

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051550.D
 Acq On : 26 Sep 2018 21:37
 Operator : MD\SY
 Sample : PB113219ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#07

Quant Time: Sep 27 08:00:43 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	628273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1025837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	868317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314215	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	460991	58.57	ug/l	0.00
Spiked Amount			Recovery	=	117.14%	
35) Dibromofluoromethane	7.59	113	389944	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.09	98	1429154	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	12.40	95	392559	39.28	ug/l	0.00
Spiked Amount			Recovery	=	78.56%	

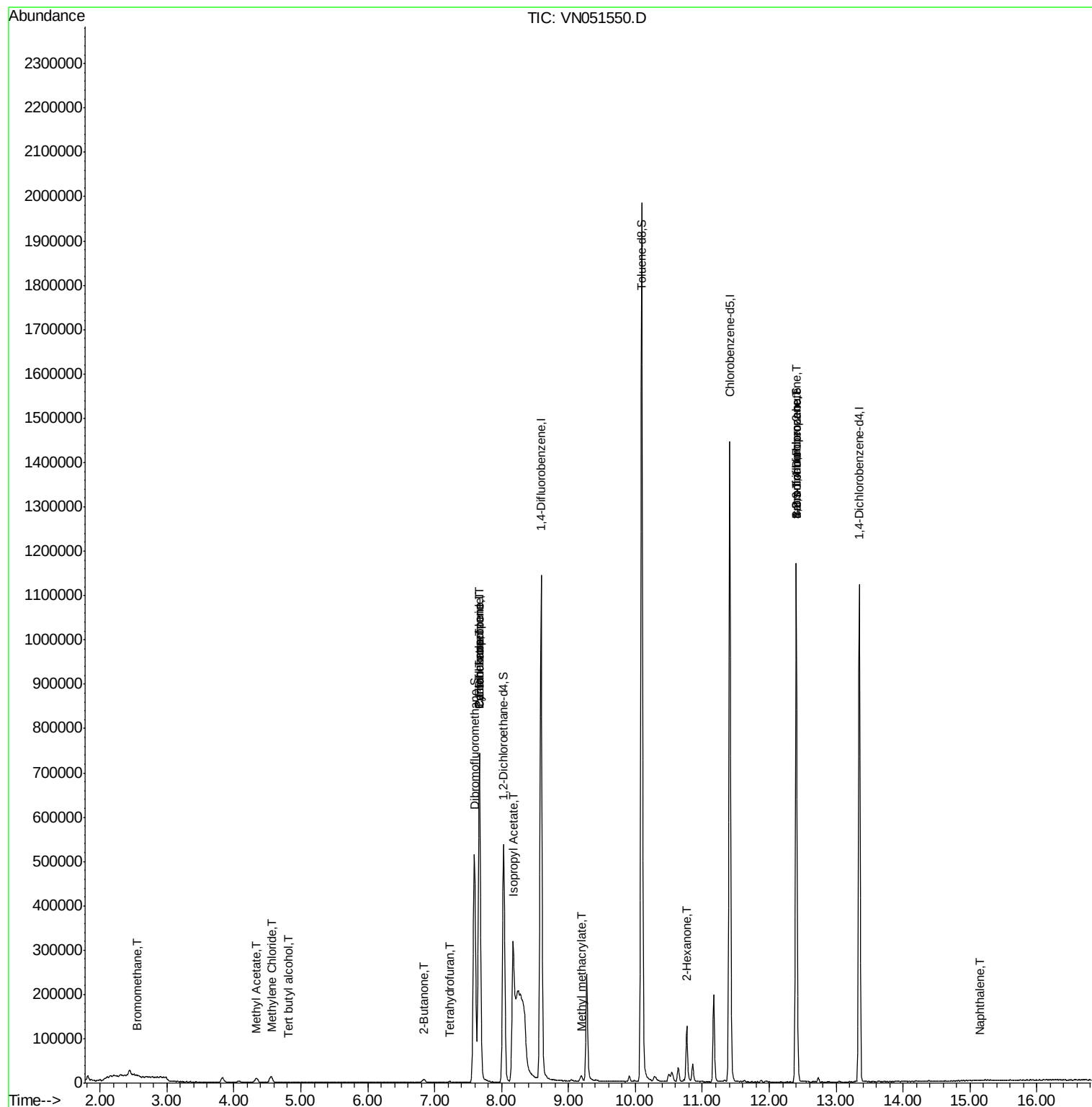
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1494	0.301	ug/l #	60
11) Tert butyl alcohol	4.81	59	97	0.218	ug/l #	78
16) Acetone	3.83	43	19096	Below Cal		95
18) Methyl Acetate	4.34	43	20387	3.401	ug/l	93
20) Methylene Chloride	4.56	84	10194	1.309	ug/l	88
25) 2-Butanone	6.85	43	4221	1.567	ug/l #	89
29) Tetrahydrofuran	7.22	42	1486	0.870	ug/l #	78
31) Cyclohexane	7.67	56	11852	0.956	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46322	3.899	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56714	4.564	ug/l #	17
43) Isopropyl Acetate	8.17	43	461505	37.366	ug/l #	85
48) Methyl methacrylate	9.18	41	7946	1.290	ug/l #	22
59) 2-Hexanone	10.77	43	17216	3.910	ug/l #	56
71) Bromoform	12.41	173	3892	0.676	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	191443	36.702	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191443	112.856	ug/l #	12
95) Naphthalene	15.14	128	394	8.073	ug/l #	69

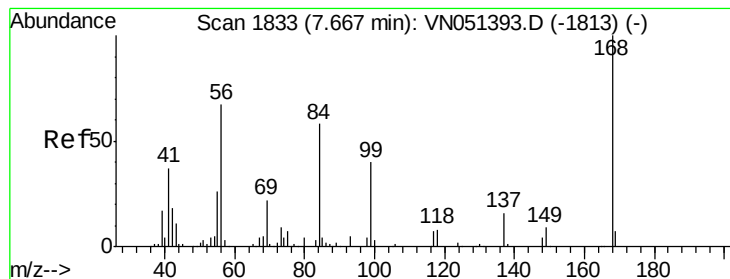
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

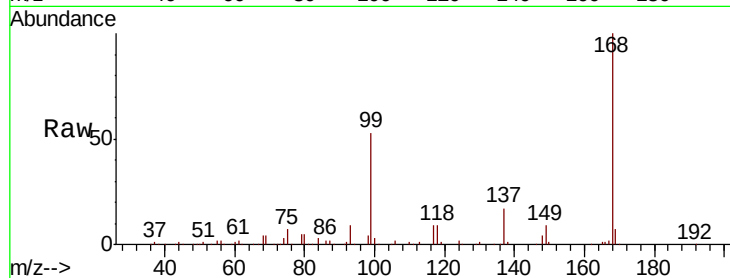
PB113219ZHE#07

Tot Ion:168 Resp: 628273

Ion Ratio Lower Upper

168 100

99 52.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

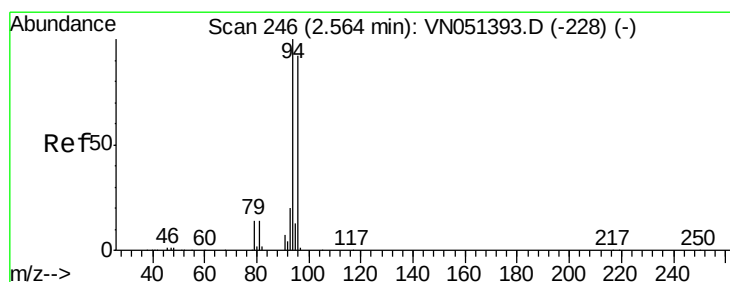
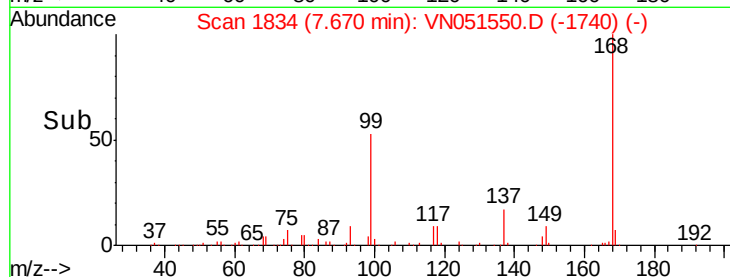
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.301 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051550.D

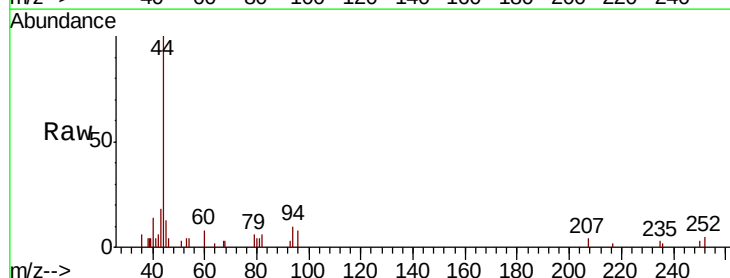
Acq: 26 Sep 2018 21:37

Tgt Ion: 94 Resp: 1494

Ion Ratio Lower Upper

94 100

96 54.3 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

800

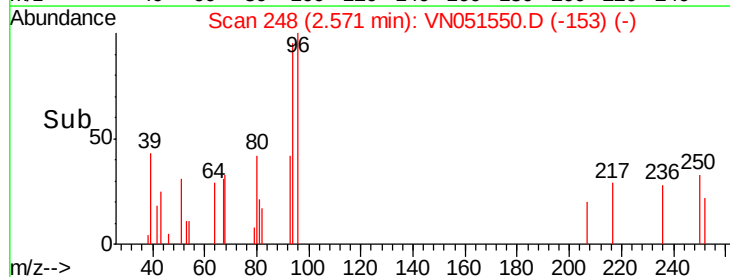
600

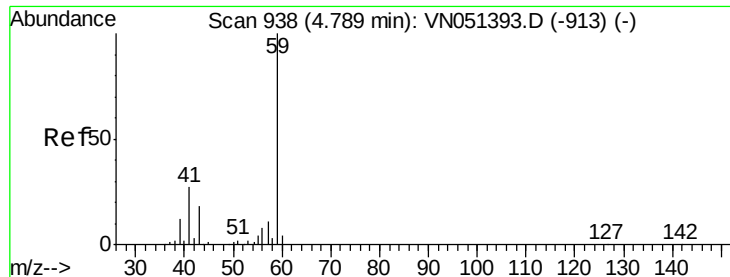
400

200

0

Time-->

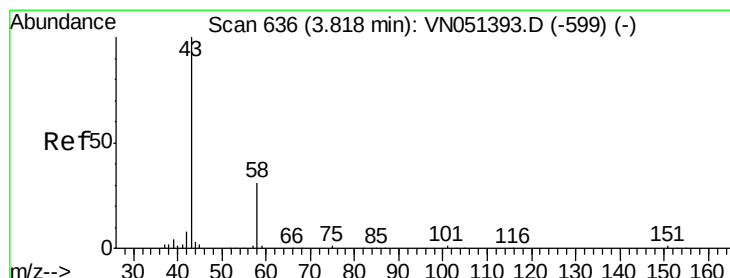
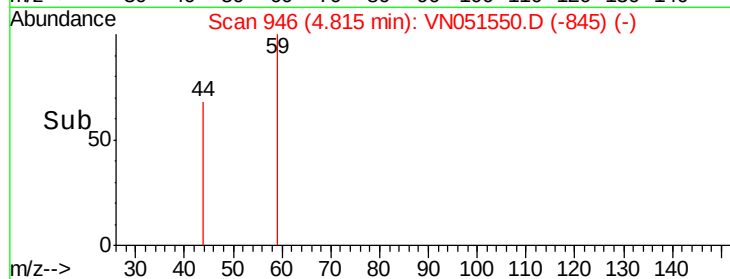
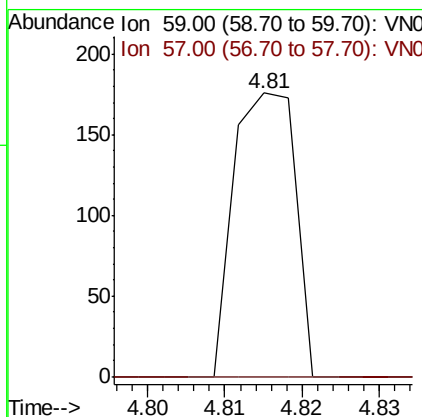
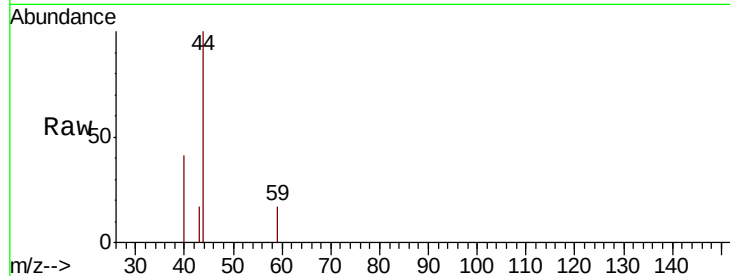




#11
Tert butyl alcohol
Concen: 0.218 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.03 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

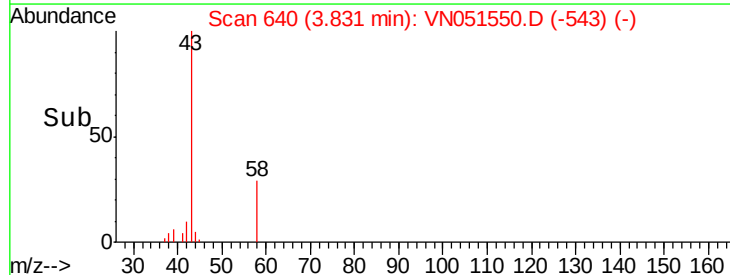
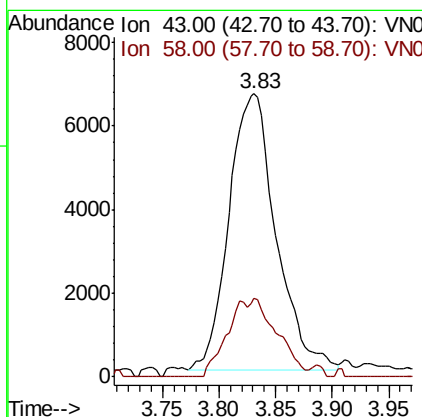
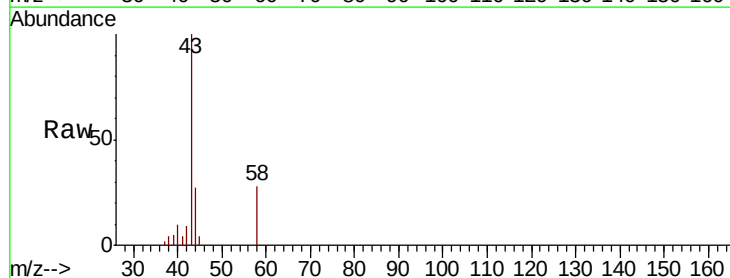
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#07

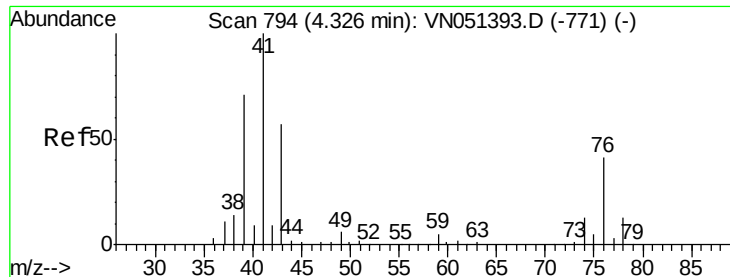
Tot Ion: 59 Resp: 97
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

Tgt Ion: 43 Resp: 19096
Ion Ratio Lower Upper
43 100
58 28.6 25.0 37.4

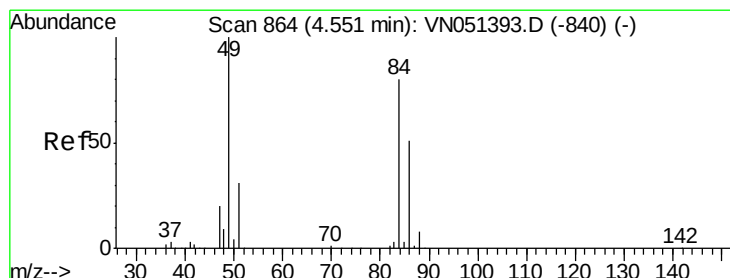
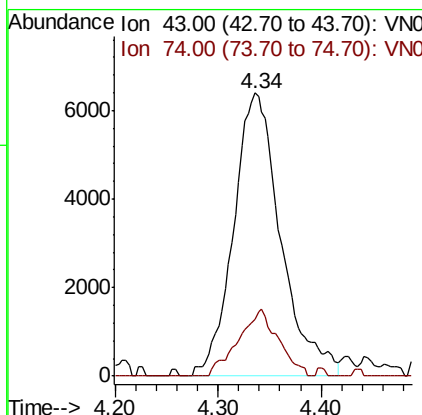
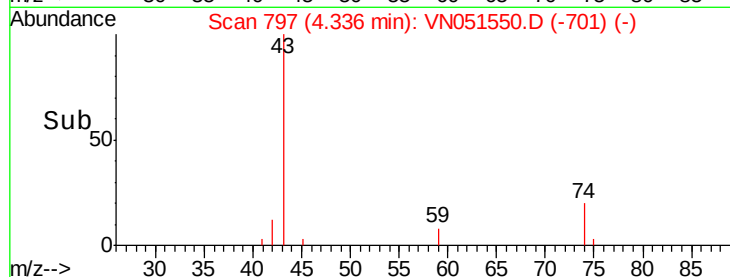
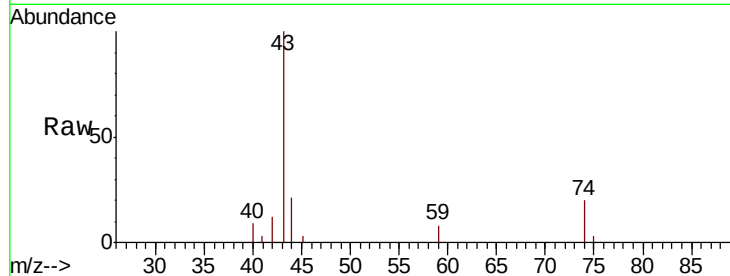




#18
Methyl Acetate
Concen: 3.401 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

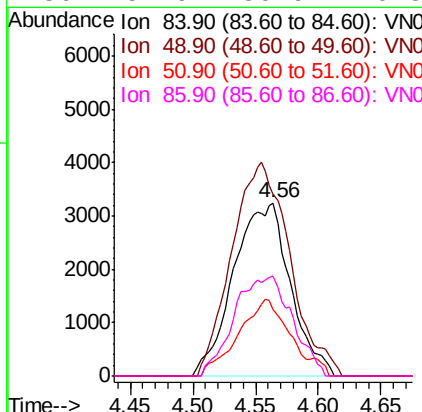
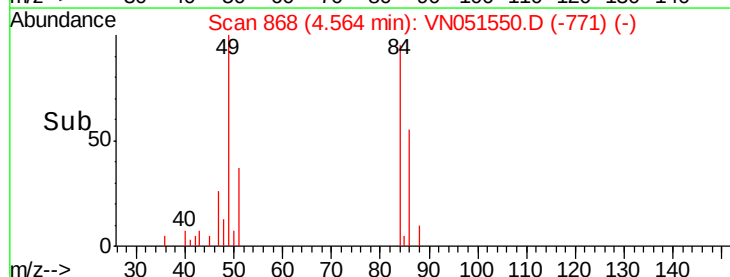
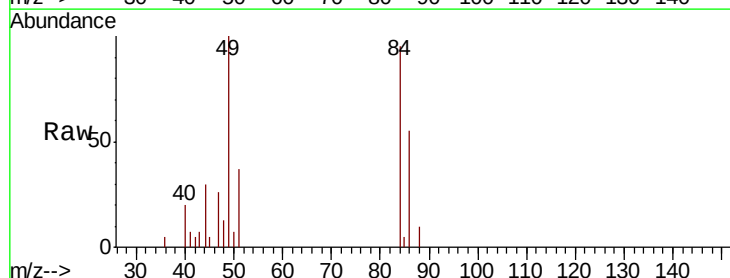
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#07

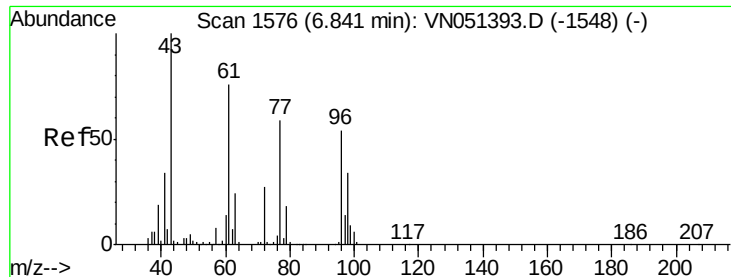
Tot Ion: 43 Resp: 20387
Ion Ratio Lower Upper
43 100
74 20.0 18.8 28.2



#20
Methylene Chloride
Concen: 1.309 ug/l
RT: 4.56 min Scan# 868
Delta R.T. 0.01 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

Tgt Ion: 84 Resp: 10194
Ion Ratio Lower Upper
84 100
49 104.8 99.9 149.9
51 38.7 31.4 47.2
86 57.9 50.9 76.3

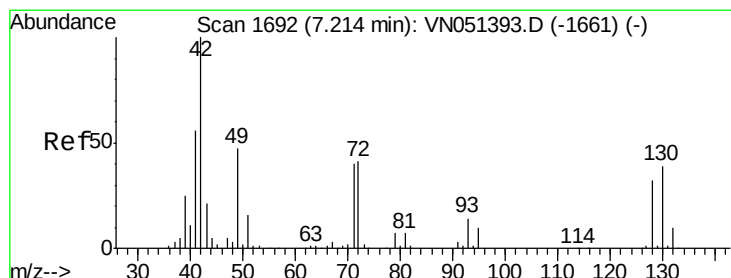
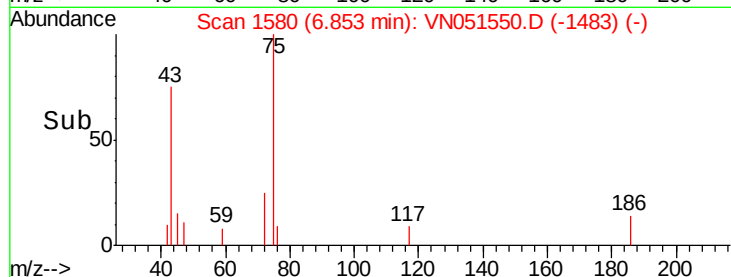
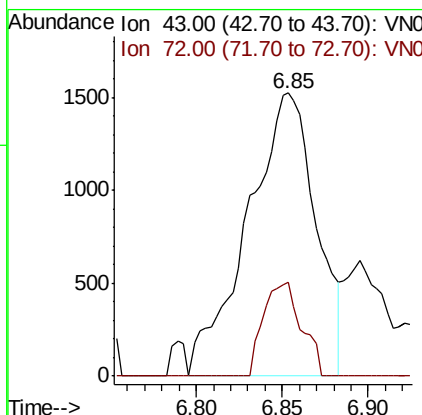
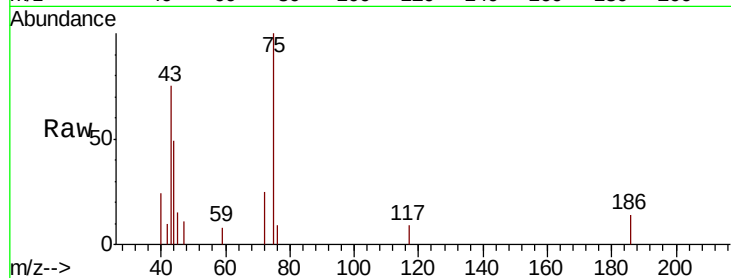




#25
2-Butanone
Concen: 1.567 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

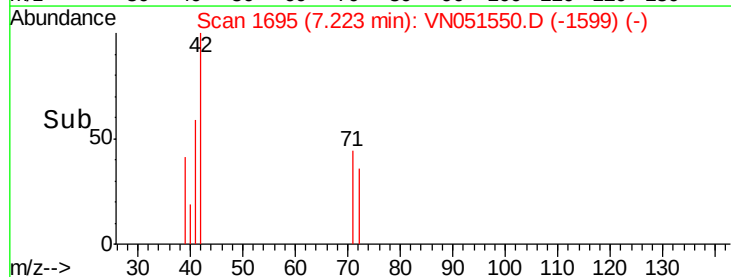
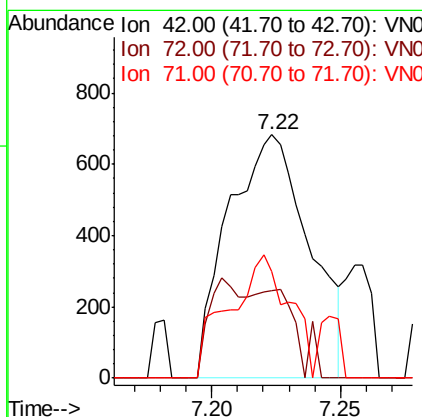
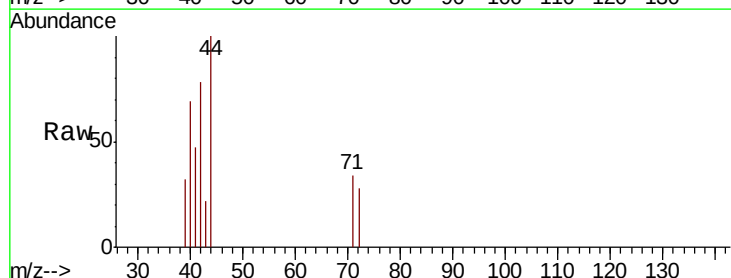
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#07

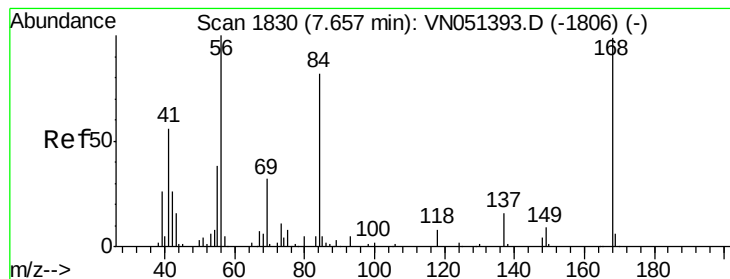
Tot Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
72 33.0 21.8 32.6#



#29
Tetrahydrofuran
Concen: 0.870 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

Tgt Ion: 42 Resp: 1486
Ion Ratio Lower Upper
42 100
72 18.0 34.3 51.5#
71 37.8 32.2 48.4





#31

Cyclohexane

Concen: 0.956 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#07

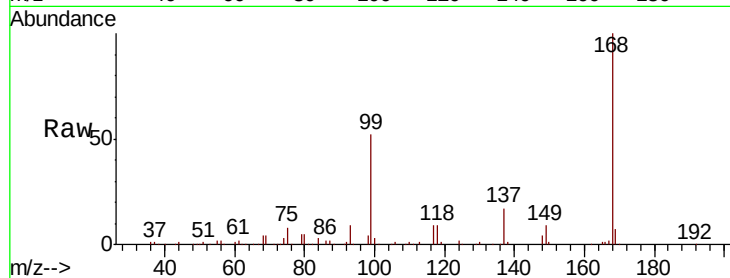
Tot Ion: 56 Resp: 11852

Ion Ratio Lower Upper

56 100

69 208.7 25.8 38.6#

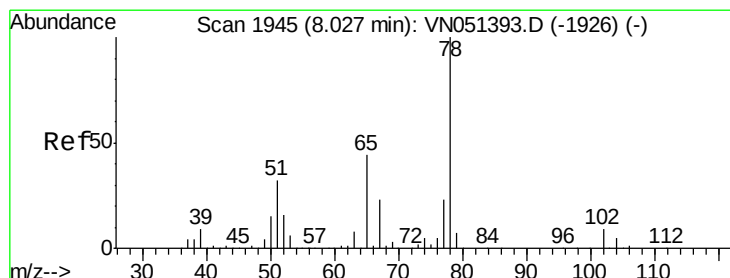
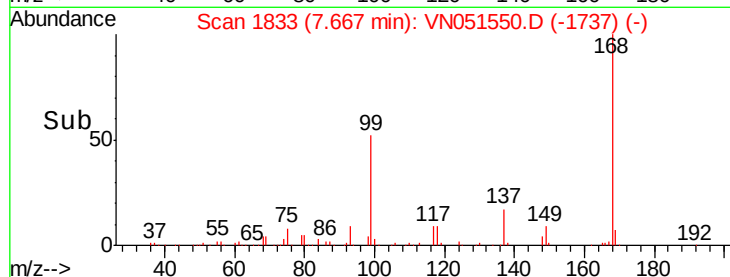
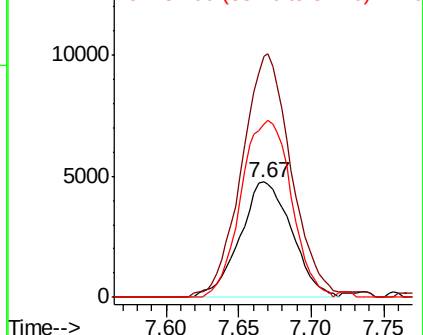
84 150.2 66.0 99.0#



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: 58.574 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051550.D

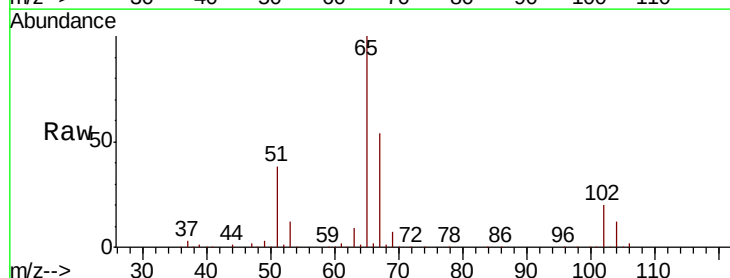
Acq: 26 Sep 2018 21:37

Tgt Ion: 65 Resp: 460991

Ion Ratio Lower Upper

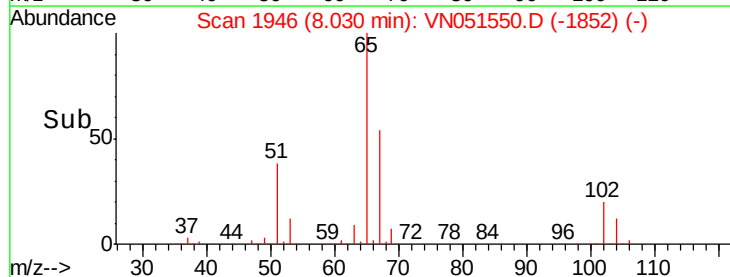
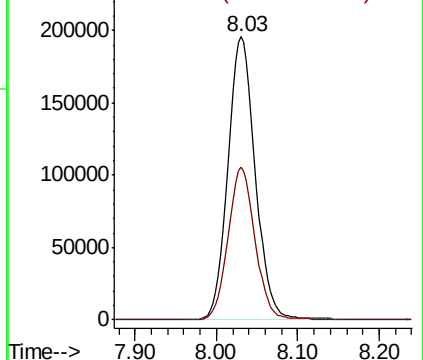
65 100

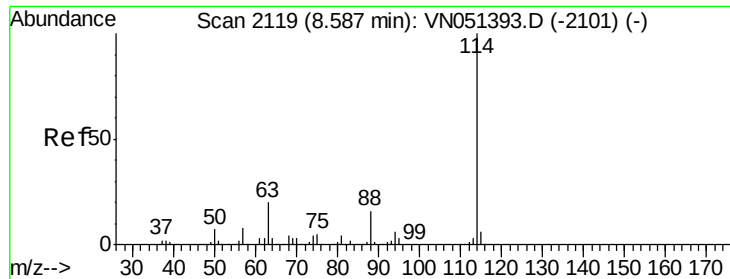
67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

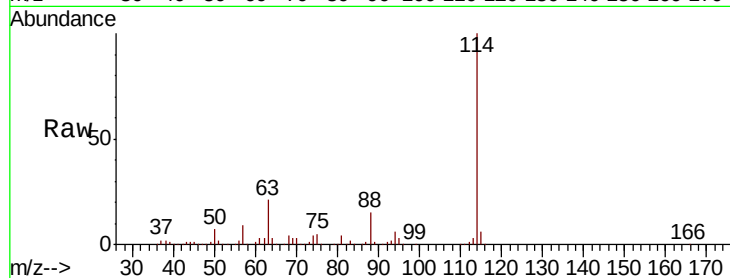




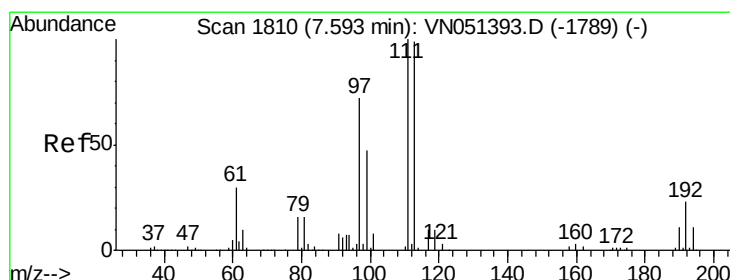
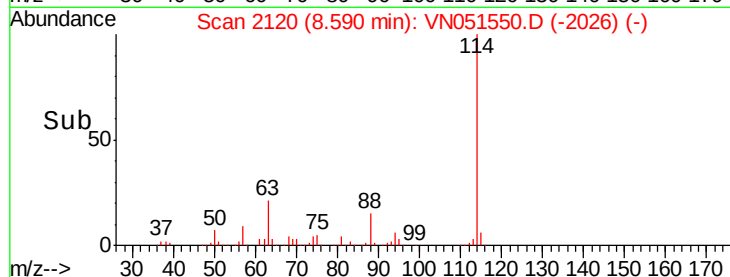
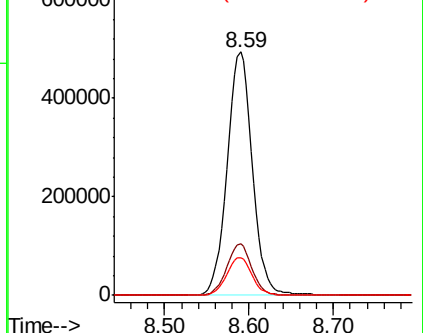
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051550.D
 Acq: 26 Sep 2018 21:37

Instrument :
 MSVOA_N
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 PB113219ZHE#07

Tot Ion:114 Resp: 1025837
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.2
 88 15.5 0.0 31.4

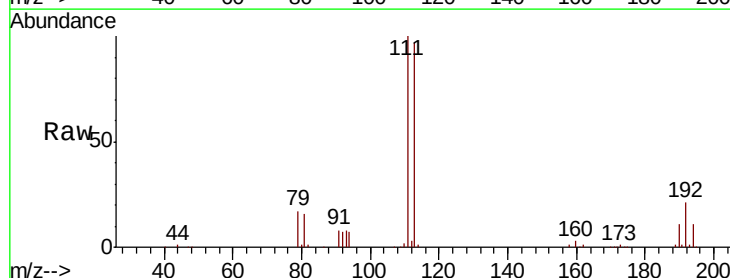


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

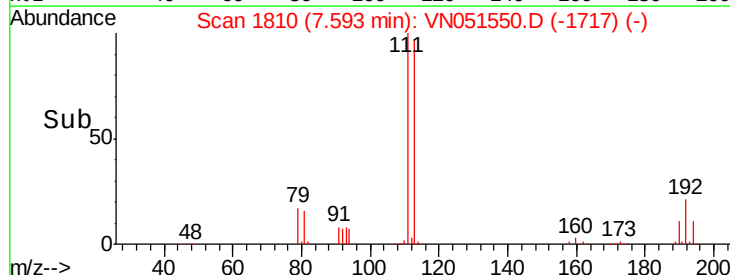
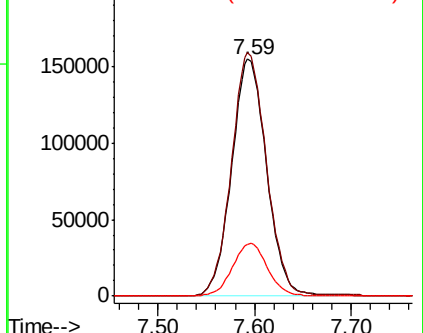


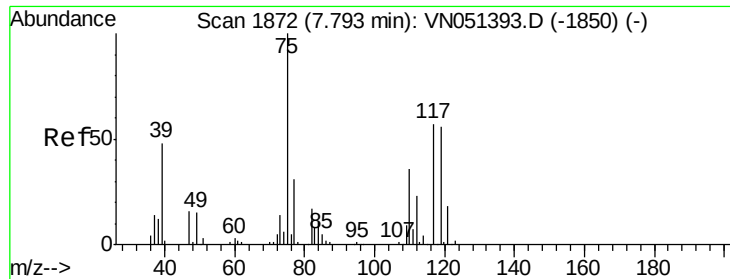
#35
 Dibromofluoromethane
 Concen: 47.536 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051550.D
 Acq: 26 Sep 2018 21:37

Tgt Ion:113 Resp: 389944
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 22.2 18.0 27.0



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: 3.899 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#07

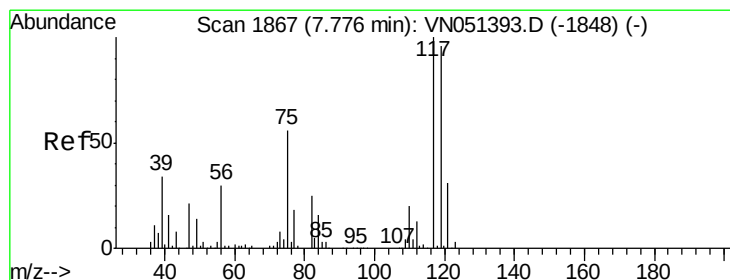
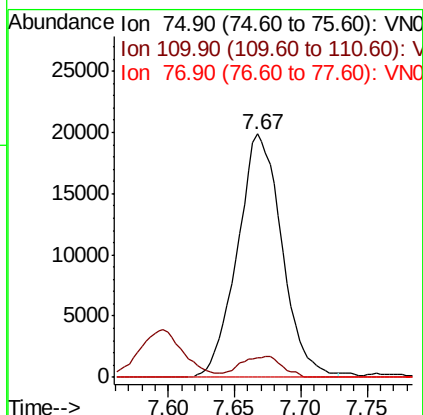
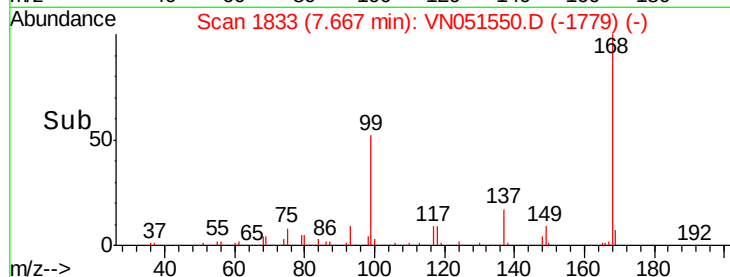
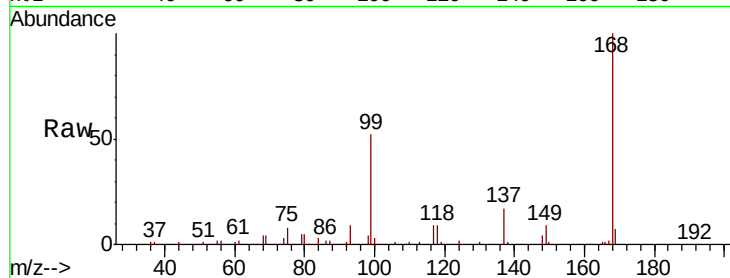
Tot Ion: 75 Resp: 46322

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.564 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

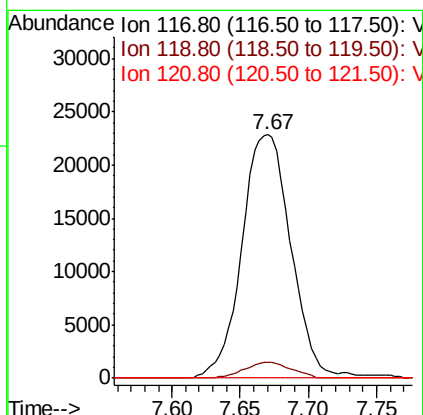
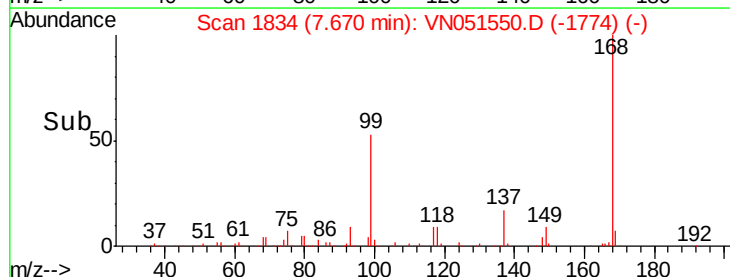
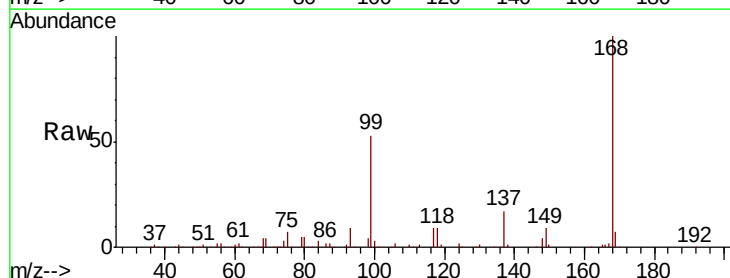
Tgt Ion: 117 Resp: 56714

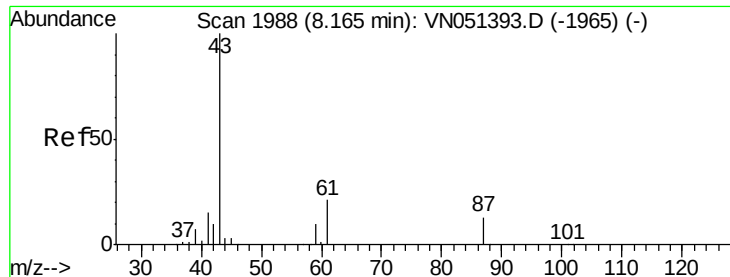
Ion Ratio Lower Upper

117 100

119 6.4 76.9 115.3#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 37.366 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#07

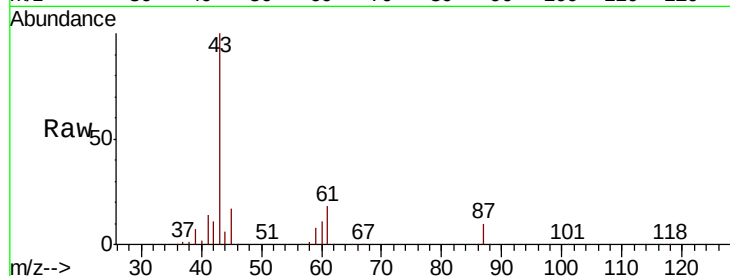
Tot Ion: 43 Resp: 461505

Ion Ratio Lower Upper

43 100

61 13.5 16.8 25.2#

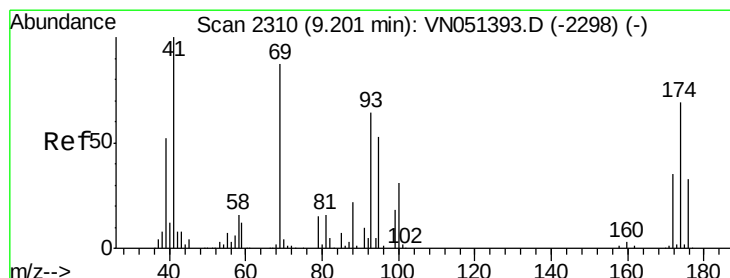
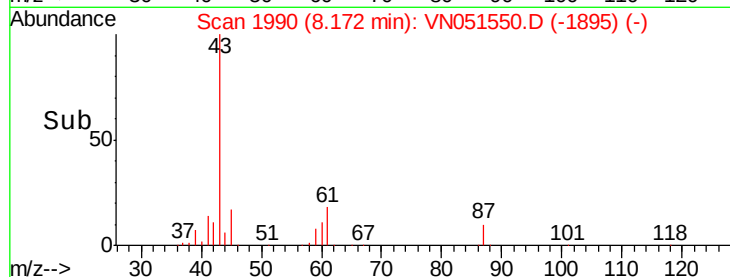
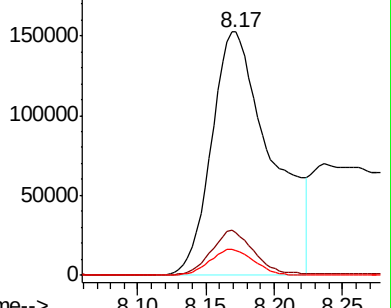
87 8.1 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051550.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN051550.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN051550.D (-1990) (-)



#48

Methyl methacrylate

Concen: 1.290 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

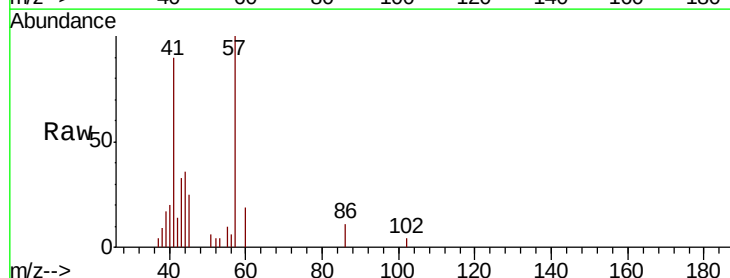
Tgt Ion: 41 Resp: 7946

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

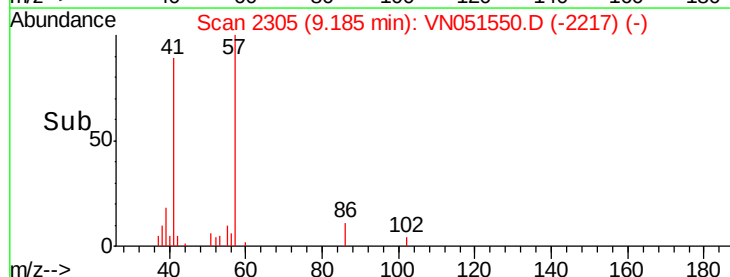
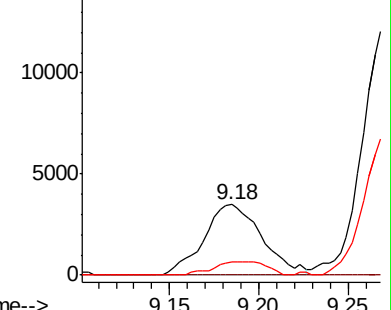
39 17.2 43.8 65.8#

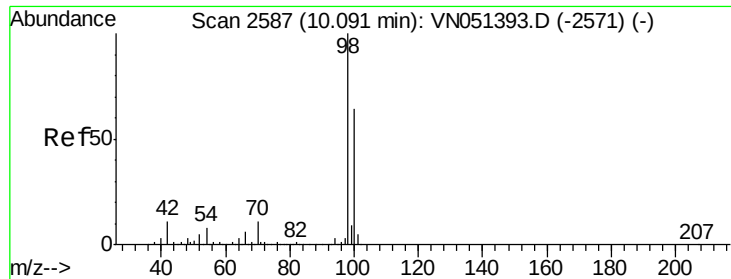


Abundance Ion 41.00 (40.70 to 41.70): VN051550.D (-2305) (-)

Ion 69.00 (68.70 to 69.70): VN051550.D (-2305) (-)

Ion 39.00 (38.70 to 39.70): VN051550.D (-2305) (-)

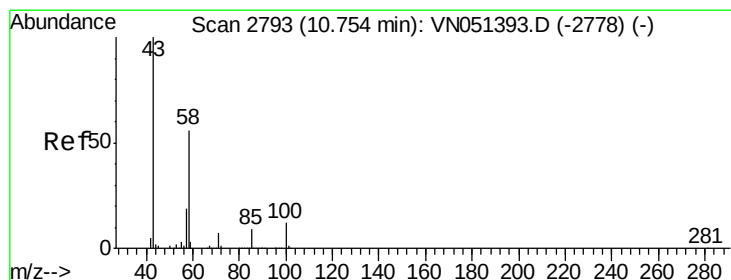
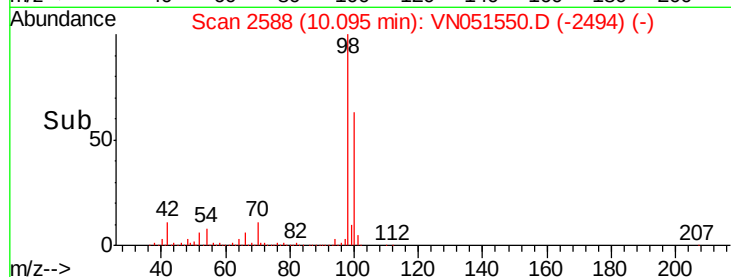
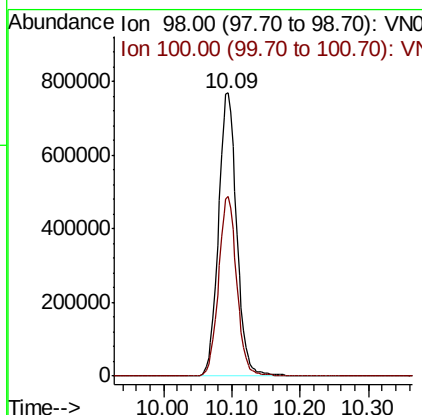
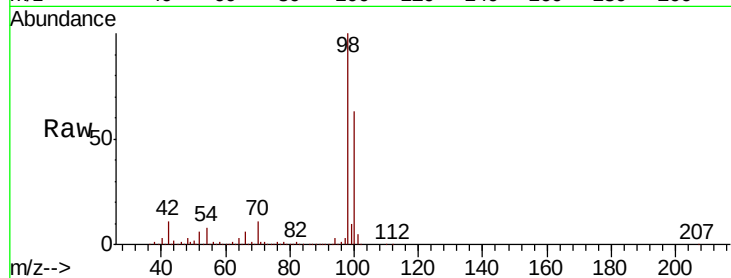




#50
Toluene-d8
Concen: 46.266 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

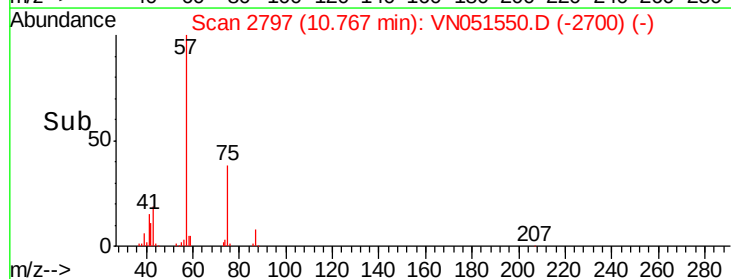
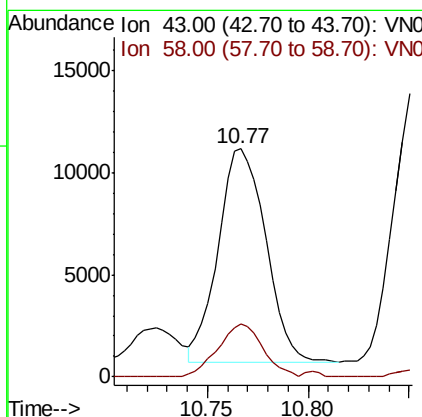
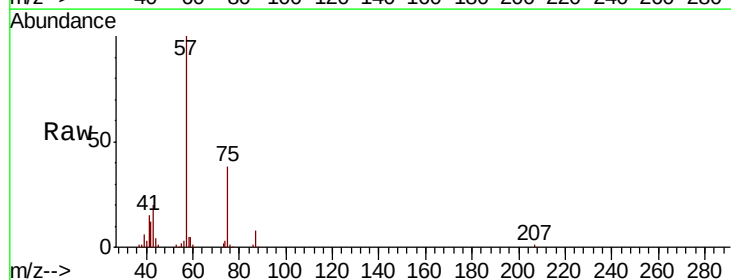
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#07

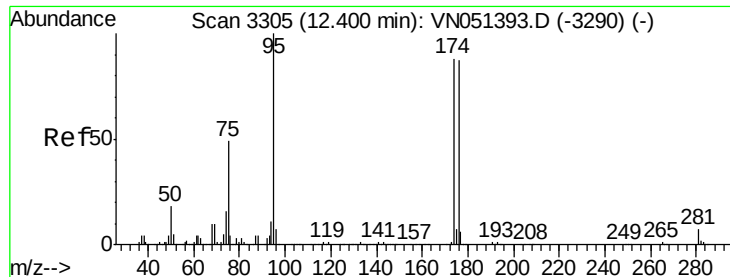
Tot Ion: 98 Resp: 1429154
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8



#59
2-Hexanone
Concen: 3.910 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051550.D
Acq: 26 Sep 2018 21:37

Tgt Ion: 43 Resp: 17216
Ion Ratio Lower Upper
43 100
58 23.3 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 39.284 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#07

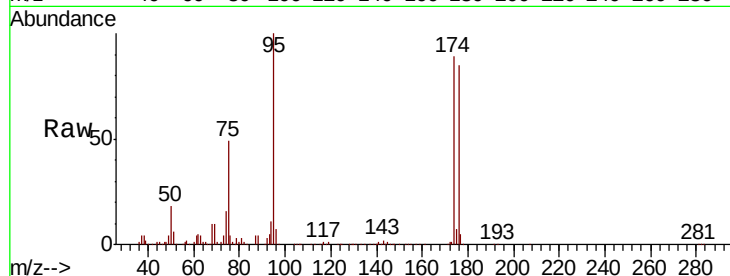
Tot Ion: 95 Resp: 392559

Ion Ratio Lower Upper

95 100

174 89.0 0.0 181.6

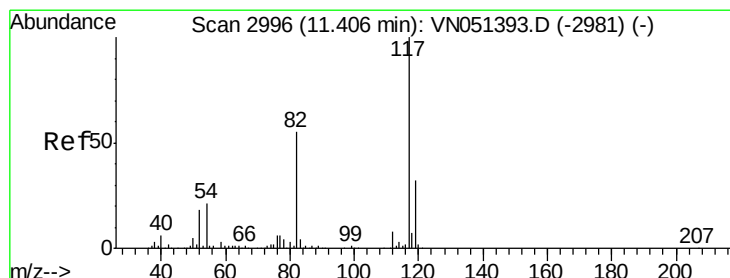
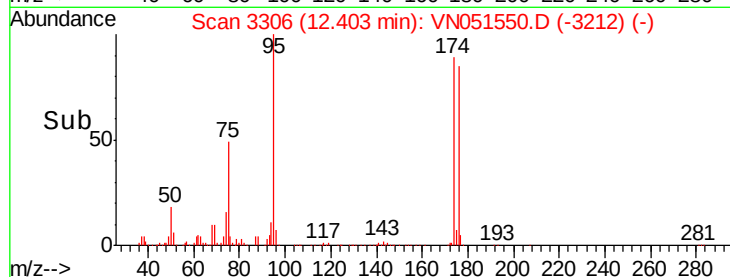
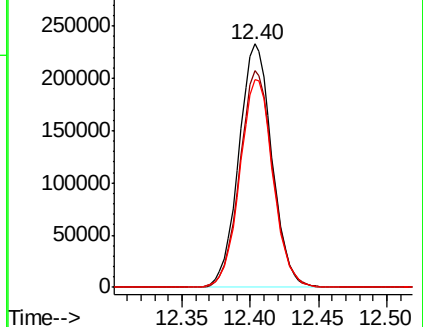
176 85.4 0.0 176.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

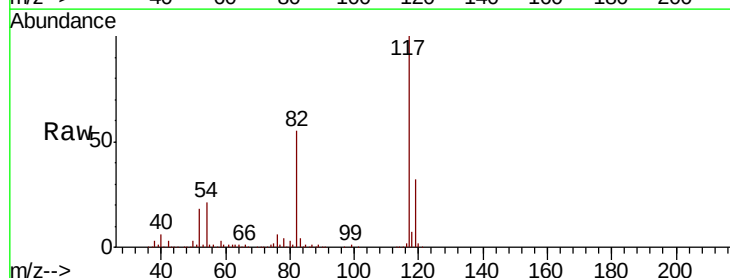
Tgt Ion: 117 Resp: 868317

Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.2

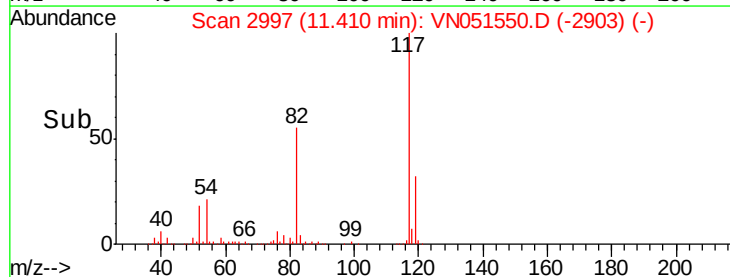
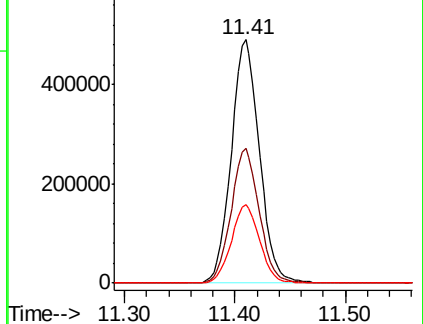
119 32.4 25.9 38.9

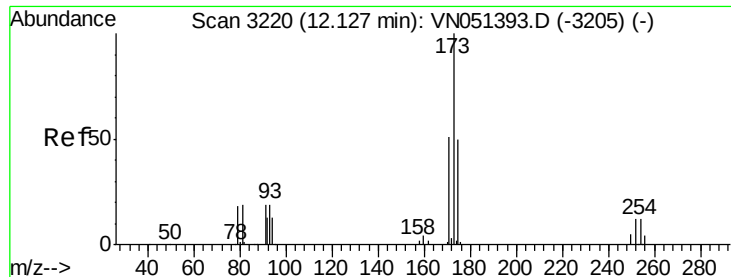


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

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

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





#71

Bromoform

Concen: 0.676 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#07

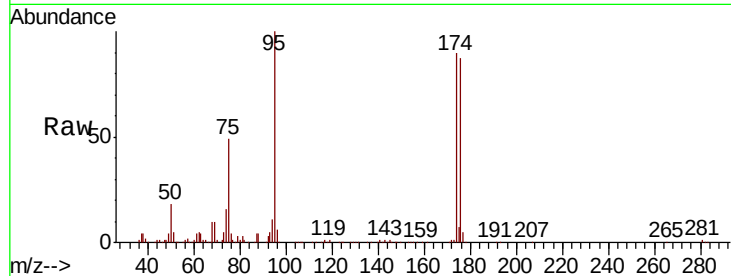
Tot Ion:173 Resp: 3892

Ion Ratio Lower Upper

173 100

175 539.7 24.8 74.3#

254 0.0 0.2 0.2#

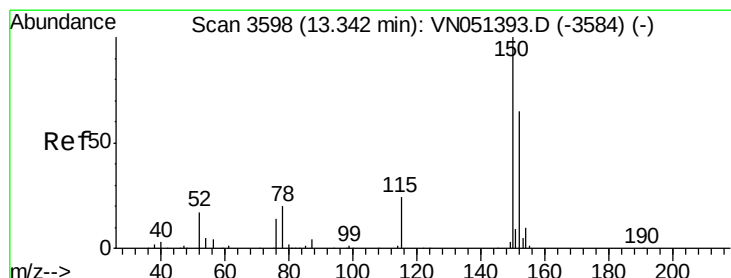
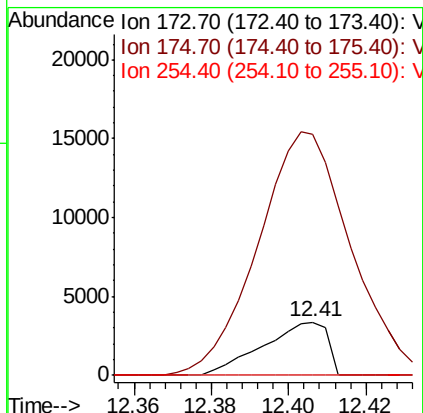
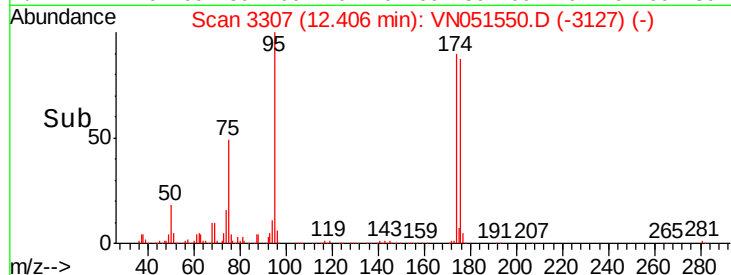


Abundance

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: VN051550.D

Acq: 26 Sep 2018 21:37

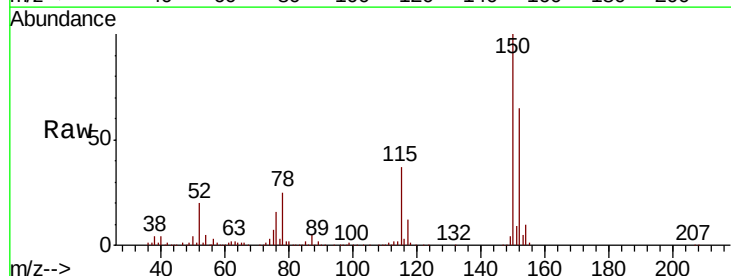
Tgt Ion:152 Resp: 314215

Ion Ratio Lower Upper

152 100

115 56.6 28.3 84.9

150 156.3 0.0 353.6

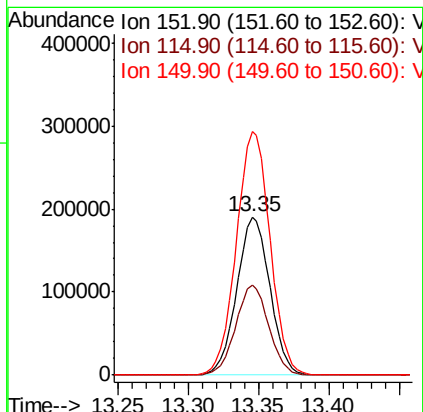
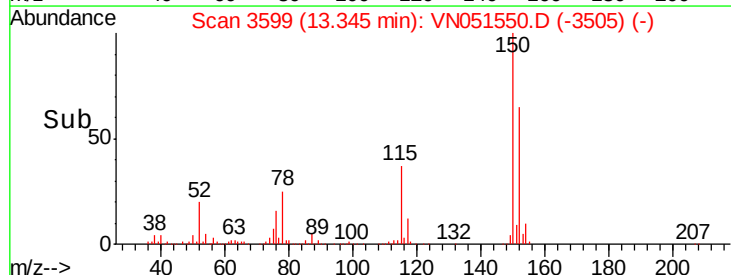


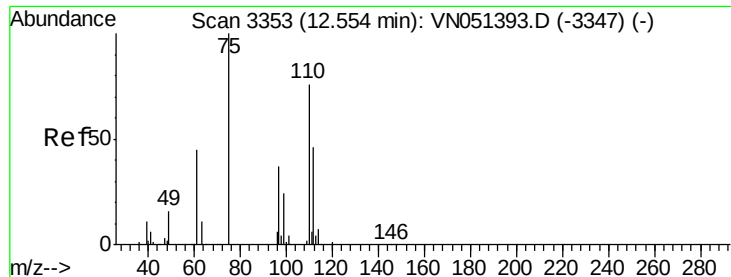
Abundance

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: 36.702 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

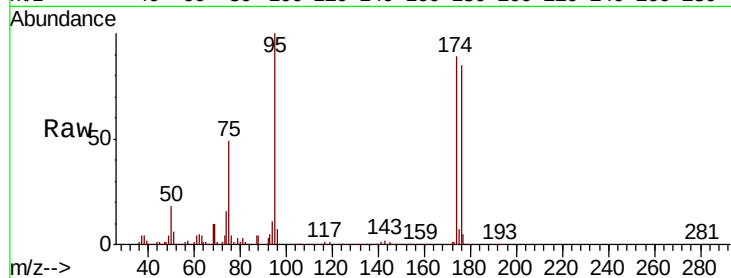
PB113219ZHE#07

Tot Ion: 75 Resp: 191443

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

100000

80000

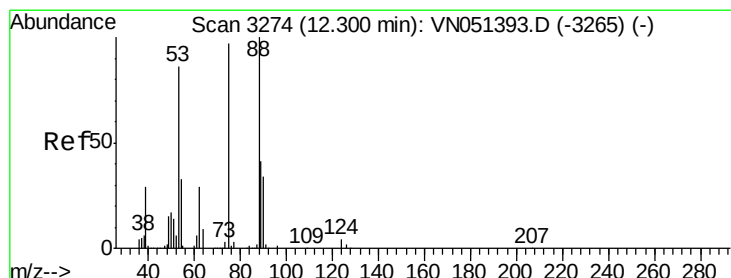
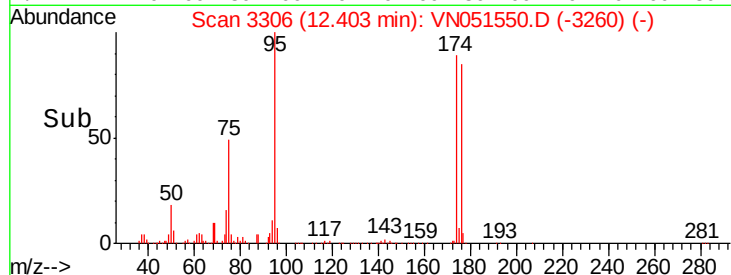
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.856 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051550.D

Acq: 26 Sep 2018 21:37

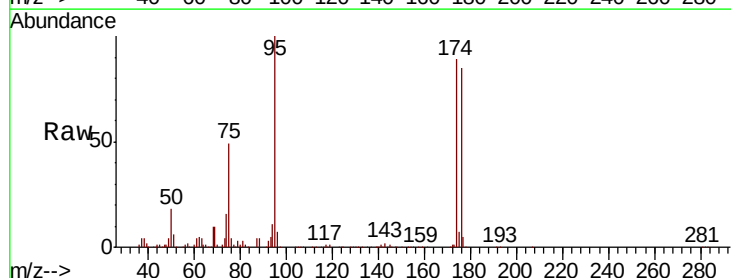
Tgt Ion: 75 Resp: 191443

Ion Ratio Lower Upper

75 100

53 0.1 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

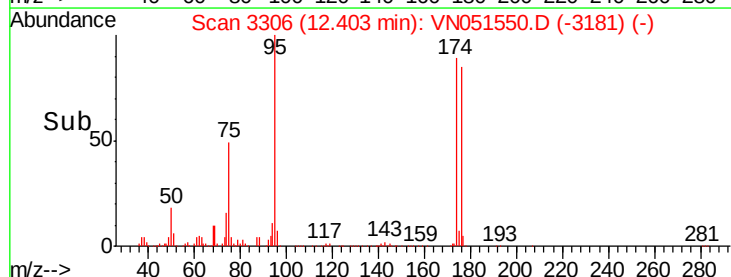
150000

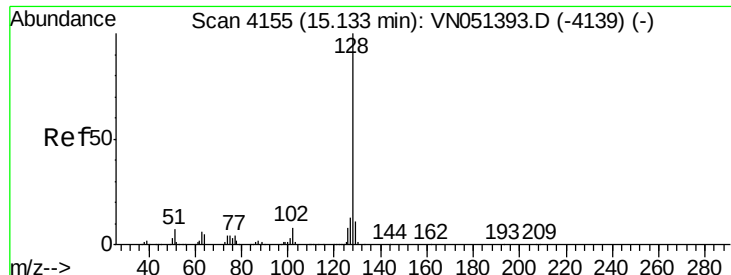
100000

50000

0

Time-->





#95

Naphthalene

Concen: 8.073 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051550.D

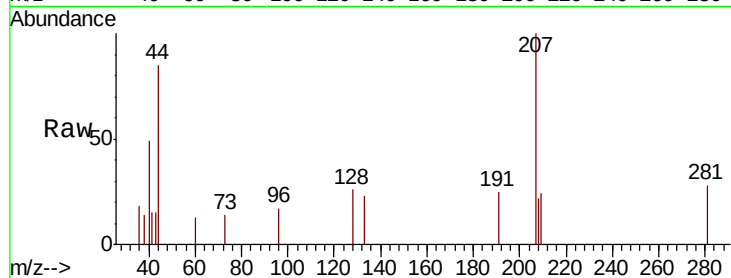
Acq: 26 Sep 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#07



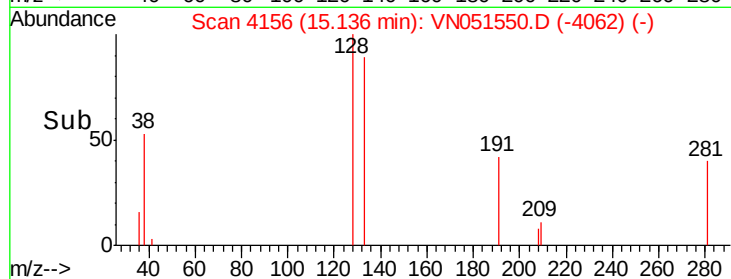
Tot Ion:128 Resp: 394

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

