

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056178.D
 Acq On : 10 Jun 2019 18:43
 Operator : JC/SP
 Sample : K3280-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608

Quant Time: Jun 11 02:21:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	306443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	467291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	463205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145394	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	163960	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
35) Dibromofluoromethane	7.59	113	150828	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	10.09	98	598331	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.40	95	192634	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	

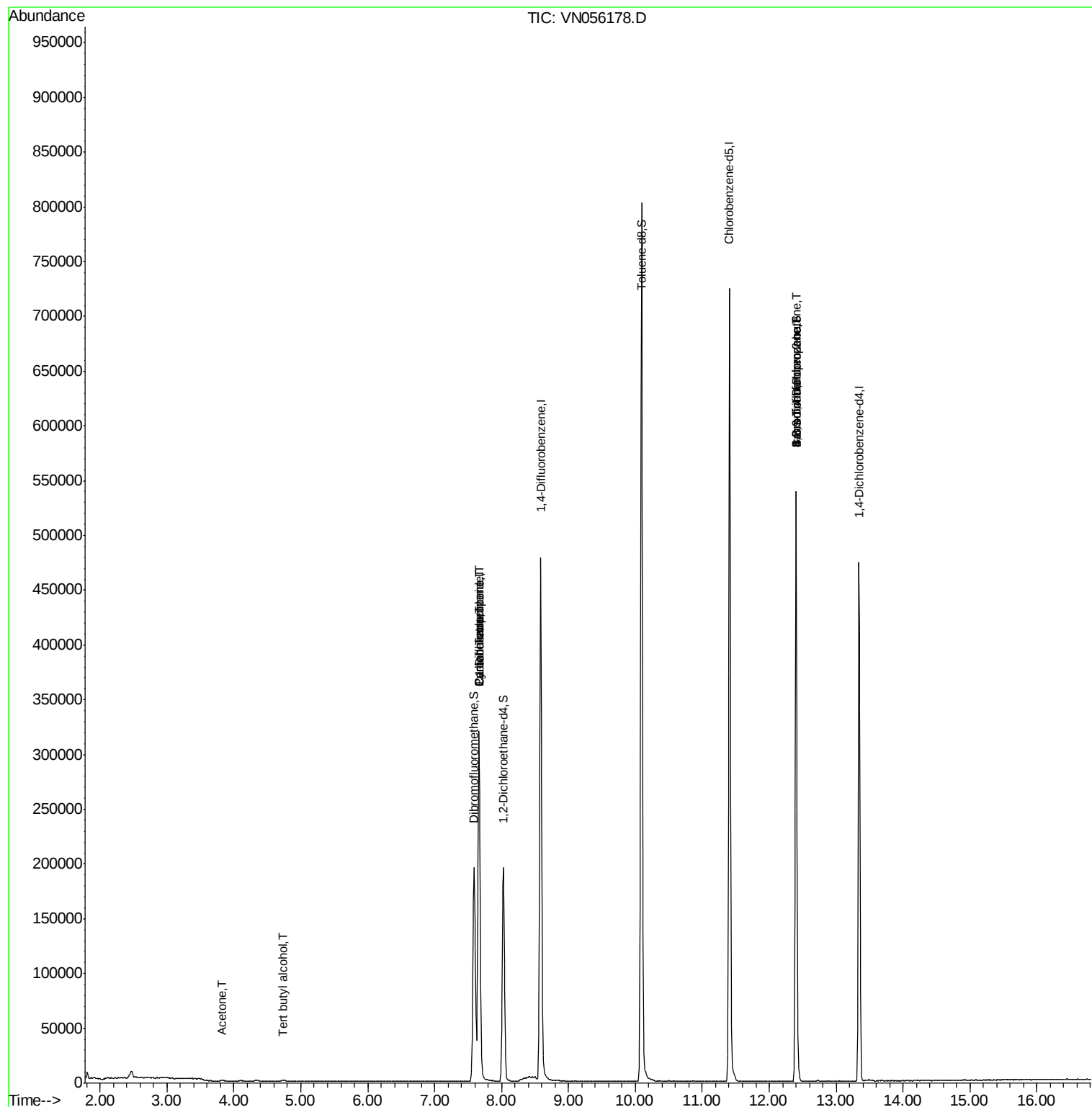
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	548	1.035	ug/l #	74
16) Acetone	3.82	43	1802	1.238	ug/l	93
18) Methyl Acetate	4.32	43	912	Below Cal	#	58
31) Cyclohexane	7.66	56	4253	0.881	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18290	4.552	ug/l #	48
38) Carbon Tetrachloride	7.66	117	24974	6.742	ug/l #	15
71) Bromoform	12.40	173	1424	3.246	ug/l #	1
73) Isopropylbenzene	12.40	105	130	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	88641	33.133	ug/l #	100
79) 2-Chlorotoluene	12.40	91	398	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	88641	110.339	ug/l #	15

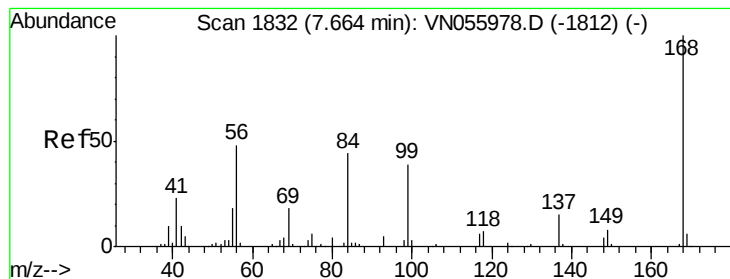
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061019\
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

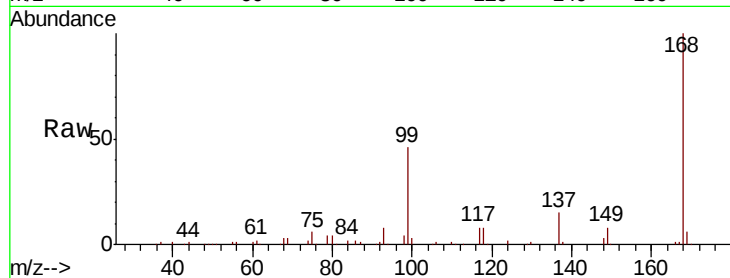
BP-MH-SW4001-SOUTH-20190608

Tot Ion:168 Resp: 306443

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

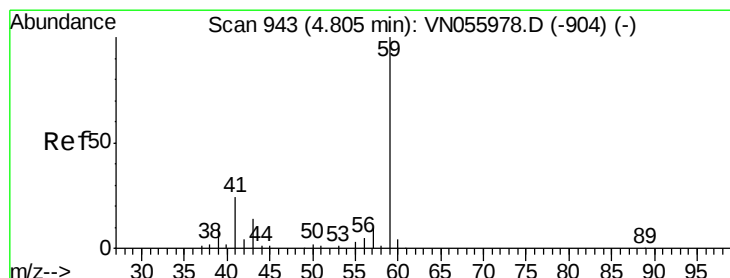
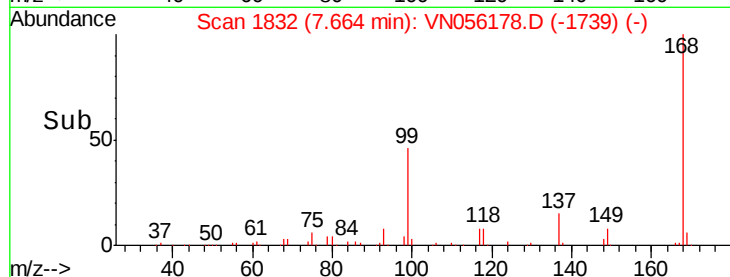
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 1.035 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.08 min

Lab File: VN056178.D

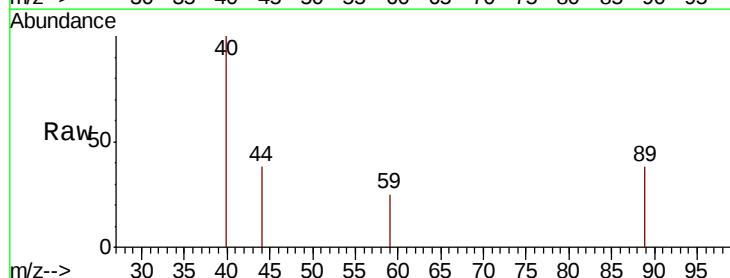
Acq: 10 Jun 2019 18:43

Tgt Ion: 59 Resp: 548

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

400

300

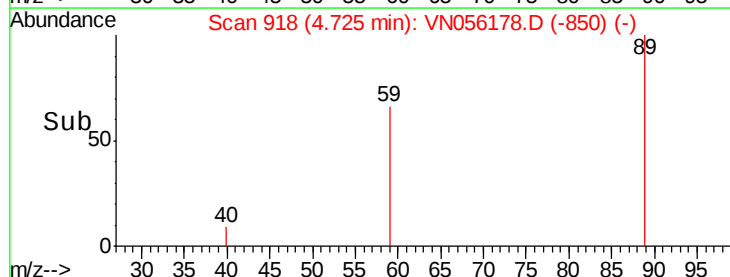
200

100

0

4.70 4.72 4.74

Time-->





#16

Acetone

Concen: 1.238 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

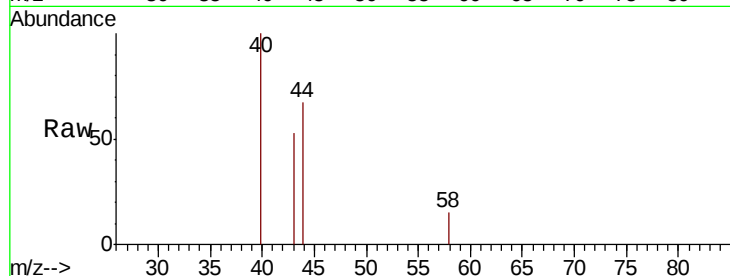
BP-MH-SW4001-SOUTH-20190608

Tot Ion: 43 Resp: 1802

Ion Ratio Lower Upper

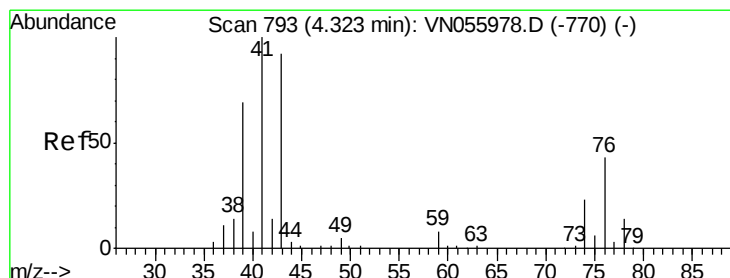
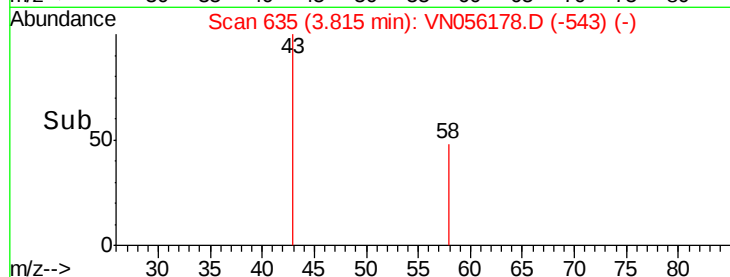
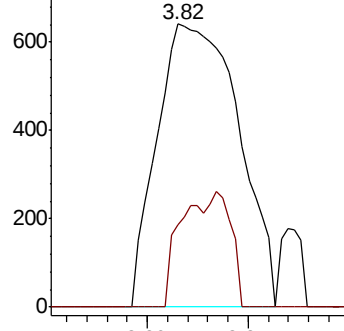
43 100

58 29.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056178.D

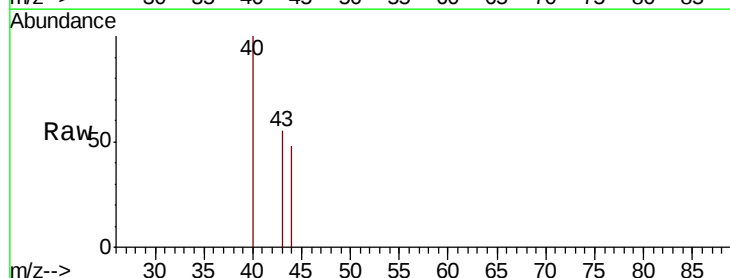
Acq: 10 Jun 2019 18:43

Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

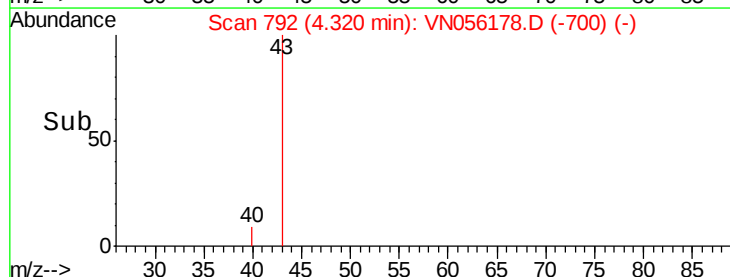
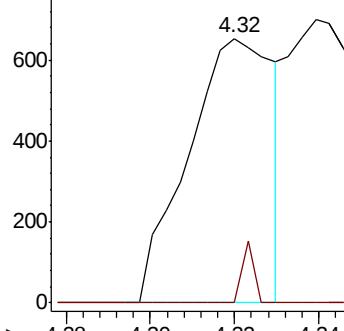
43 100

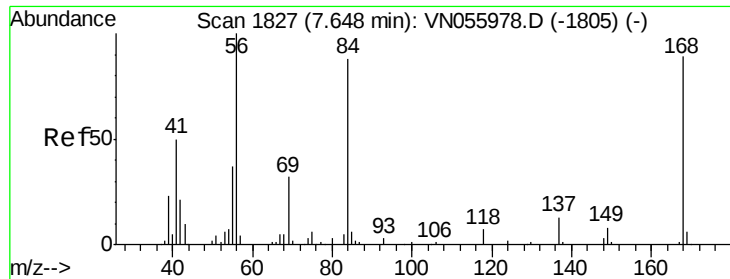
74 3.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

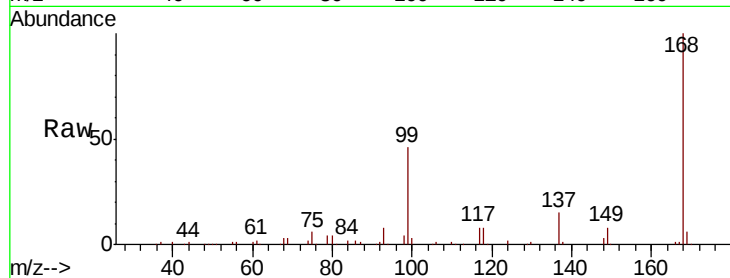




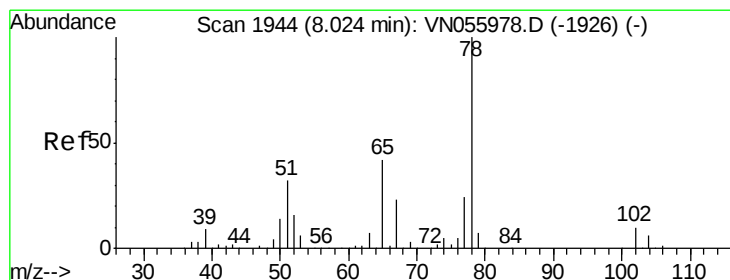
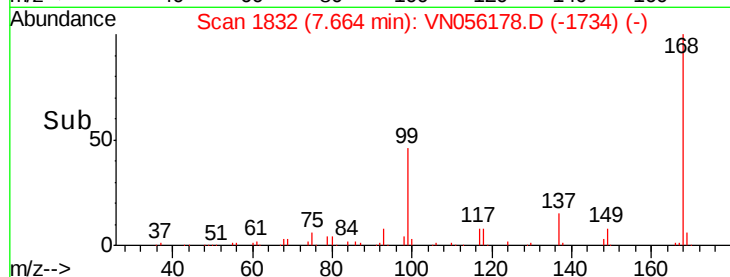
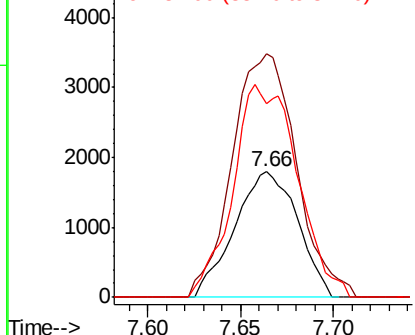
#31
Cyclohexane
Concen: 0.881 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056178.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608

Tot Ion: 56 Resp: 4253
Ion Ratio Lower Upper
56 100
69 193.7 25.6 38.4#
84 154.6 67.4 101.0#

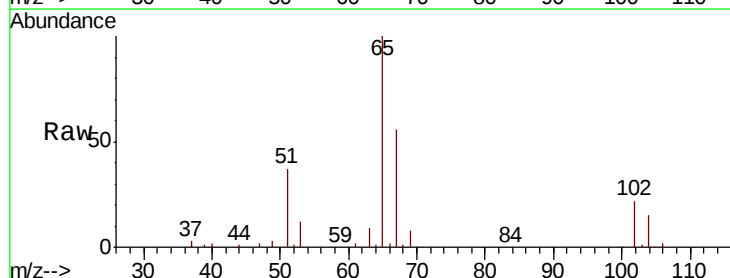


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

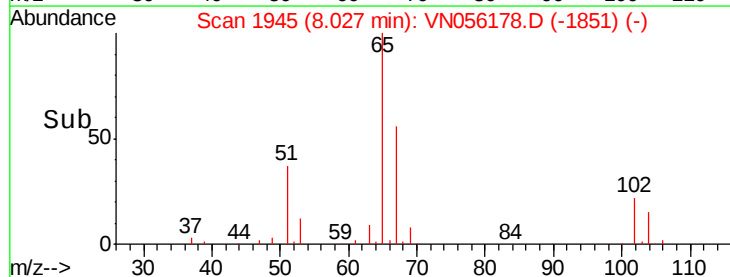
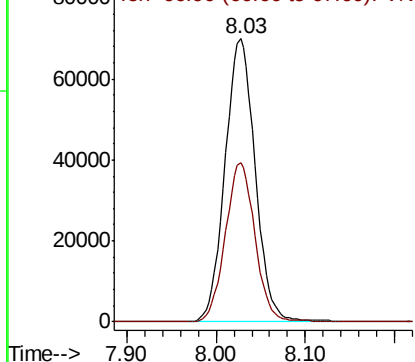


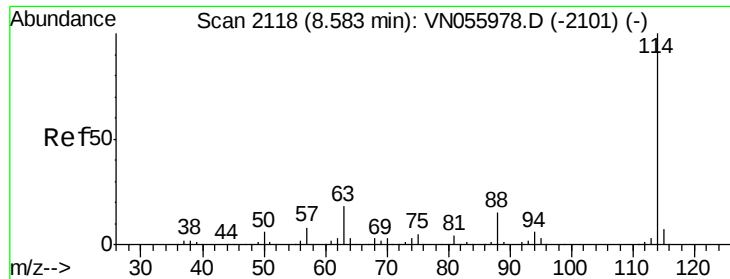
#33
1,2-Dichloroethane-d4
Concen: 53.886 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056178.D
Acq: 10 Jun 2019 18:43

Tgt Ion: 65 Resp: 163960
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.2



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

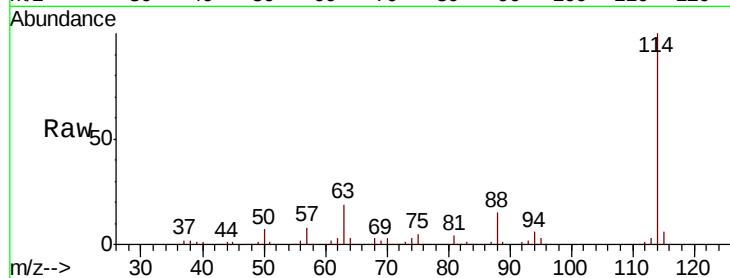




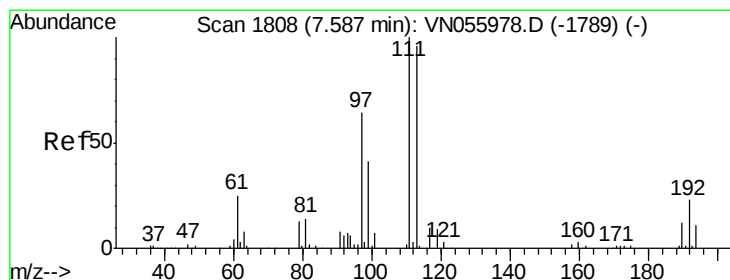
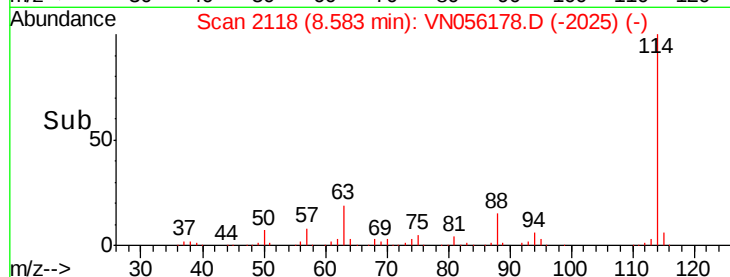
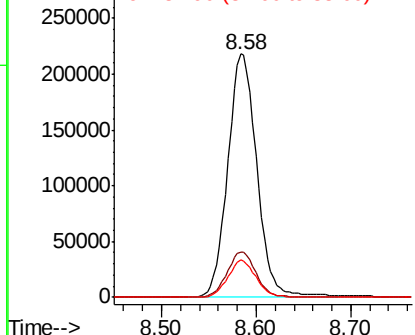
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056178.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608

Tot Ion:114 Resp: 467291
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 15.2 0.0 31.0

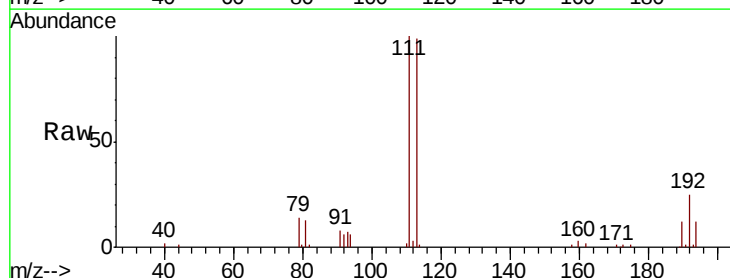


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

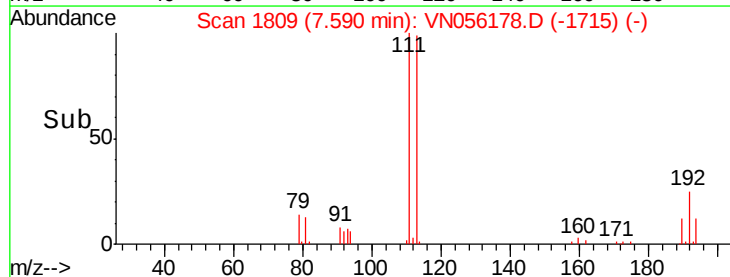
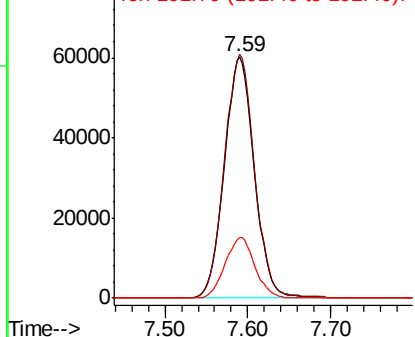


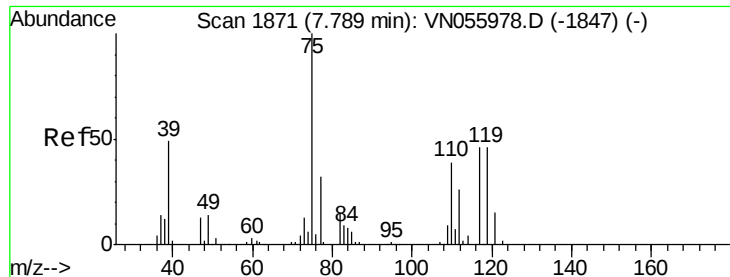
#35
Dibromofluoromethane
Concen: 52.609 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056178.D
Acq: 10 Jun 2019 18:43

Tgt Ion:113 Resp: 150828
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 24.9 19.5 29.3



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: 4.552 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

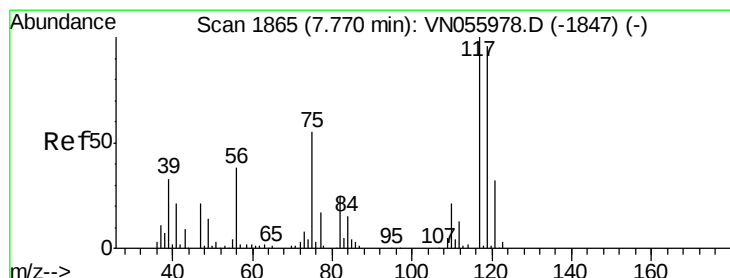
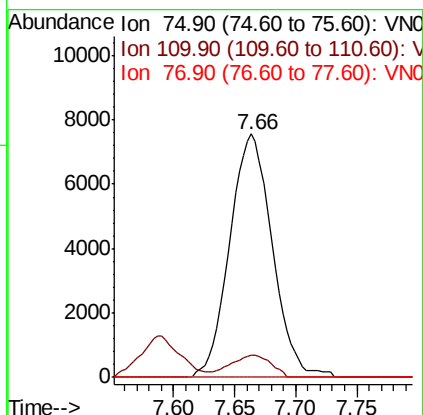
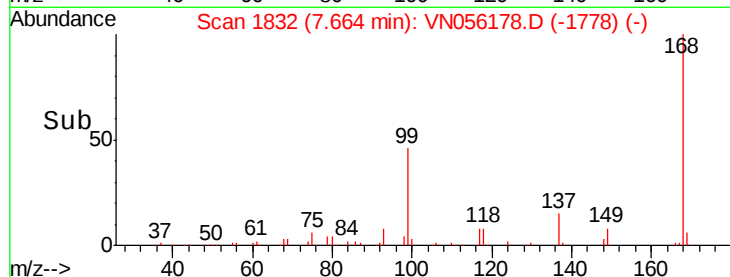
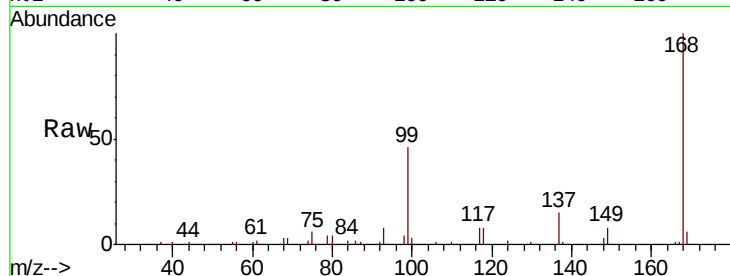
Tot Ion: 75 Resp: 18290

Ion Ratio Lower Upper

75 100

110 8.8 19.0 57.0#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.742 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

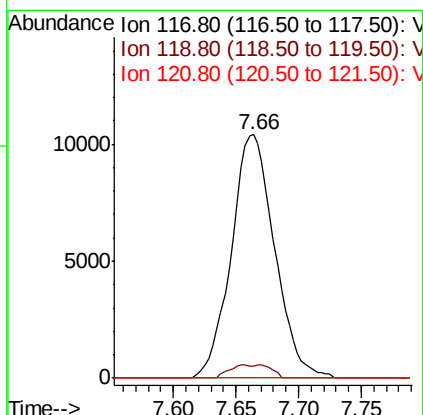
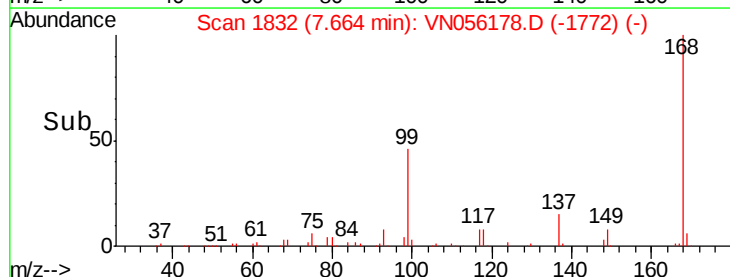
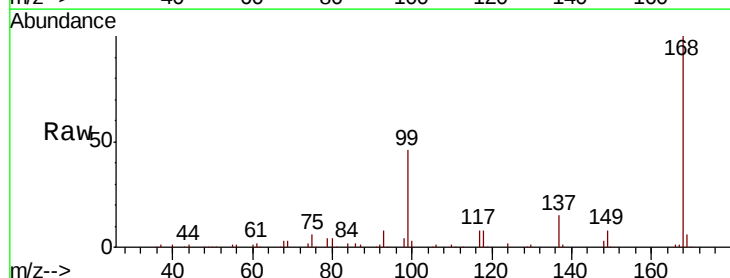
Tgt Ion: 117 Resp: 24974

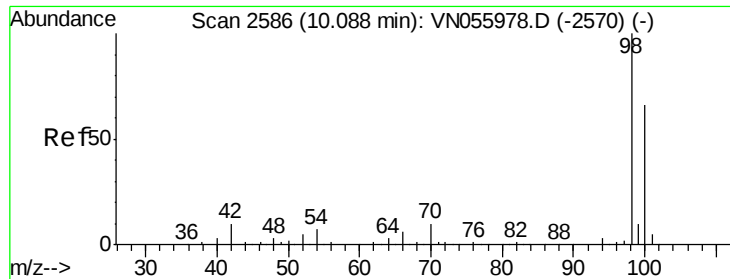
Ion Ratio Lower Upper

117 100

119 4.9 79.0 118.6#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.235 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

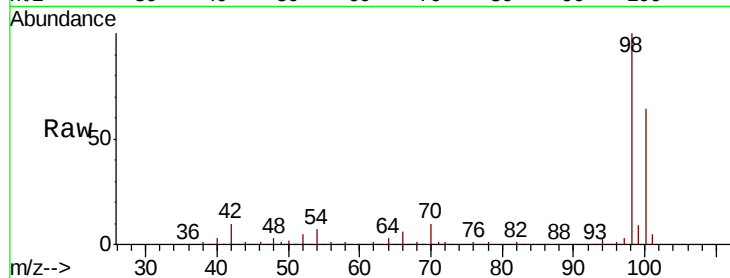
BP-MH-SW4001-SOUTH-20190608

Tot Ion: 98 Resp: 598331

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

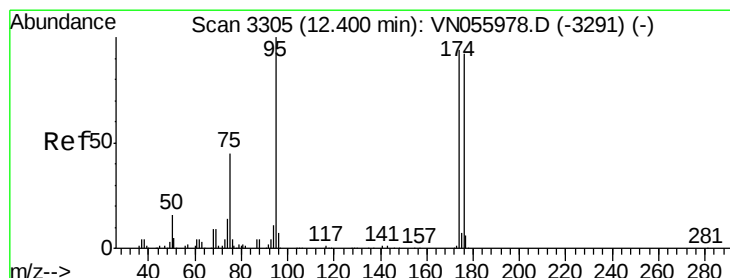
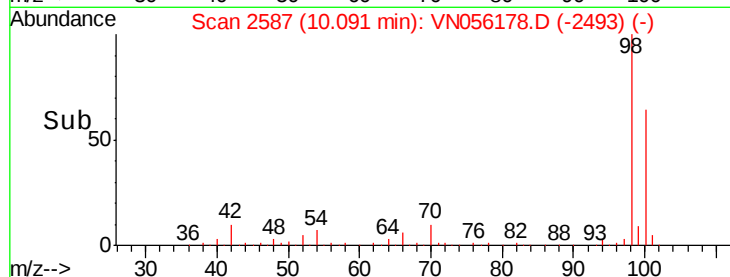
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.345 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

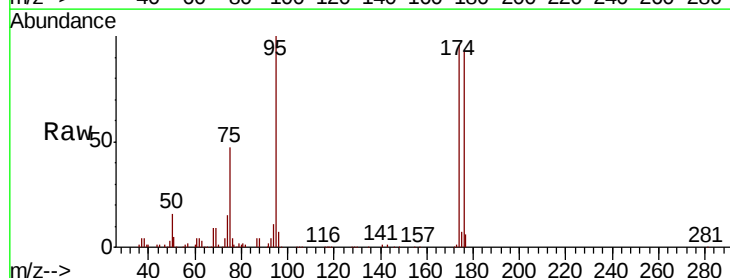
Tgt Ion: 95 Resp: 192634

Ion Ratio Lower Upper

95 100

174 96.5 0.0 191.0

176 94.3 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

12.40

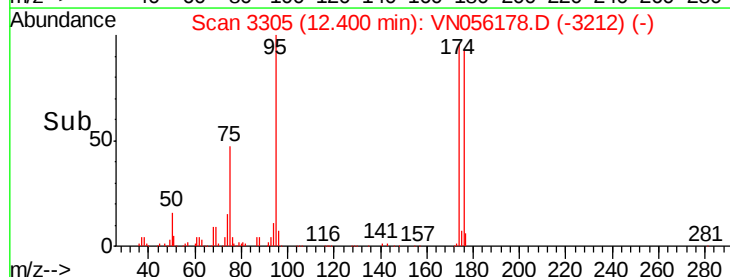
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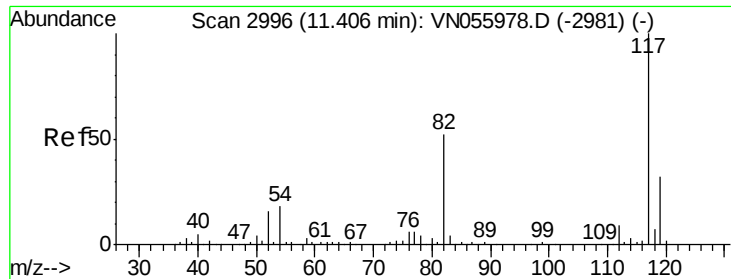
100000

50000

0

Time-->

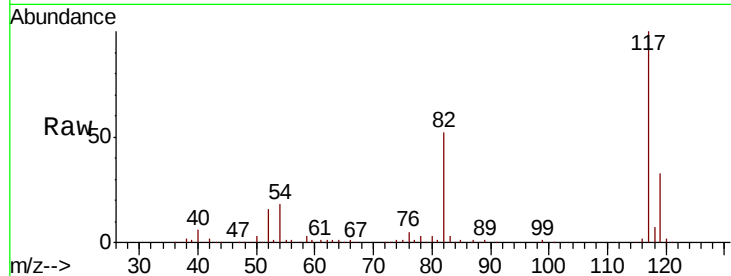




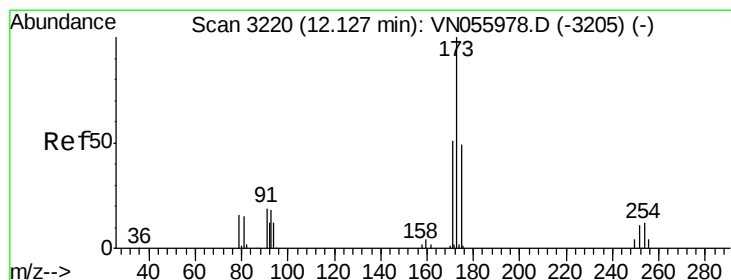
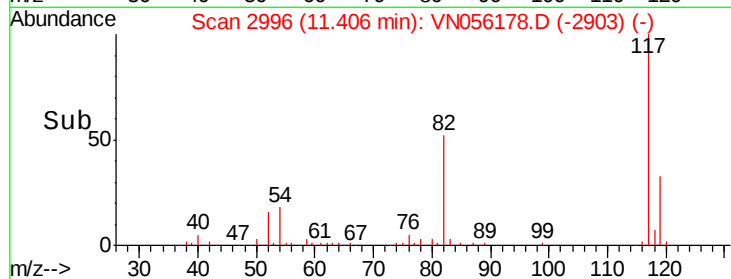
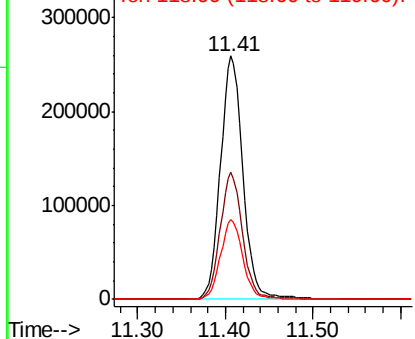
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056178.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608

Tot Ion:117 Resp: 463205
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.6 25.4 38.0

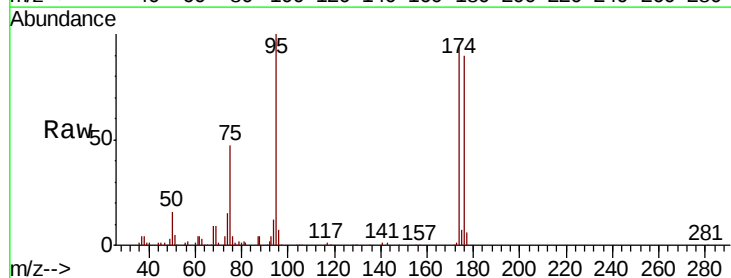


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

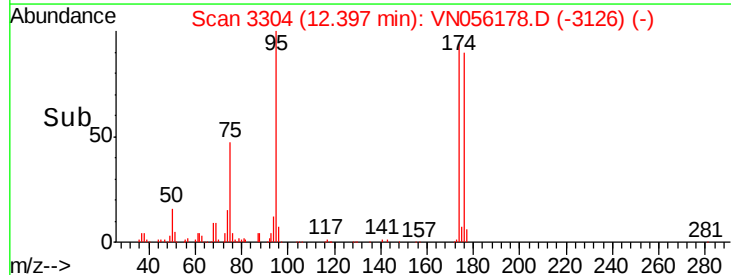
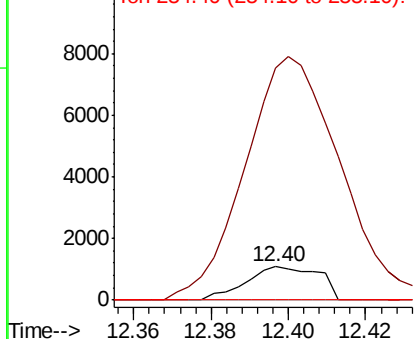


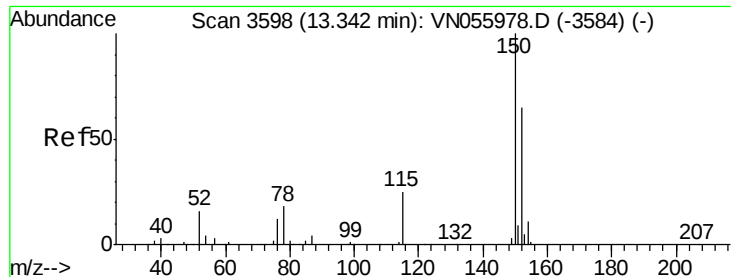
#71
Bromoform
Concen: 3.246 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056178.D
Acq: 10 Jun 2019 18:43

Tgt Ion:173 Resp: 1424
Ion Ratio Lower Upper
173 100
175 818.4 24.3 72.8#
254 0.0 0.0 0.0



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: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

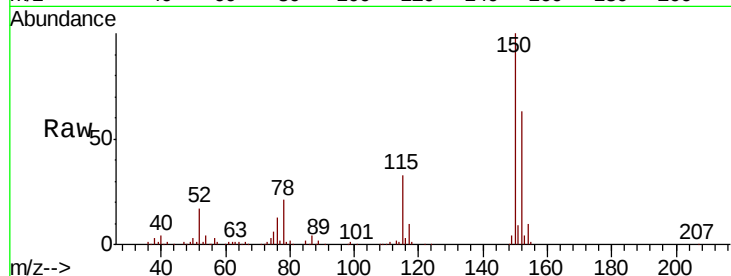
Tot Ion:152 Resp: 145394

Ion Ratio Lower Upper

152 100

115 51.6 27.0 81.0

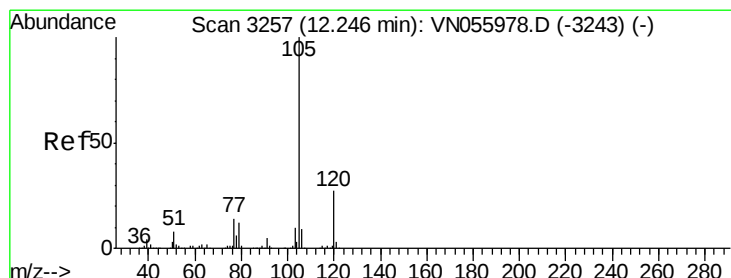
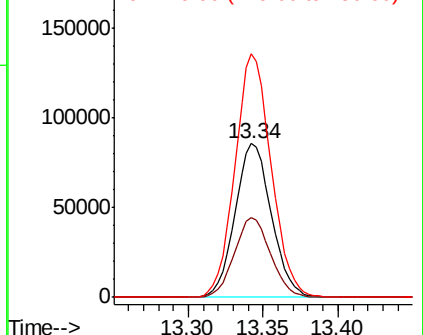
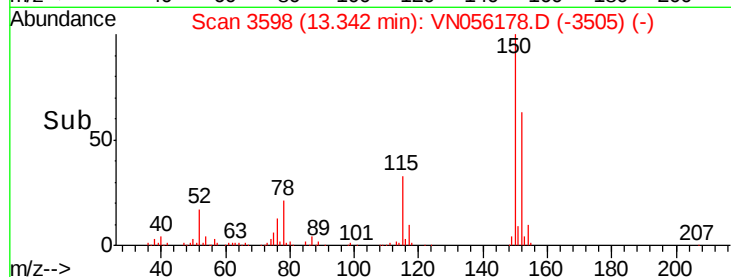
150 157.1 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN056178.D

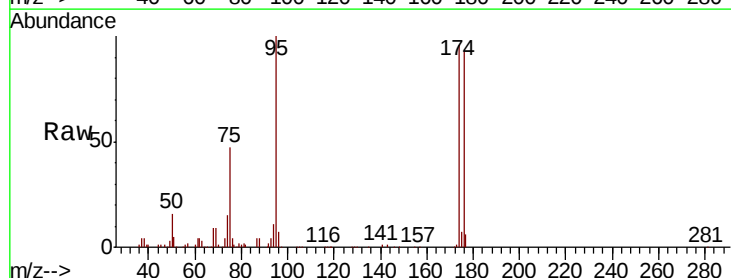
Acq: 10 Jun 2019 18:43

Tgt Ion:105 Resp: 130

Ion Ratio Lower Upper

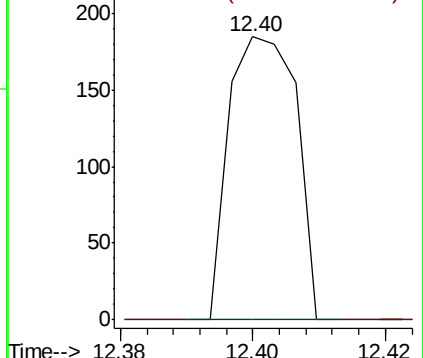
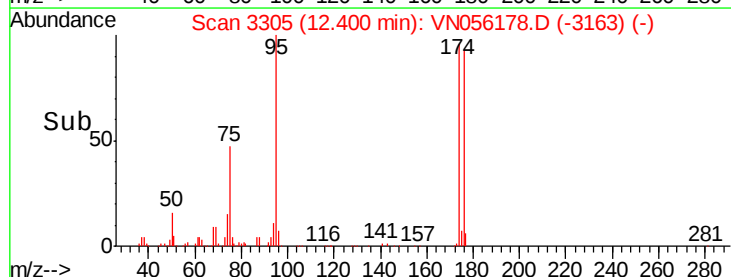
105 100

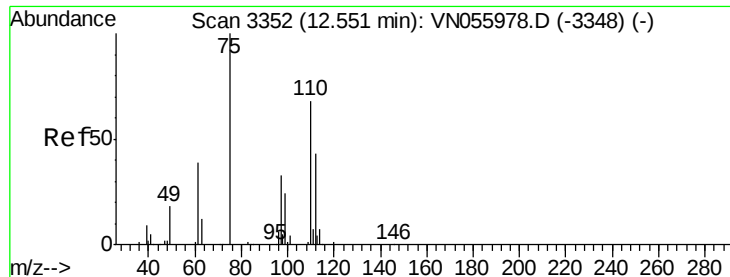
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.133 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

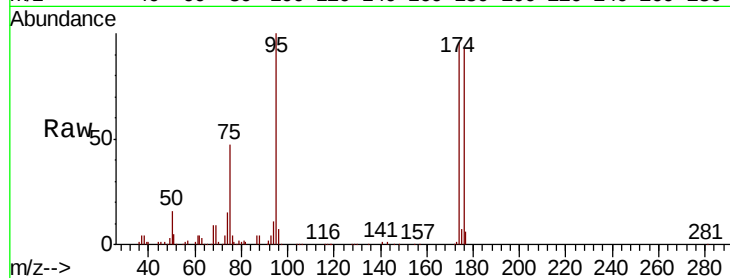
BP-MH-SW4001-SOUTH-20190608

Tot Ion: 75 Resp: 88641

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

50000

40000

30000

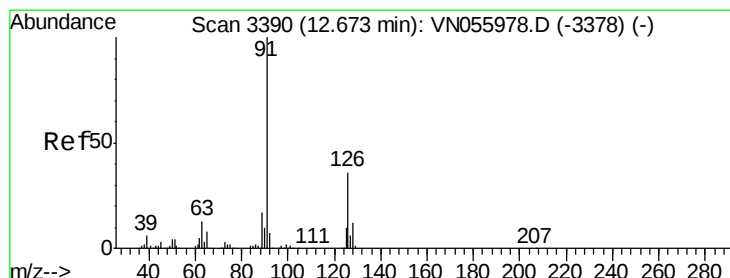
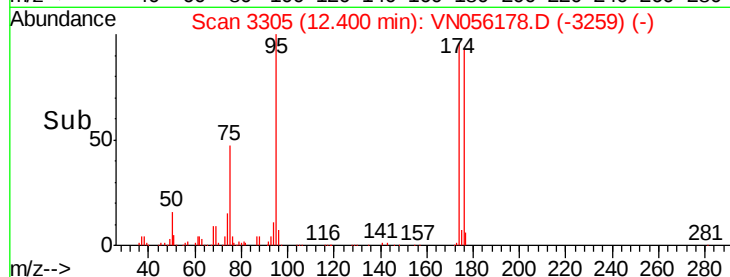
20000

10000

0

12.35 12.40 12.45 12.50

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056178.D

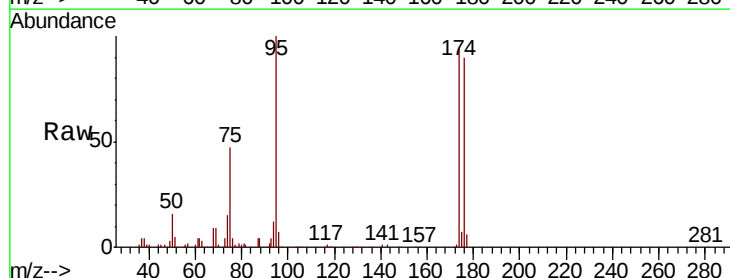
Acq: 10 Jun 2019 18:43

Tgt Ion: 91 Resp: 398

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

300

250

200

150

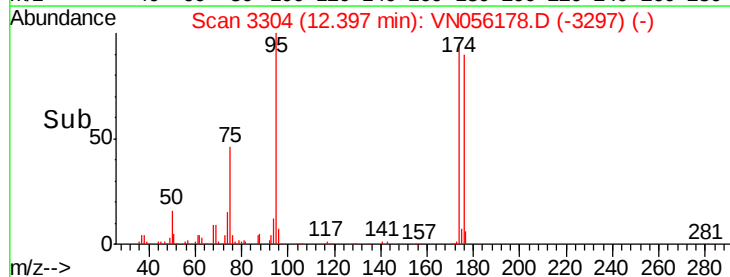
100

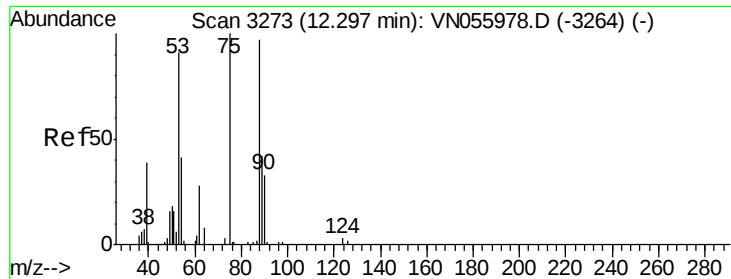
50

0

12.38 12.40 12.42

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 110.339 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056178.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

Tot Ion: 75 Resp: 88641

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

