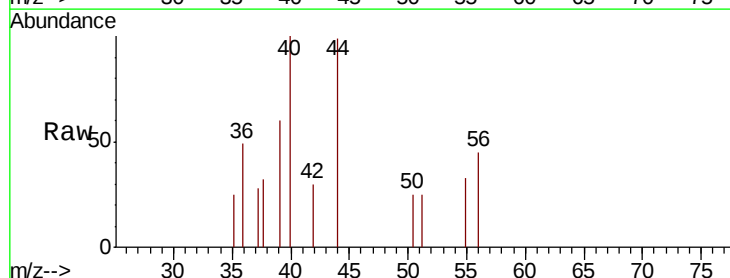
Acq: 5 Nov 2018 17:40

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 119.6 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.62

400

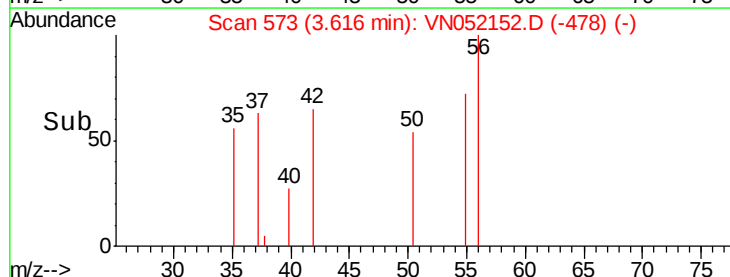
300

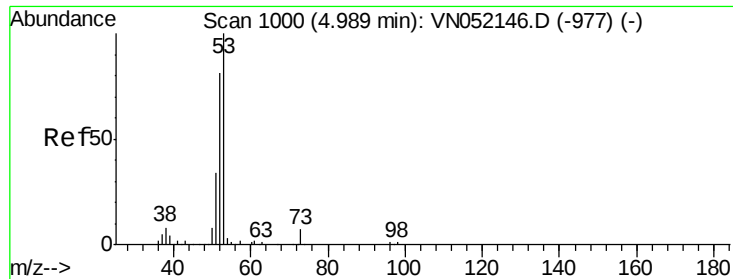
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.549 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA_N

ClientSampled :

VN1105WBL01

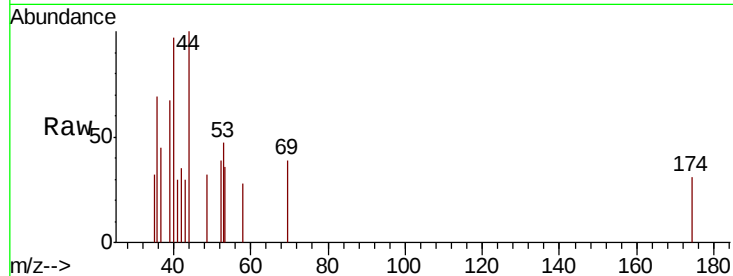
Tot Ion: 53 Resp: 657

Ion Ratio Lower Upper

53 100

52 39.0 66.5 99.7#

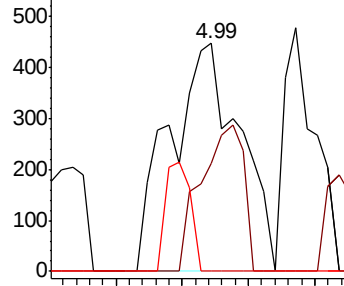
51 17.0 29.2 43.8#



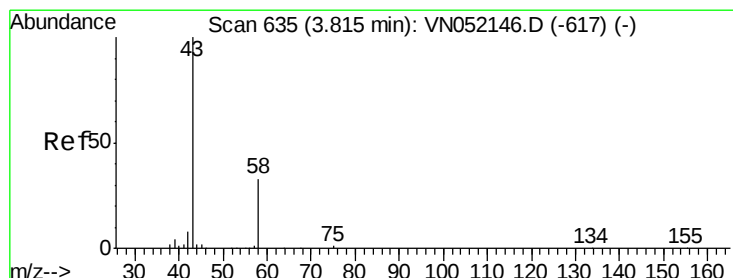
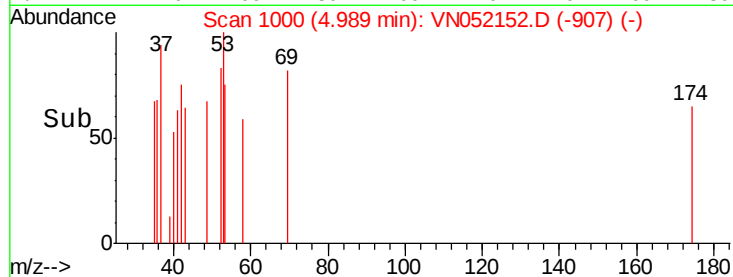
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 0.398 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052152.D

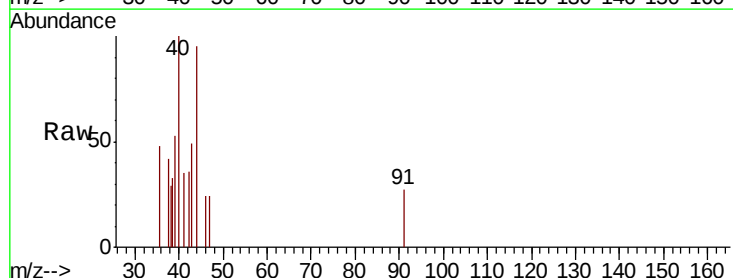
Acq: 5 Nov 2018 17:40

Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

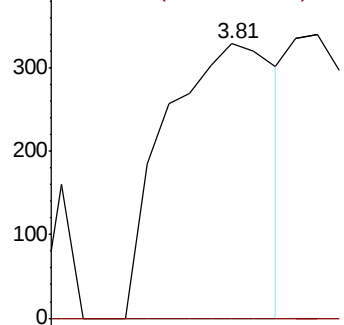
43 100

58 0.0 26.2 39.2#

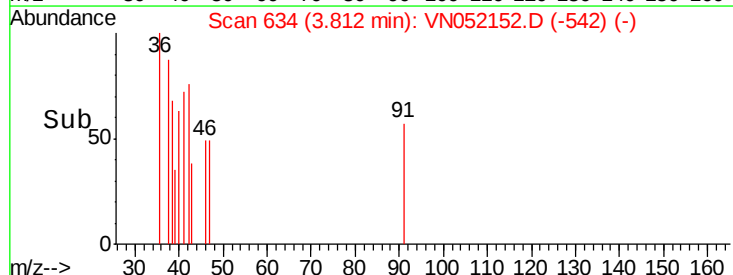


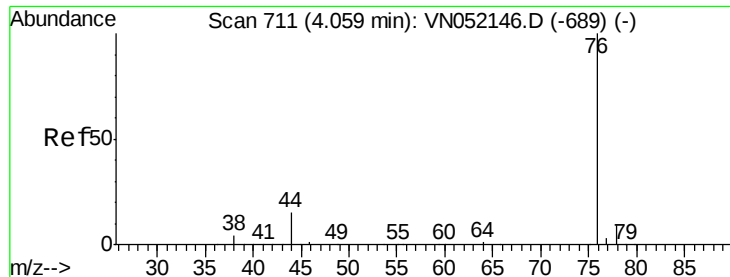
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

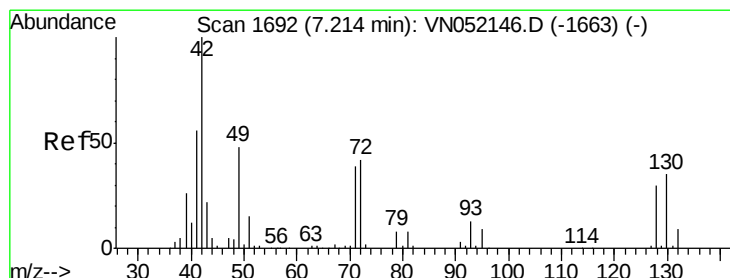
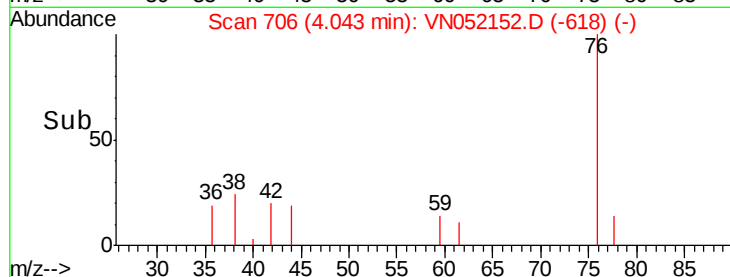
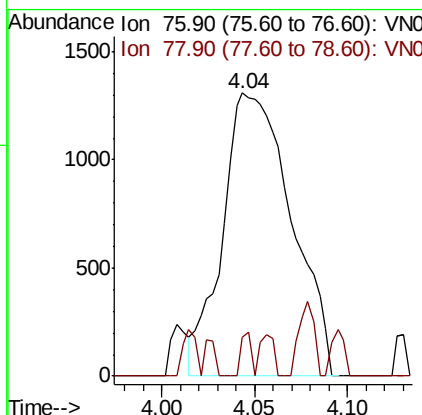
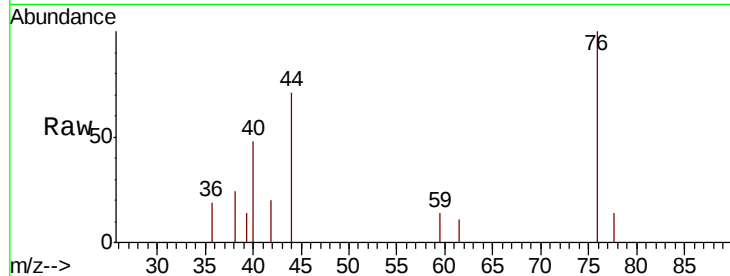




#17
Carbon Disulfide
Concen: 0.364 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.02 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

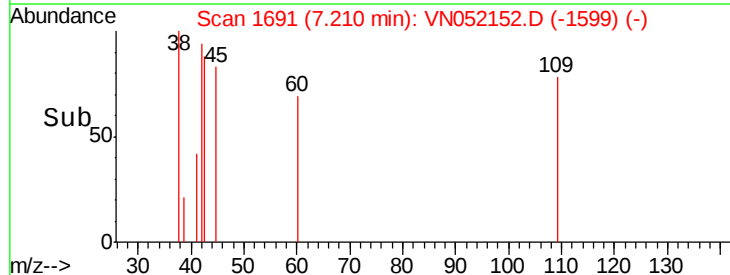
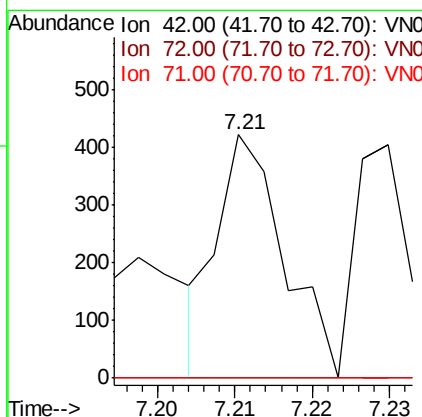
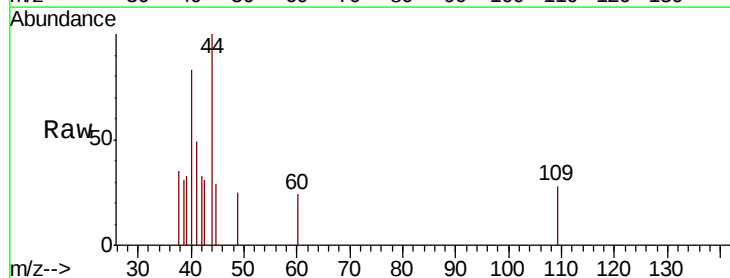
Instrument :
MSVOA_N
ClientSampled :
VN1105WBL01

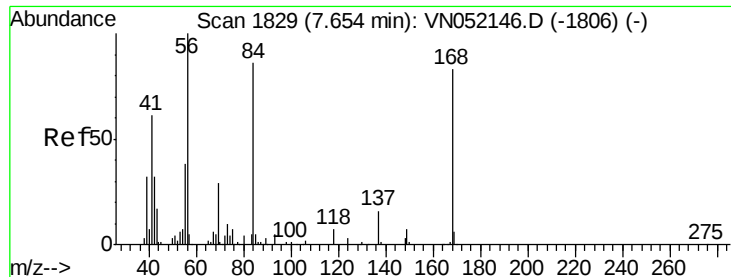
Tot Ion: 76 Resp: 3392
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#29
Tetrahydrofuran
Concen: 0.275 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

Tgt Ion: 42 Resp: 251
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 31.0 46.6#

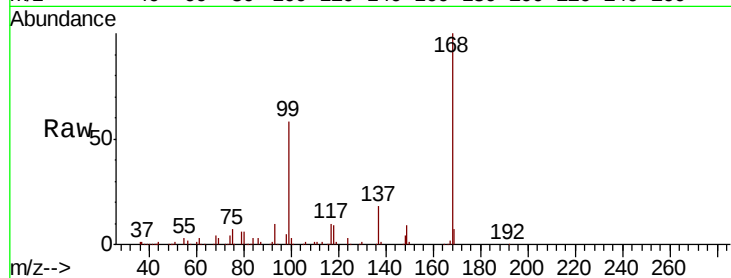




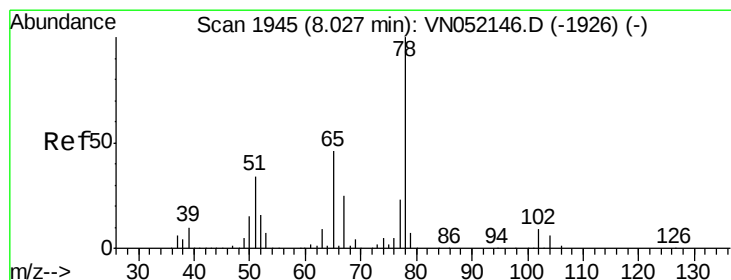
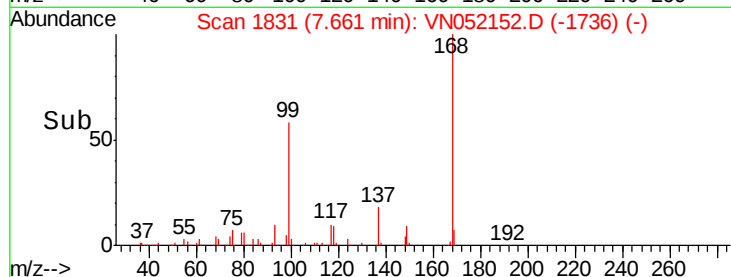
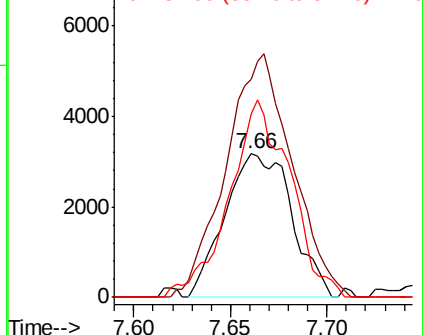
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBL01

Tot Ion: 56 Resp: 7631
Ion Ratio Lower Upper
56 100
69 142.8 23.5 35.3#
84 121.4 68.7 103.1#

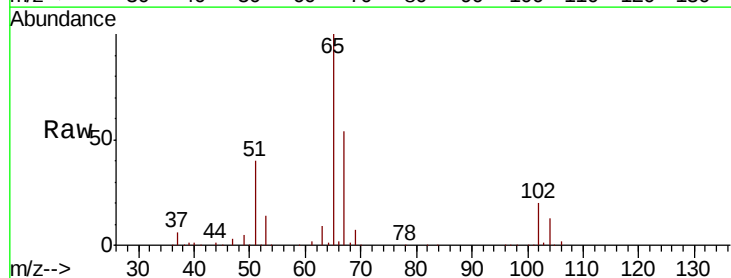


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

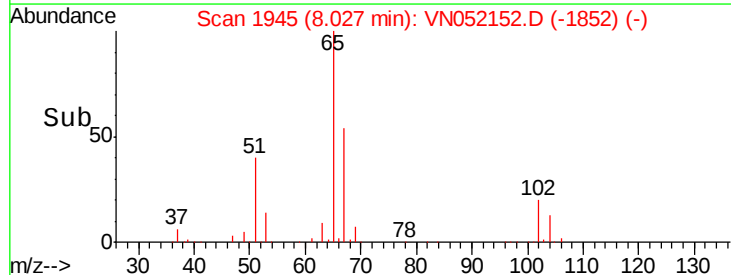
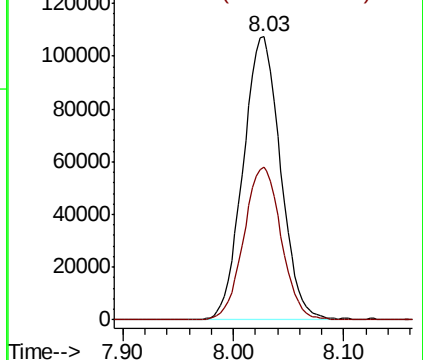


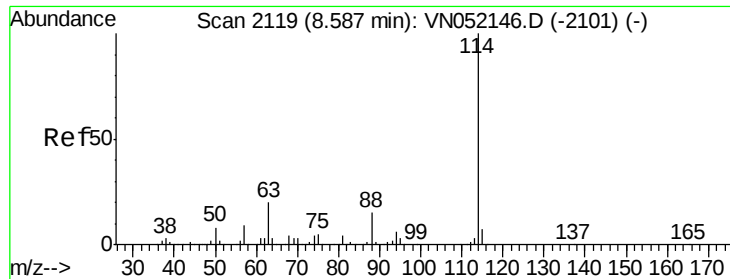
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

Tgt Ion: 65 Resp: 252693
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.6



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

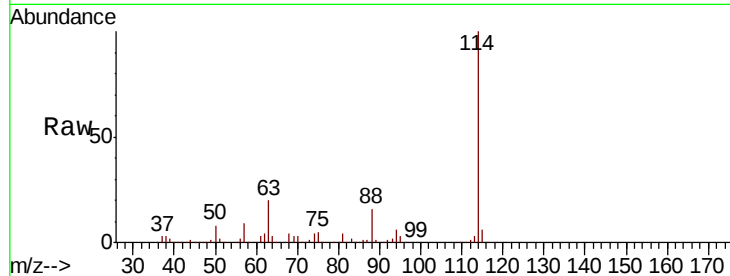




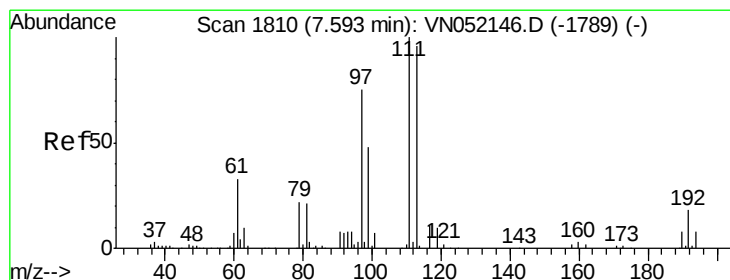
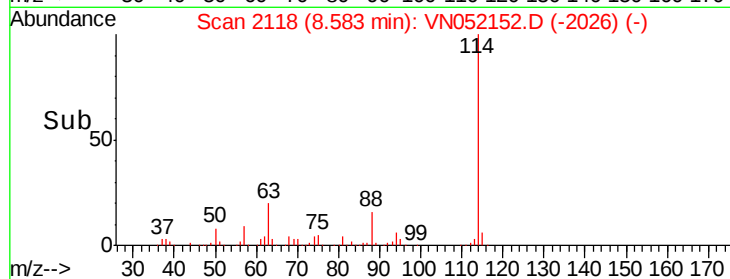
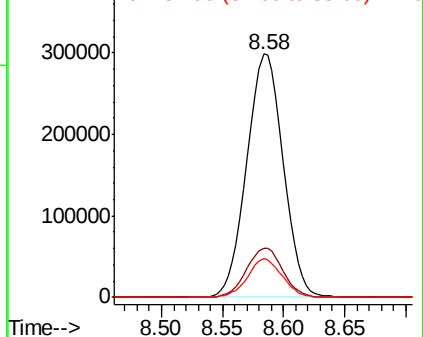
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052152.D
 Acq: 5 Nov 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBL01

Tot Ion:114 Resp: 617301
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.8 0.0 31.0

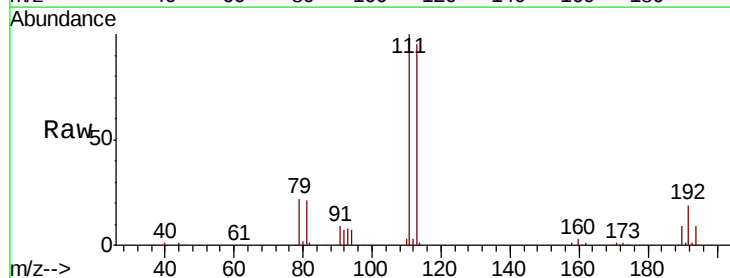


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

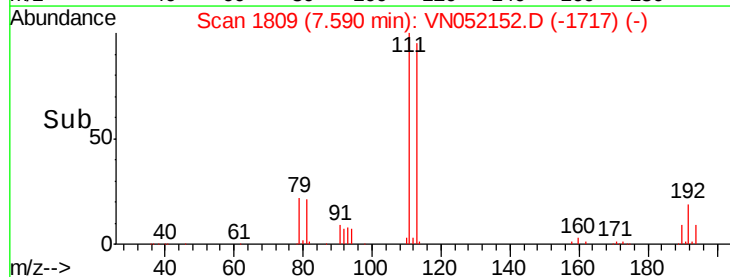
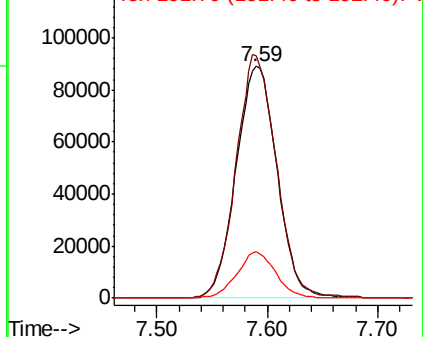


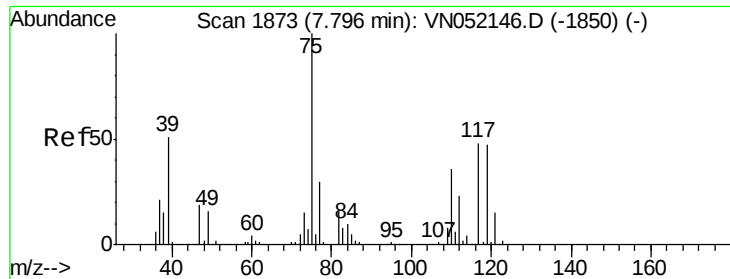
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052152.D
 Acq: 5 Nov 2018 17:40

Tgt Ion:113 Resp: 229388
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.7 122.5
 192 18.7 14.2 21.4



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

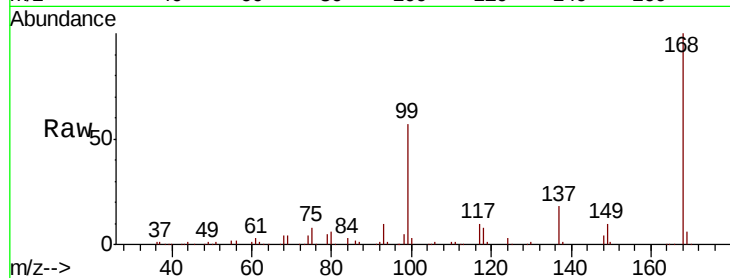




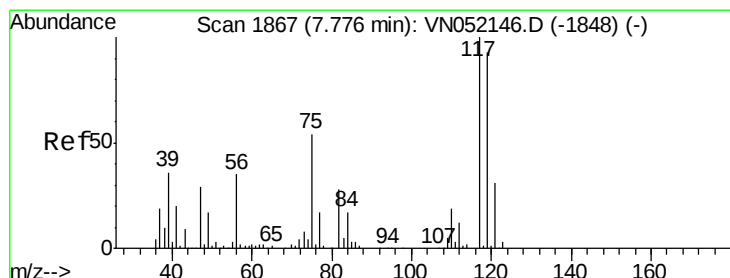
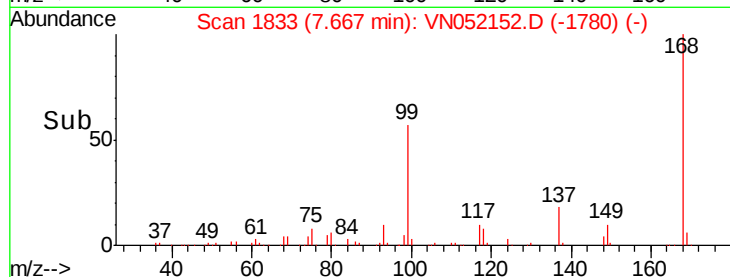
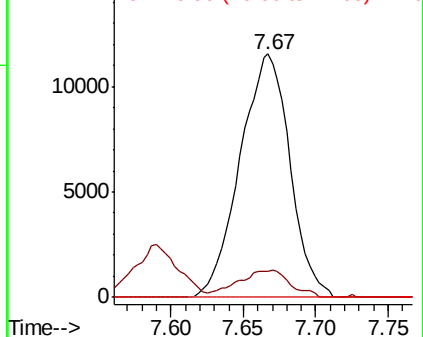
#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052152.D
 Acq: 5 Nov 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBL01

Tot Ion: 75 Resp: 27522
 Ion Ratio Lower Upper
 75 100
 110 11.8 17.8 53.5#
 77 0.0 24.0 36.0#

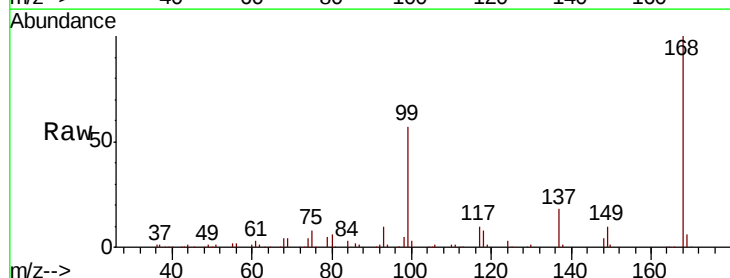


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

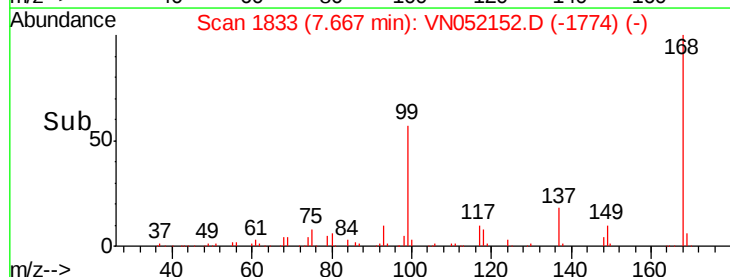
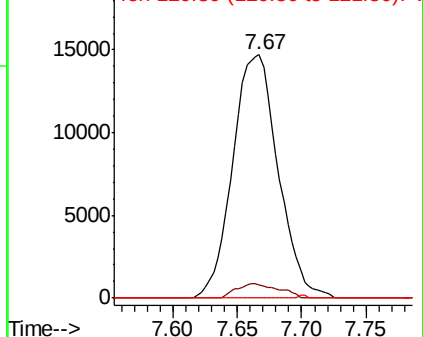


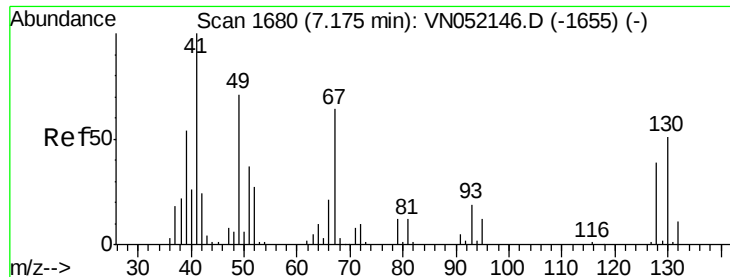
#38
 Carbon Tetrachloride
 Concen: 6.605 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052152.D
 Acq: 5 Nov 2018 17:40

Tgt Ion: 117 Resp: 36063
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.7 112.1#
 121 0.0 24.5 36.7#



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

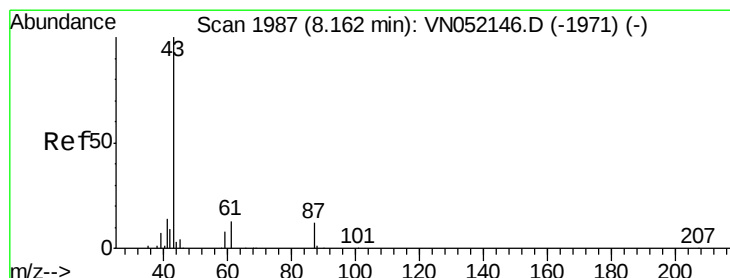
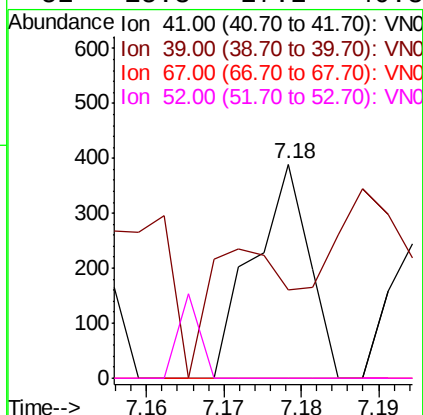
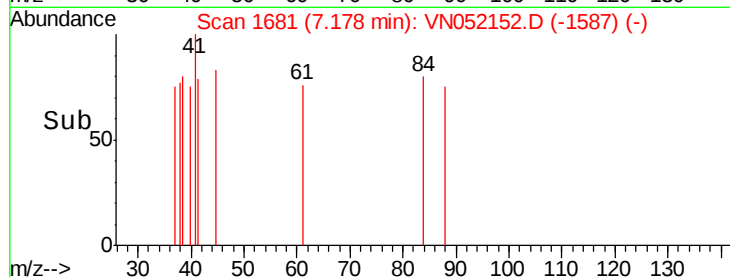
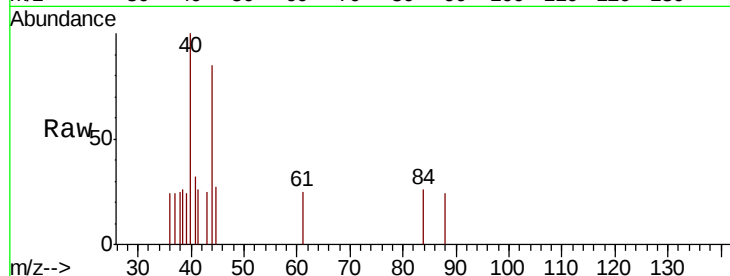




#41
Methacrylonitrile
Concen: 1.495 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

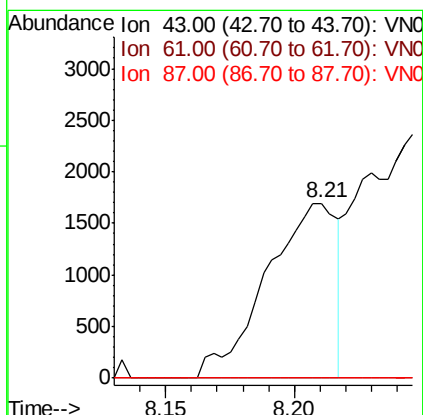
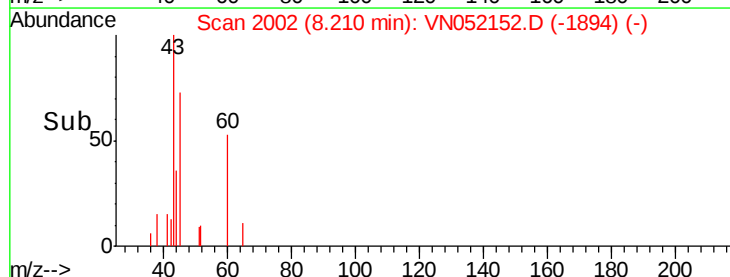
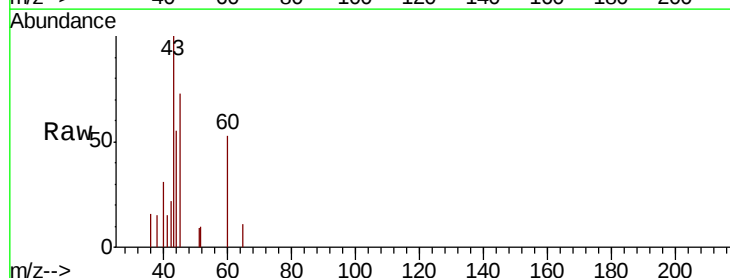
Instrument :
MSVOA_N
ClientSampled :
VN1105WBL01

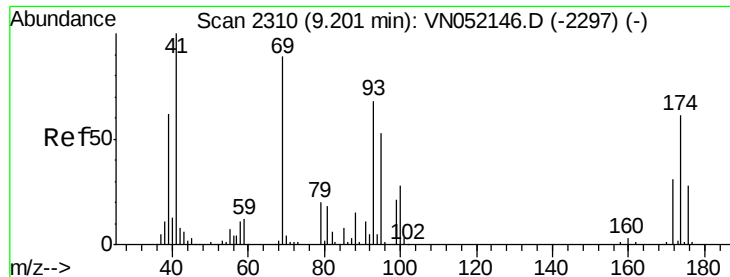
Tot Ion: 41 Resp: 196
Ion Ratio Lower Upper
41 100
39 82.1 49.6 74.4#
67 0.0 65.4 98.2#
52 15.3 27.2 40.8#



#43
Isopropyl Acetate
Concen: 0.517 ug/l
RT: 8.21 min Scan# 2002
Delta R.T. 0.05 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

Tgt Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
61 0.0 21.5 32.3#
87 0.0 10.2 15.2#

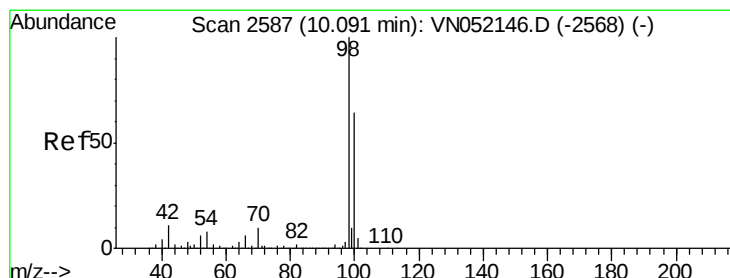
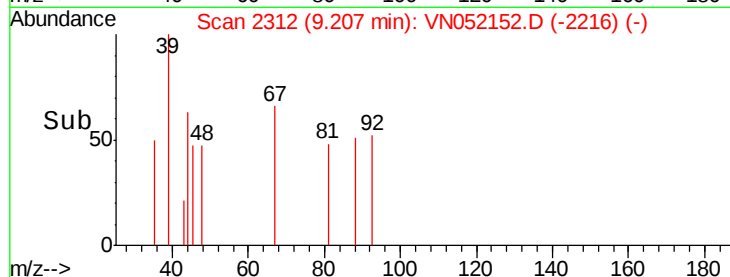
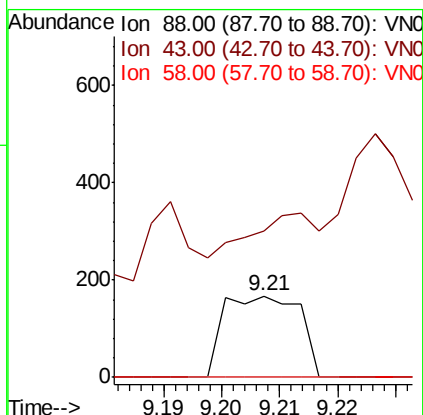
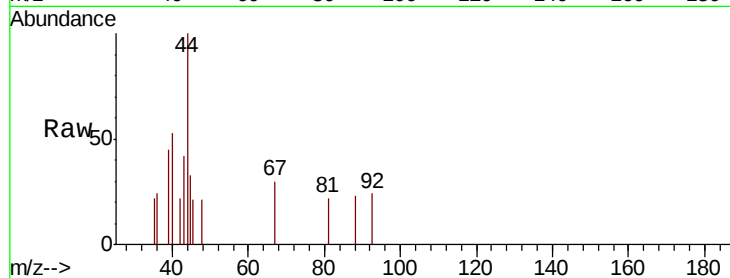




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

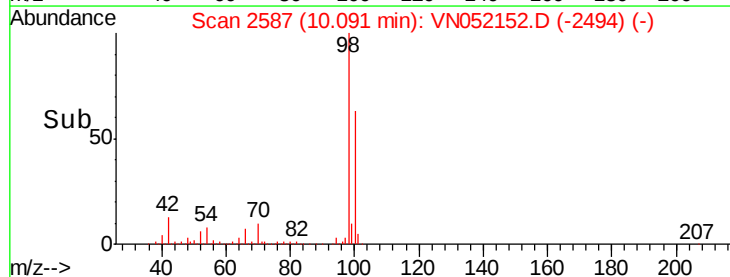
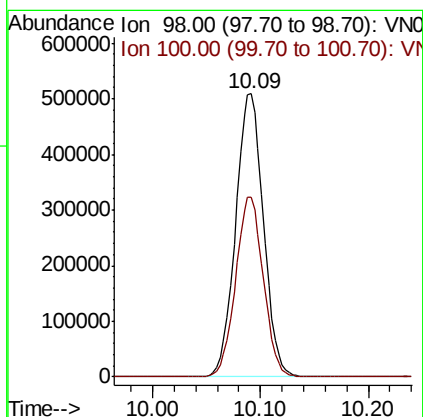
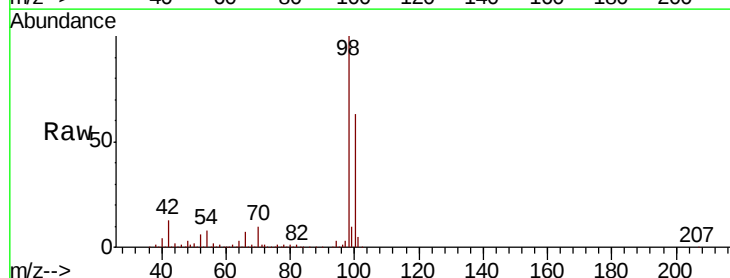
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBL01

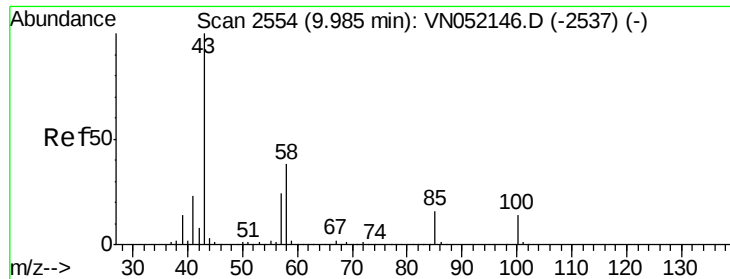
Tot Ion: 88 Resp: 151
Ion Ratio Lower Upper
88 100
43 51.7 33.0 49.6#
58 0.0 58.6 88.0#



#50
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

Tgt Ion: 98 Resp: 914717
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 0.205 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.01 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

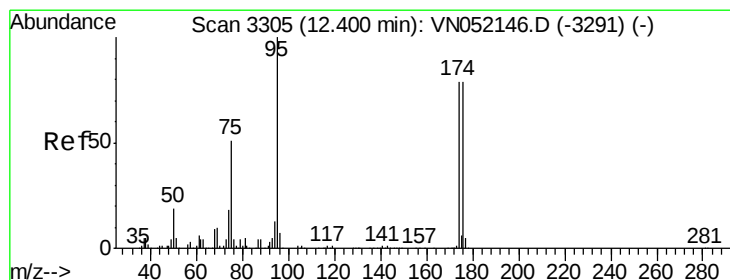
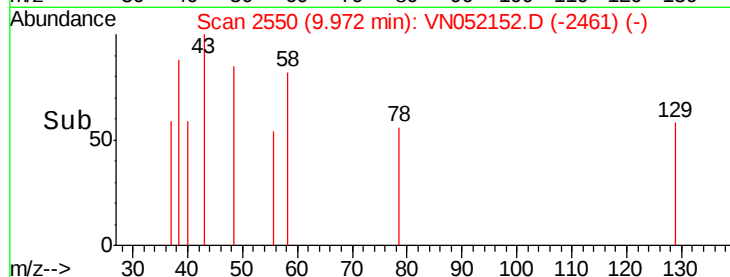
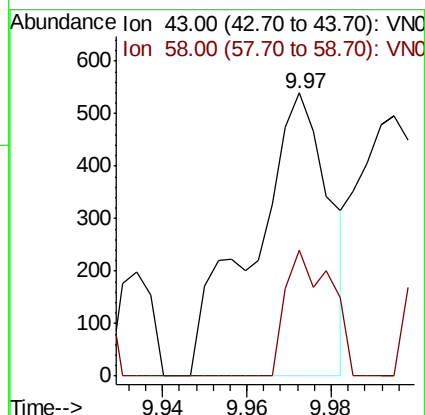
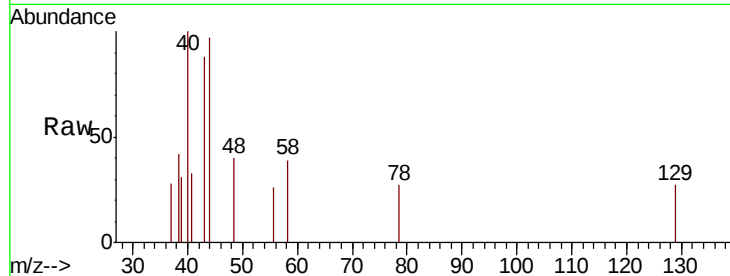
VN1105WBL01

Tot Ion: 43 Resp: 676

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

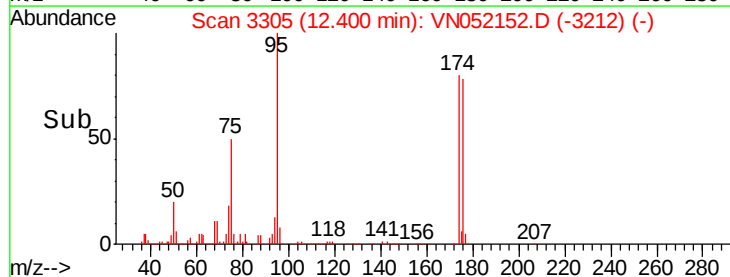
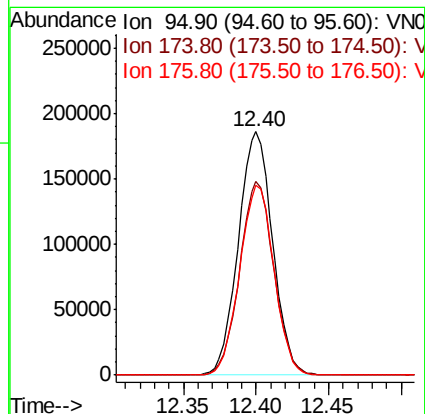
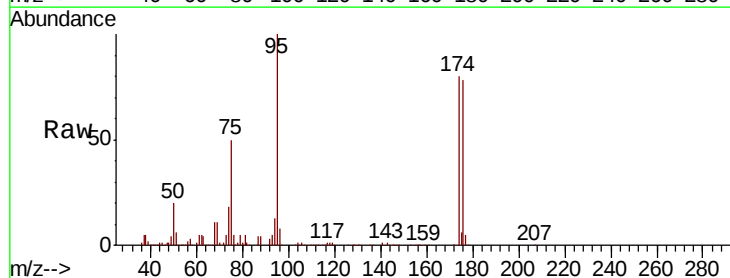
Tgt Ion: 95 Resp: 305720

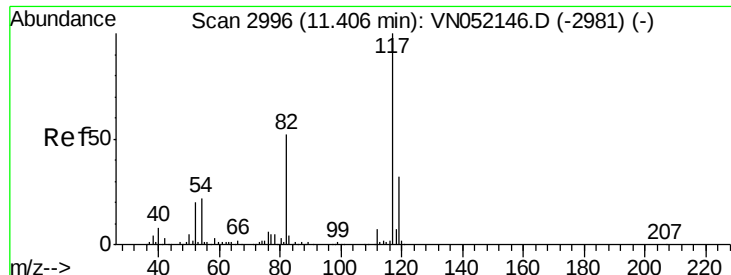
Ion Ratio Lower Upper

95 100

174 79.4 0.0 162.6

176 78.2 0.0 155.4

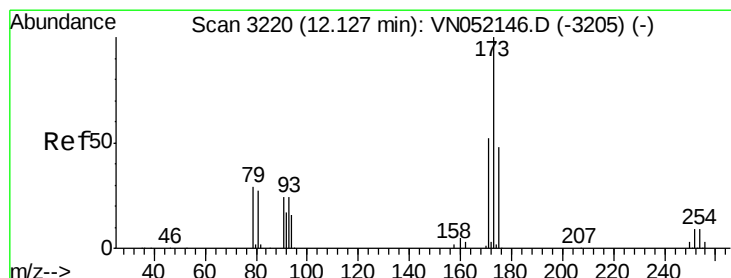
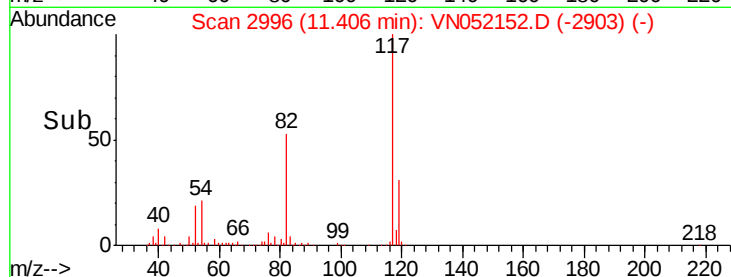
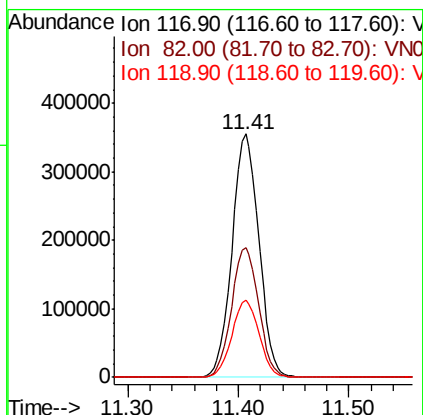
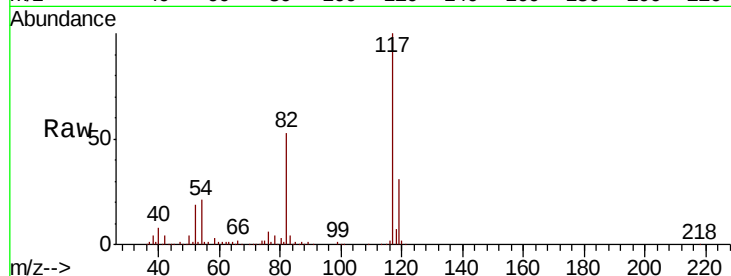




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

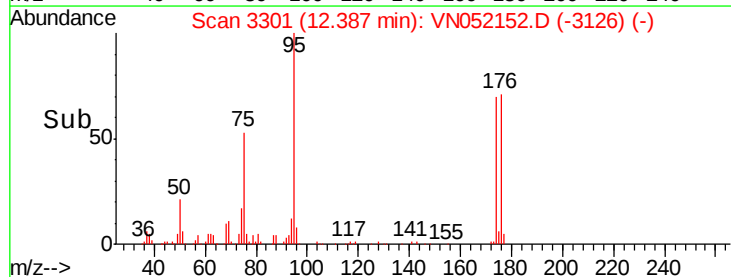
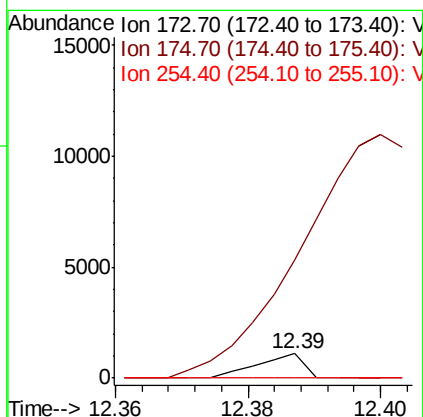
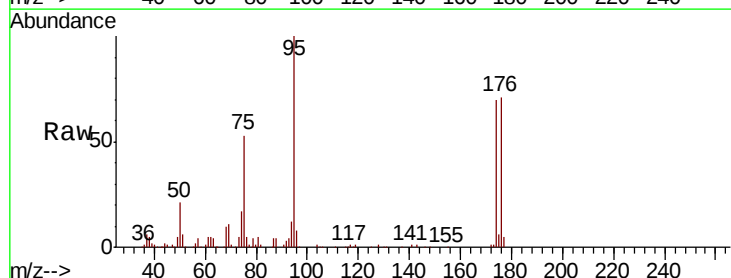
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBL01

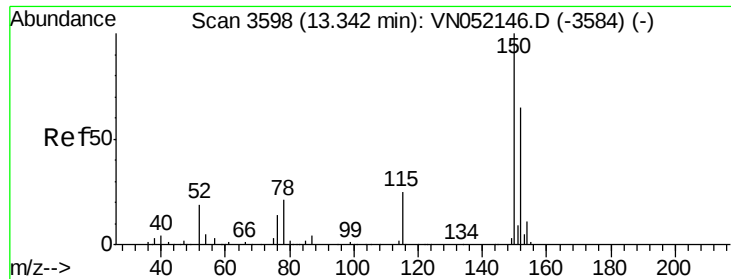
Tot Ion:117 Resp: 600227
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 31.5 25.7 38.5



#71
Bromoform
Concen: 2.978 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN052152.D
Acq: 5 Nov 2018 17:40

Tgt Ion:173 Resp: 530
Ion Ratio Lower Upper
173 100
175 3093.8 24.8 74.4#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBL01

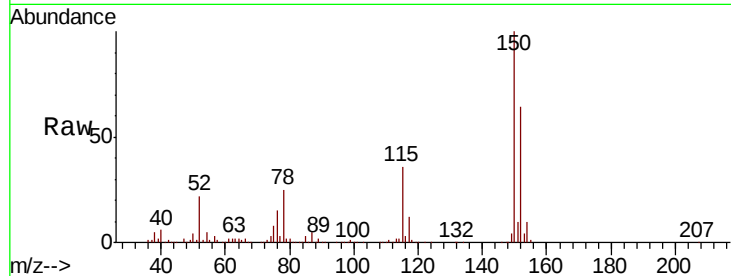
Tot Ion:152 Resp: 251058

Ion Ratio Lower Upper

152 100

115 58.7 28.5 85.5

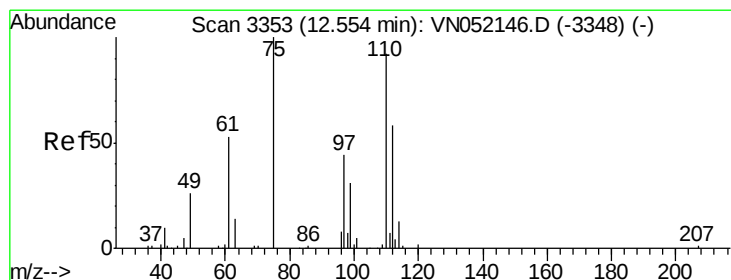
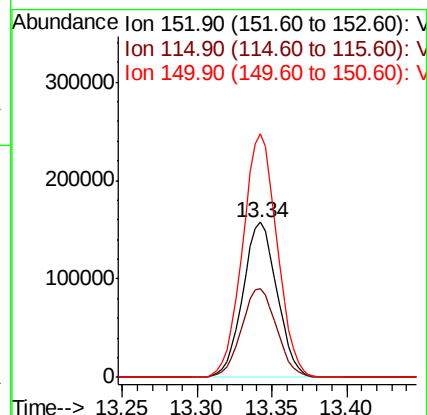
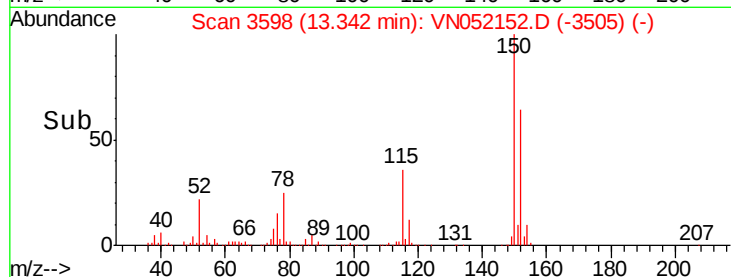
150 158.2 0.0 348.6



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



#76

1,2,3-Trichloropropane

Concen: 39.474 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052152.D

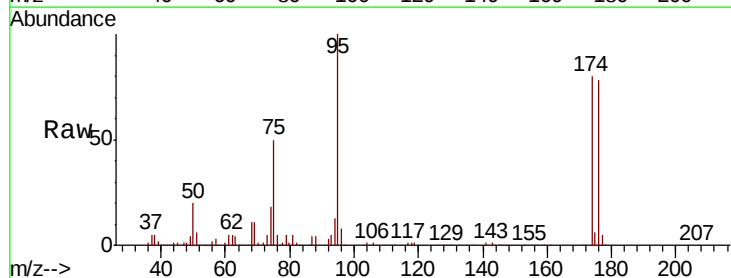
Acq: 5 Nov 2018 17:40

Tgt Ion: 75 Resp: 155959

Ion Ratio Lower Upper

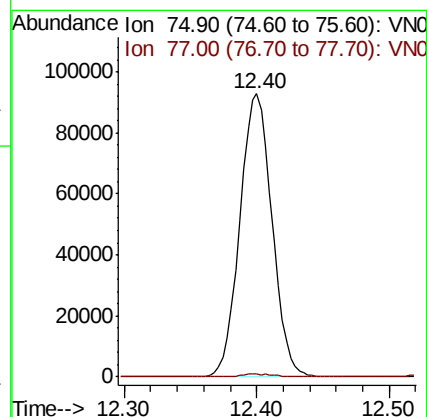
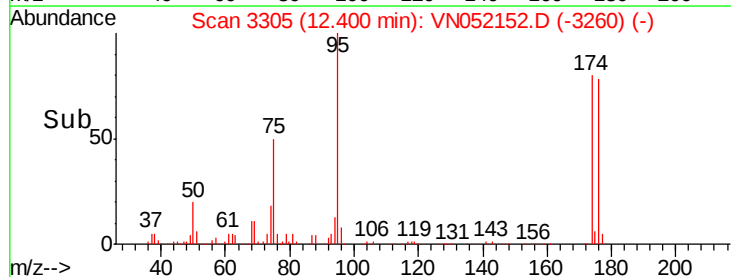
75 100

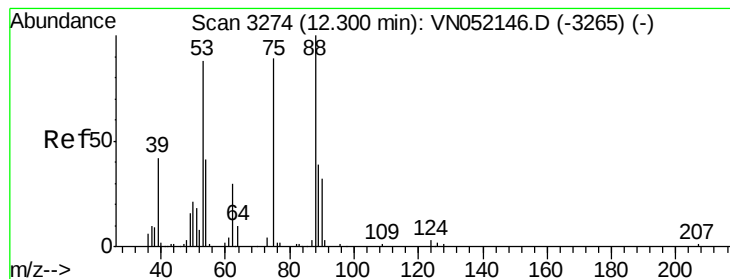
77 1.1 0.0 0.0#



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: 141.341 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBL01

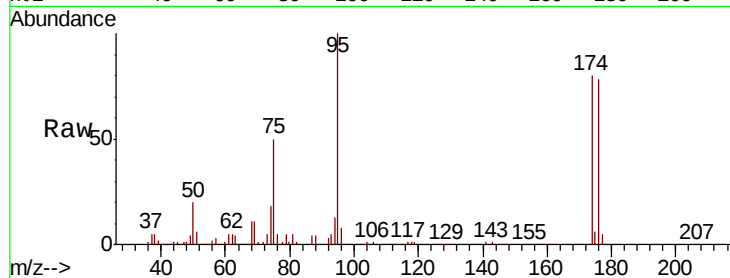
Tot Ion: 75 Resp: 155959

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

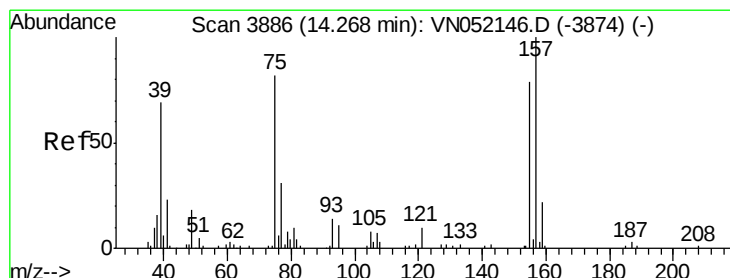
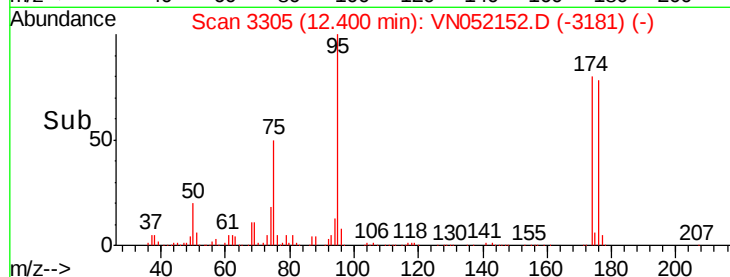
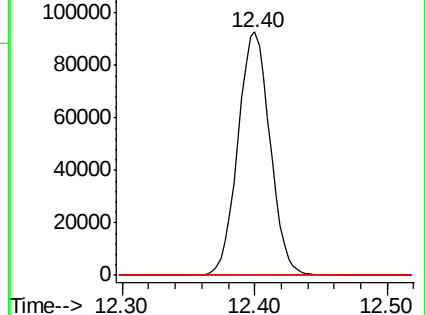
89 0.0 35.8 53.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.250 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

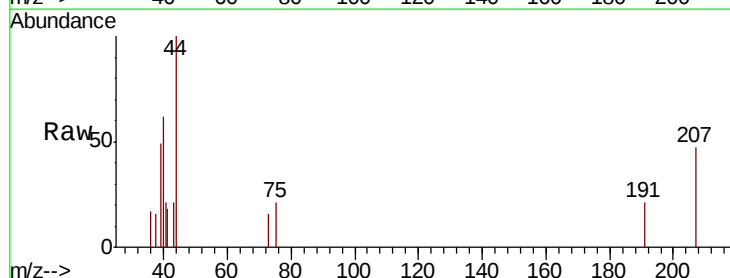
Tgt Ion: 75 Resp: 137

Ion Ratio Lower Upper

75 100

155 0.0 47.4 142.2#

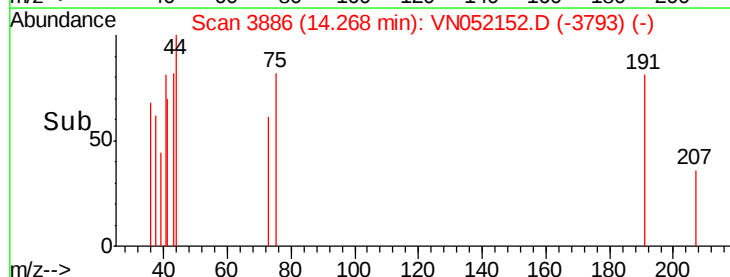
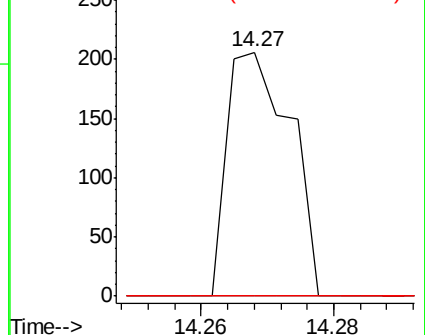
157 0.0 60.3 180.8#

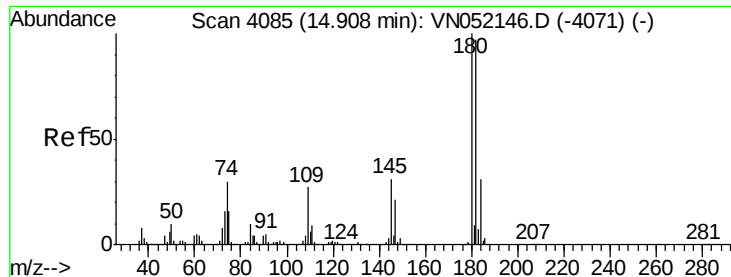


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

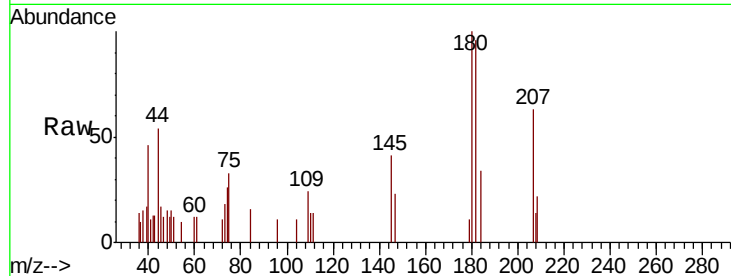




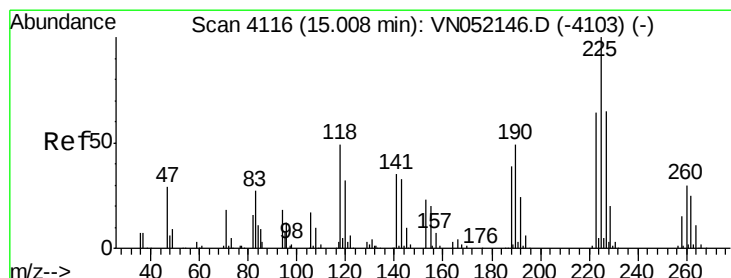
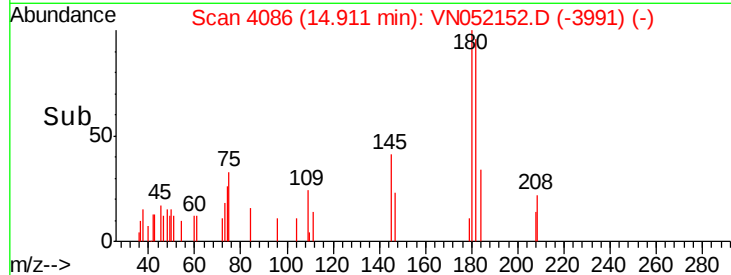
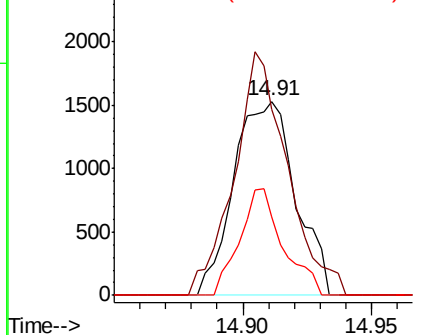
#93
 1,2,4-Trichlorobenzene
 Concen: 2.926 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052152.D
 Acq: 5 Nov 2018 17:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1105WBL01

Tot Ion:180 Resp: 2558
 Ion Ratio Lower Upper
 180 100
 182 108.0 48.1 144.4
 145 38.5 15.3 45.9

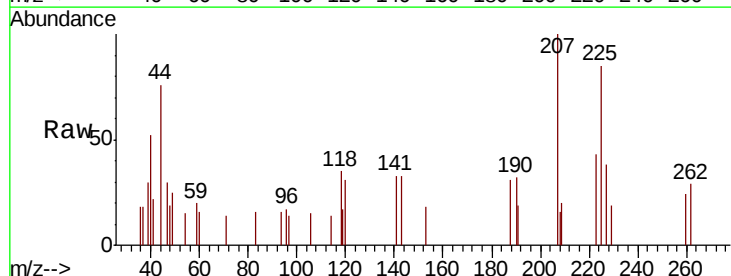


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

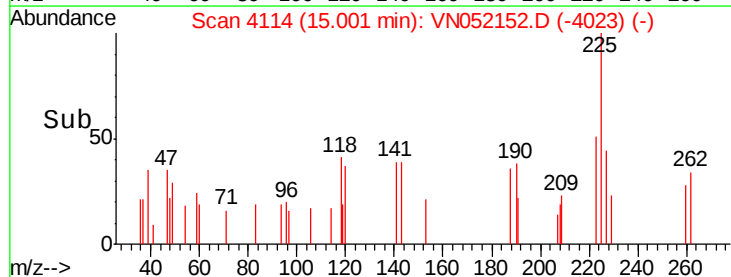
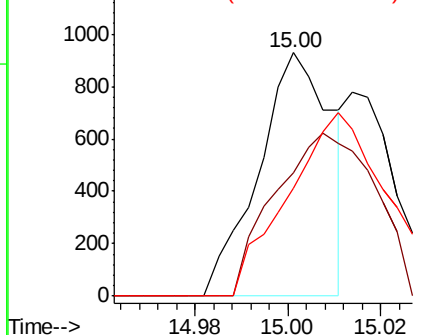


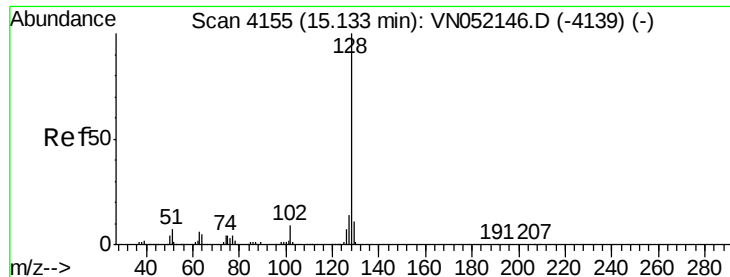
#94
 Hexachlorobutadiene
 Concen: 0.234 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN052152.D
 Acq: 5 Nov 2018 17:40

Tgt Ion:225 Resp: 1014
 Ion Ratio Lower Upper
 225 100
 223 92.5 32.3 96.8
 227 97.8 31.6 94.8#



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





#95

Naphthalene

Concen: 0.719 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBL01

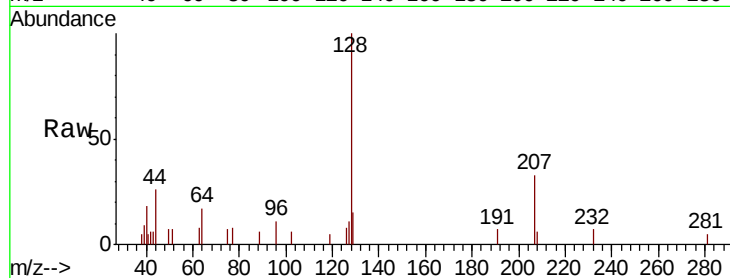
Tot Ion:128 Resp: 5524

Ion Ratio Lower Upper

128 100

127 11.9 10.8 16.2

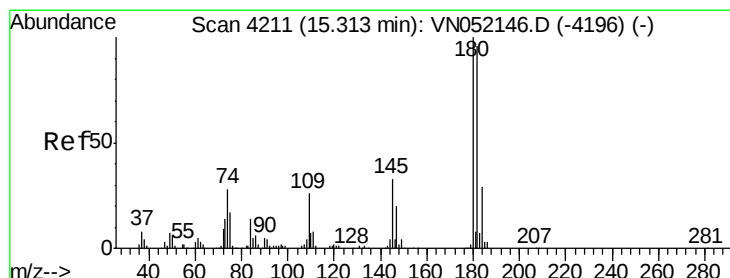
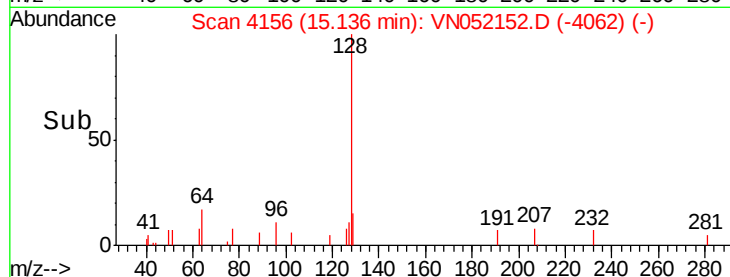
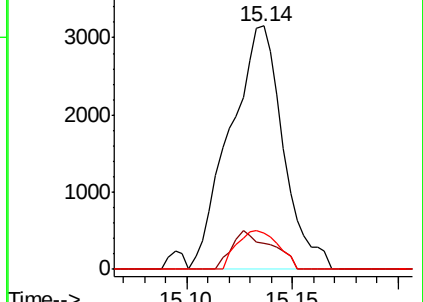
129 12.5 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.535 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052152.D

Acq: 5 Nov 2018 17:40

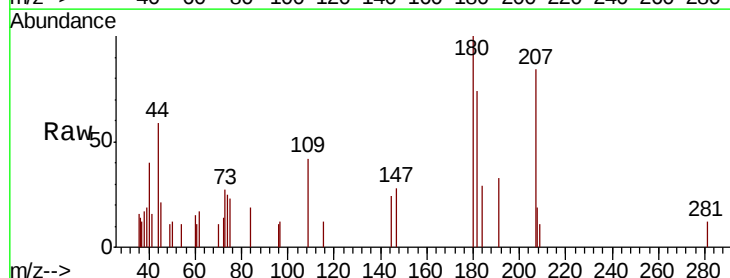
Tgt Ion:180 Resp: 2542

Ion Ratio Lower Upper

180 100

182 89.8 46.6 139.7

145 15.2 16.7 50.0#



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

