

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051854.D
 Acq On : 13 Oct 2018 00:51
 Operator : MD\SY
 Sample : PB113779ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#07

Quant Time: Oct 13 02:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	857455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1249281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1098866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406477	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	472134	57.61	ug/l	0.00
Spiked Amount			Recovery	=	115.22%	
35) Dibromofluoromethane	7.59	113	457881	58.94	ug/l	0.00
Spiked Amount			Recovery	=	117.88%	
50) Toluene-d8	10.09	98	1723649	59.55	ug/l	0.00
Spiked Amount			Recovery	=	119.10%	
62) 4-Bromofluorobenzene	12.40	95	495319	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

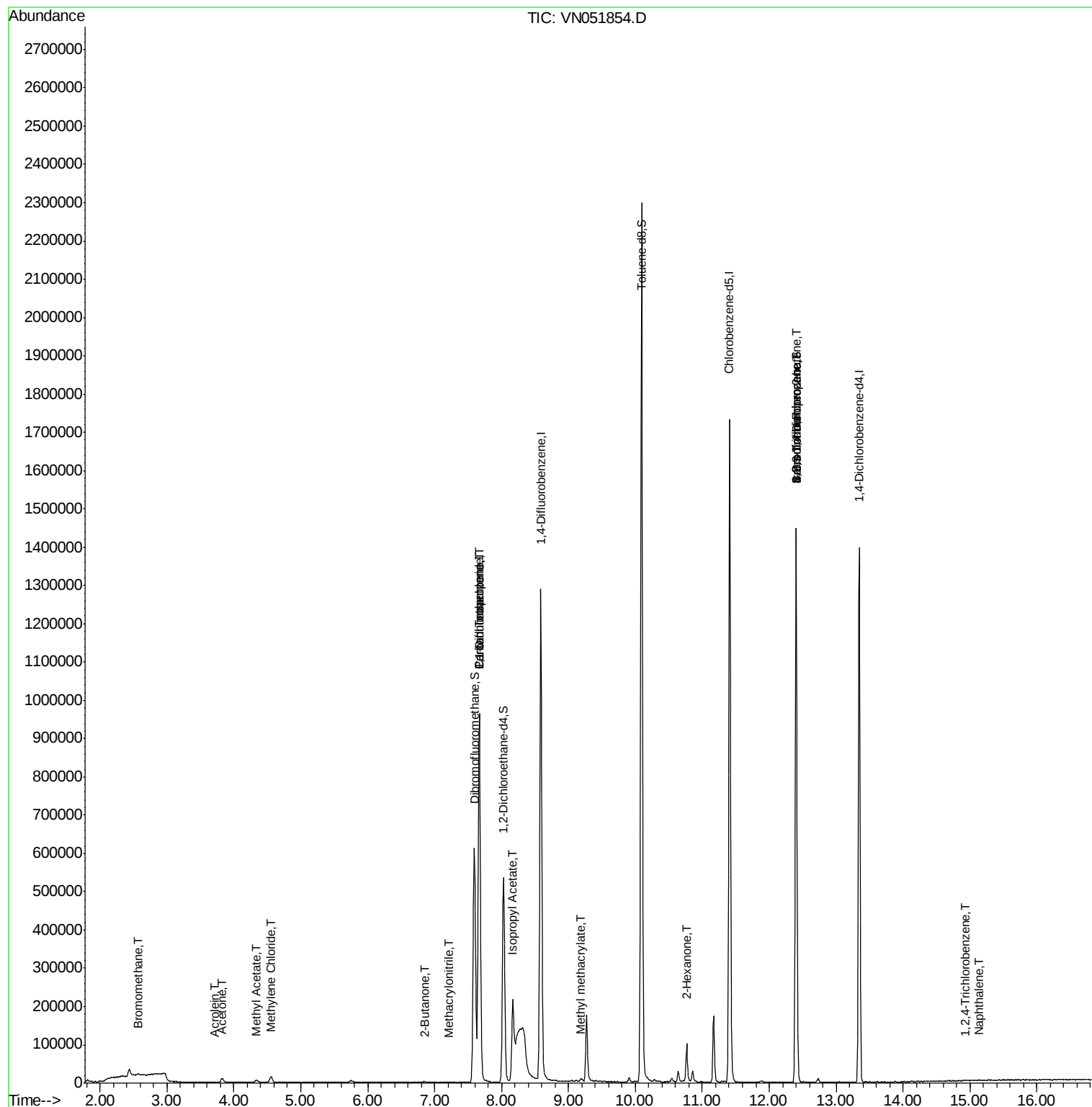
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2467	0.316	ug/l	98
13) Acrolein	3.71	56	82	16.065	ug/l #	14
16) Acetone	3.82	43	9556	5.406	ug/l	95
18) Methyl Acetate	4.33	43	10690	1.246	ug/l #	87
20) Methylene Chloride	4.55	84	11804	1.614	ug/l #	85
25) 2-Butanone	6.85	43	1083	0.434	ug/l #	70
31) Cyclohexane	7.67	56	14702	Below Cal	#	14
36) 1,1-Dichloropropene	7.67	75	53787	5.318	ug/l #	50
38) Carbon Tetrachloride	7.67	117	75716	6.458	ug/l #	16
41) Methacrylonitrile	7.21	41	510	0.204	ug/l #	17
43) Isopropyl Acetate	8.17	43	268006	25.597	ug/l #	94
48) Methyl methacrylate	9.18	41	3873	0.837	ug/l #	19
59) 2-Hexanone	10.76	43	13417	3.544	ug/l #	52
71) Bromoform	12.40	173	3939	4.127	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	251932	50.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	251932	142.726	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	96	3.667	ug/l #	12
95) Naphthalene	15.13	128	217	4.409	ug/l #	69

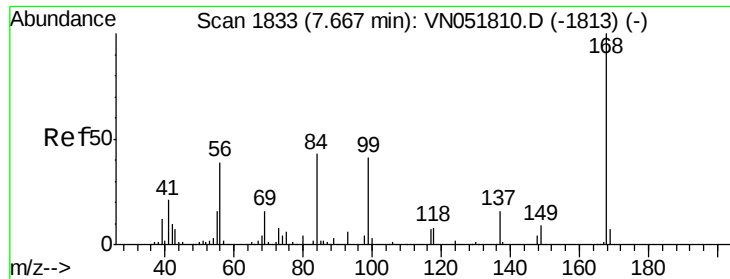
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
Data File : VN051854.D
Acq On : 13 Oct 2018 00:51
Operator : MD\SY
Sample : PB113779ZHE#07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 35 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#07

Quant Time: Oct 13 02:10:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:51:20 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: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

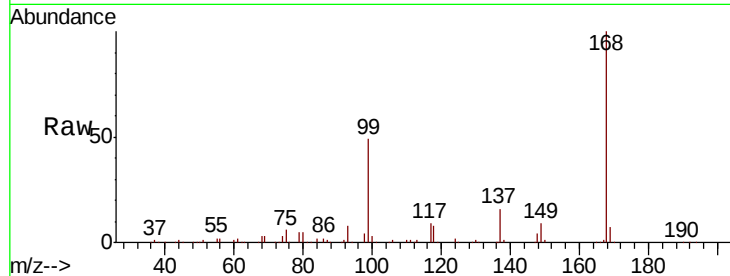
PB113779ZHE#07

Tot Ion:168 Resp: 857455

Ion Ratio Lower Upper

168 100

99 49.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

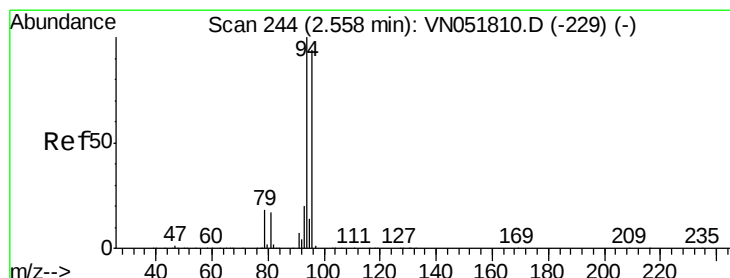
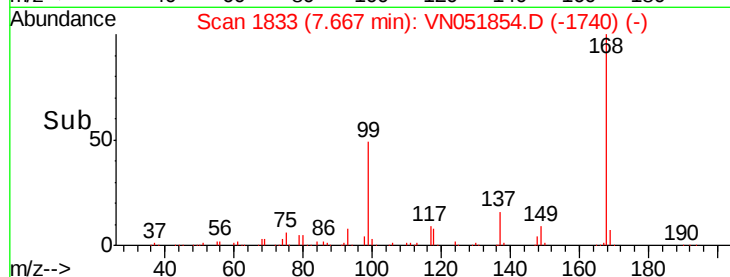
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.316 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN051854.D

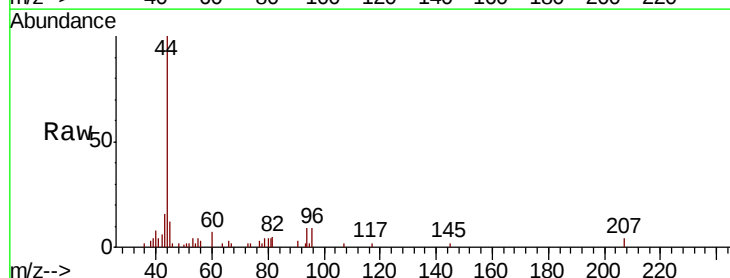
Acq: 13 Oct 2018 00:51

Tgt Ion: 94 Resp: 2467

Ion Ratio Lower Upper

94 100

96 93.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1000

800

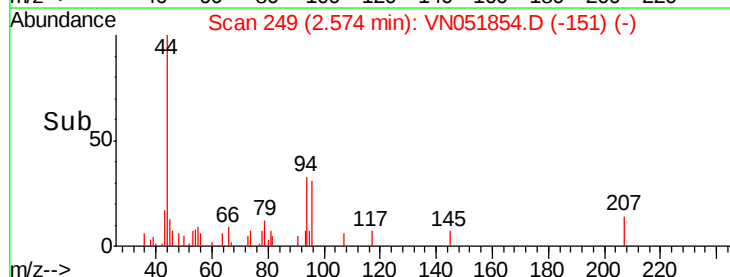
600

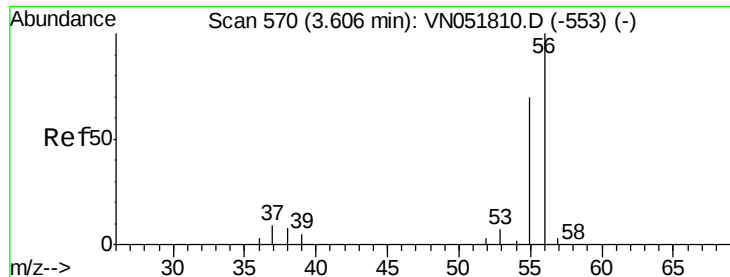
400

200

0

Time-->





#13

Acrolein

Concen: 16.065 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.10 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

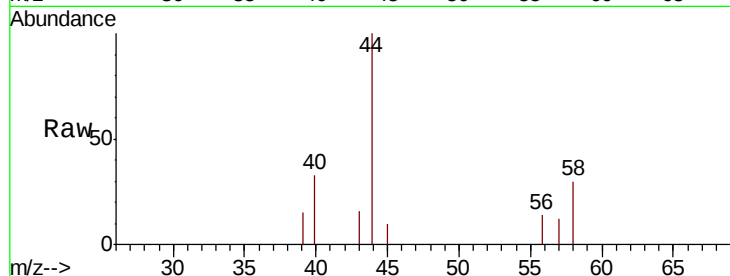
PB113779ZHE#07

Tot Ion: 56 Resp: 82

Ion Ratio Lower Upper

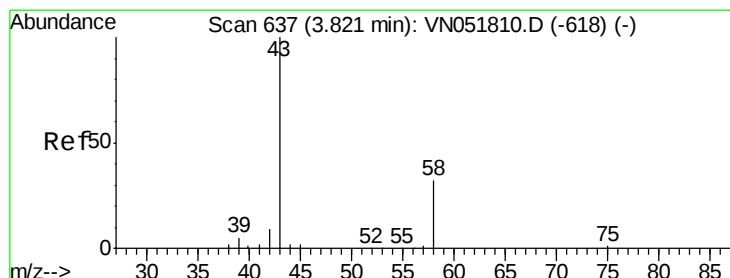
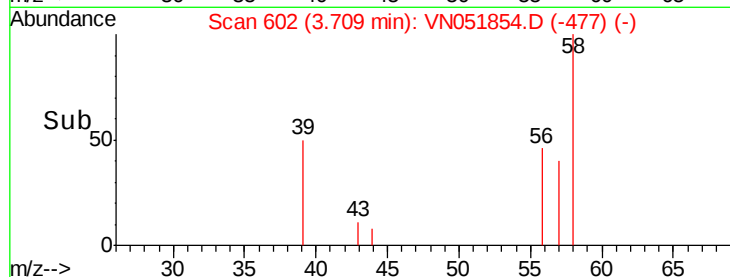
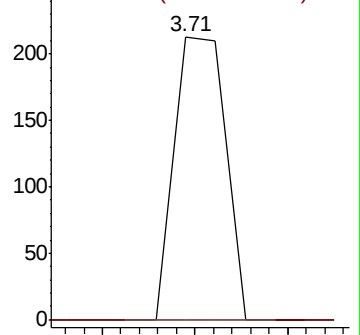
56 100

55 0.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.406 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051854.D

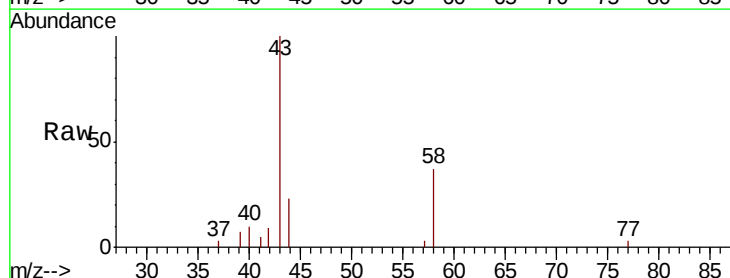
Acq: 13 Oct 2018 00:51

Tgt Ion: 43 Resp: 9556

Ion Ratio Lower Upper

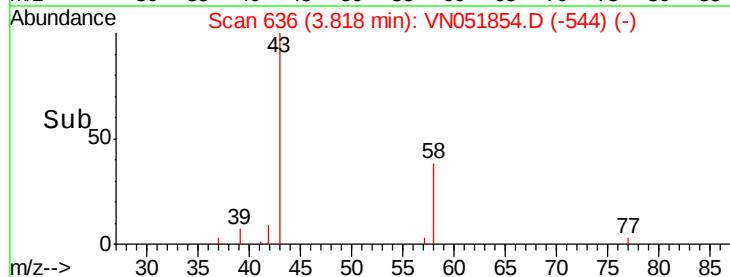
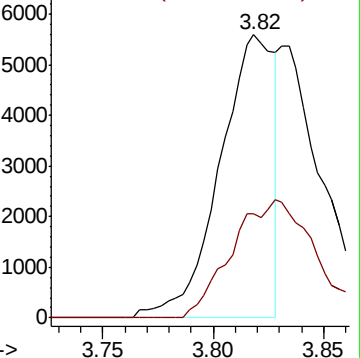
43 100

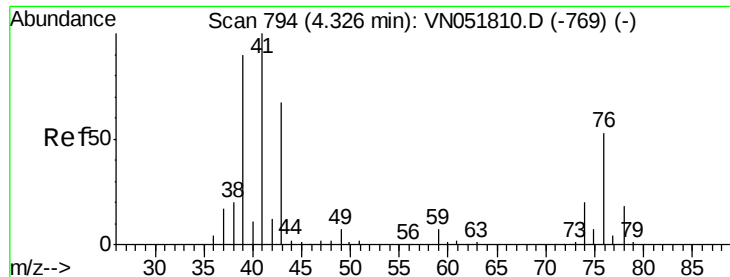
58 36.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

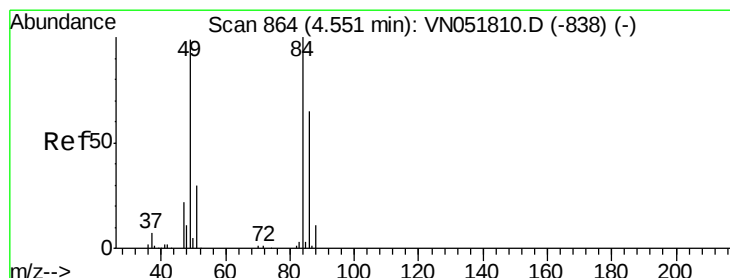
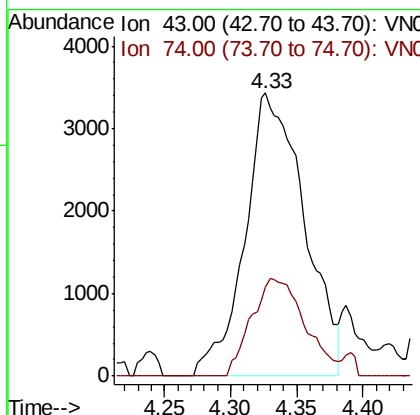
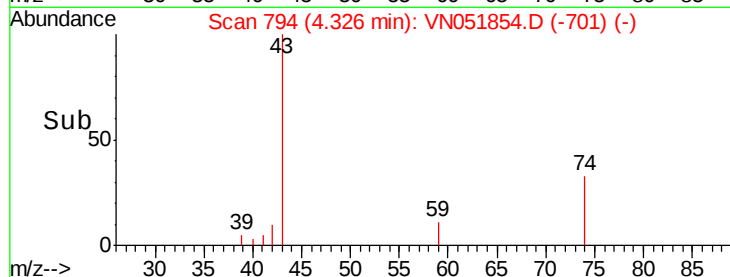
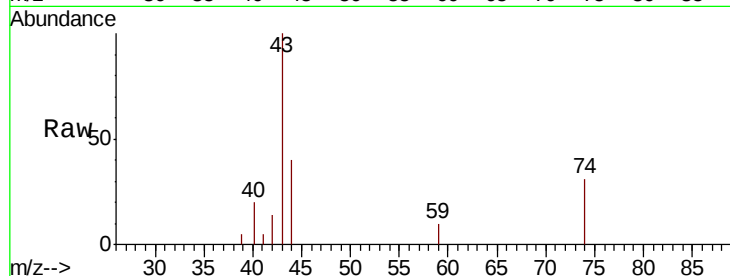




#18
Methyl Acetate
Concen: 1.246 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051854.D
Acq: 13 Oct 2018 00:51

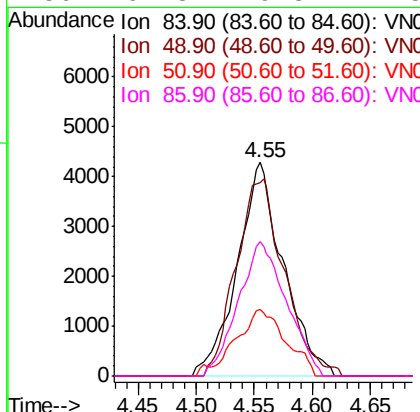
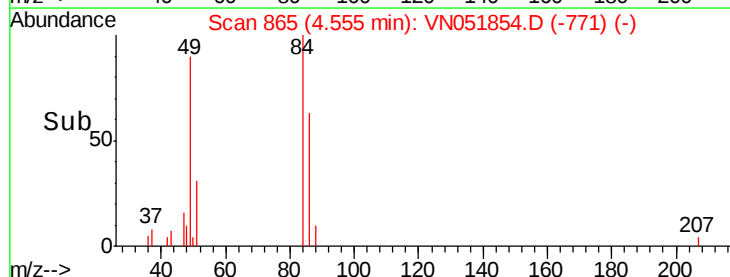
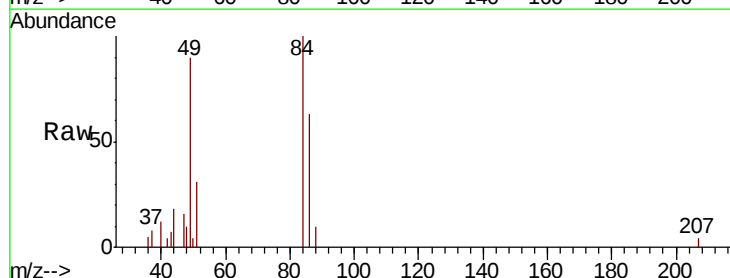
Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#07

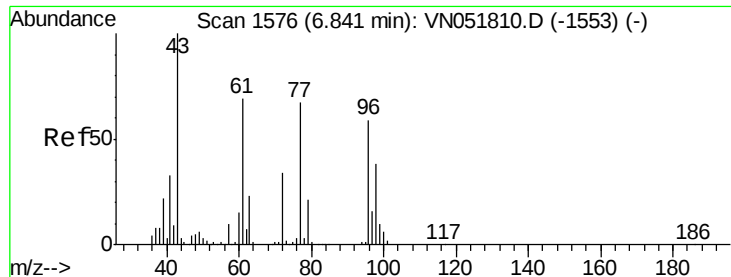
Tot Ion: 43 Resp: 10690
Ion Ratio Lower Upper
43 100
74 31.1 19.8 29.8#



#20
Methylene Chloride
Concen: 1.614 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051854.D
Acq: 13 Oct 2018 00:51

Tgt Ion: 84 Resp: 11804
Ion Ratio Lower Upper
84 100
49 90.5 93.2 139.8#
51 31.0 29.0 43.6
86 62.8 49.8 74.8

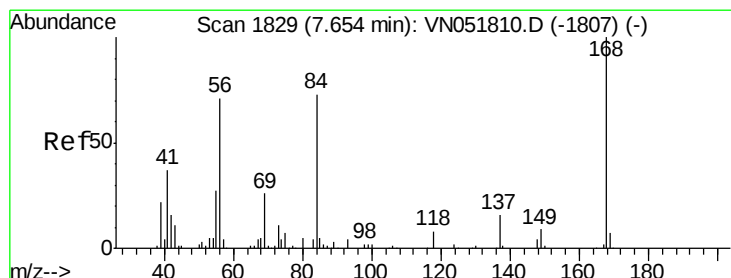
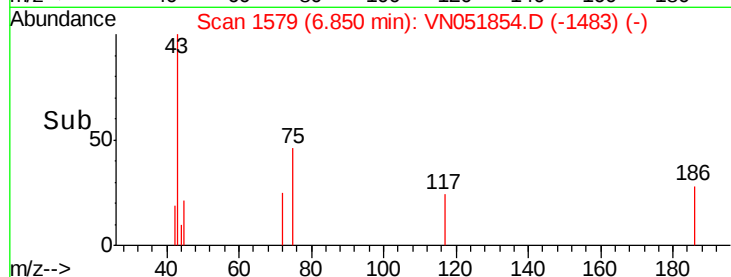
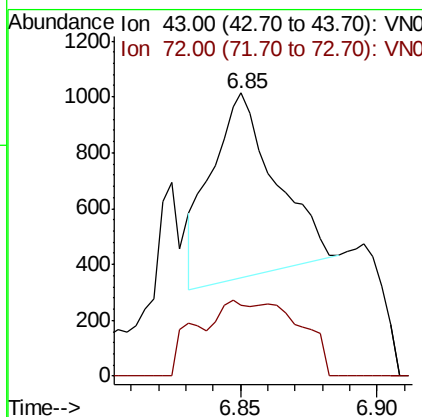
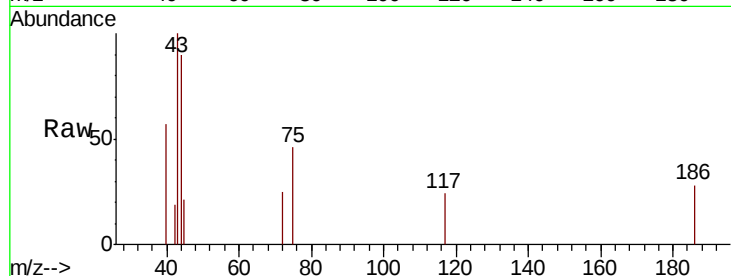




#25
2-Butanone
Concen: 0.434 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051854.D
Acq: 13 Oct 2018 00:51

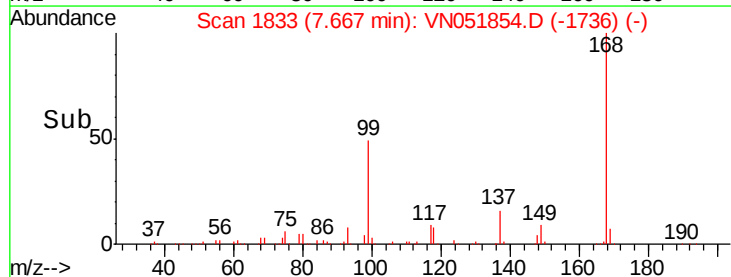
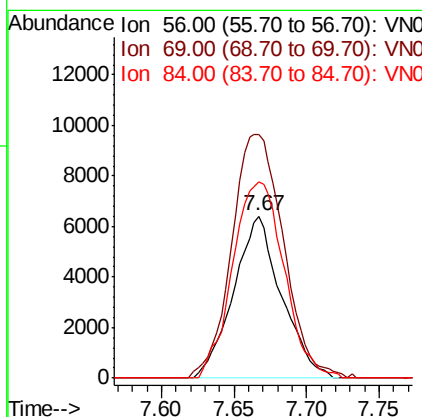
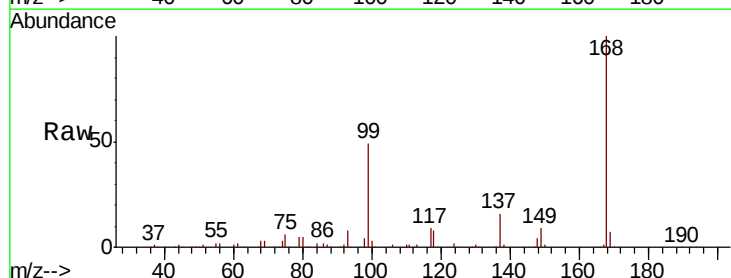
Instrument :
MSVOA_N
ClientSampleId :
PB113779ZHE#07

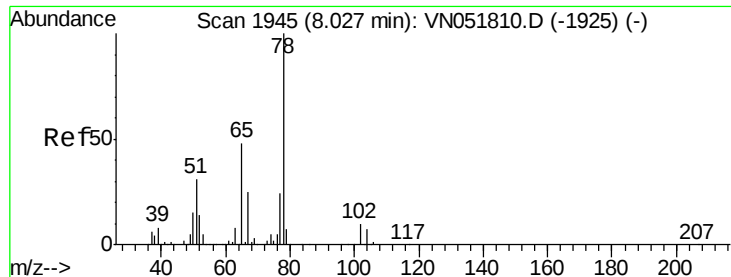
Tot Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
72 43.4 22.3 33.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051854.D
Acq: 13 Oct 2018 00:51

Tgt Ion: 56 Resp: 14702
Ion Ratio Lower Upper
56 100
69 150.1 26.2 39.4#
84 120.8 68.3 102.5#

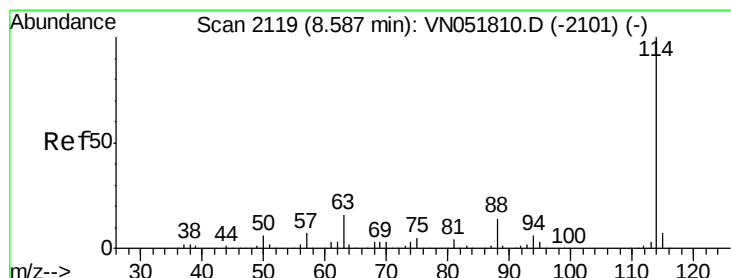
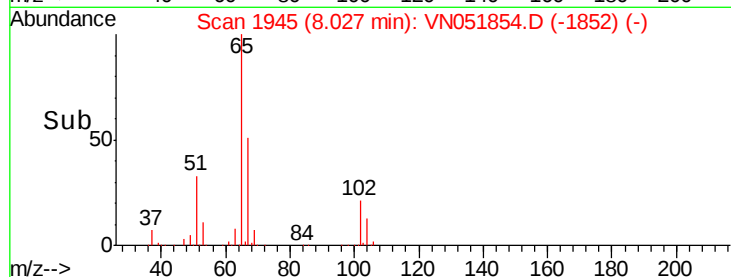
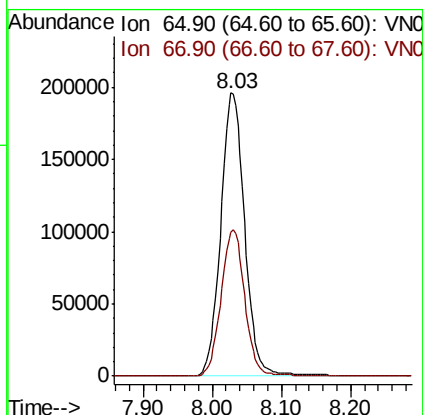
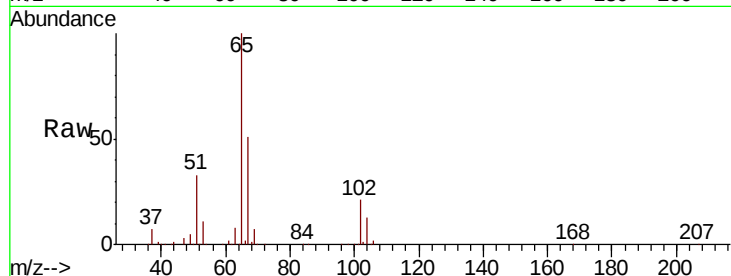




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

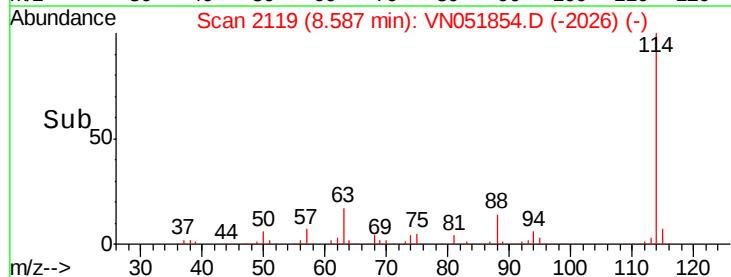
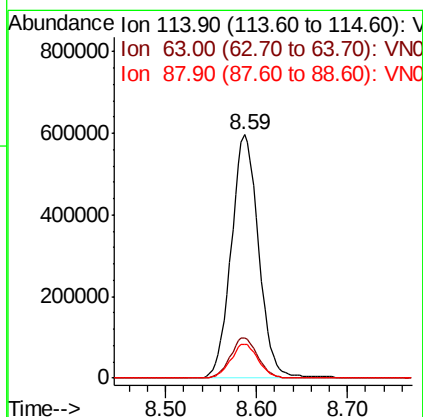
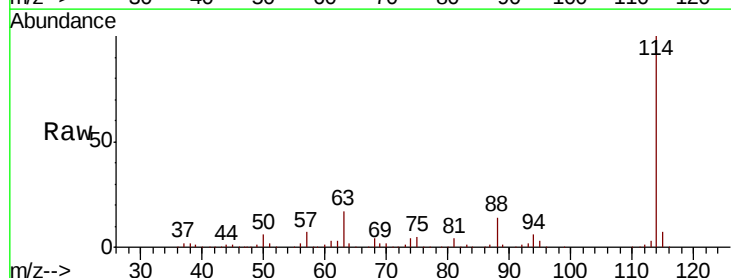
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#07

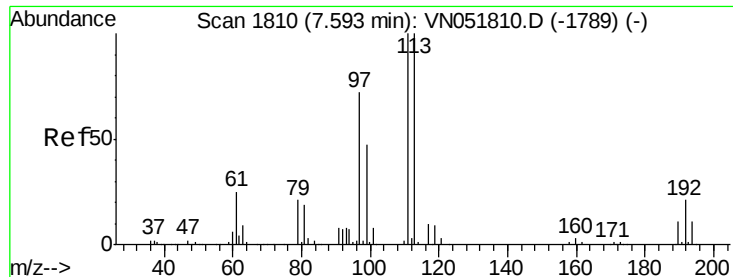
Tot Ion: 65 Resp: 472134
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

Tgt Ion: 114 Resp: 1249281
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 38.6
 88 14.0 0.0 30.6

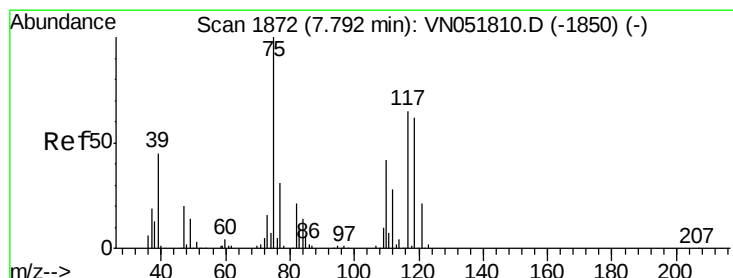
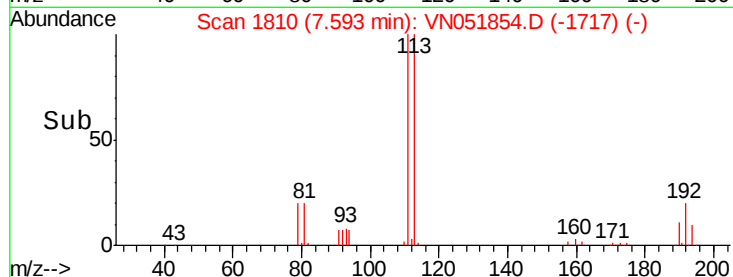
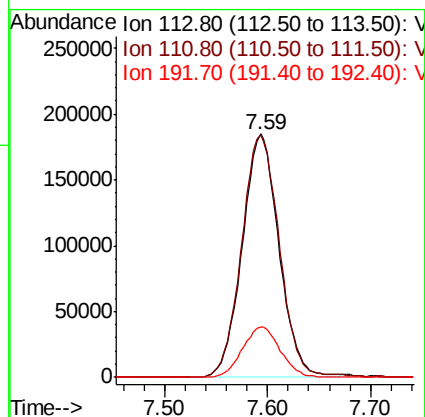
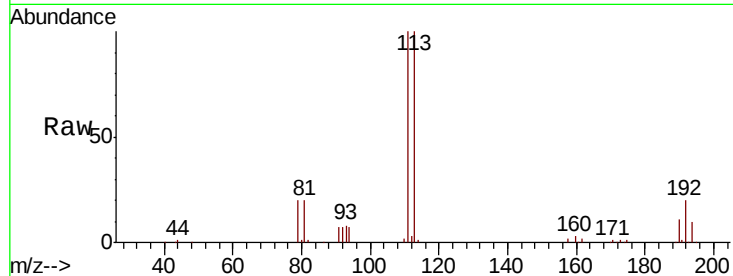




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

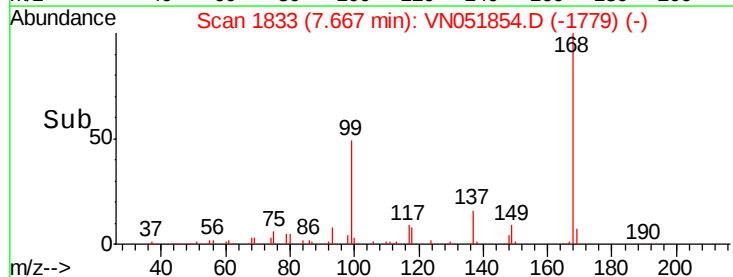
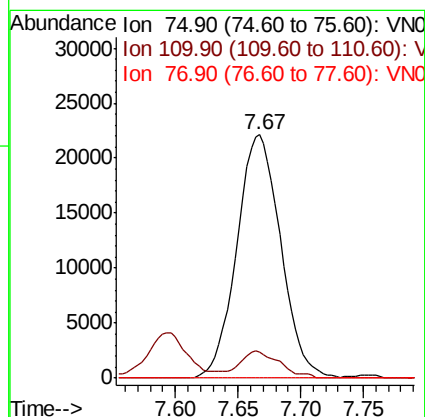
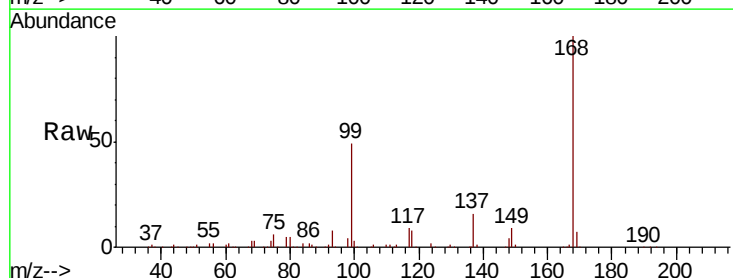
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#07

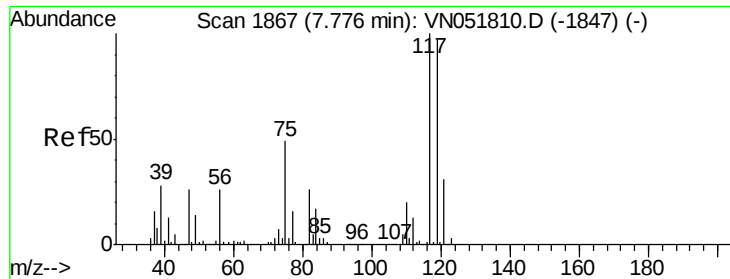
Tot Ion:113 Resp: 457881
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 21.3 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.318 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

Tgt Ion: 75 Resp: 53787
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.458 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#07

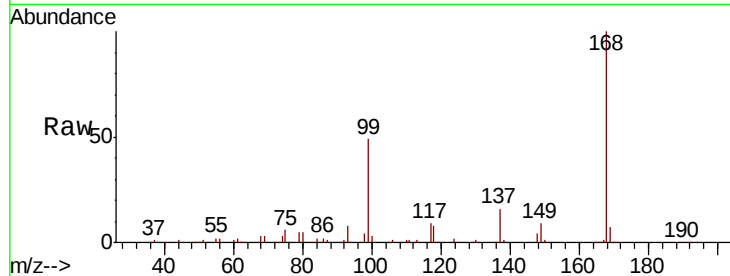
Tot Ion:117 Resp: 75716

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

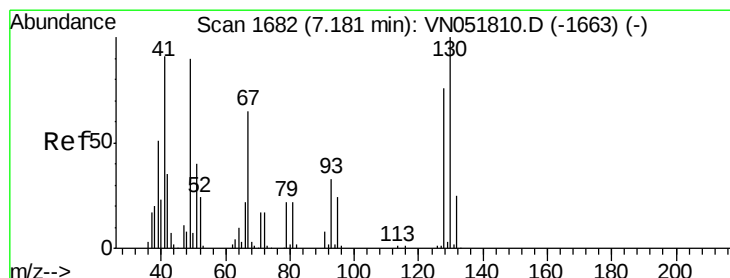
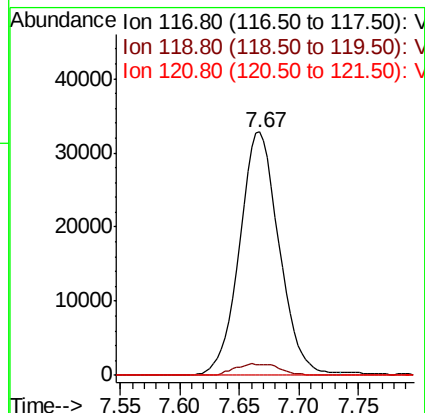
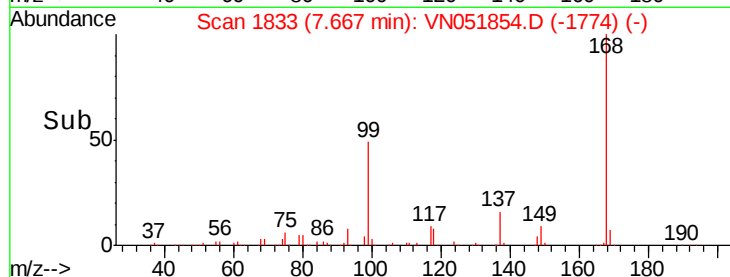
121 0.0 24.6 36.8#



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: 0.204 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.03 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Tgt Ion: 41 Resp: 510

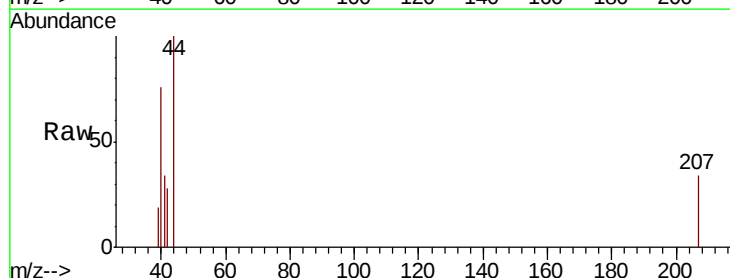
Ion Ratio Lower Upper

41 100

39 115.1 45.4 68.0#

67 0.0 70.6 106.0#

52 0.0 27.1 40.7#

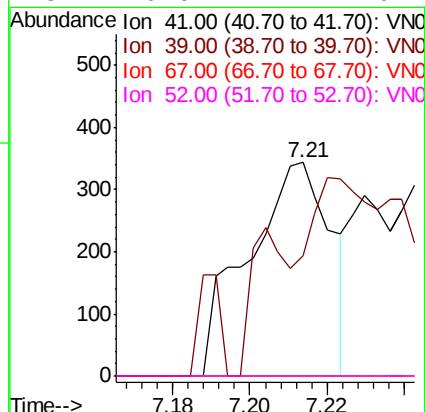
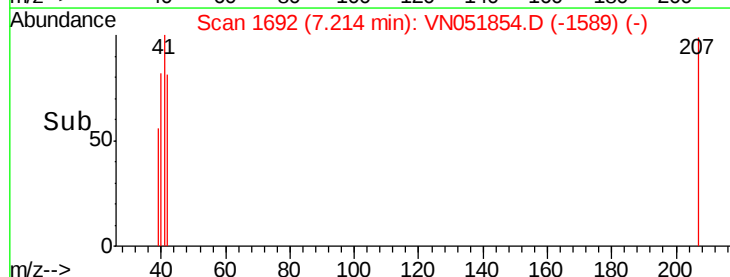


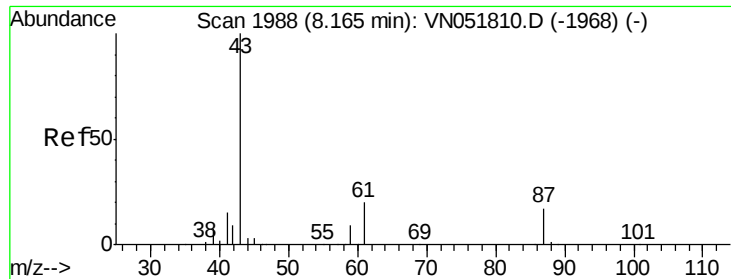
Abundance Ion 41.00 (40.70 to 41.70): VN0

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



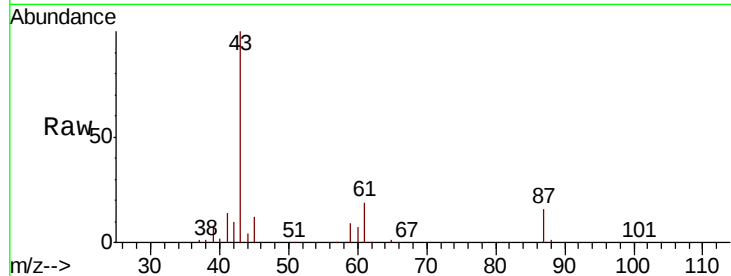


#43

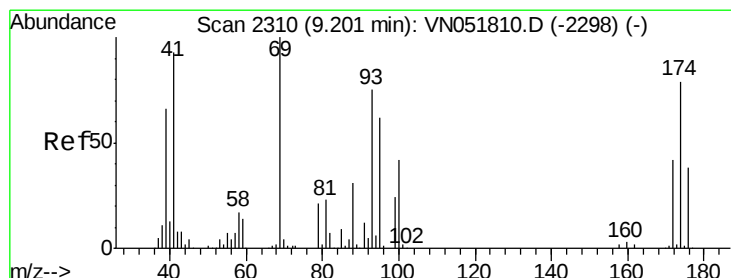
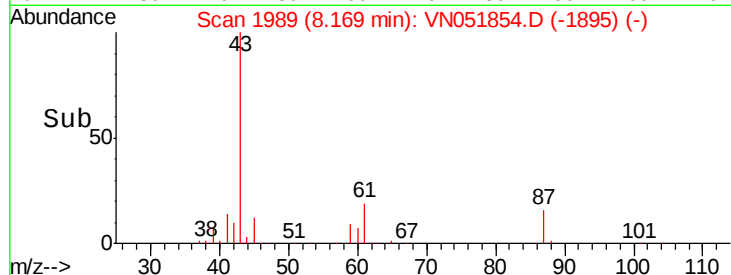
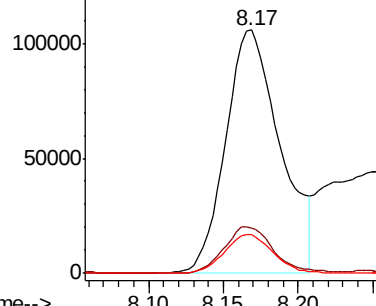
Isopropyl Acetate
 Concen: 25.597 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#07

Tot Ion: 43 Resp: 268006
 Ion Ratio Lower Upper
 43 100
 61 17.5 17.5 26.3#
 87 14.4 11.3 16.9



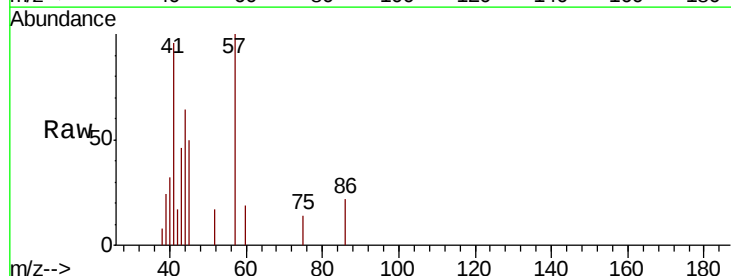
Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 61.00 (60.70 to 61.70): VNC
 Ion 87.00 (86.70 to 87.70): VNC



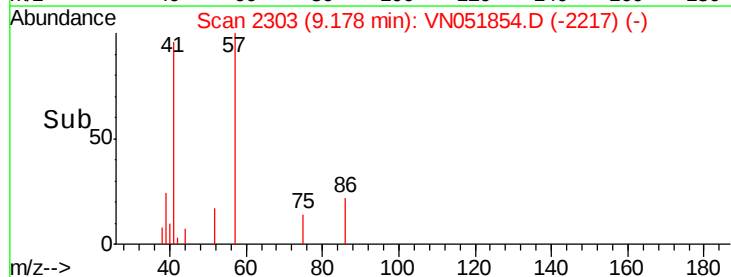
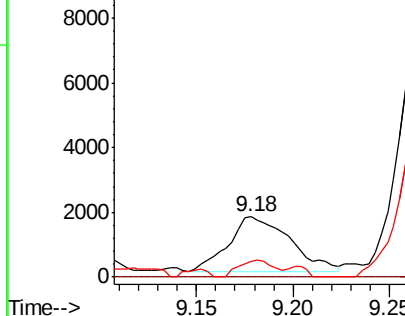
#48

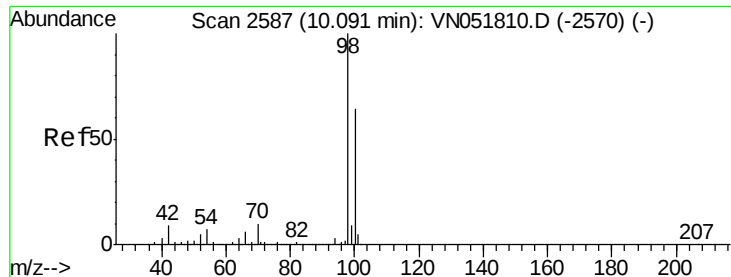
Methyl methacrylate
 Concen: 0.837 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

Tgt Ion: 41 Resp: 3873
 Ion Ratio Lower Upper
 41 100
 69 0.0 74.7 112.1#
 39 16.5 42.2 63.2#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

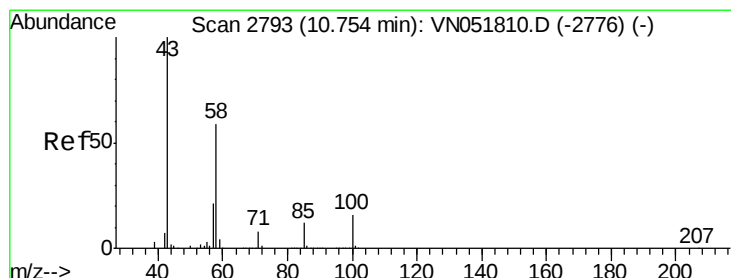
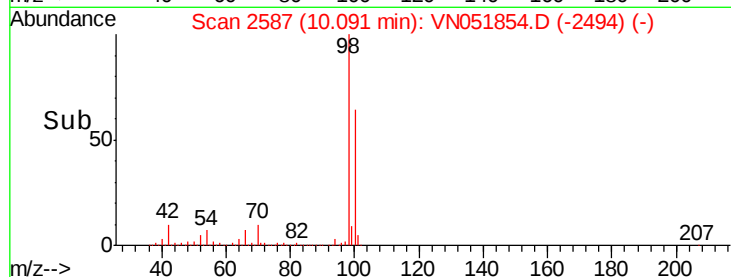
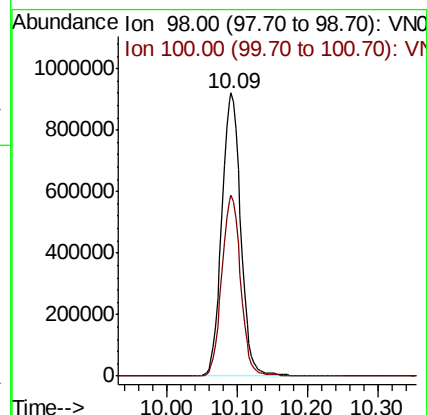
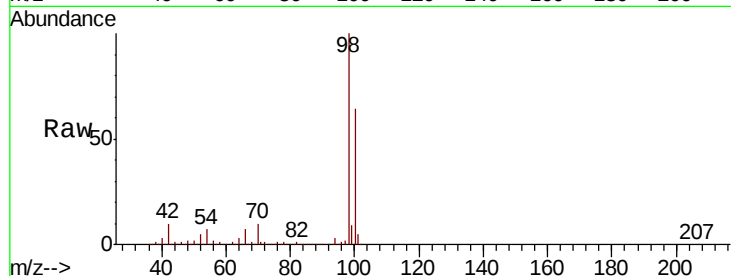
PB113779ZHE#07

Tot Ion: 98 Resp: 1723649

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



#59

2-Hexanone

Concen: 3.544 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051854.D

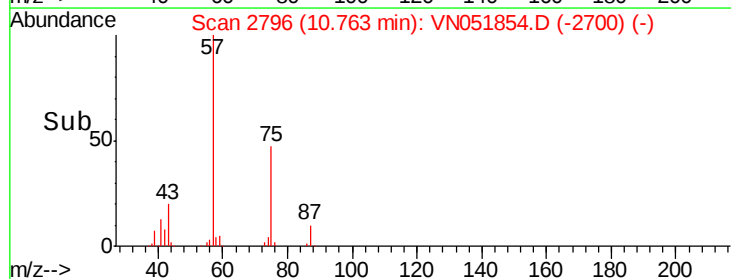
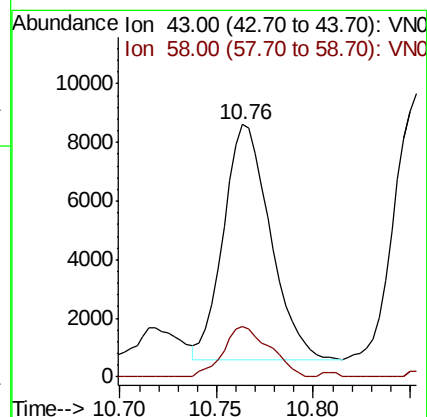
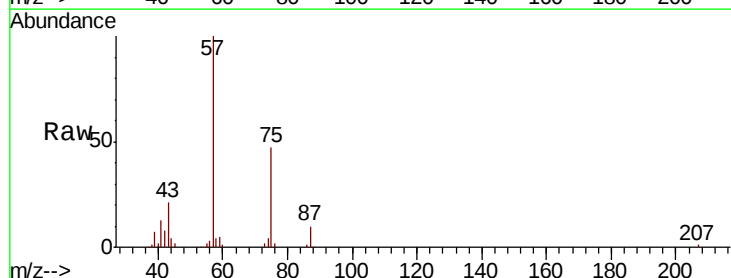
Acq: 13 Oct 2018 00:51

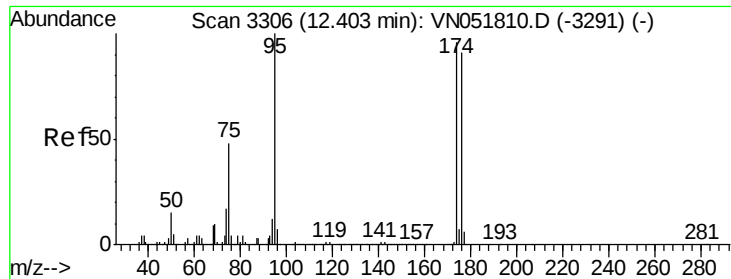
Tgt Ion: 43 Resp: 13417

Ion Ratio Lower Upper

43 100

58 21.4 28.3 85.0#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#07

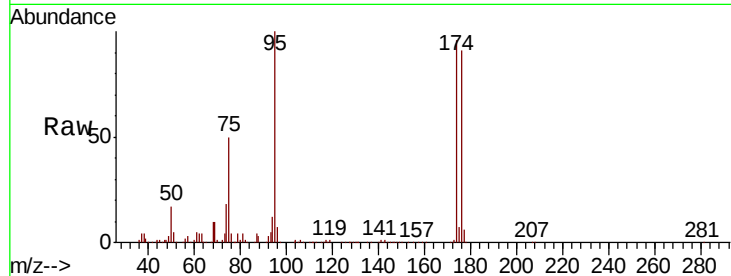
Tot Ion: 95 Resp: 495319

Ion Ratio Lower Upper

95 100

174 97.3 0.0 183.0

176 92.4 0.0 178.8

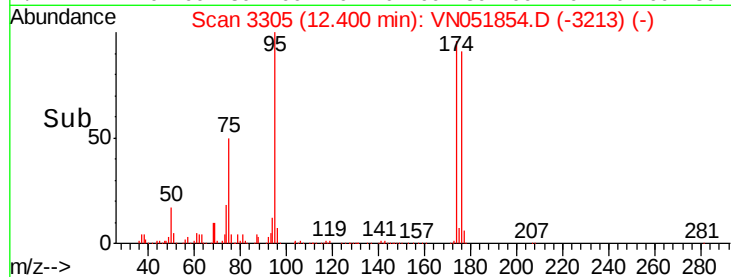


Abundance Ion 94.90 (94.60 to 95.60): VN051810.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051810.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051810.D (-3291) (-)

Time-->

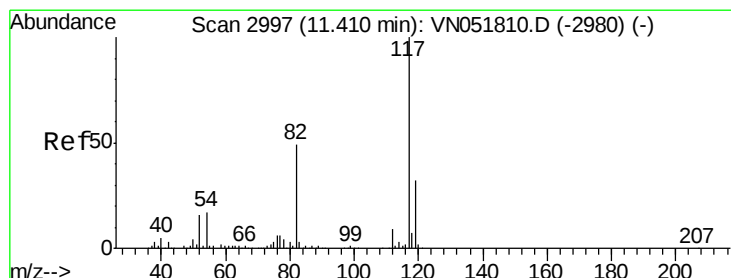


Abundance Ion 94.90 (94.60 to 95.60): VN051854.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN051854.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN051854.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

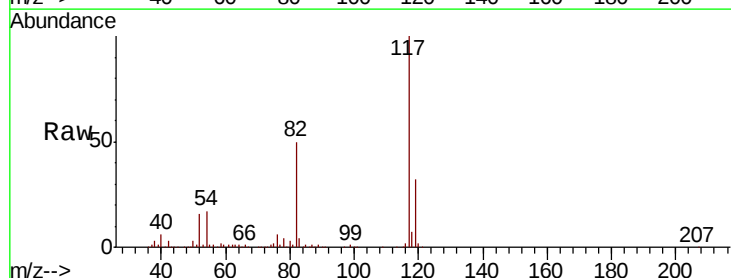
Tgt Ion: 117 Resp: 1098866

Ion Ratio Lower Upper

117 100

82 50.2 42.6 64.0

119 32.1 25.8 38.6

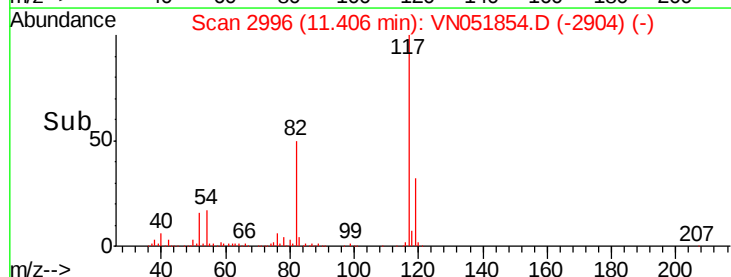


Abundance Ion 116.90 (116.60 to 117.60): VN051810.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051810.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051810.D (-2980) (-)

Time-->

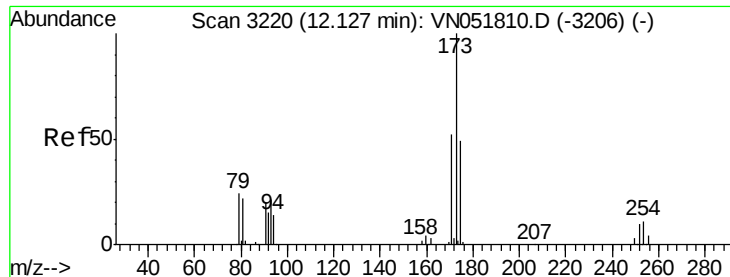


Abundance Ion 116.90 (116.60 to 117.60): VN051854.D (-2904) (-)

Ion 82.00 (81.70 to 82.70): VN051854.D (-2904) (-)

Ion 118.90 (118.60 to 119.60): VN051854.D (-2904) (-)

Time-->



#71

Bromoform

Concen: 4.127 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

PB113779ZHE#07

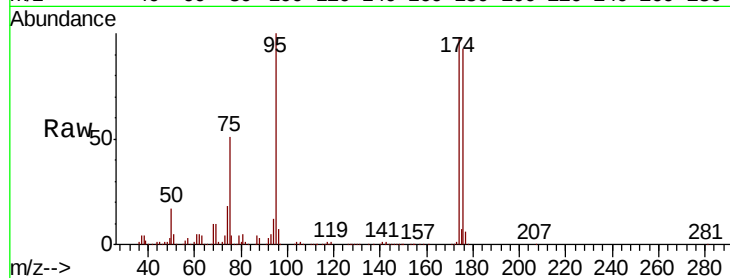
Tot Ion:173 Resp: 3939

Ion Ratio Lower Upper

173 100

175 750.6 24.4 73.4#

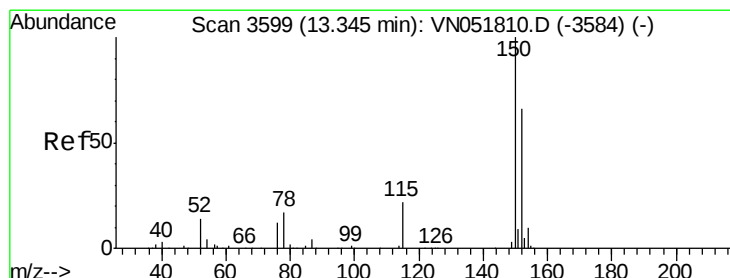
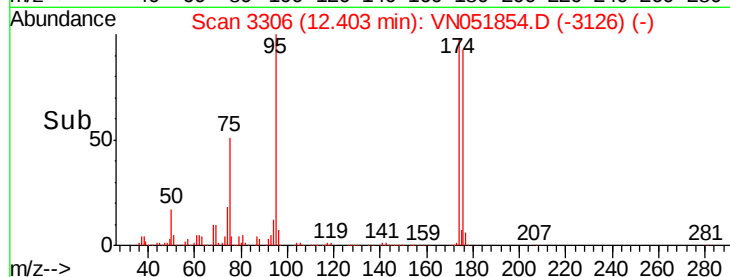
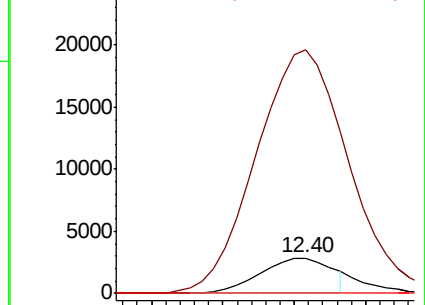
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

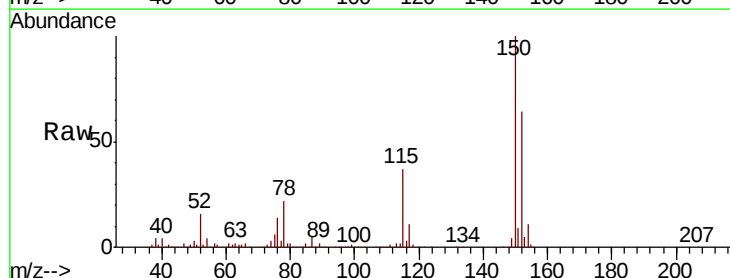
Tgt Ion:152 Resp: 406477

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

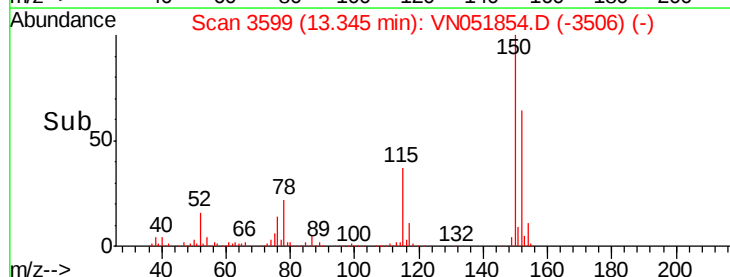
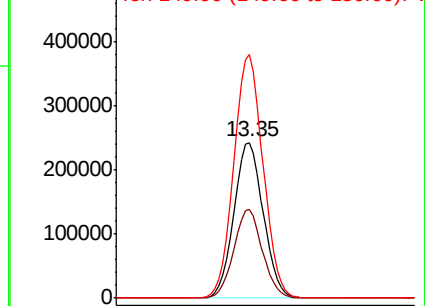
150 155.8 0.0 351.4

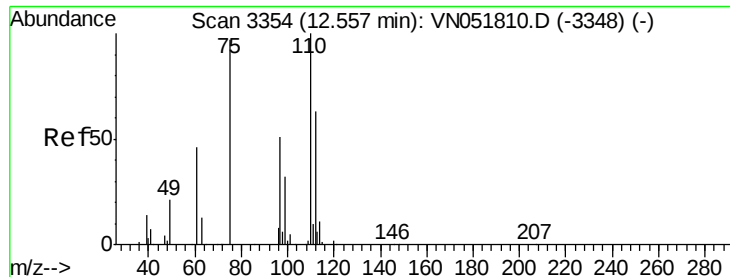


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.237 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA_N

ClientSampleId :

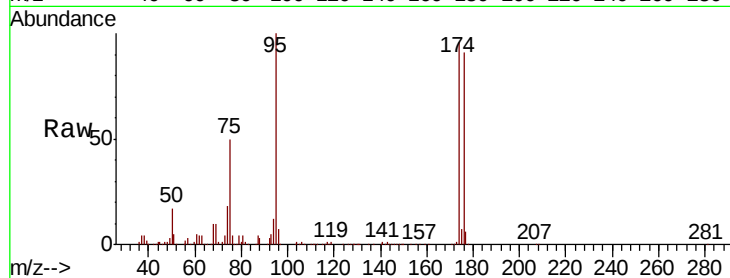
PB113779ZHE#07

Tot Ion: 75 Resp: 251932

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

150000

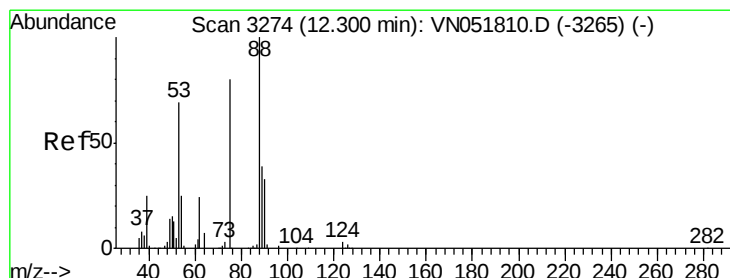
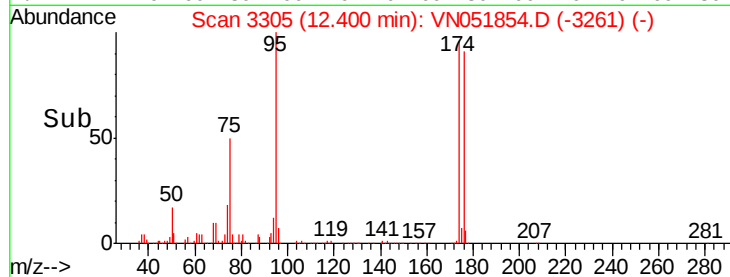
100000

50000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 142.726 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

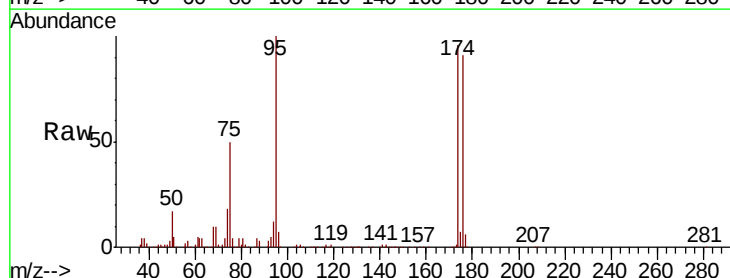
Tgt Ion: 75 Resp: 251932

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

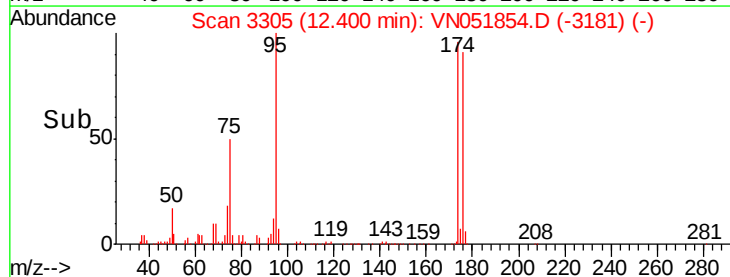
100000

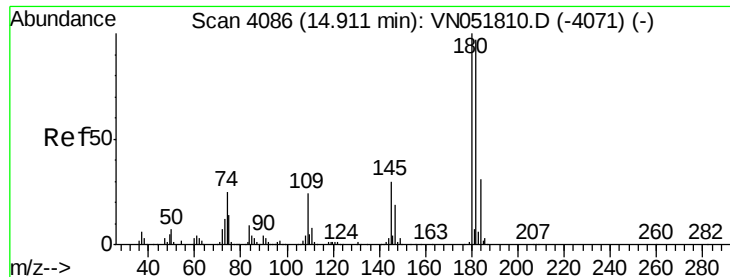
50000

0

12.35 12.40 12.45

Time-->

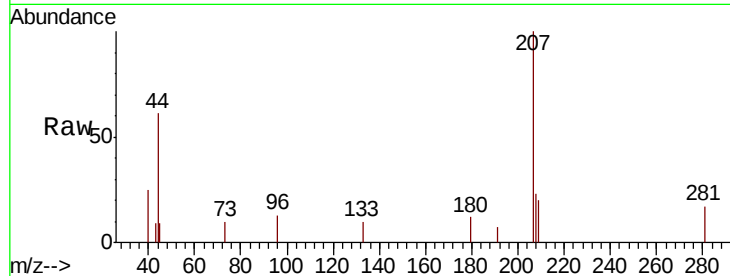




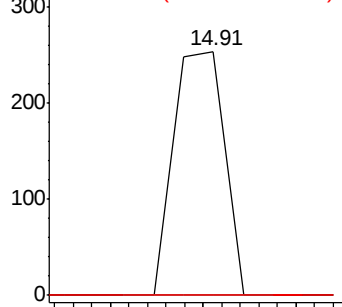
#93
 1,2,4-Trichlorobenzene
 Concen: 3.667 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113779ZHE#07

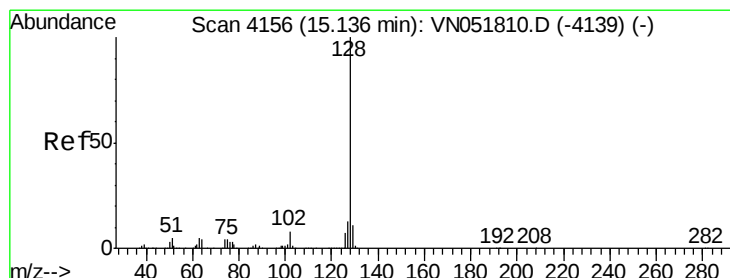
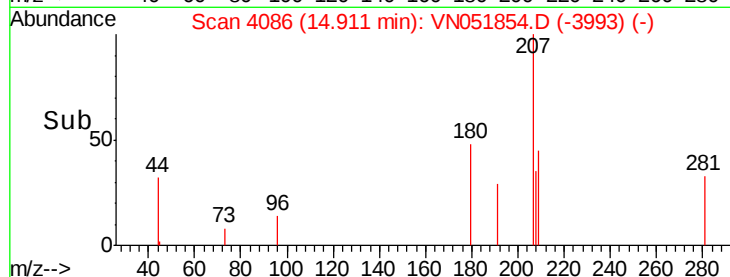
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.2	144.6#
145	0.0	14.1	42.2#



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

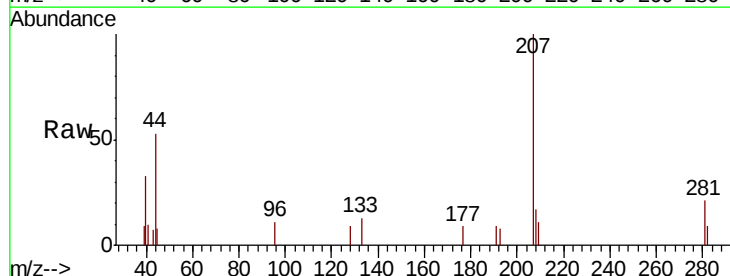


Time-->

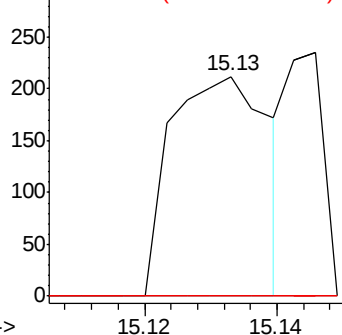


#95
 Naphthalene
 Concen: 4.409 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN051854.D
 Acq: 13 Oct 2018 00:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#



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



Time-->

