

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052161.D
 Acq On : 5 Nov 2018 21:40
 Operator : MD\SY
 Sample : J5812-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP3-A

Quant Time: Nov 06 05:17:19 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

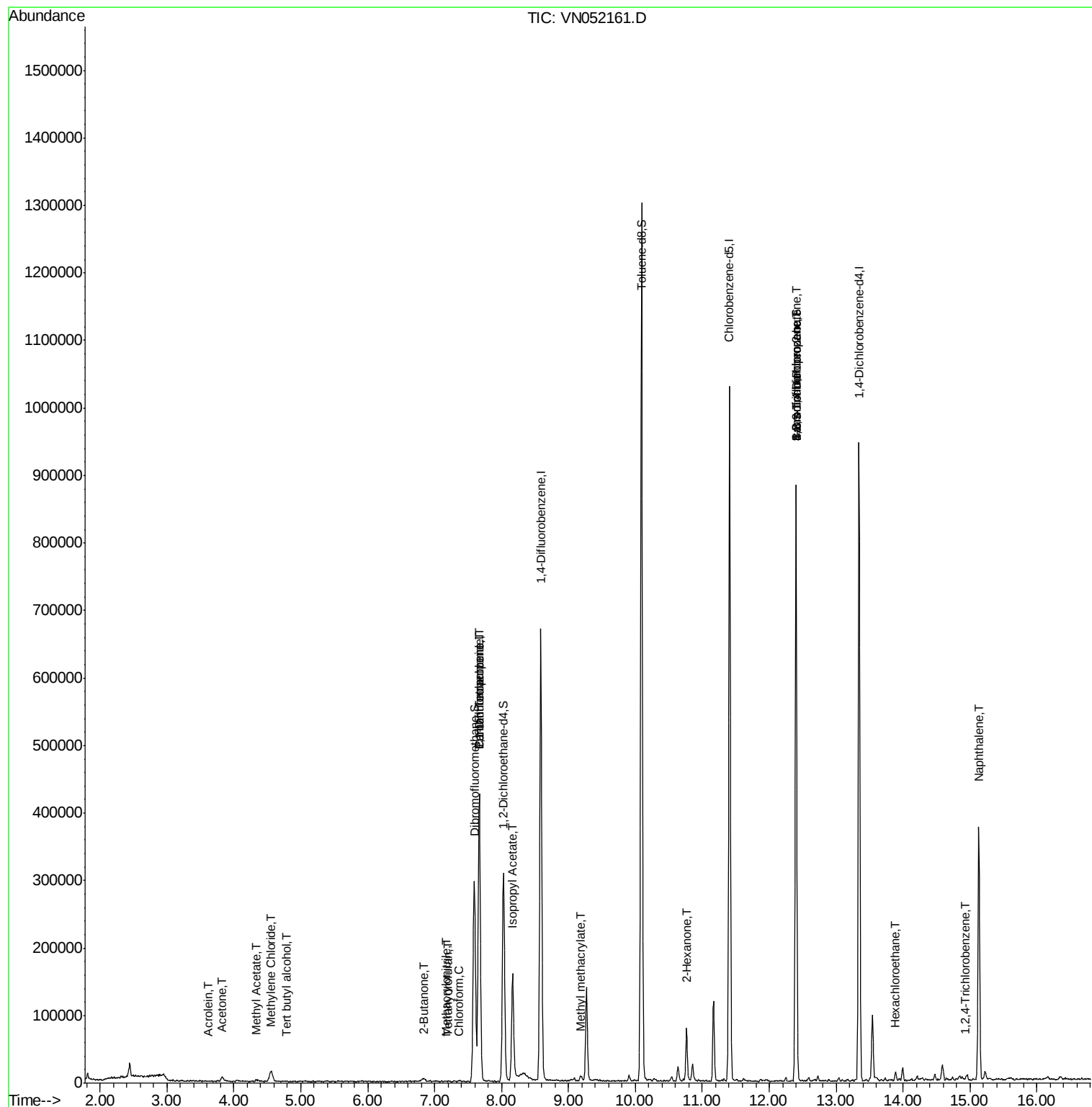
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	332171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	601015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	238861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	256844	65.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.42%	
35) Dibromofluoromethane	7.59	113	226248	60.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.26%	
50) Toluene-d8	10.09	98	888030	61.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.10%	
62) 4-Bromofluorobenzene	12.40	95	299092	63.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.32%	
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.80	59	75	0.438	ug/l #	79
13) Acrolein	3.61	56	109	32.547	ug/l #	41
16) Acetone	3.82	43	10298	11.540	ug/l	99
18) Methyl Acetate	4.33	43	4661	1.644	ug/l #	72
20) Methylene Chloride	4.55	84	6580	1.775	ug/l	98
25) 2-Butanone	6.85	43	3417	2.469	ug/l #	83
29) Tetrahydrofuran	7.21	42	239	0.279	ug/l #	58
30) Chloroform	7.38	83	1669	0.263	ug/l	98
31) Cyclohexane	7.67	56	8734	Below Cal	#	25
36) 1,1-Dichloropropene	7.67	75	28695	5.397	ug/l #	50
38) Carbon Tetrachloride	7.67	117	35736	6.723	ug/l #	16
41) Methacrylonitrile	7.17	41	94	1.444	ug/l #	1
43) Isopropyl Acetate	8.17	43	197134	32.496	ug/l #	88
48) Methyl methacrylate	9.18	41	5903	2.022	ug/l #	14
49) 1,4-Dioxane	9.26	88	29	Below Cal	#	1
59) 2-Hexanone	10.77	43	11420	5.119	ug/l #	58
71) Bromoform	12.40	173	3995	4.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	152058	40.451	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	152058	144.843	ug/l #	10
90) Hexachloroethane	13.88	117	858	0.347	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	114	2.269	ug/l #	1
95) Naphthalene	15.13	128	314432	42.988	ug/l	98

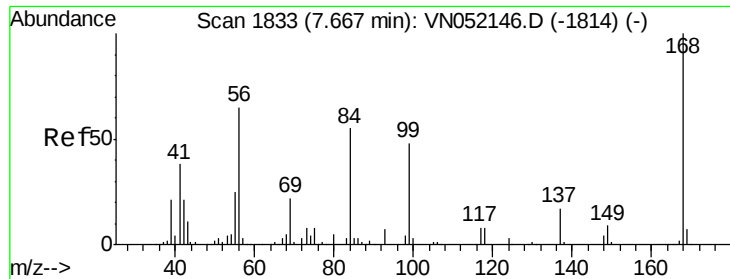
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110518\
Data File : VN052161.D
Acq On : 5 Nov 2018 21:40
Operator : MD\SY
Sample : J5812-20
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
TP3-A

Quant Time: Nov 06 05:17:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Instrument :

MSVOA_N

ClientSampled :

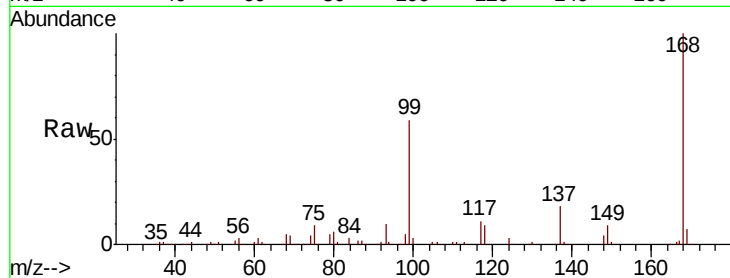
TP3-A

Tot Ion:168 Resp: 332171

Ion Ratio Lower Upper

168 100

99 58.9 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

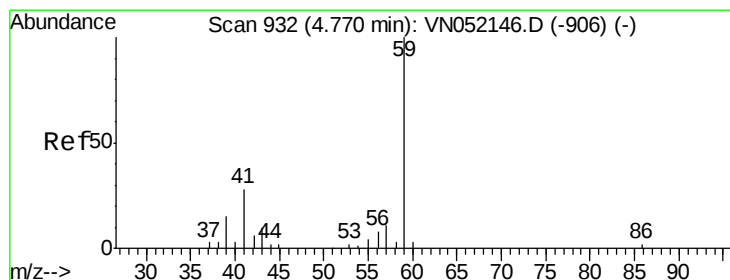
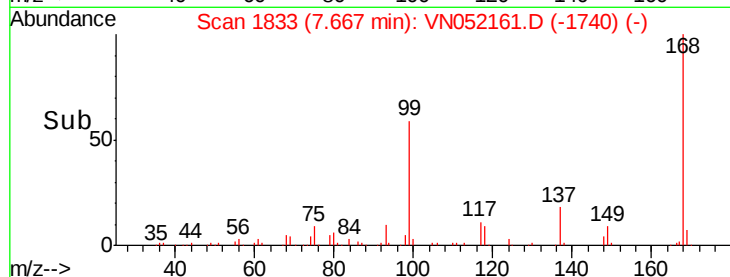
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.438 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.03 min

Lab File: VN052161.D

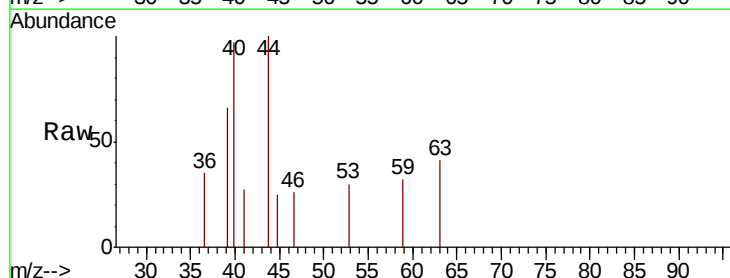
Acq: 5 Nov 2018 21:40

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

59 100

57 0.0 5.7 8.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.80

200

150

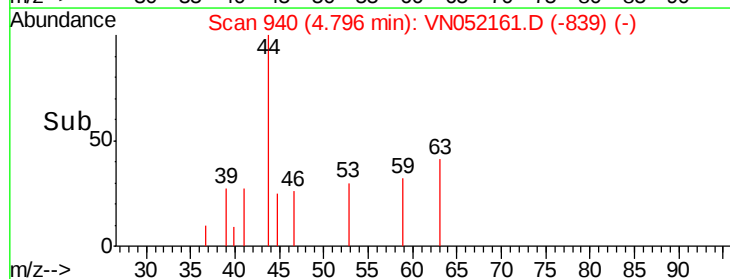
100

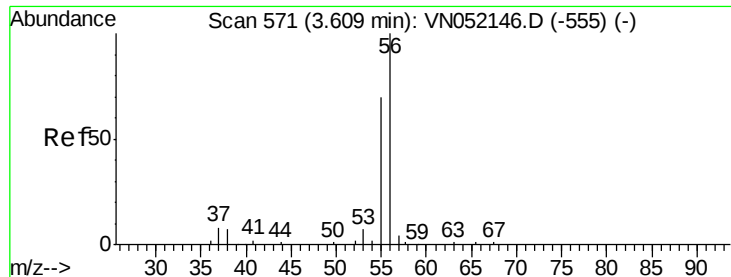
50

0

Time-->

4.78 4.79 4.80





#13

Acrolein

Concen: 32.547 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Instrument :

MSVOA_N

ClientSampled :

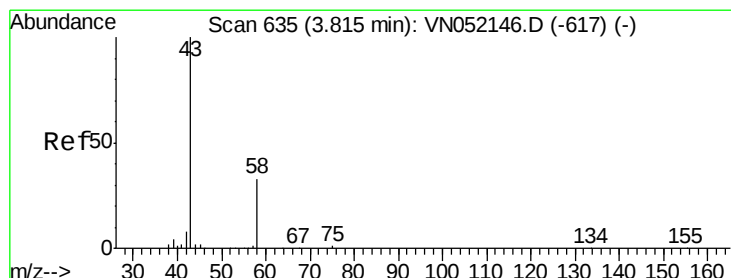
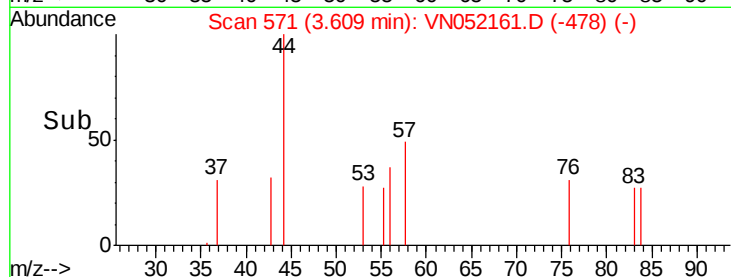
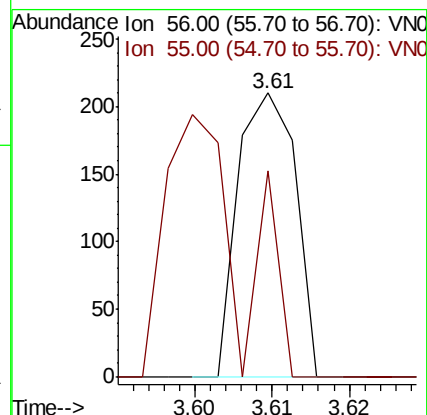
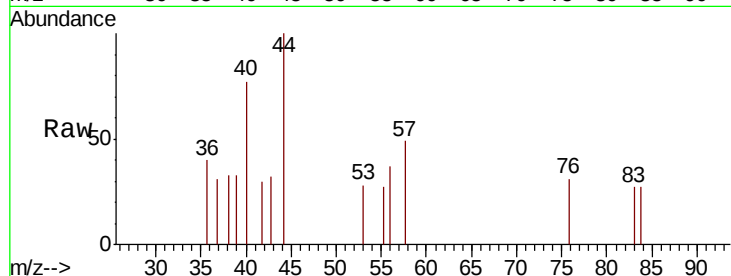
TP3-A

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 119.3 56.6 84.8#



#16

Acetone

Concen: 11.540 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052161.D

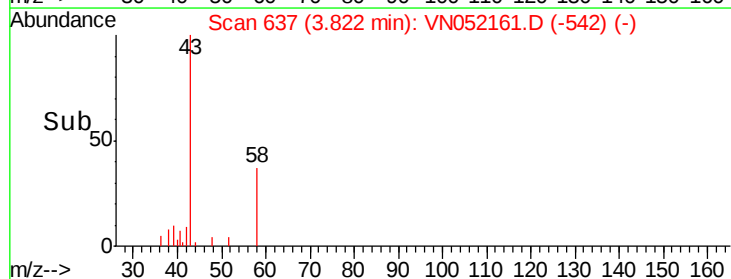
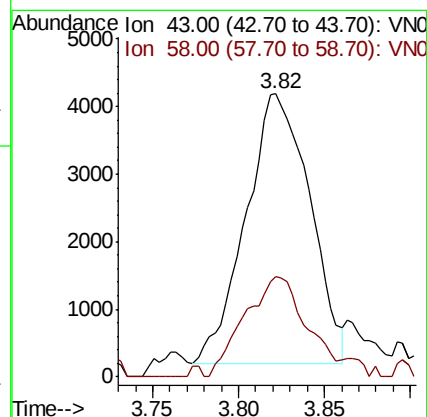
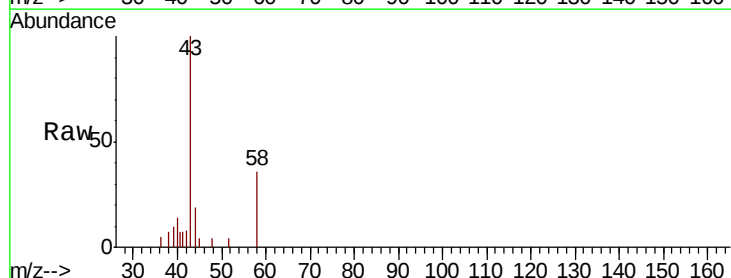
Acq: 5 Nov 2018 21:40

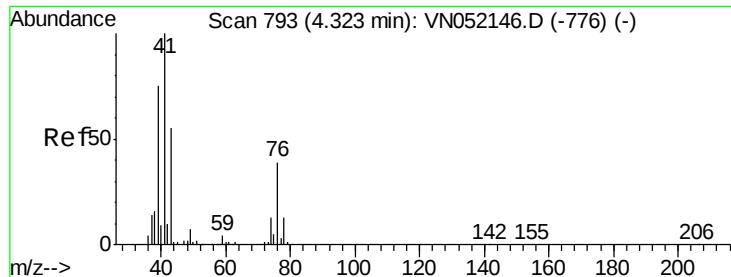
Tgt Ion: 43 Resp: 10298

Ion Ratio Lower Upper

43 100

58 33.5 26.2 39.2

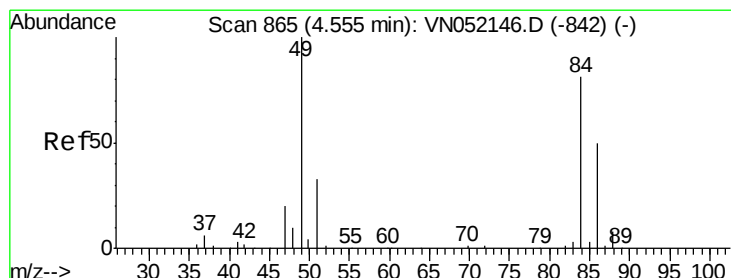
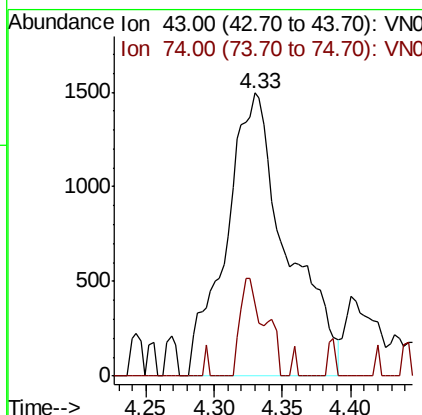
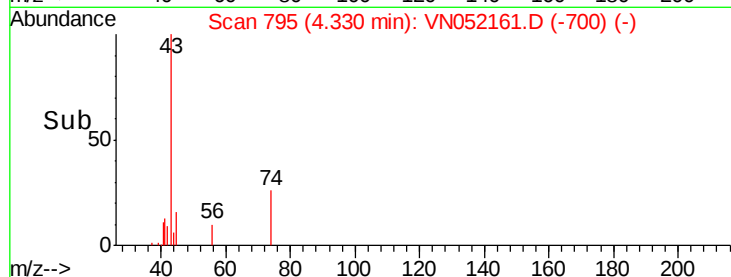
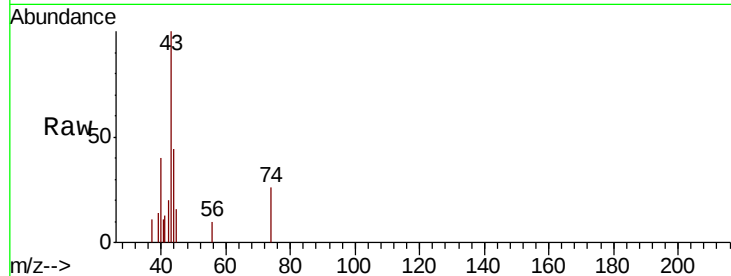




#18
Methvl Acetate
Concen: 1.644 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

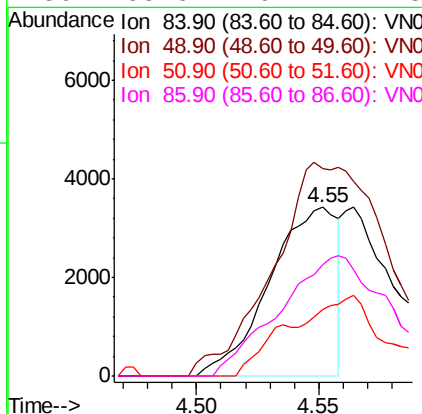
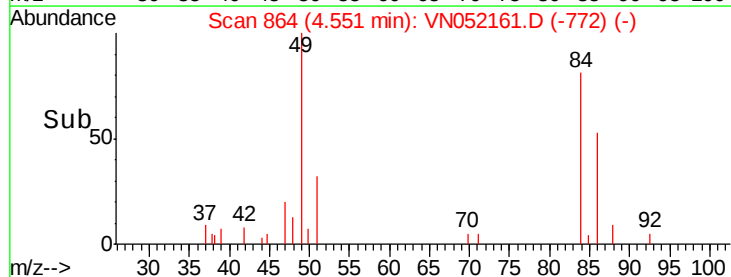
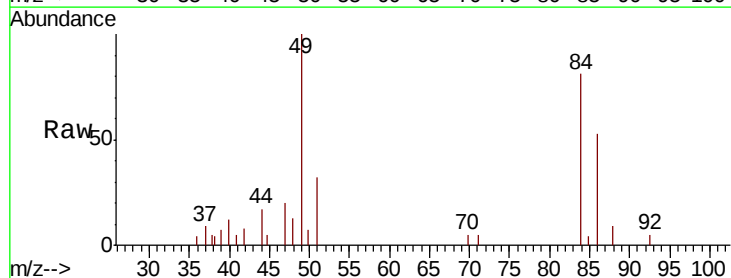
Instrument :
MSVOA_N
ClientSampleId :
TP3-A

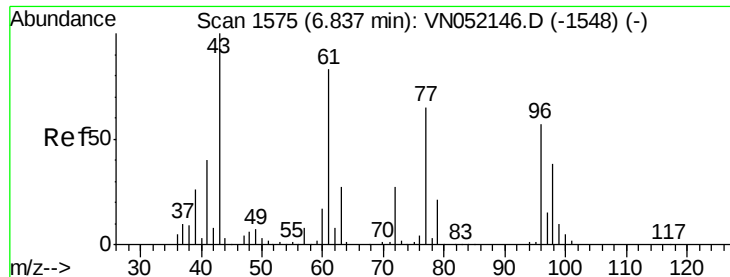
Tot Ion: 43 Resp: 4661
Ion Ratio Lower Upper
43 100
74 10.4 19.3 28.9#



#20
Methylene Chloride
Concen: 1.775 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

Tgt Ion: 84 Resp: 6580
Ion Ratio Lower Upper
84 100
49 122.9 98.4 147.6
51 39.6 32.5 48.7
86 65.6 49.7 74.5

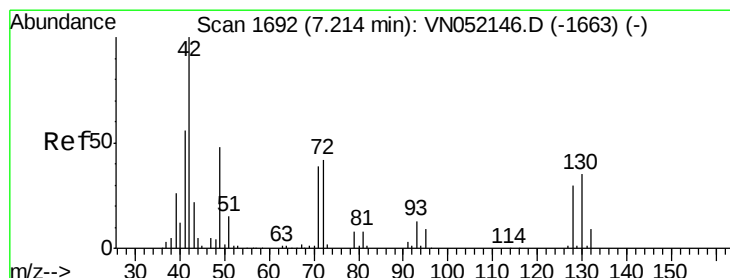
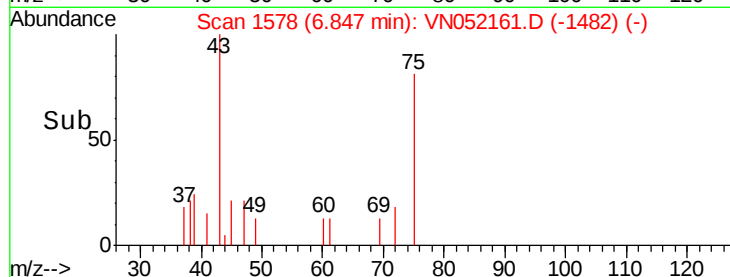
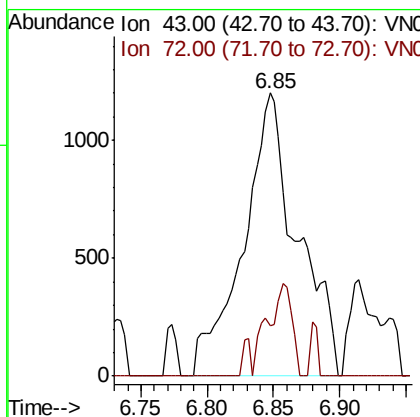
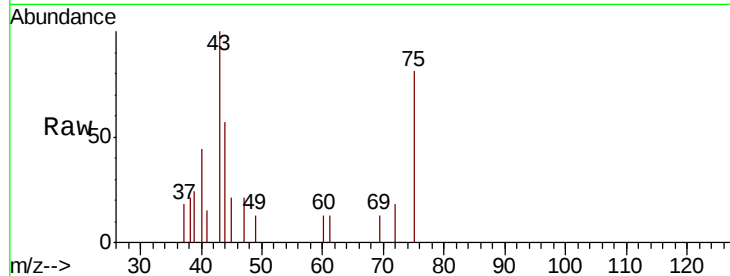




#25
 2-Butanone
 Concen: 2.469 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

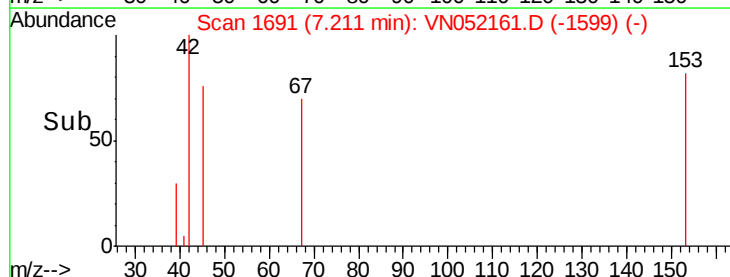
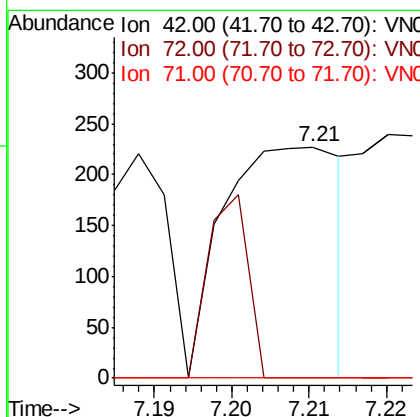
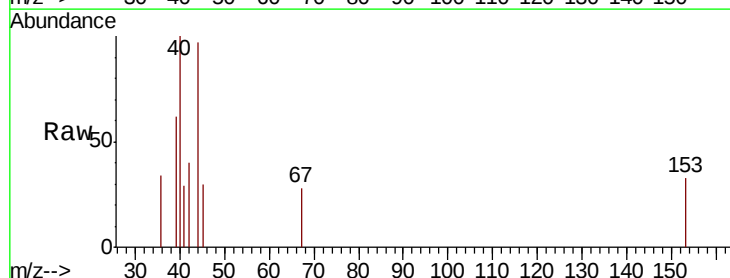
Instrument :
 MSVOA_N
 ClientSampled :
 TP3-A

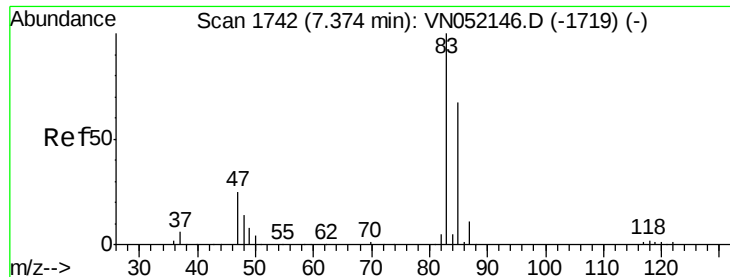
Tot Ion: 43 Resp: 3417
 Ion Ratio Lower Upper
 43 100
 72 18.0 21.4 32.2#



#29
 Tetrahydrofuran
 Concen: 0.279 ug/l
 RT: 7.21 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

Tgt Ion: 42 Resp: 239
 Ion Ratio Lower Upper
 42 100
 72 27.2 32.3 48.5#
 71 0.0 31.0 46.6#

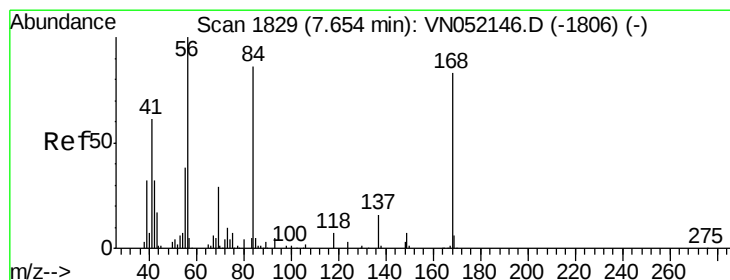
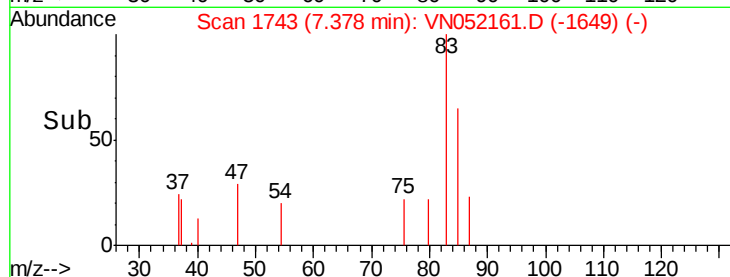
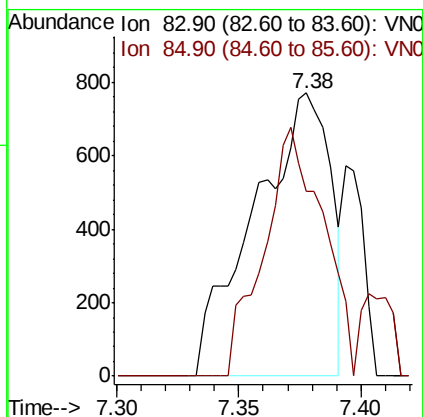
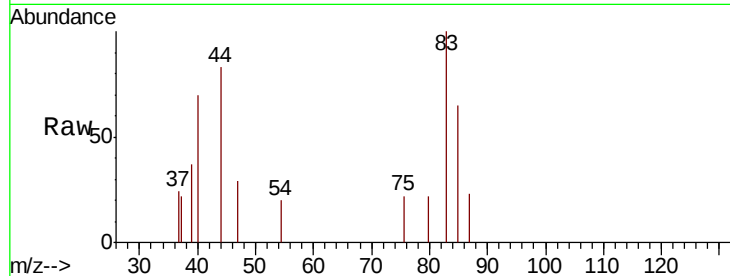




#30
Chloroform
Concen: 0.263 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

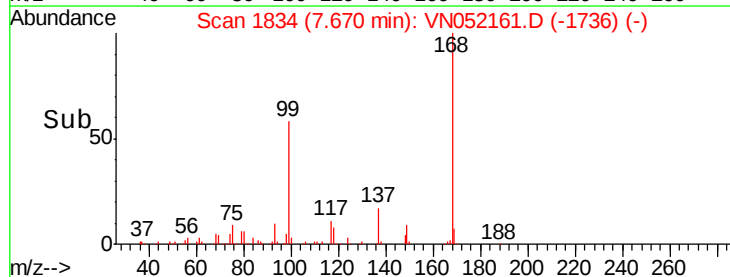
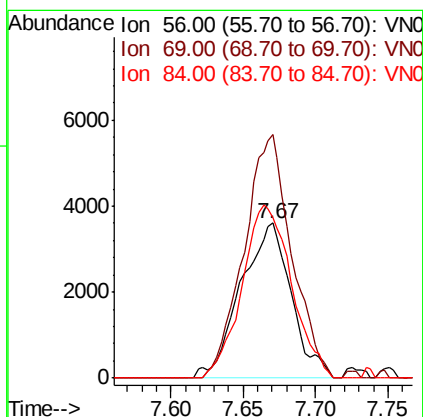
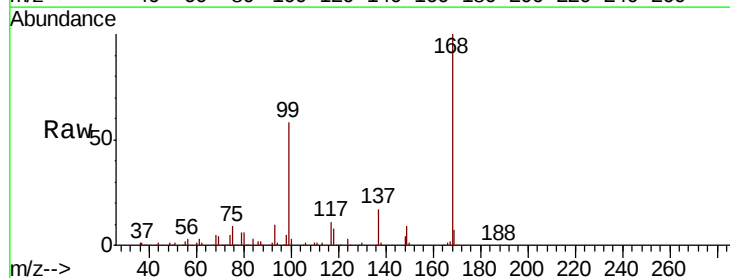
Instrument :
MSVOA_N
ClientSampleId :
TP3-A

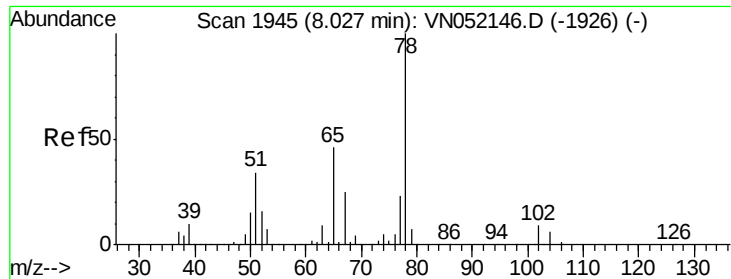
Tot Ion: 83 Resp: 1669
Ion Ratio Lower Upper
83 100
85 65.2 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

Tgt Ion: 56 Resp: 8734
Ion Ratio Lower Upper
56 100
69 157.2 23.5 35.3#
84 103.3 68.7 103.1#

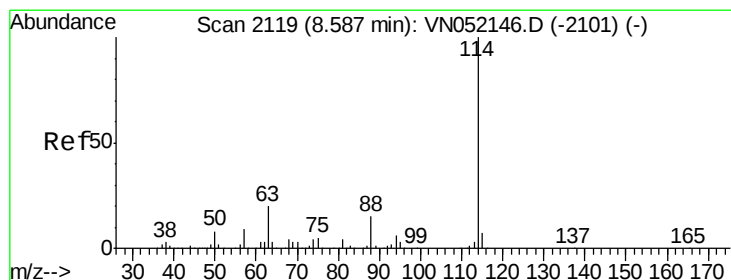
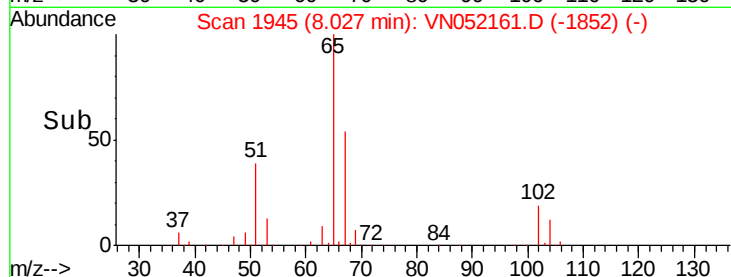
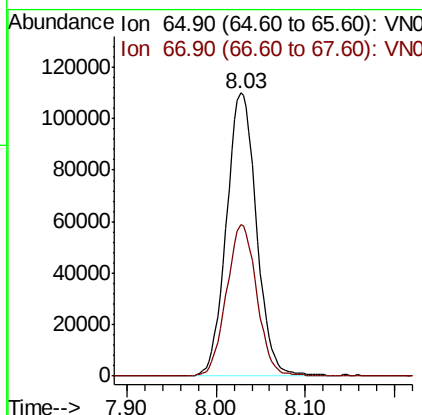
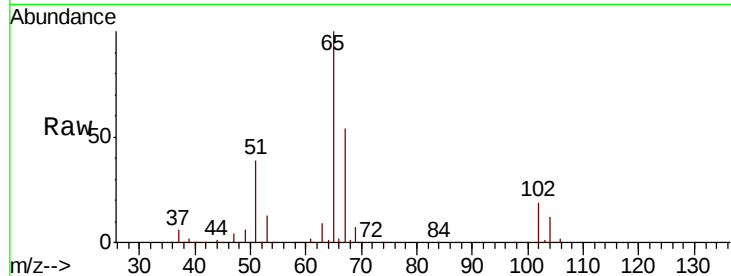




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

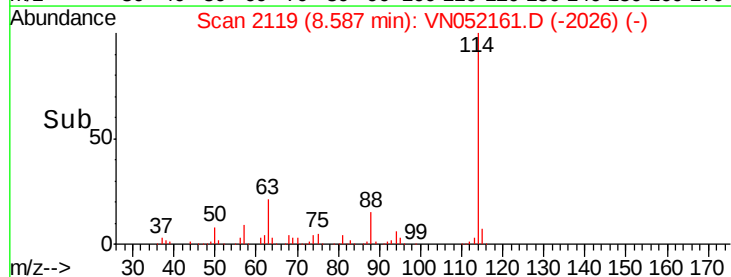
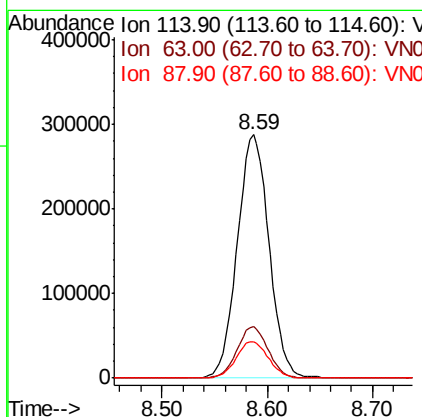
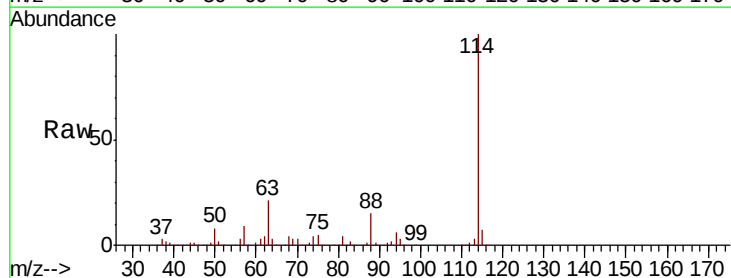
Instrument :
 MSVOA_N
 ClientSampleId :
 TP3-A

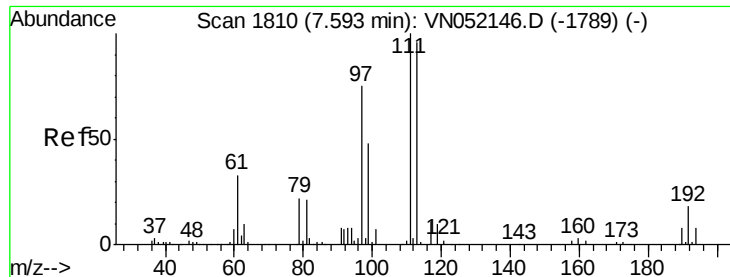
Tot Ion: 65 Resp: 256844
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

Tgt Ion: 114 Resp: 601015
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 14.9 0.0 31.0

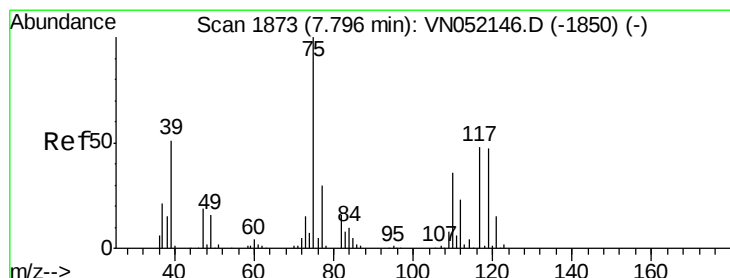
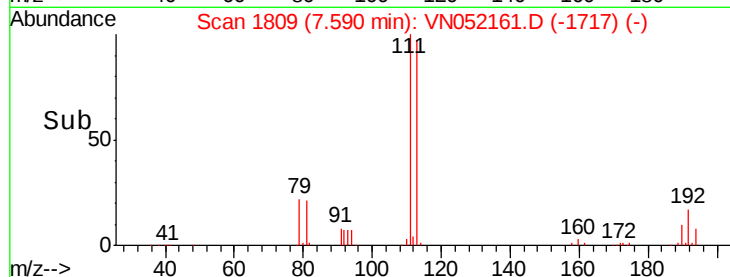
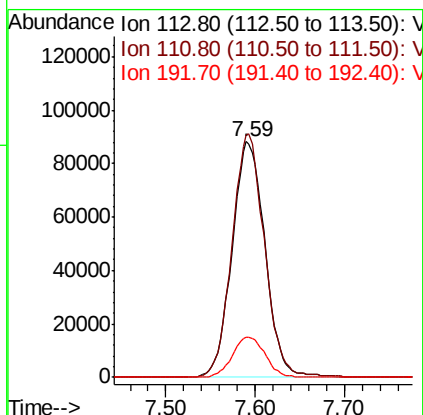
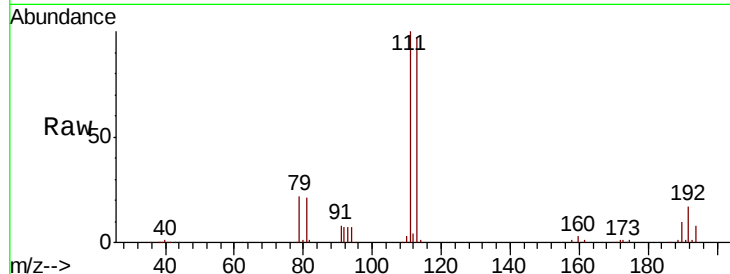




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

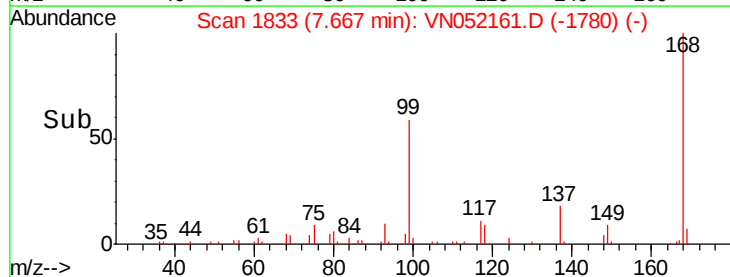
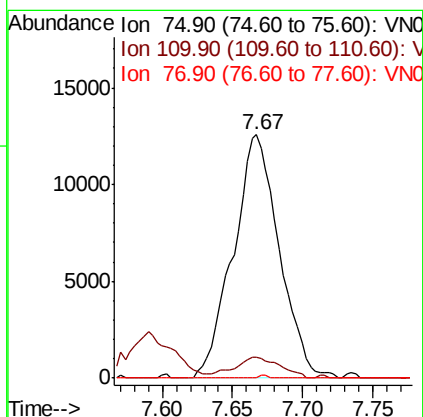
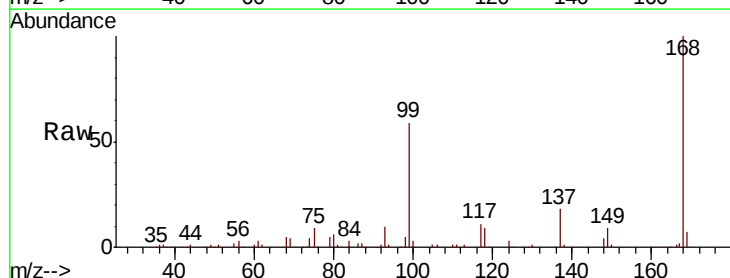
Instrument :
 MSVOA_N
 ClientSampleId :
 TP3-A

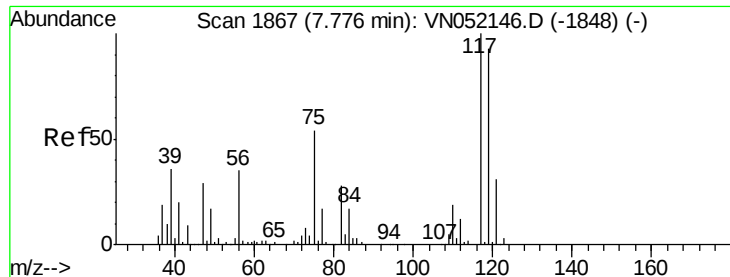
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.7	122.5
192	17.0	14.2	21.4



#36
 1,1-Dichloropropene
 Concen: 5.397 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.8	53.5#
77	0.2	24.0	36.0#





#38

Carbon Tetrachloride

Concen: 6.723 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Instrument :

MSVOA_N

ClientSampleId :

TP3-A

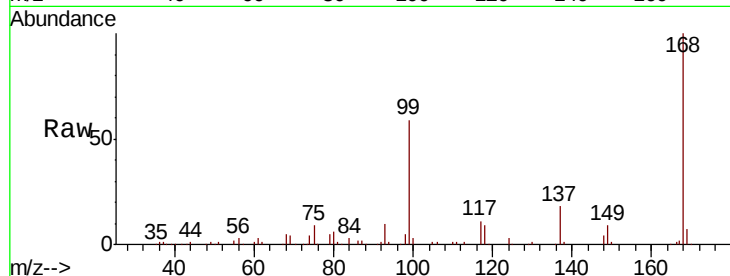
Tot Ion:117 Resp: 35736

Ion Ratio Lower Upper

117 100

119 4.2 74.7 112.1#

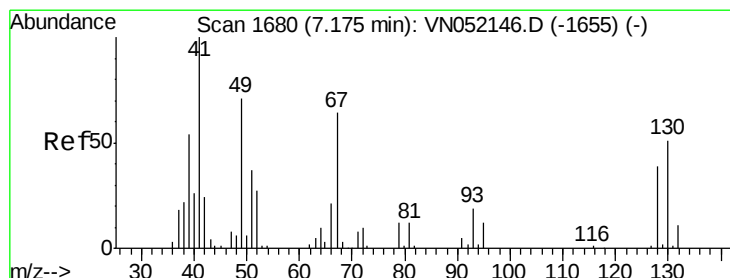
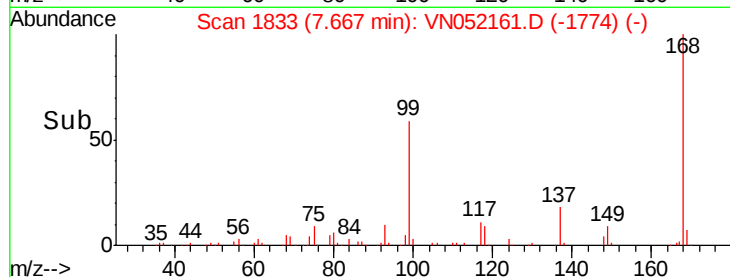
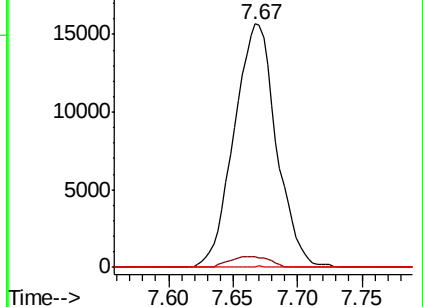
121 0.0 24.5 36.7#



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: 1.444 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Tgt Ion: 41 Resp: 94

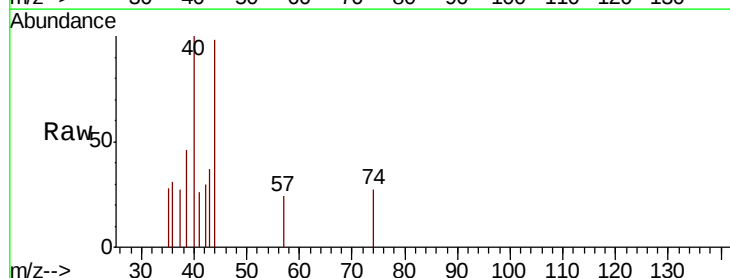
Ion Ratio Lower Upper

41 100

39 533.0 49.6 74.4#

67 0.0 65.4 98.2#

52 0.0 27.2 40.8#

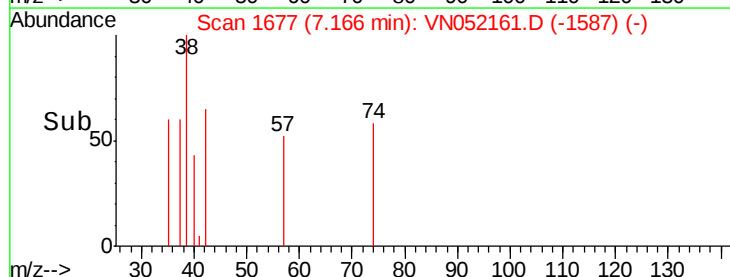
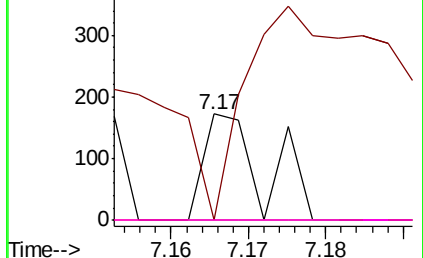


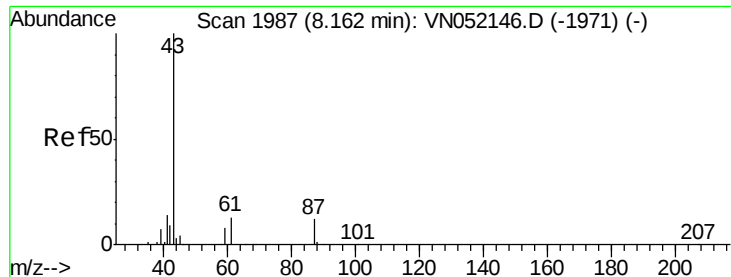
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 32.496 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Instrument :

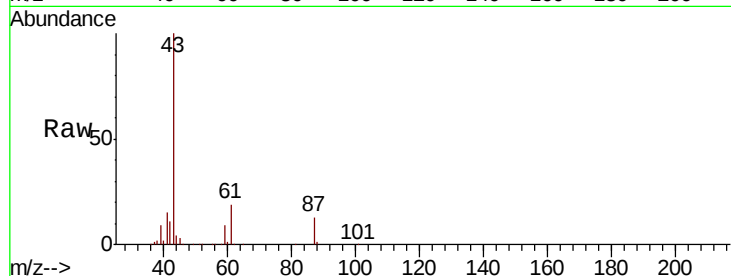
MSVOA_N

ClientSampled :

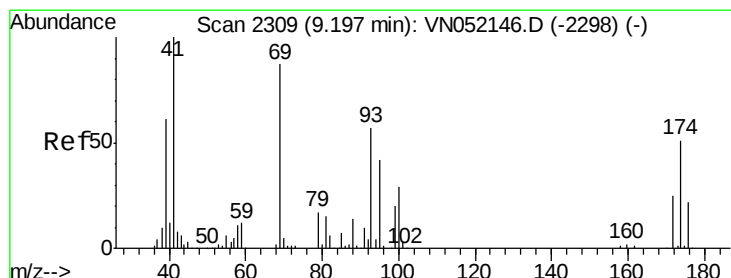
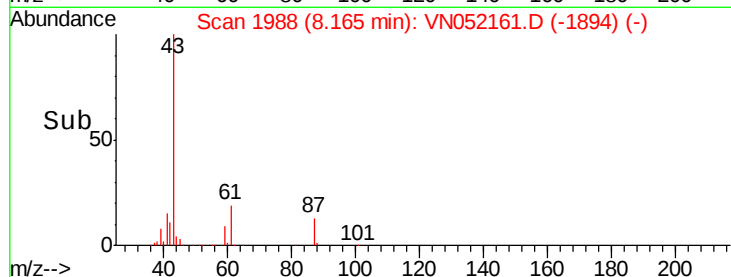
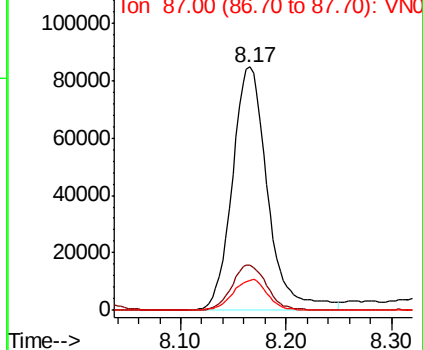
TP3-A

Tot Ion: 43 Resp: 197134

Ion	Ratio	Lower	Upper
43	100		
61	18.4	21.5	32.3#
87	12.2	10.2	15.2



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



#48

Methyl methacrylate

Concen: 2.022 ug/l

RT: 9.18 min Scan# 2304

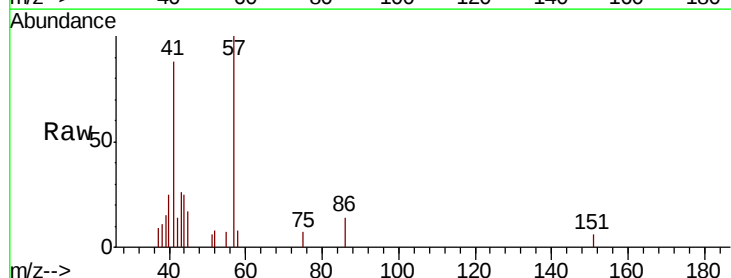
Delta R.T. -0.02 min

Lab File: VN052161.D

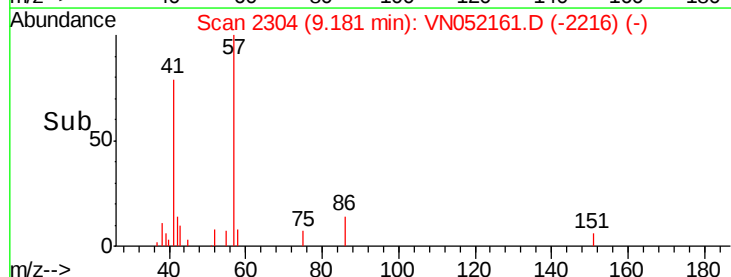
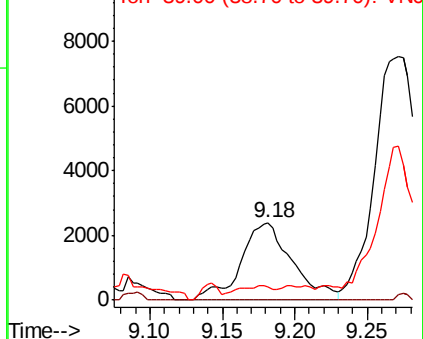
Acq: 5 Nov 2018 21:40

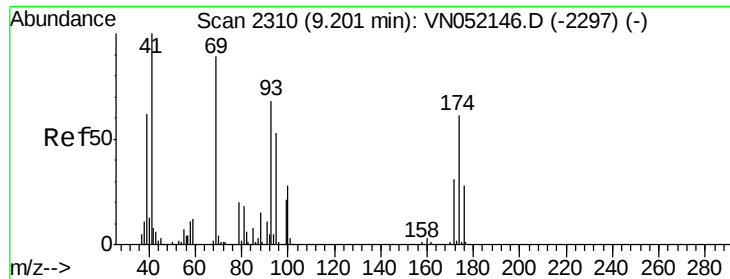
Tgt Ion: 41 Resp: 5903

Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.7	104.5#
39	6.0	50.6	76.0#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

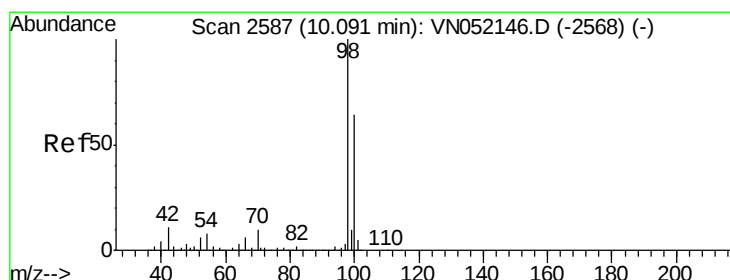
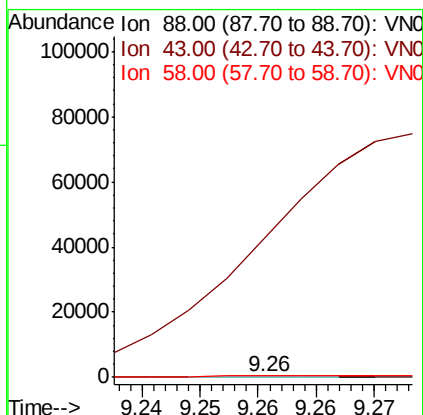
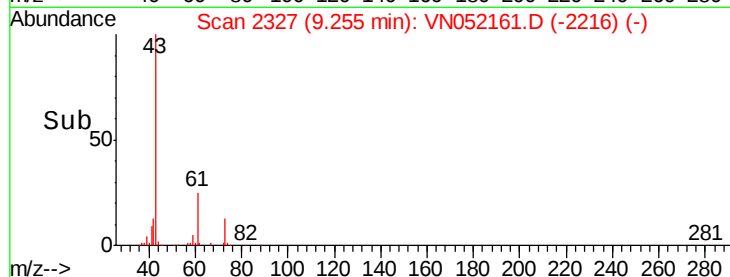
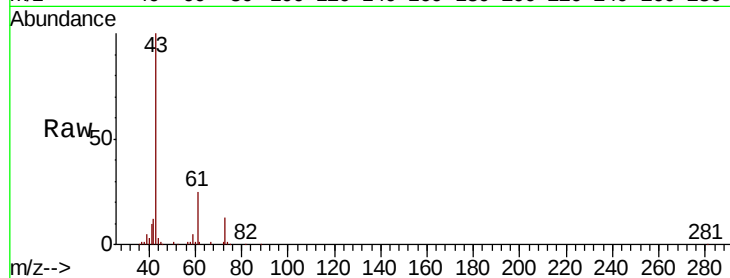




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.26 min Scan# 2327
Delta R.T. 0.06 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

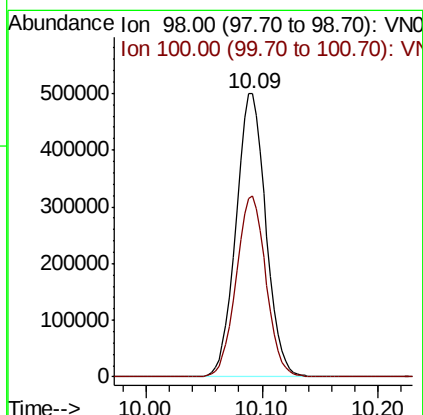
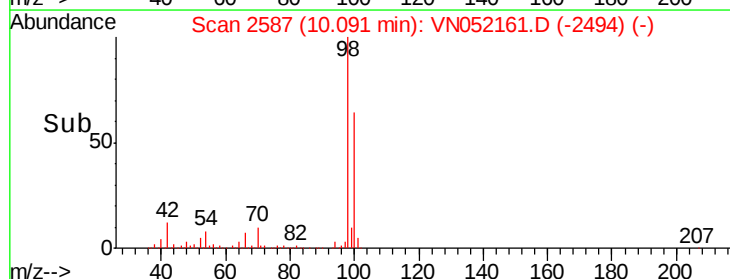
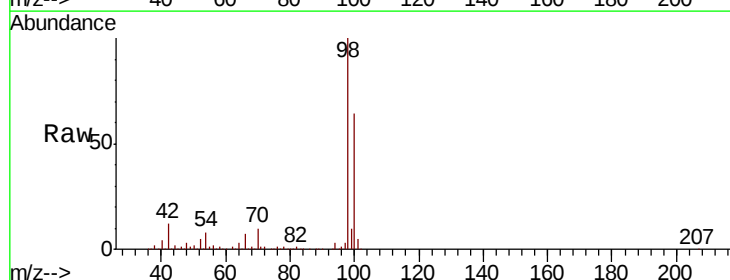
Instrument :
MSVOA_N
ClientSampleId :
TP3-A

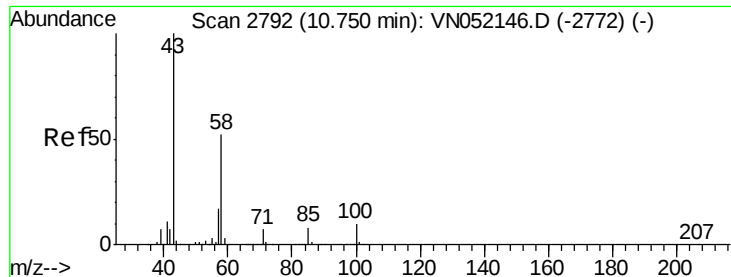
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 33.0 49.6#
58 1427.6 58.6 88.0#



#50
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

Tgt Ion: 98 Resp: 888030
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7

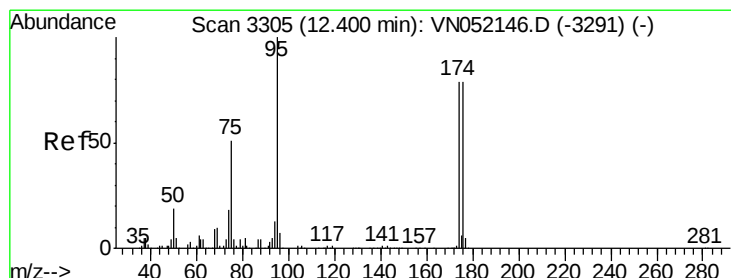
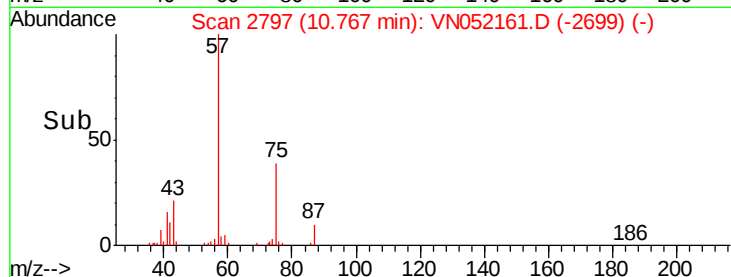
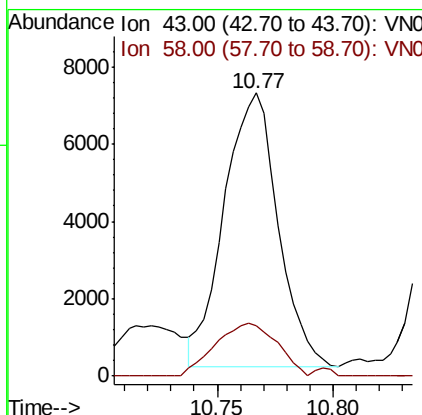
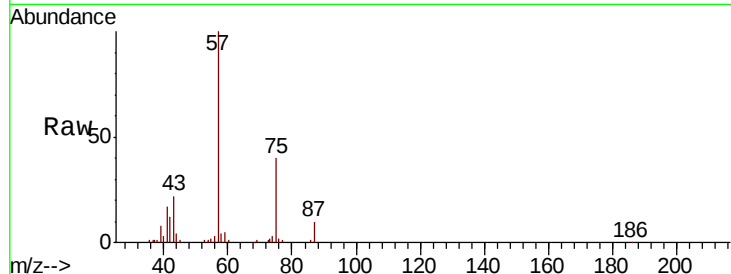




#59
2-Hexanone
Concen: 5.119 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

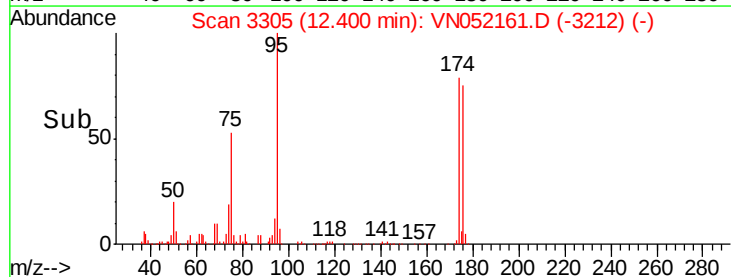
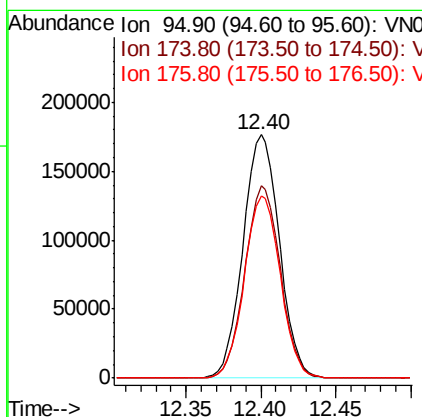
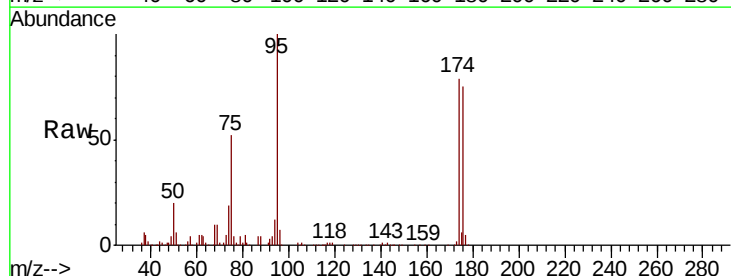
Instrument :
MSVOA_N
ClientSampleId :
TP3-A

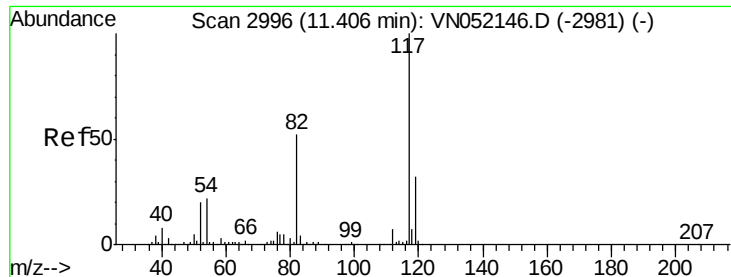
Tot Ion: 43 Resp: 11420
Ion Ratio Lower Upper
43 100
58 22.0 25.8 77.4#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

Tgt Ion: 95 Resp: 299092
Ion Ratio Lower Upper
95 100
174 77.5 0.0 162.6
176 74.0 0.0 155.4

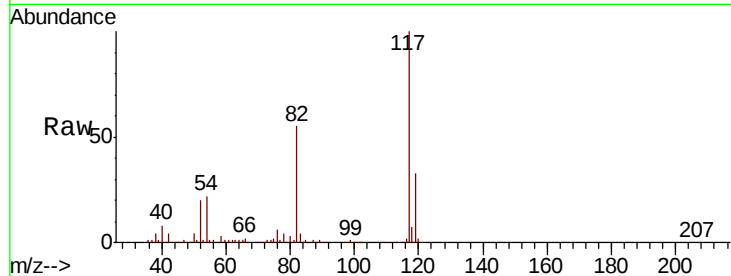




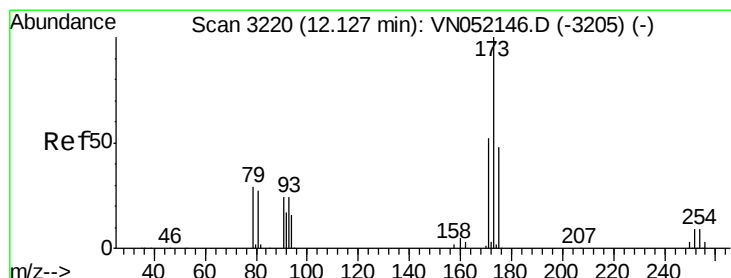
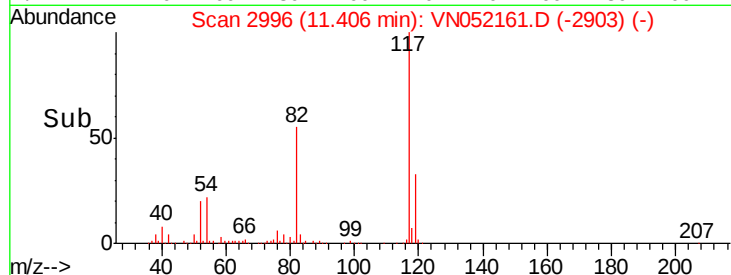
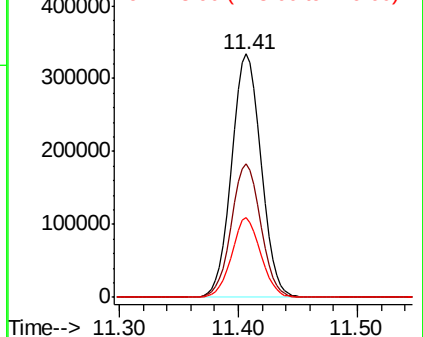
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

Instrument :
MSVOA_N
ClientSampled :
TP3-A

Tot Ion:117 Resp: 573152
Ion Ratio Lower Upper
117 100
82 54.6 41.9 62.9
119 32.6 25.7 38.5

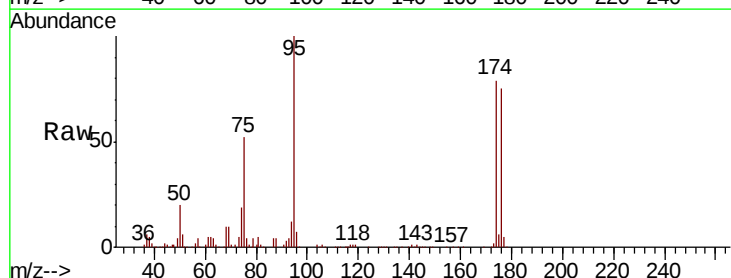


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

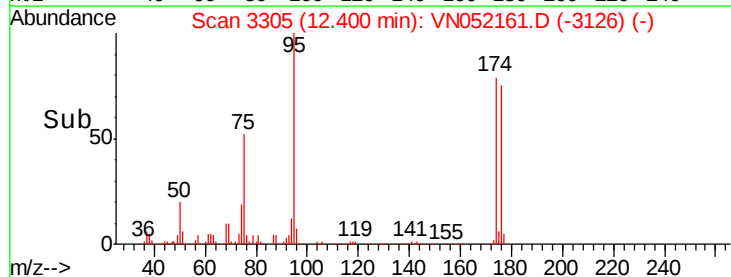
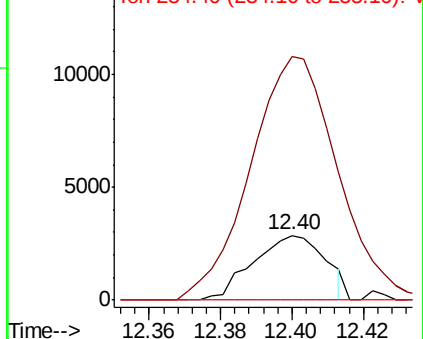


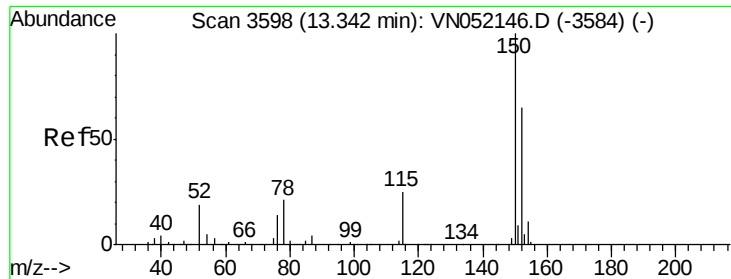
#71
Bromoform
Concen: 4.237 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052161.D
Acq: 5 Nov 2018 21:40

Tgt Ion:173 Resp: 3995
Ion Ratio Lower Upper
173 100
175 404.2 24.8 74.4#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Instrument :

MSVOA_N

ClientSampleId :

TP3-A

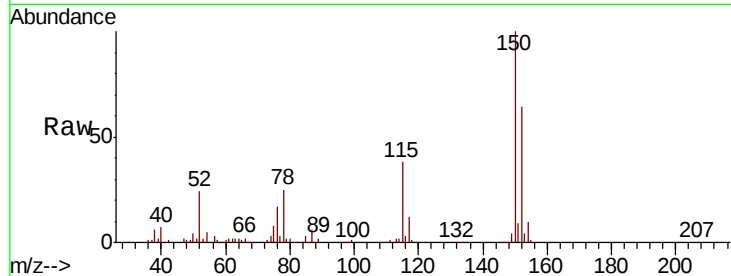
Tot Ion:152 Resp: 238861

Ion Ratio Lower Upper

152 100

115 59.6 28.5 85.5

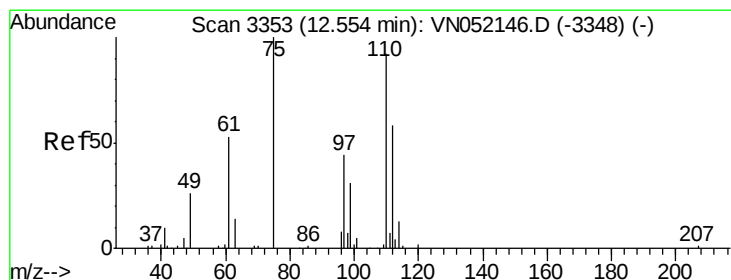
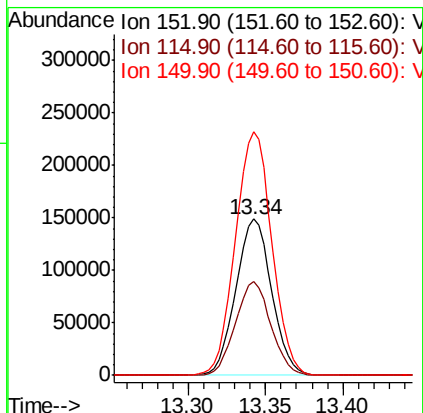
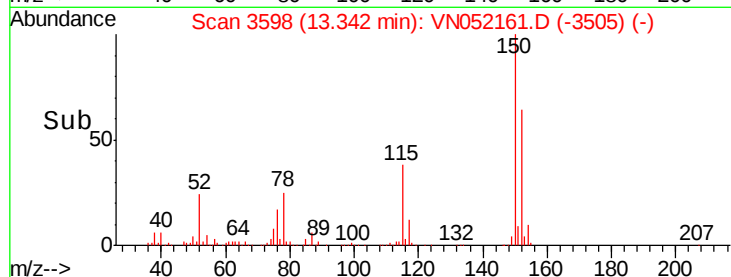
150 158.6 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 40.451 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052161.D

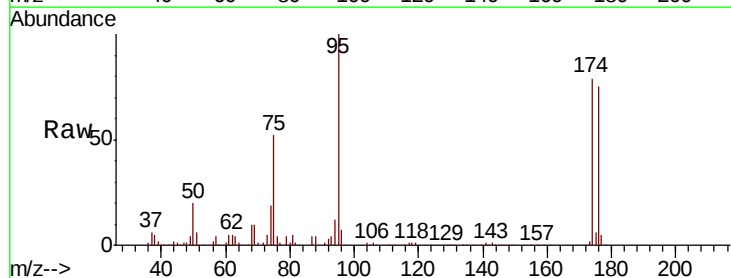
Acq: 5 Nov 2018 21:40

Tgt Ion: 75 Resp: 152058

Ion Ratio Lower Upper

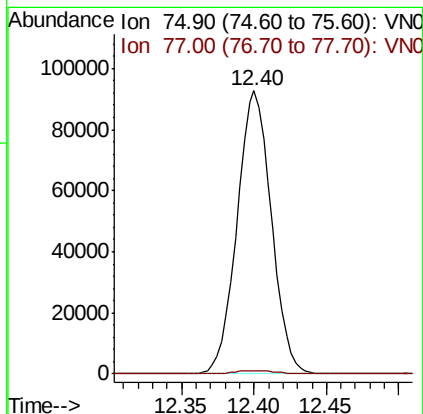
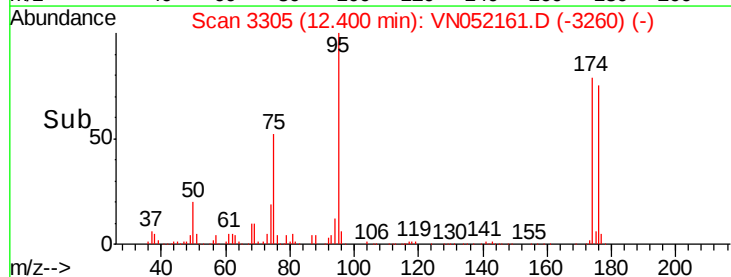
75 100

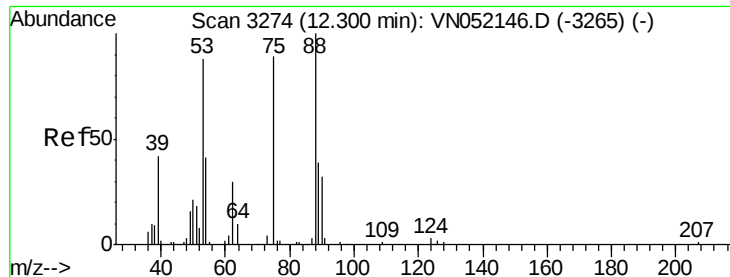
77 1.3 0.0 0.0#



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: 144.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052161.D

Acq: 5 Nov 2018 21:40

Instrument :

MSVOA_N

ClientSampleId :

TP3-A

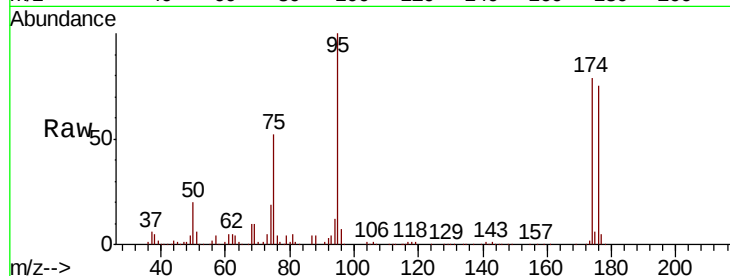
Tot Ion: 75 Resp: 152058

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

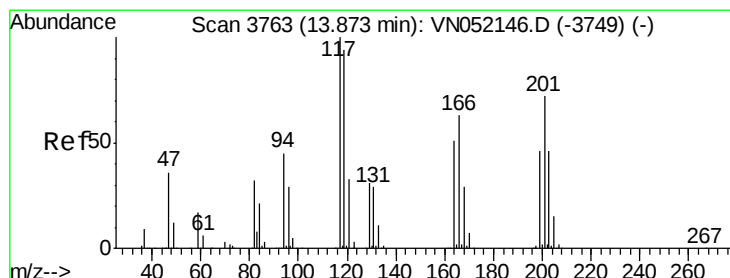
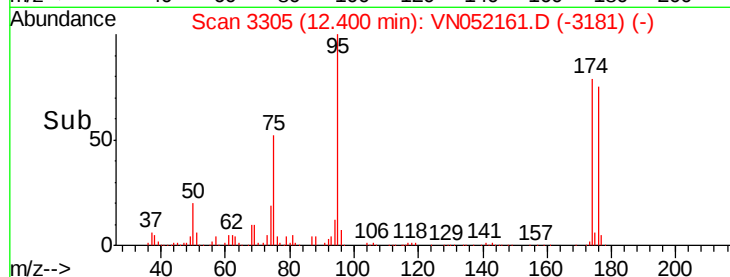
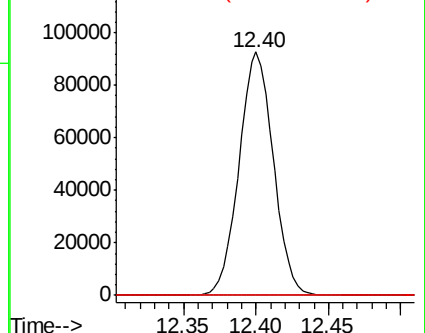
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN052161.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052161.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052161.D (-3181) (-)



#90

Hexachloroethane

Concen: 0.347 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052161.D

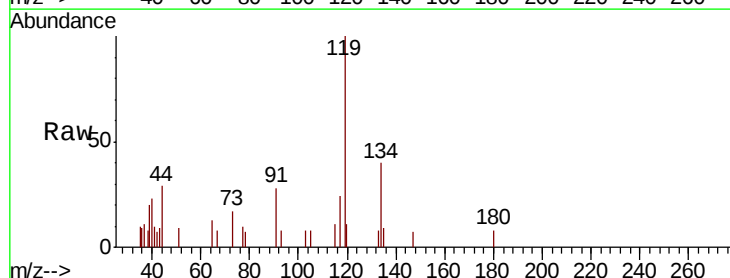
Acq: 5 Nov 2018 21:40

Tgt Ion: 117 Resp: 858

Ion Ratio Lower Upper

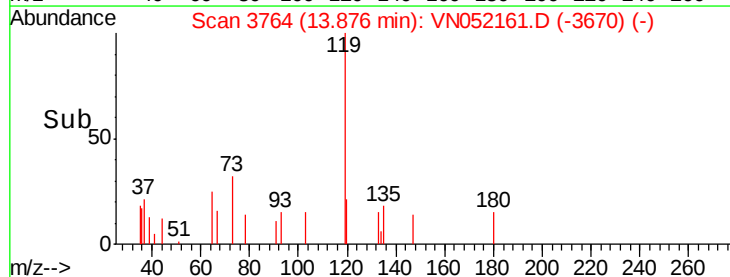
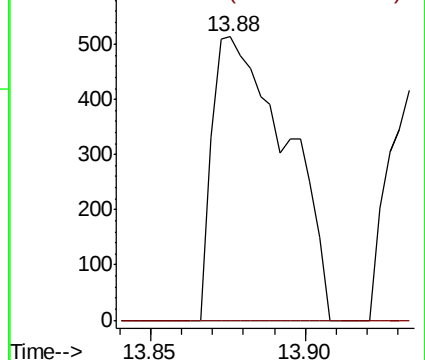
117 100

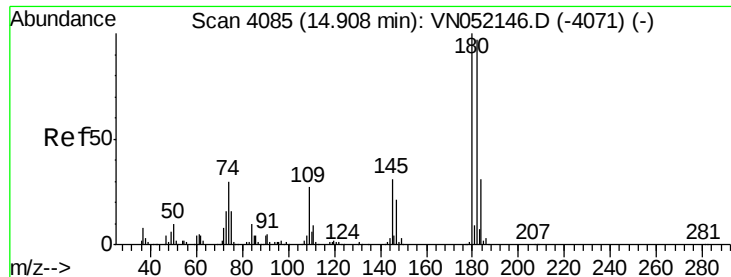
201 0.0 36.8 110.3#



Abundance Ion 116.80 (116.50 to 117.50): VN052161.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN052161.D (-3670) (-)

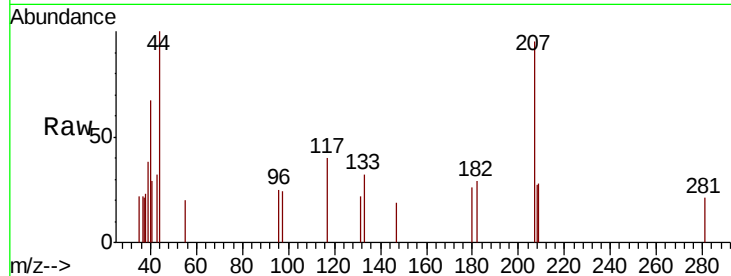




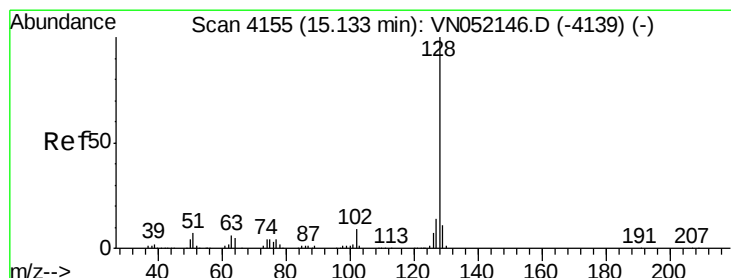
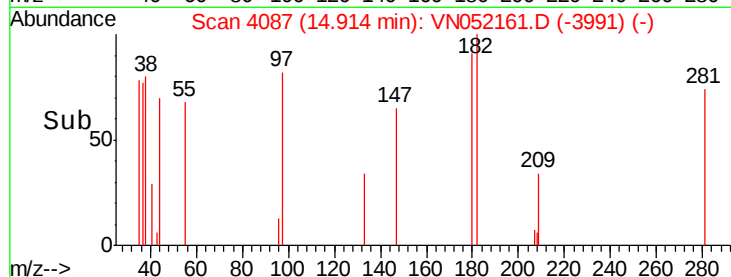
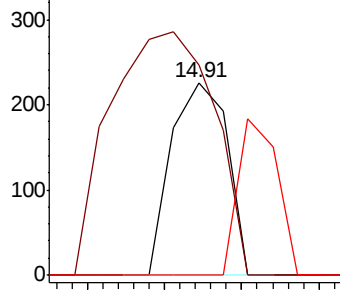
#93
 1,2,4-Trichlorobenzene
 Concen: 2.269 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

Instrument :
 MSVOA_N
 ClientSampled :
 TP3-A

Tot Ion:180 Resp: 114
 Ion Ratio Lower Upper
 180 100
 182 234.2 48.1 144.4#
 145 56.1 15.3 45.9#

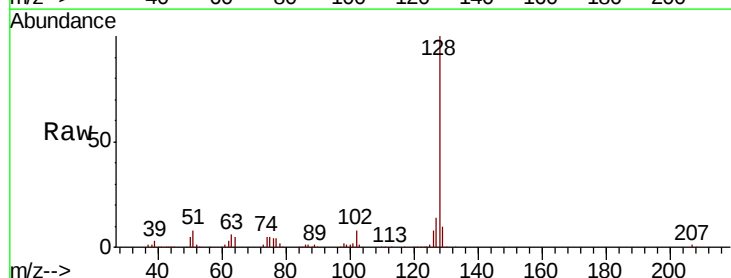


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 42.988 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052161.D
 Acq: 5 Nov 2018 21:40

Tgt Ion:128 Resp: 314432
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.8 16.2
 129 10.5 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

