

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051593.D
 Acq On : 27 Sep 2018 19:43
 Operator : MD\SY
 Sample : PB113263ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113263ZHE#05

Quant Time: Sep 28 01:53:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	626114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1038070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	878601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317709	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	453503	57.82	ug/l	0.00
Spiked Amount			Recovery	=	115.64%	
35) Dibromofluoromethane	7.59	113	398309	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	10.09	98	1446286	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	12.40	95	393903	38.95	ug/l	0.00
Spiked Amount			Recovery	=	77.90%	

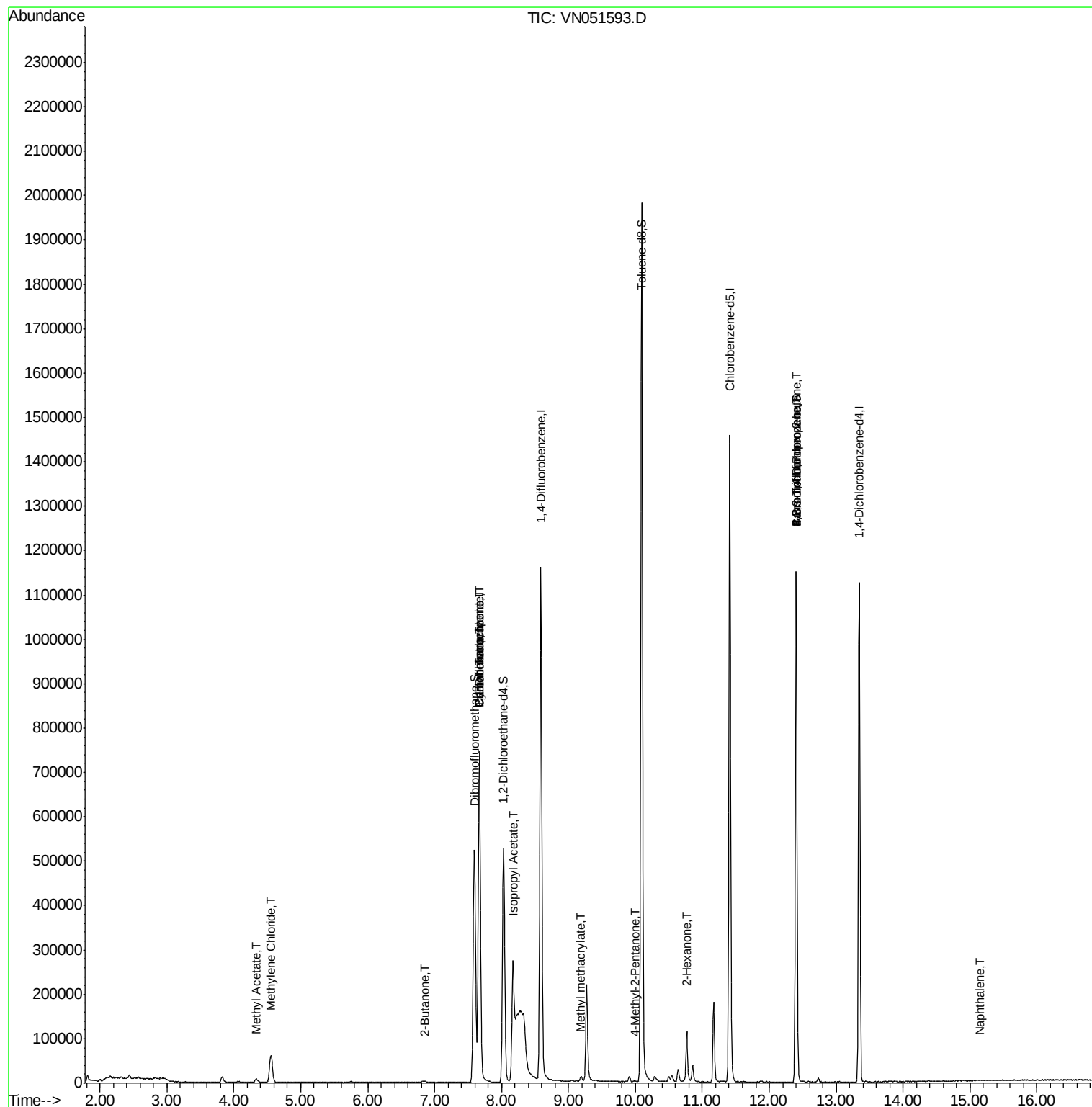
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	19603	Below Cal		98
18) Methyl Acetate	4.34	43	14294	2.393	ug/l	95
20) Methylene Chloride	4.56	84	46836	6.035	ug/l	98
25) 2-Butanone	6.85	43	3765	1.402	ug/l #	74
31) Cyclohexane	7.67	56	11715	0.949	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46716	3.886	ug/l #	47
38) Carbon Tetrachloride	7.67	117	57789	4.596	ug/l #	16
43) Isopropyl Acetate	8.17	43	342495	27.404	ug/l #	90
48) Methyl methacrylate	9.18	41	6564	1.053	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	1948	0.283	ug/l	99
59) 2-Hexanone	10.77	43	14583	3.273	ug/l	64
71) Bromoform	12.40	173	4867	0.835	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	194092	36.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	194092	113.159	ug/l #	12
95) Naphthalene	15.14	128	66	8.049	ug/l #	69

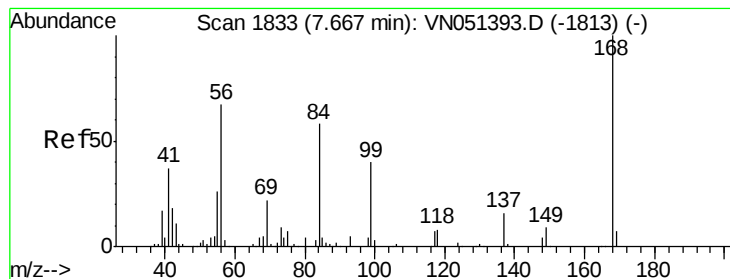
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

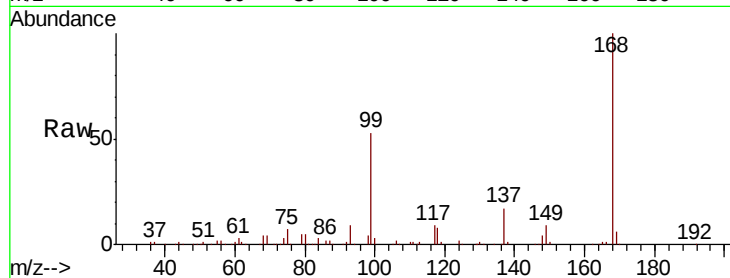
PB113263ZHE#05

Tot Ion:168 Resp: 626114

Ion Ratio Lower Upper

168 100

99 52.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051593.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051593.D (-1813) (-)

7.67

250000

200000

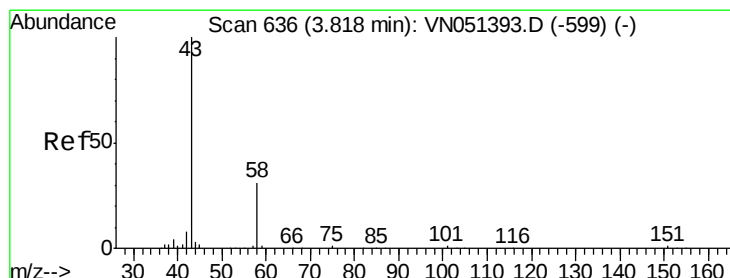
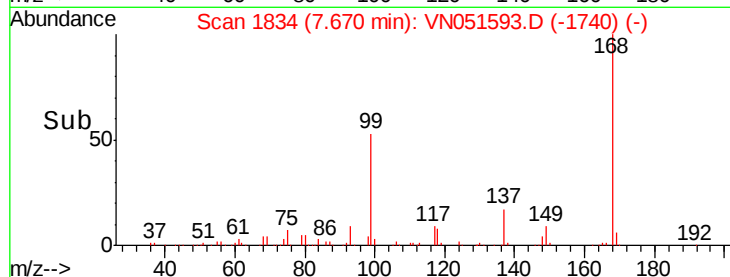
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051593.D

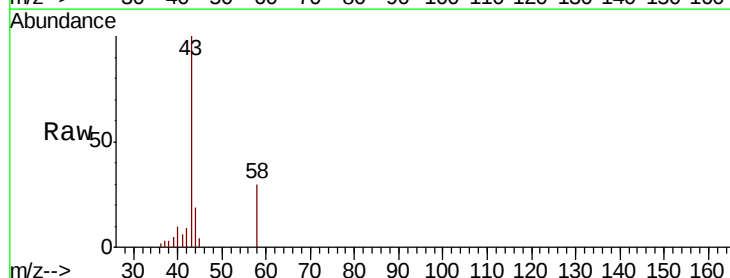
Acq: 27 Sep 2018 19:43

Tgt Ion: 43 Resp: 19603

Ion Ratio Lower Upper

43 100

58 30.3 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051593.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051593.D (-599) (-)

3.82

8000

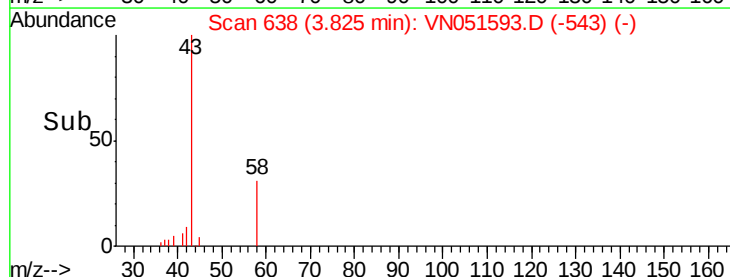
6000

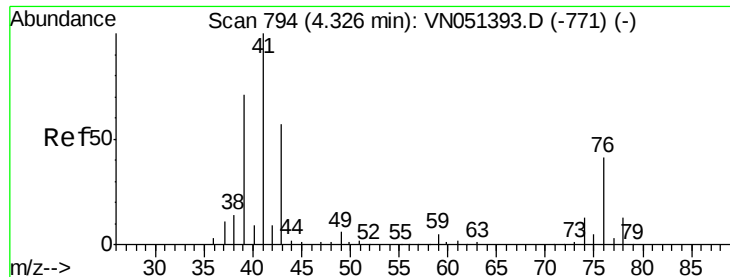
4000

2000

0

Time-->

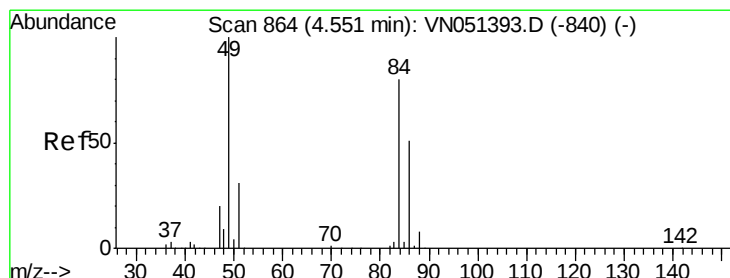
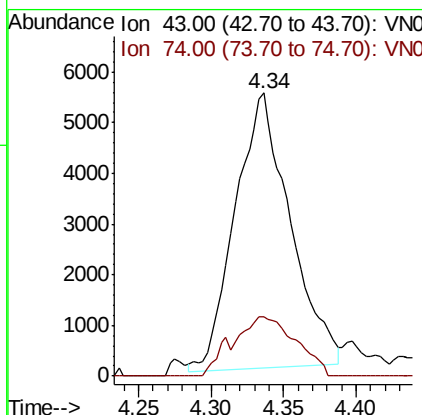
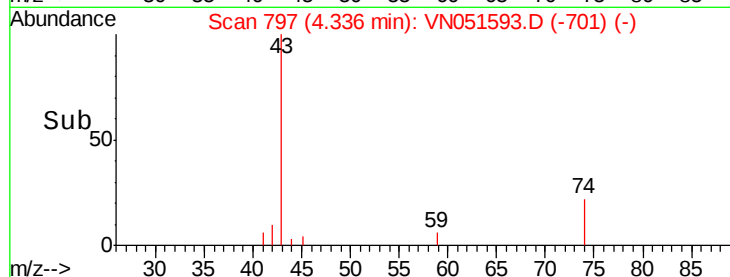
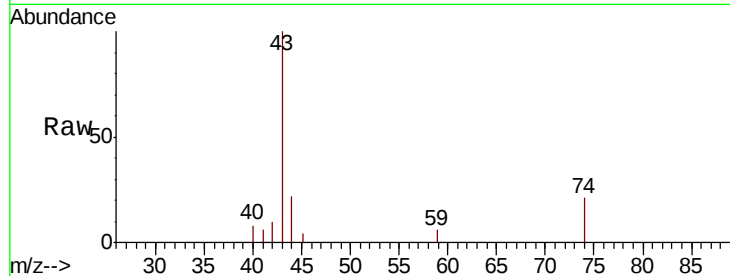




#18
Methyl Acetate
Concen: 2.393 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051593.D
Acq: 27 Sep 2018 19:43

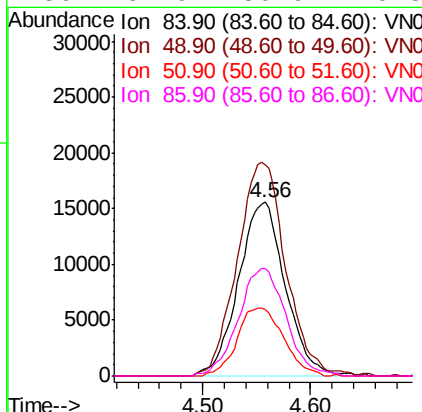
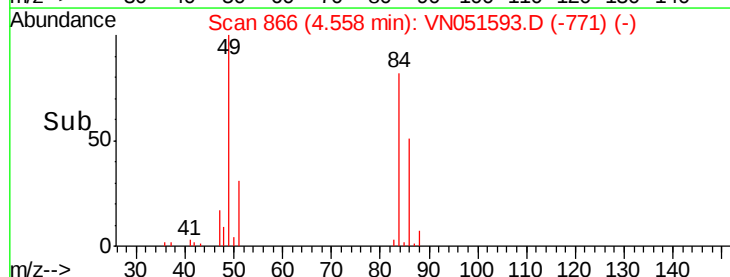
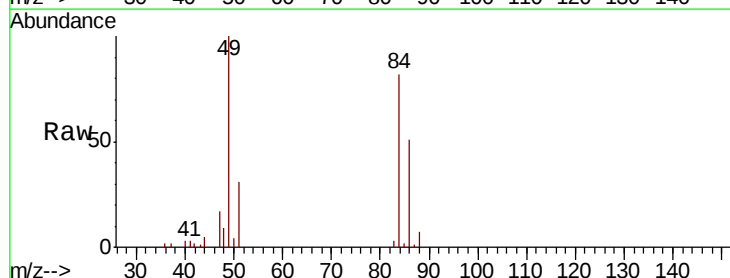
Instrument :
MSVOA_N
ClientSampleId :
PB113263ZHE#05

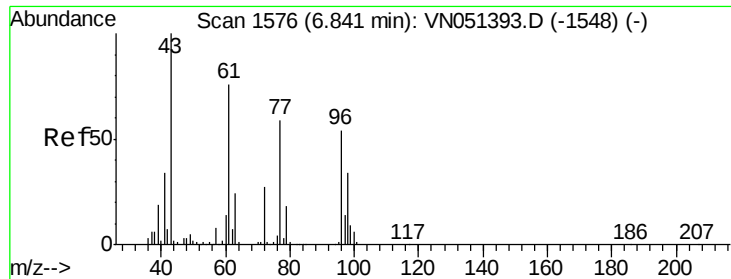
Tot Ion: 43 Resp: 14294
Ion Ratio Lower Upper
43 100
74 21.3 18.8 28.2



#20
Methylene Chloride
Concen: 6.035 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051593.D
Acq: 27 Sep 2018 19:43

Tgt Ion: 84 Resp: 46836
Ion Ratio Lower Upper
84 100
49 121.7 99.9 149.9
51 38.2 31.4 47.2
86 61.9 50.9 76.3





#25

2-Butanone

Concen: 1.402 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

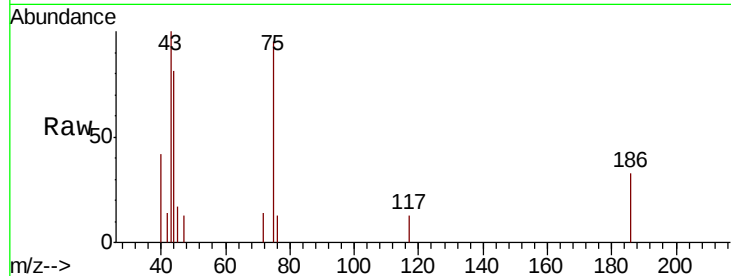
PB113263ZHE#05

Tot Ion: 43 Resp: 3765

Ion Ratio Lower Upper

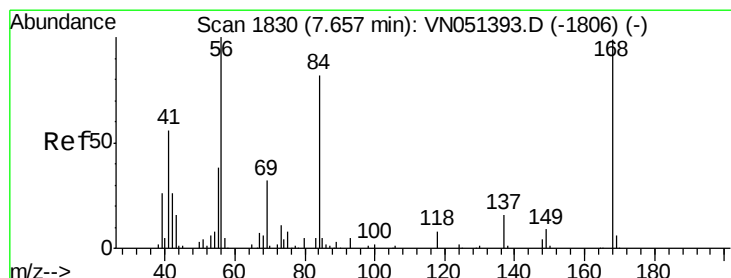
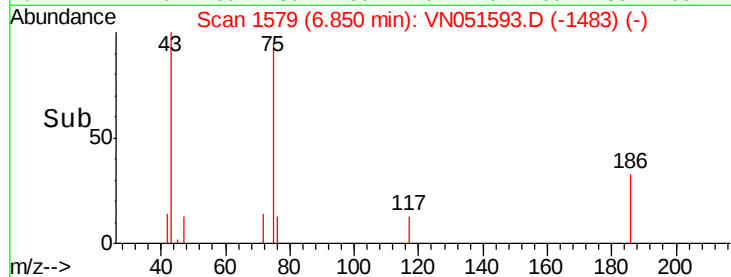
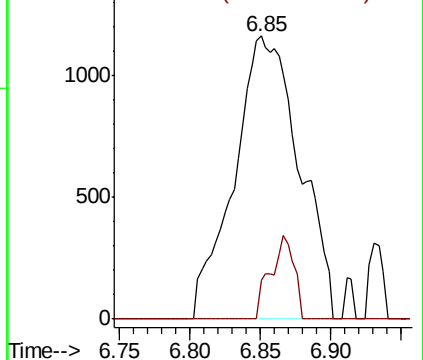
43 100

72 13.6 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.949 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

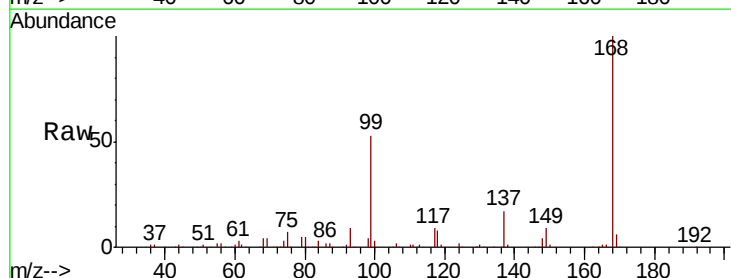
Tgt Ion: 56 Resp: 11715

Ion Ratio Lower Upper

56 100

69 204.3 25.8 38.6#

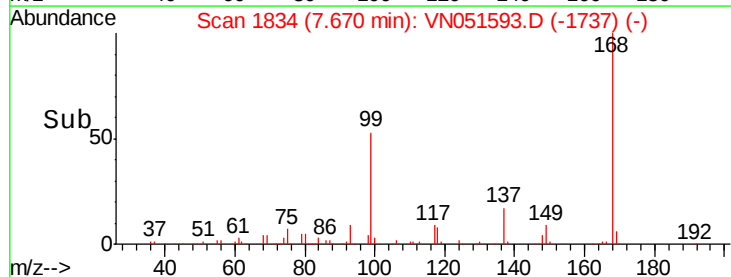
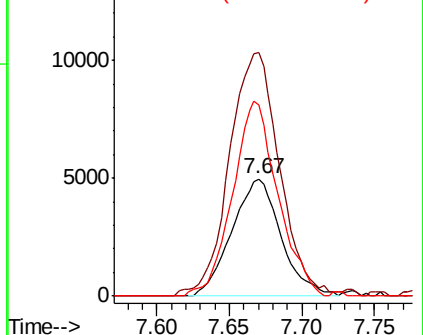
84 159.5 66.0 99.0#

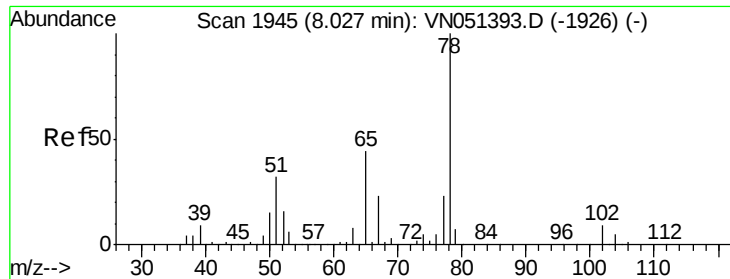


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 57.821 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

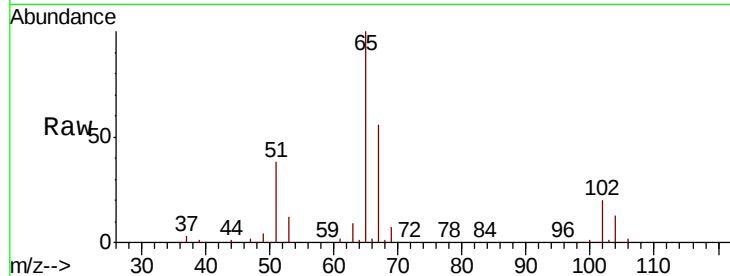
PB113263ZHE#05

Tot Ion: 65 Resp: 453503

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

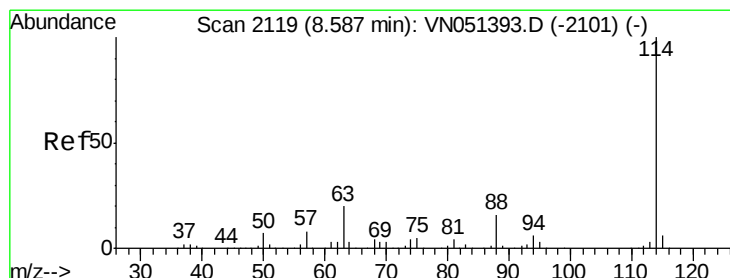
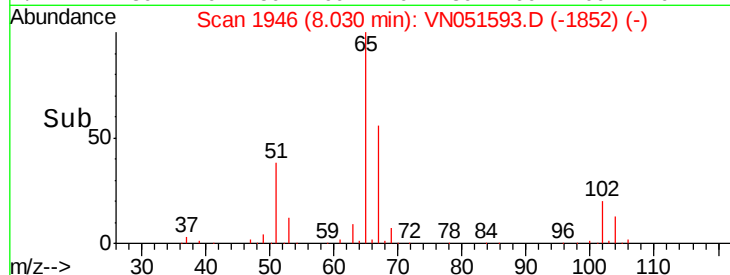
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

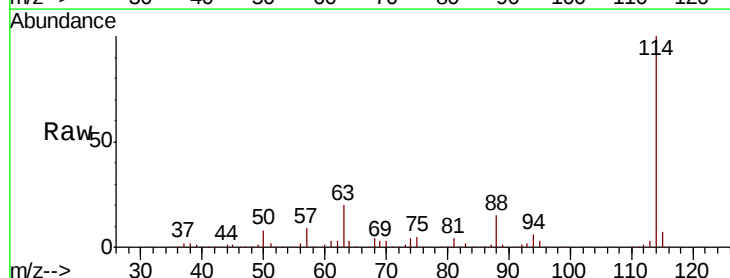
Tgt Ion: 114 Resp: 1038070

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

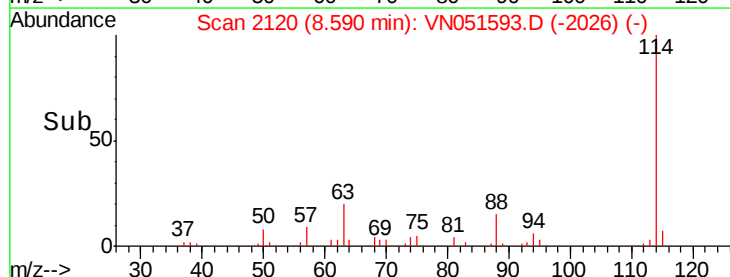
600000

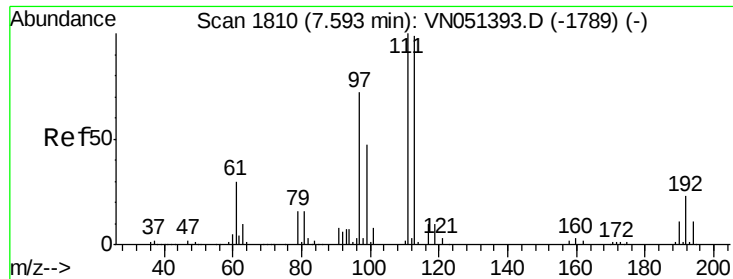
400000

200000

0

Time--> 8.50 8.60 8.70

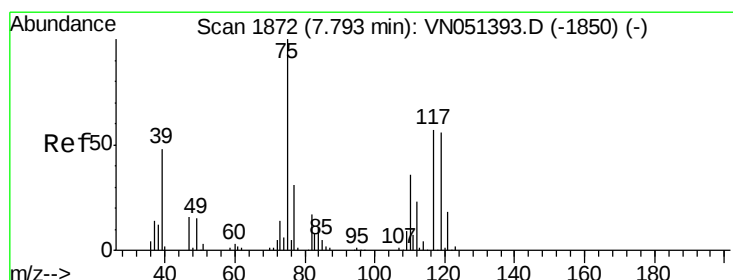
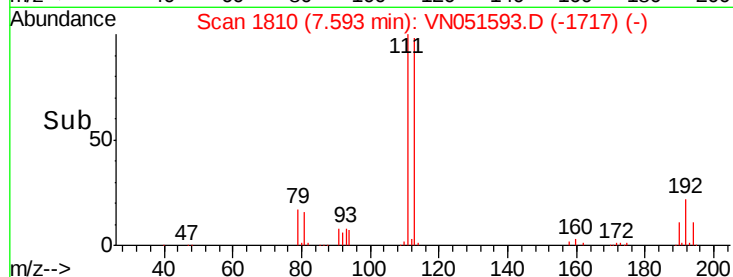
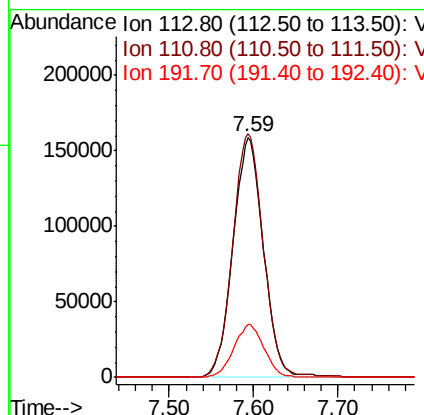
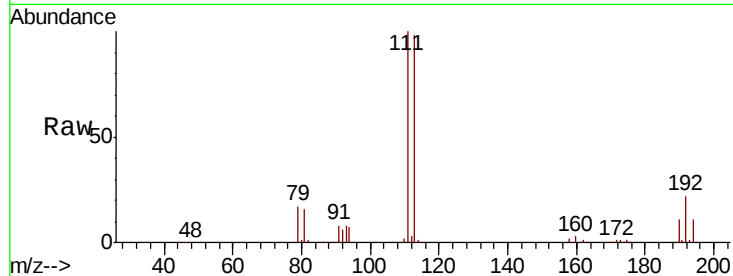




#35
 Dibromofluoromethane
 Concen: 47.983 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051593.D
 Acq: 27 Sep 2018 19:43

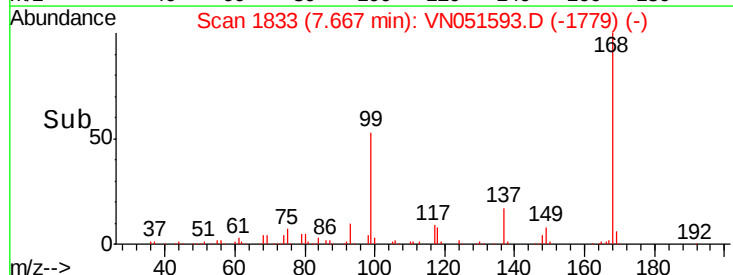
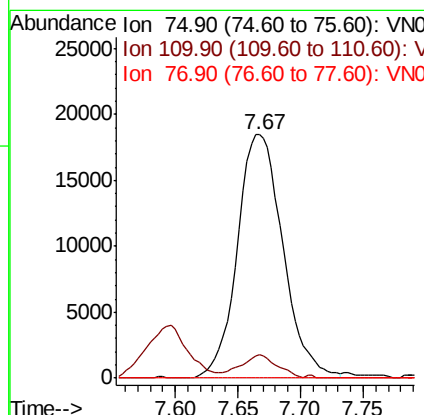
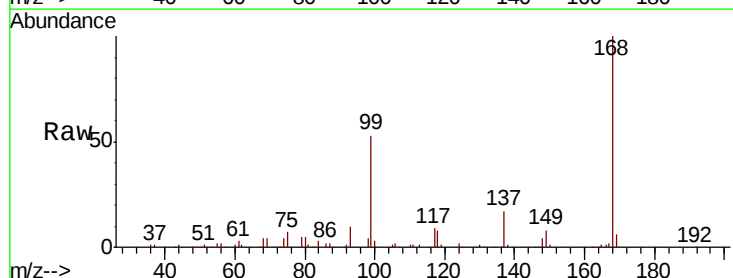
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113263ZHE#05

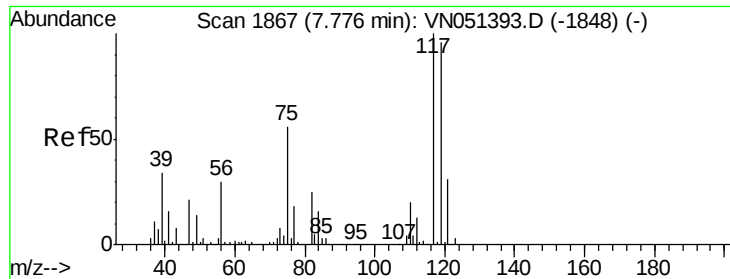
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	22.0	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.886 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051593.D
 Acq: 27 Sep 2018 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.596 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#05

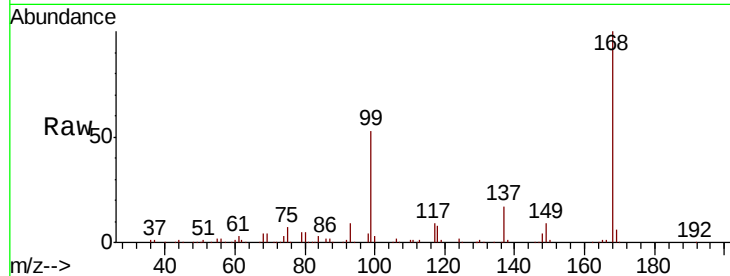
Tot Ion:117 Resp: 57789

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

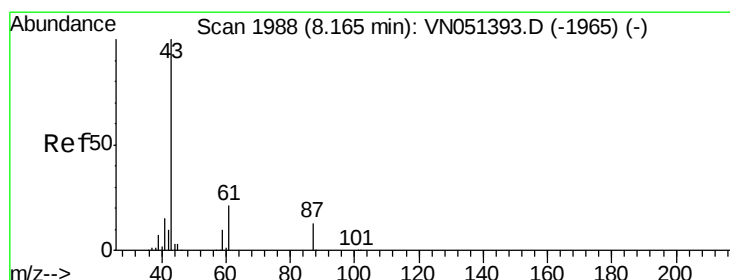
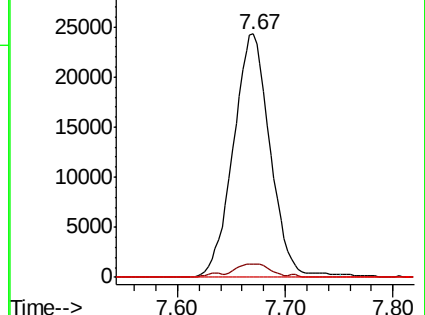
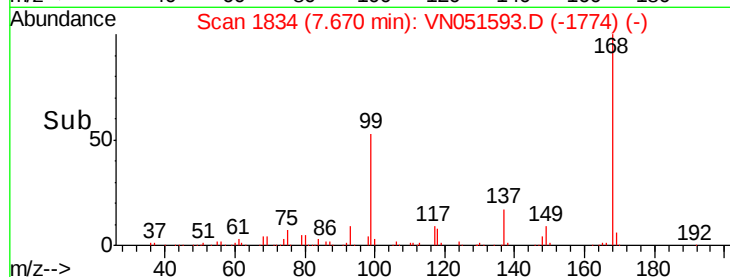
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 27.404 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

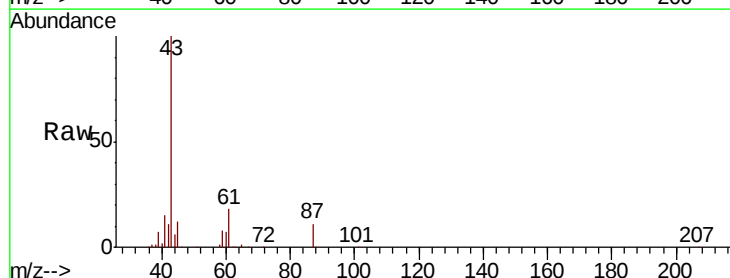
Tgt Ion: 43 Resp: 342495

Ion Ratio Lower Upper

43 100

61 16.0 16.8 25.2#

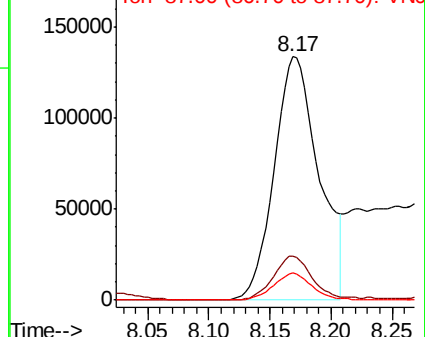
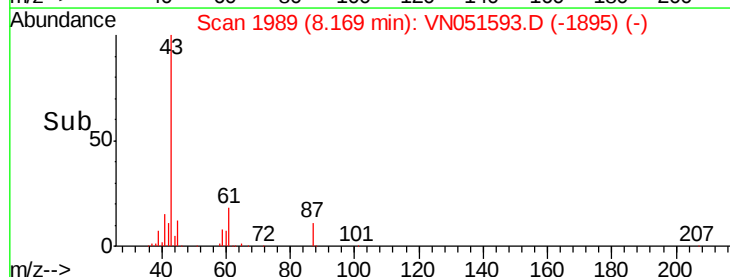
87 9.6 10.7 16.1#

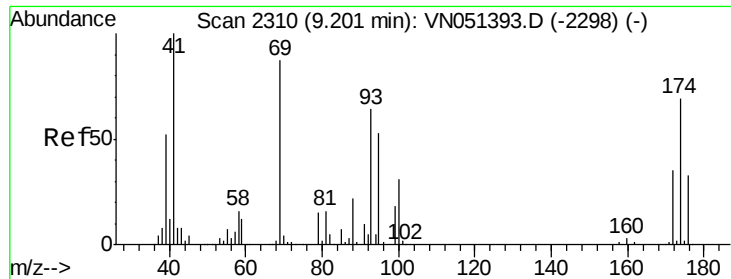


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

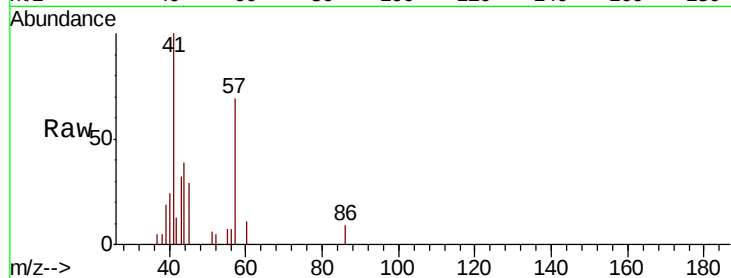




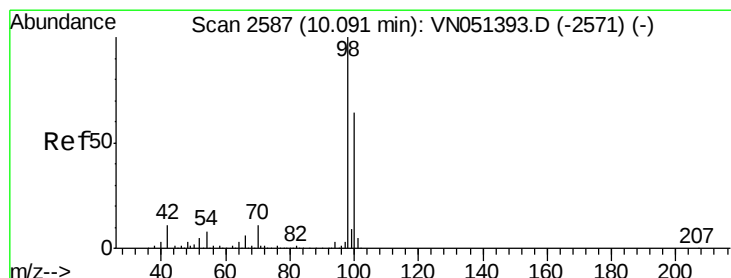
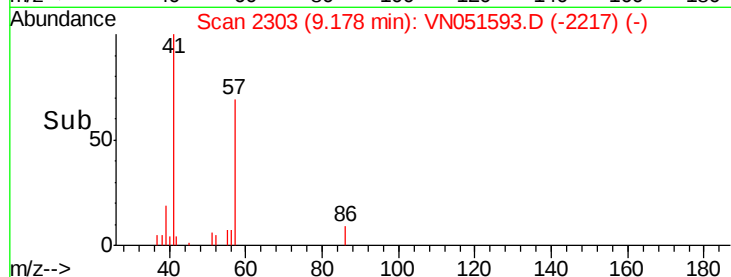
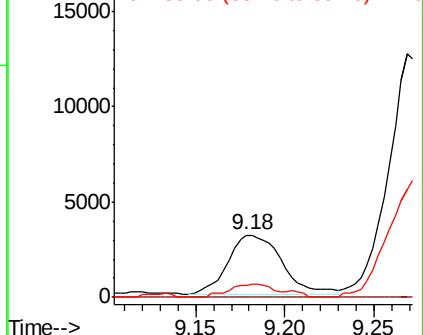
#48
Methyl methacrylate
Concen: 1.053 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN051593.D
Acq: 27 Sep 2018 19:43

Instrument :
MSVOA_N
ClientSampleId :
PB113263ZHE#05

Tot Ion: 41 Resp: 6564
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 17.9 43.8 65.8#

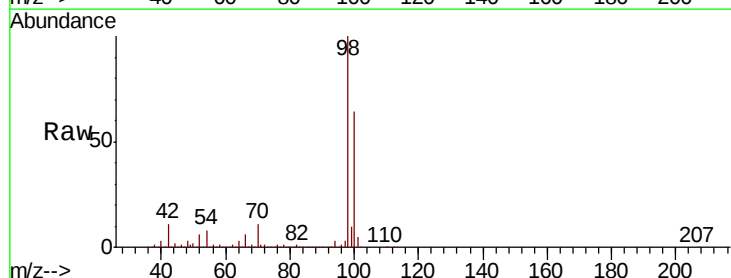


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

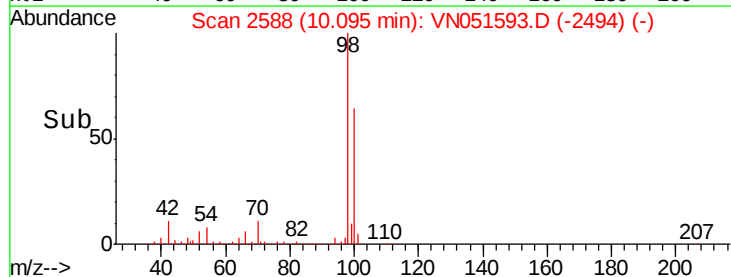
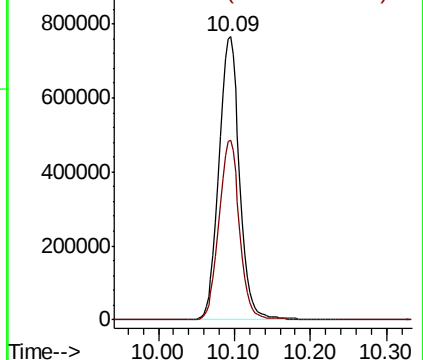


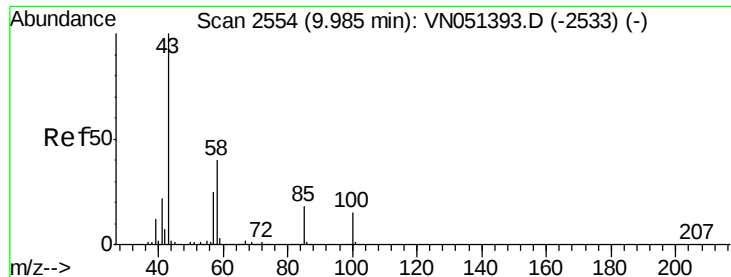
#50
Toluene-d8
Concen: 46.269 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051593.D
Acq: 27 Sep 2018 19:43

Tgt Ion: 98 Resp: 1446286
Ion Ratio Lower Upper
98 100
100 63.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

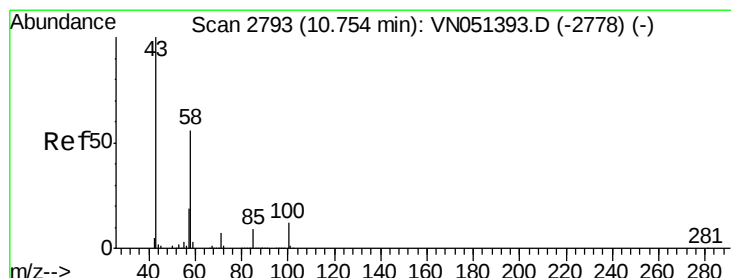
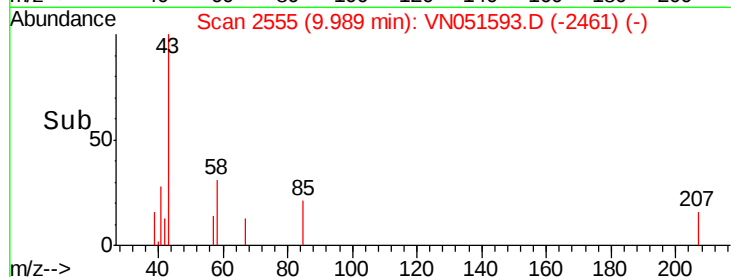
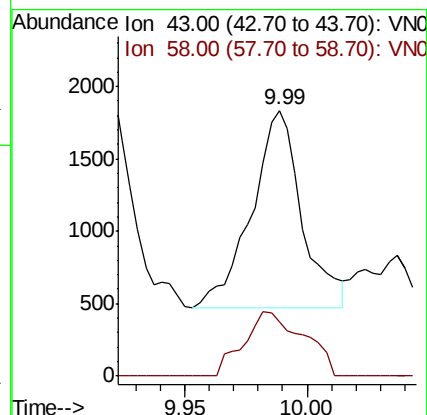
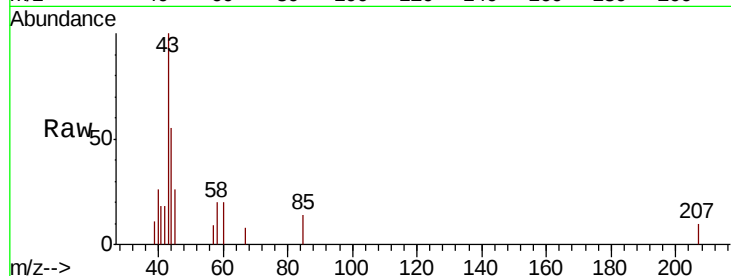




#51
 4-Methyl-2-Pentanone
 Concen: 0.283 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051593.D
 Acq: 27 Sep 2018 19:43

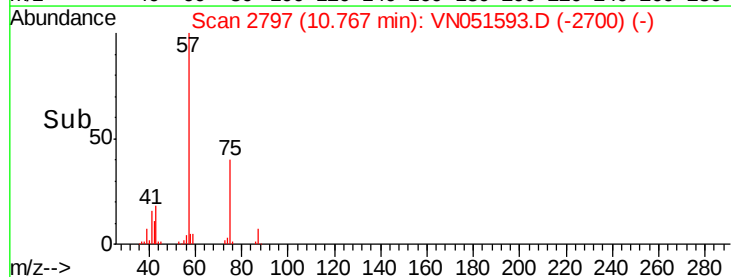
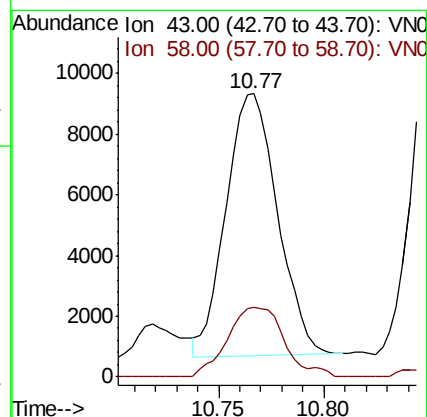
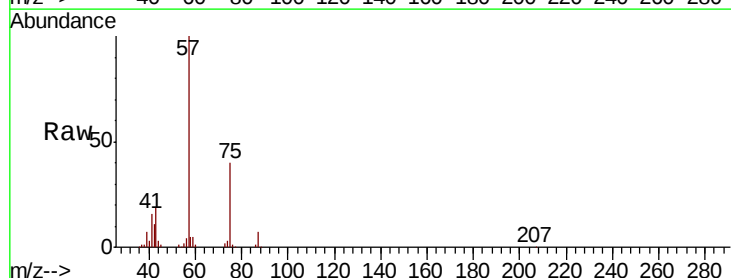
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113263ZHE#05

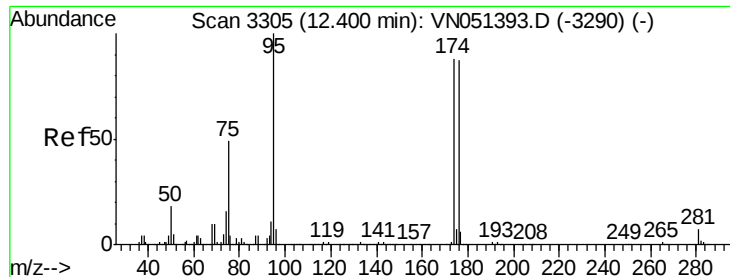
Tot Ion: 43 Resp: 1948
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3



#59
 2-Hexanone
 Concen: 3.273 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051593.D
 Acq: 27 Sep 2018 19:43

Tgt Ion: 43 Resp: 14583
 Ion Ratio Lower Upper
 43 100
 58 29.5 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 38.954 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#05

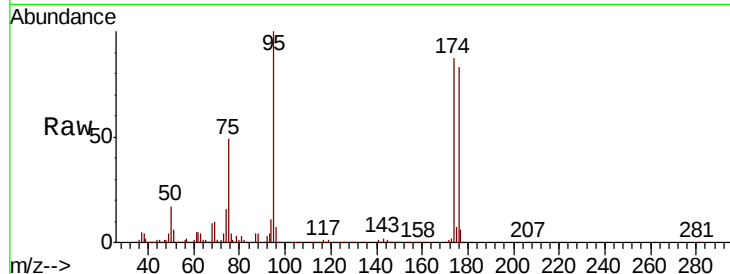
Tot Ion: 95 Resp: 393903

Ion Ratio Lower Upper

95 100

174 88.4 0.0 181.6

176 84.6 0.0 176.4

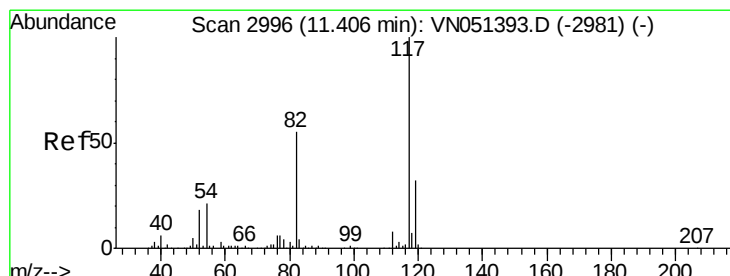
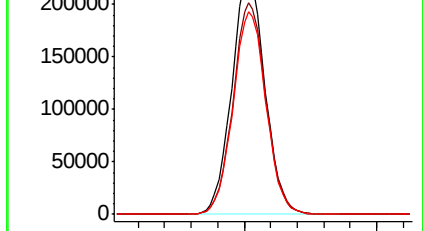
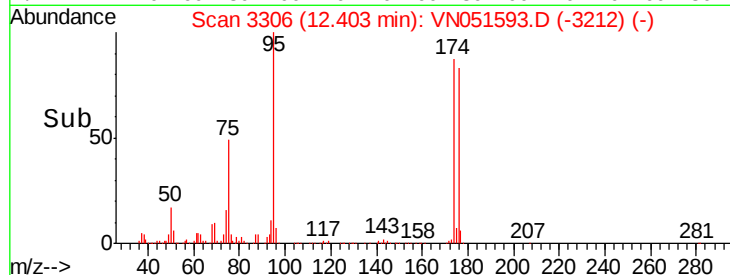


Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

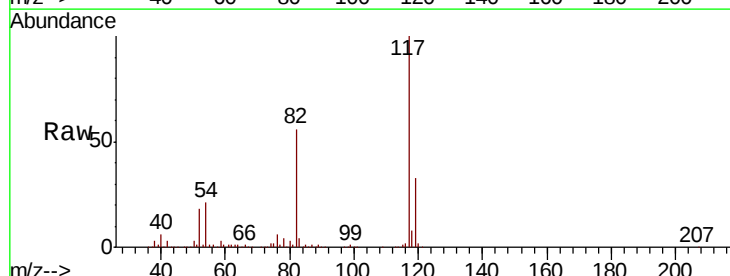
Tgt Ion: 117 Resp: 878601

Ion Ratio Lower Upper

117 100

82 56.0 44.2 66.2

119 32.5 25.9 38.9

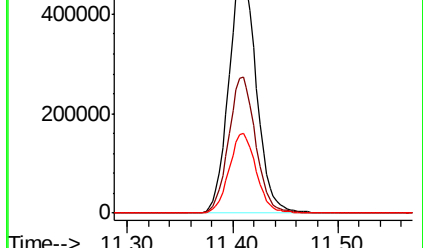
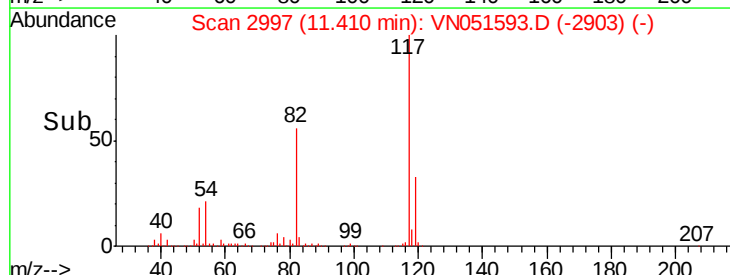


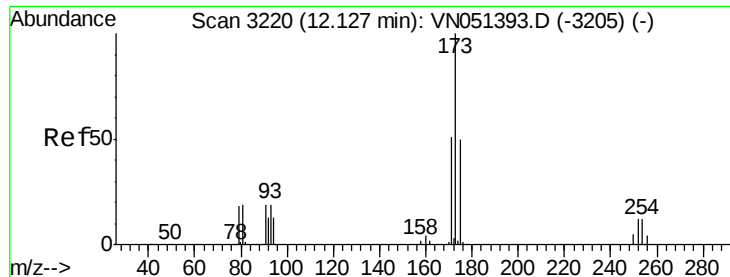
Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)

Time-->





#71

Bromoform

Concen: 0.835 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#05

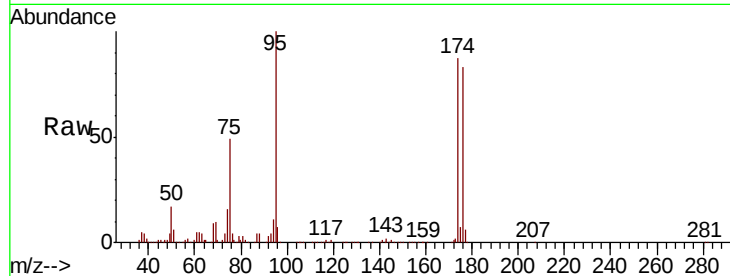
Tot Ion:173 Resp: 4867

Ion Ratio Lower Upper

173 100

175 441.1 24.8 74.3#

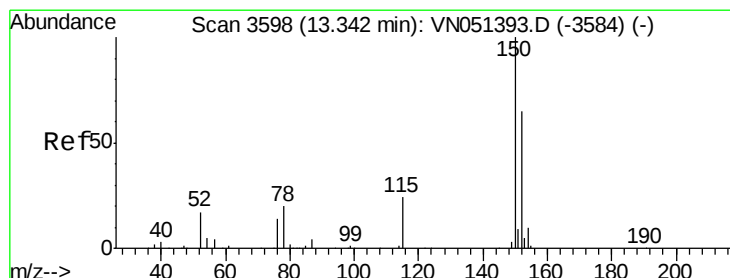
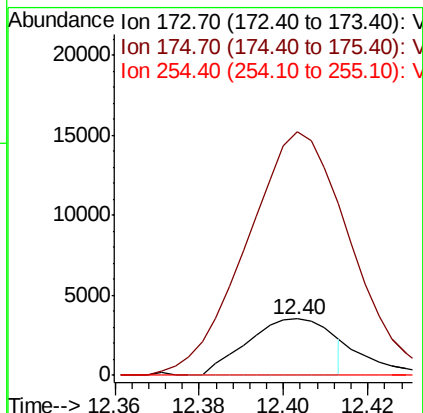
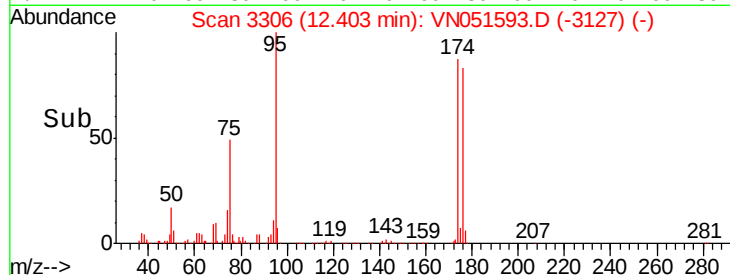
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

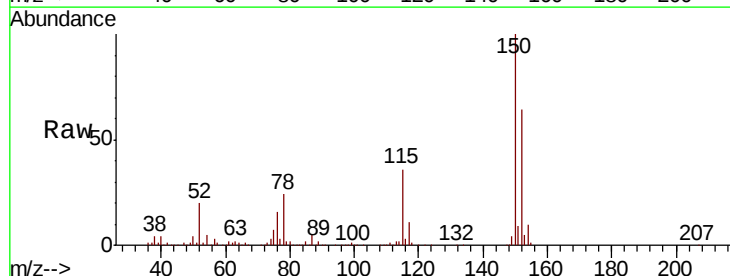
Tgt Ion:152 Resp: 317709

Ion Ratio Lower Upper

152 100

115 56.4 28.3 84.9

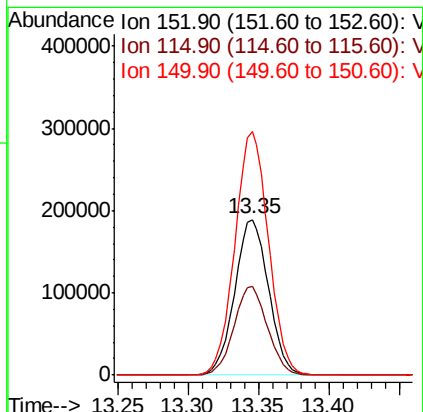
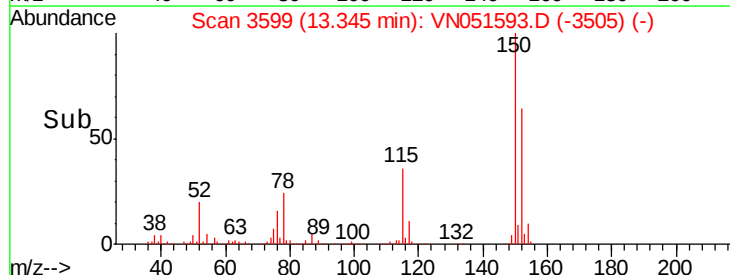
150 155.2 0.0 353.6

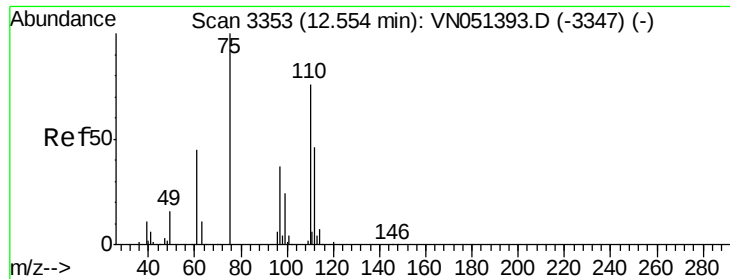


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.800 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

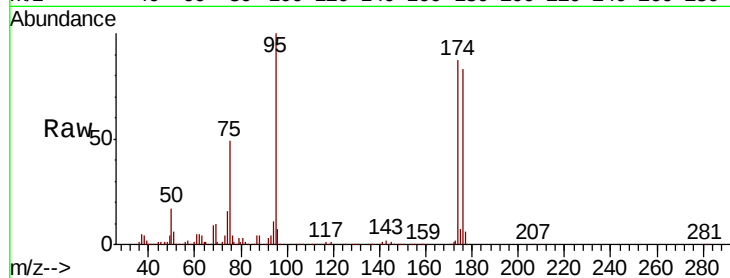
PB113263ZHE#05

Tot Ion: 75 Resp: 194092

Ion Ratio Lower Upper

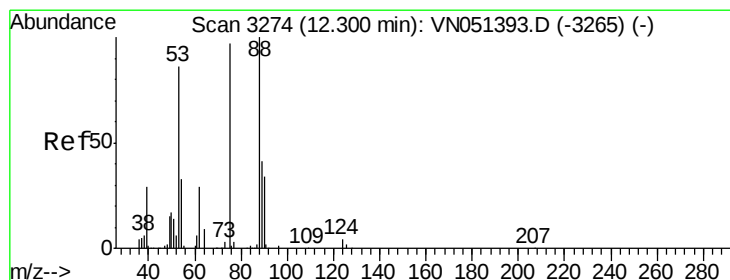
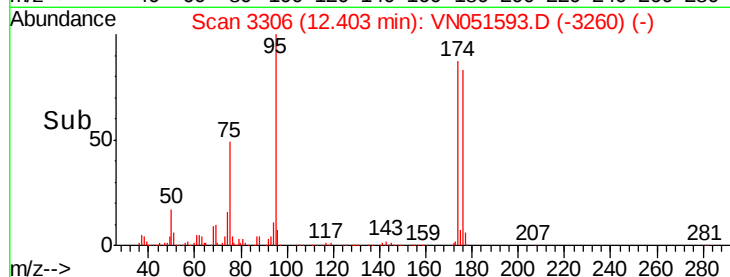
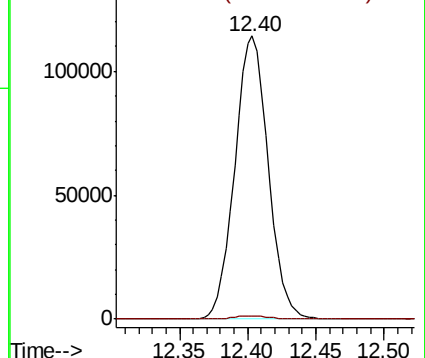
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 113.159 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

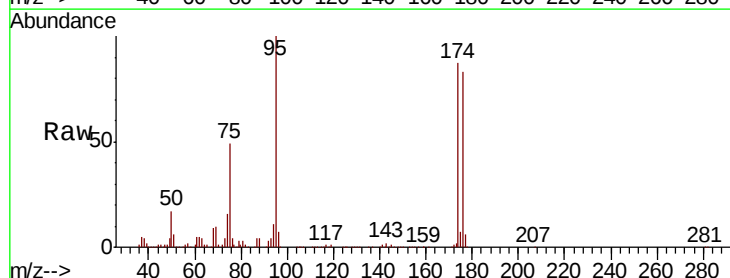
Tgt Ion: 75 Resp: 194092

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

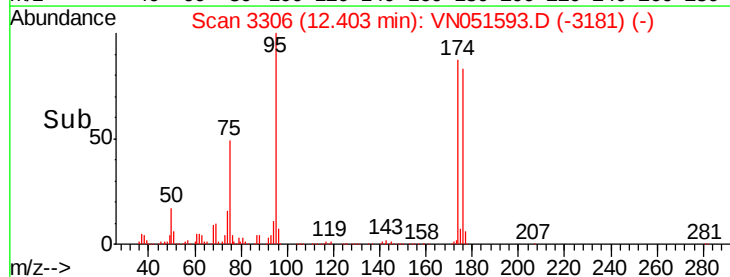
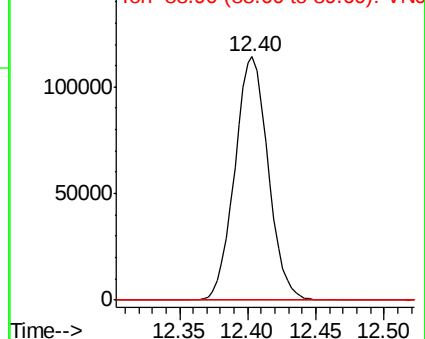
89 0.0 36.7 55.1#

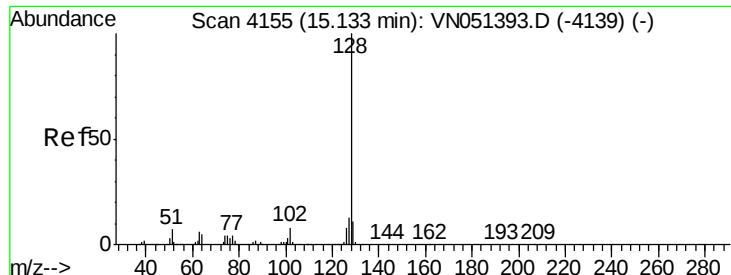


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 8.049 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051593.D

Acq: 27 Sep 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

PB113263ZHE#05

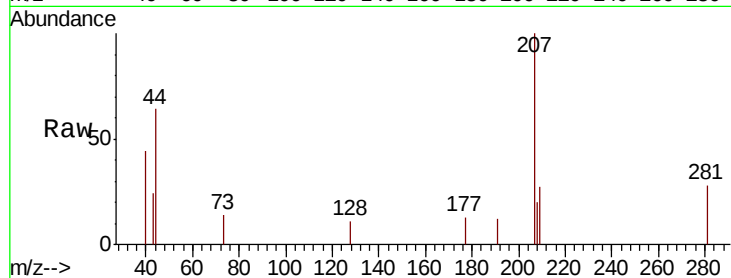
Tot Ion:128 Resp: 66

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



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

