

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056227.D
 Acq On : 11 Jun 2019 16:52
 Operator : JC/SP
 Sample : K3284-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190610

Quant Time: Jun 12 06:34:59 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	284250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	428340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	424062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131486	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	152351	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	7.59	113	141004	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	10.09	98	552264	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.40	95	170633	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

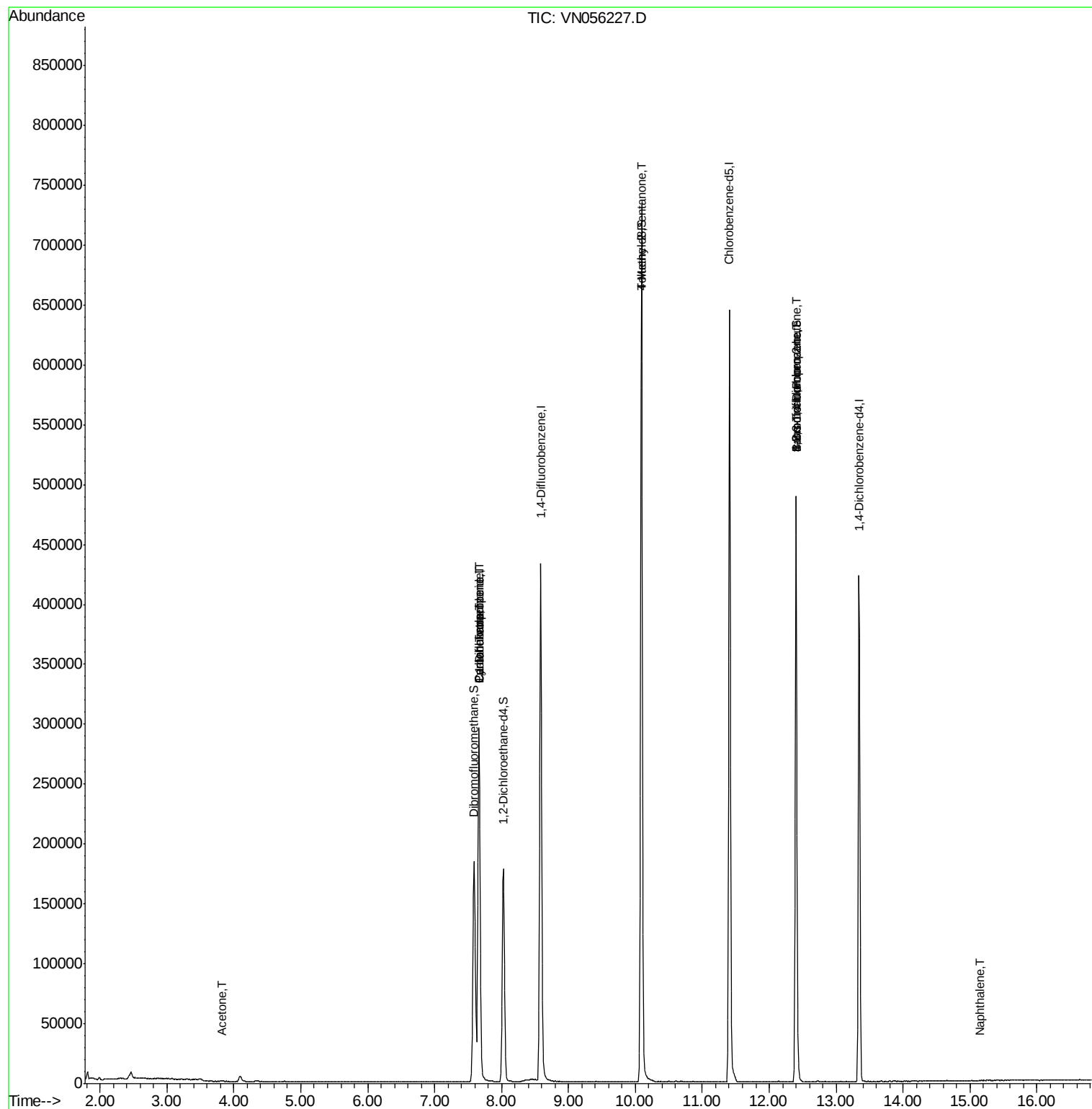
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	845	0.626	ug/l #	67
18) Methyl Acetate	4.33	43	1226	Below Cal	#	51
31) Cyclohexane	7.66	56	3943	0.880	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16284	4.421	ug/l #	49
38) Carbon Tetrachloride	7.66	117	23137	6.814	ug/l #	15
51) 4-Methyl-2-Pentanone	10.09	43	2091	0.630	ug/l #	1
71) Bromoform	12.40	173	1476	3.312	ug/l #	1
73) Isopropylbenzene	12.40	105	29	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	78692	32.525	ug/l #	100
79) 2-Chlorotoluene	12.40	91	366	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	78692	108.316	ug/l #	15
95) Naphthalene	15.14	128	29	3.856	ug/l #	69

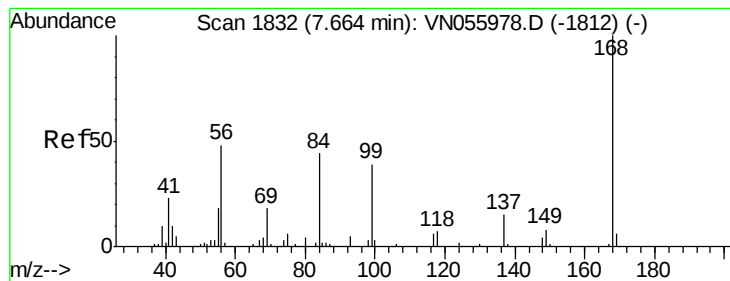
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061119\
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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: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

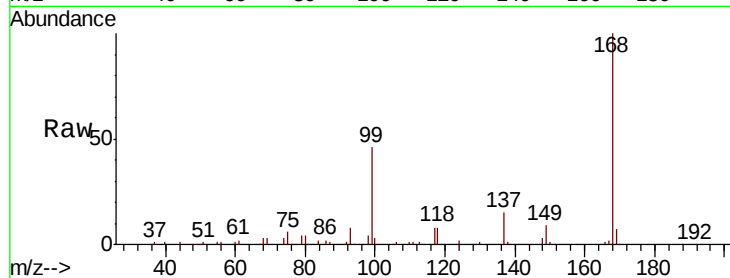
BP-MH-SW4001-SOUTH-20190610

Tot Ion:168 Resp: 284250

Ion Ratio Lower Upper

168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

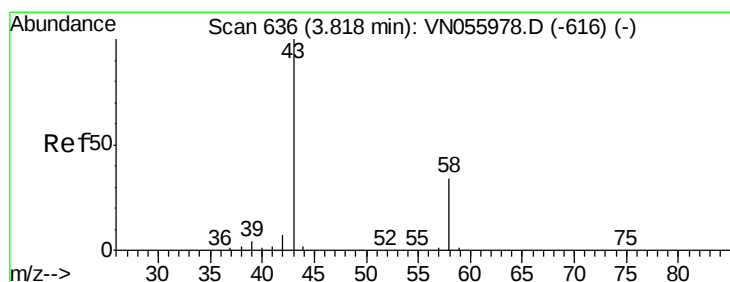
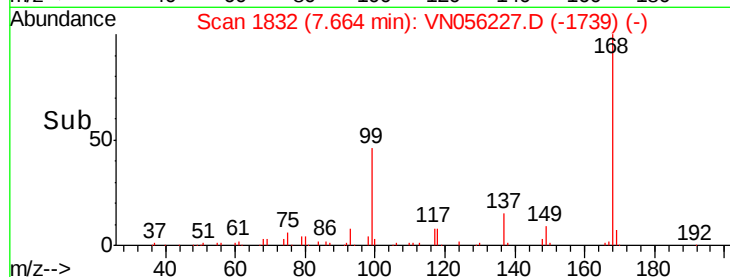
100000

50000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 0.626 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056227.D

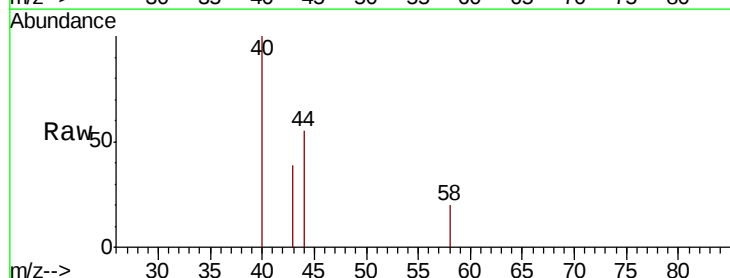
Acq: 11 Jun 2019 16:52

Tgt Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

58 51.8 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

500

400

300

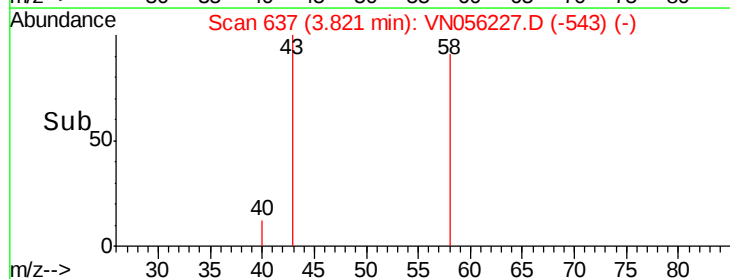
200

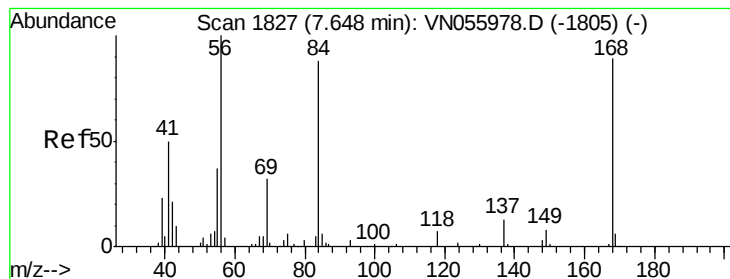
100

0

Time-->

3.78 3.80 3.82 3.84





#31

Cyclohexane

Concen: 0.880 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190610

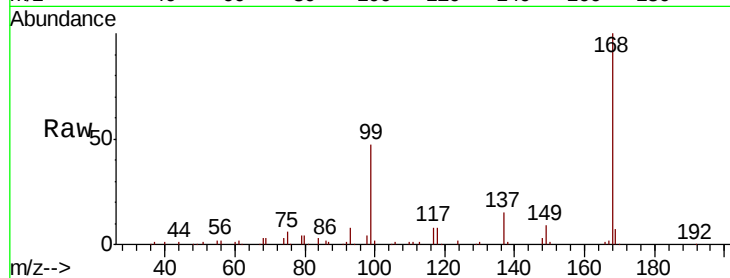
Tot Ion: 56 Resp: 3943

Ion Ratio Lower Upper

56 100

69 188.7 25.6 38.4#

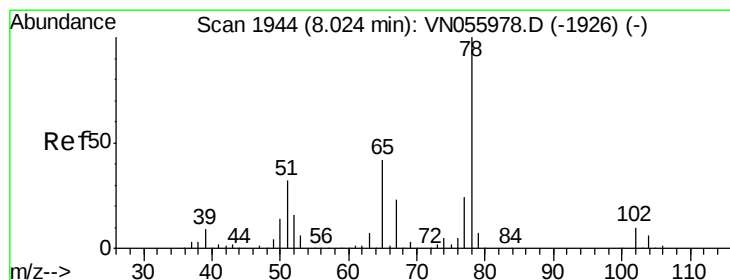
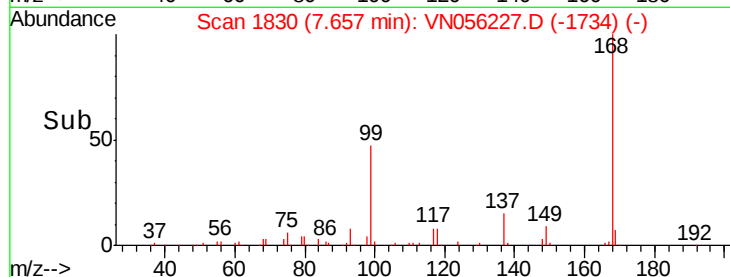
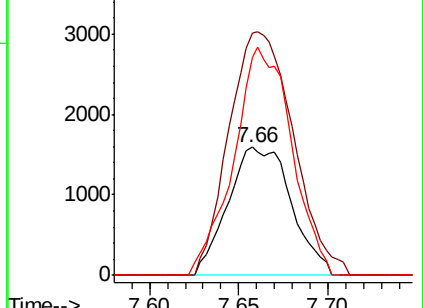
84 170.2 67.4 101.0#



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: 53.980 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056227.D

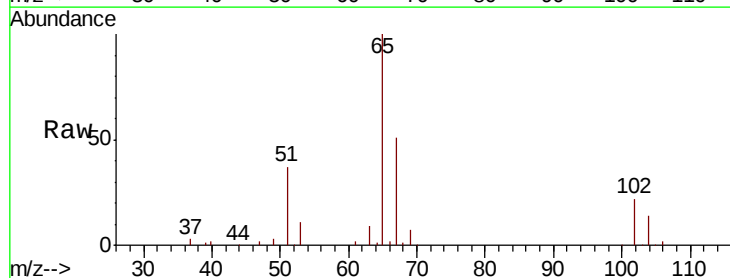
Acq: 11 Jun 2019 16:52

Tgt Ion: 65 Resp: 152351

Ion Ratio Lower Upper

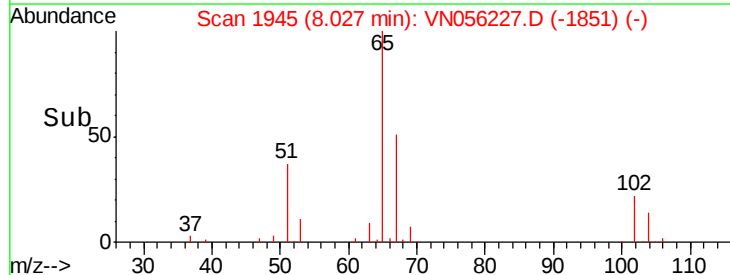
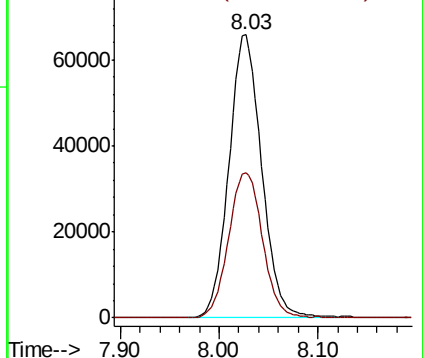
65 100

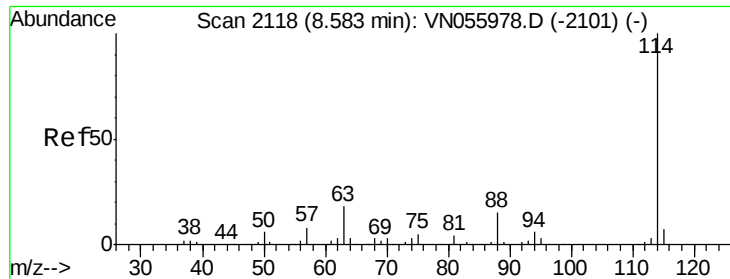
67 53.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

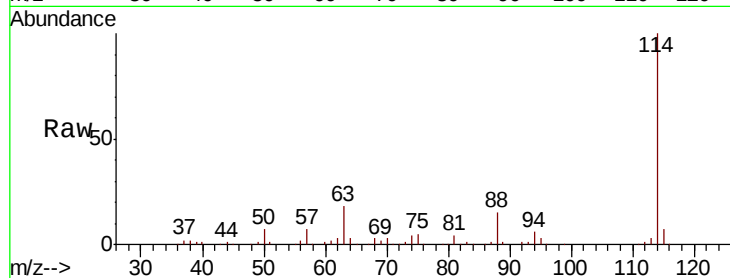




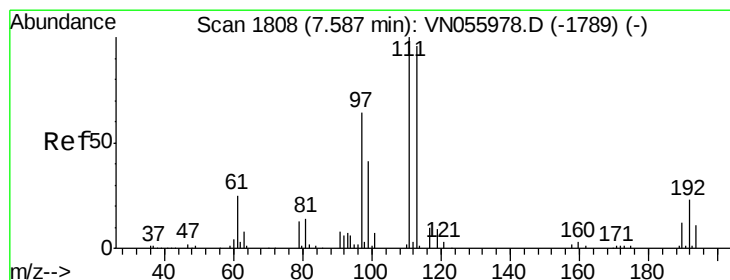
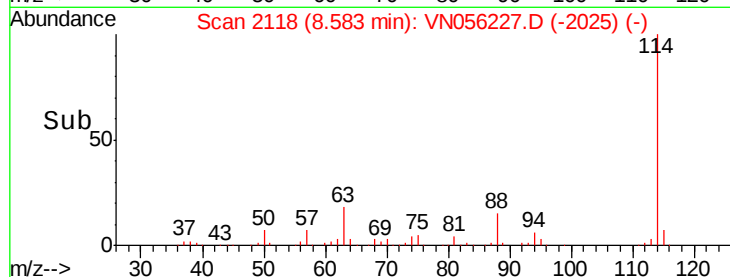
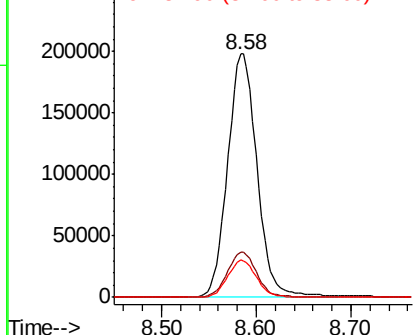
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056227.D
Acq: 11 Jun 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190610

Tot Ion:114 Resp: 428340
Ion Ratio Lower Upper
114 100
63 18.5 0.0 39.2
88 15.2 0.0 31.0

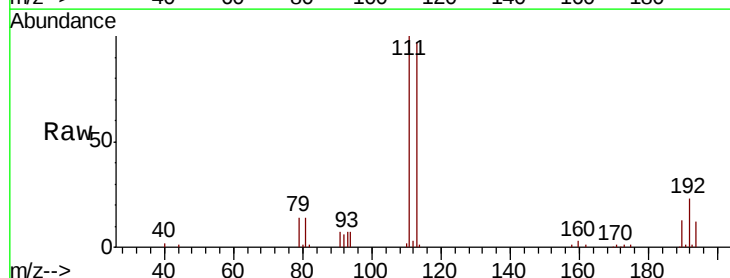


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

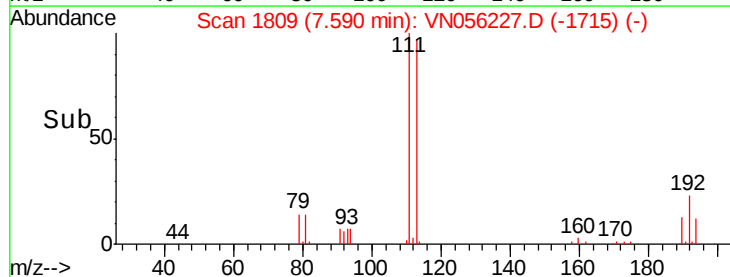
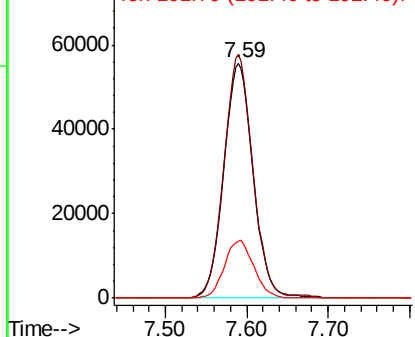


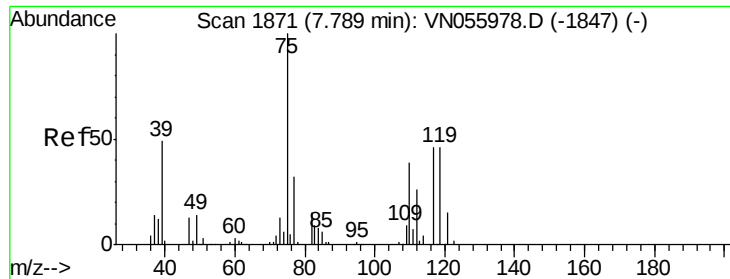
#35
Dibromofluoromethane
Concen: 53.654 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056227.D
Acq: 11 Jun 2019 16:52

Tgt Ion:113 Resp: 141004
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 24.5 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

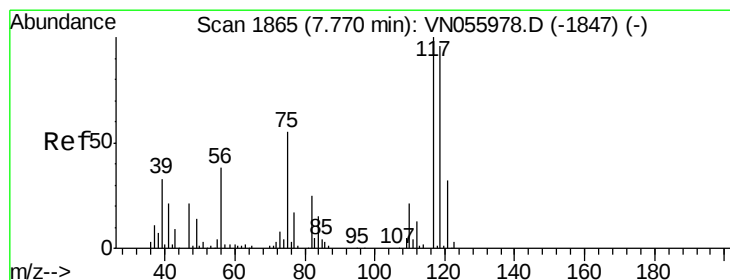
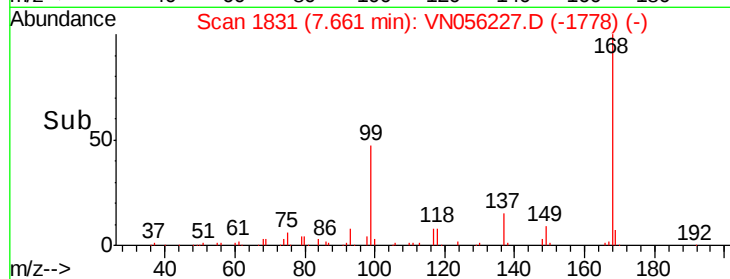
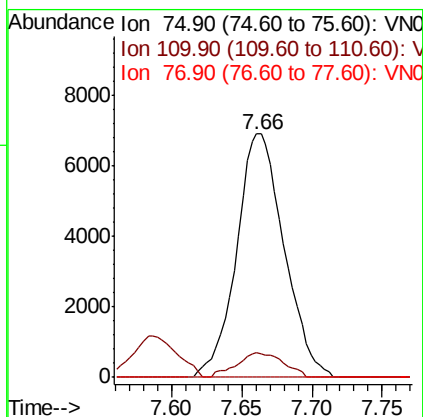
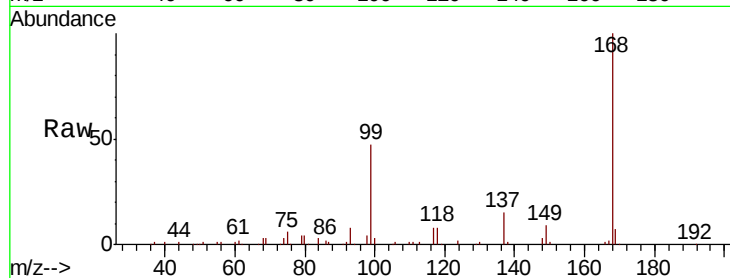




#36
 1,1-Dichloropropene
 Concen: 4.421 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056227.D
 Acq: 11 Jun 2019 16:52

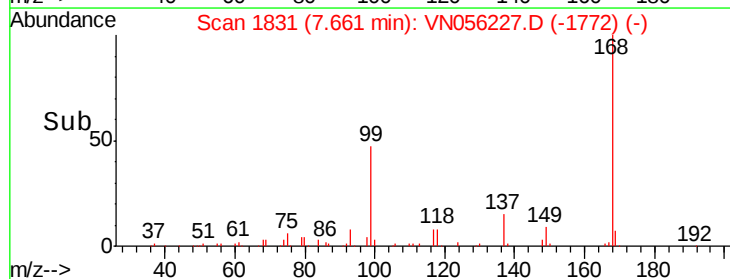
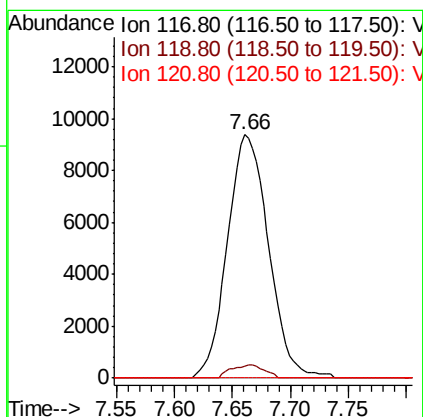
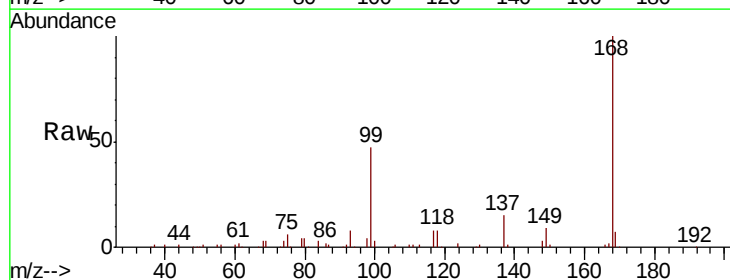
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190610

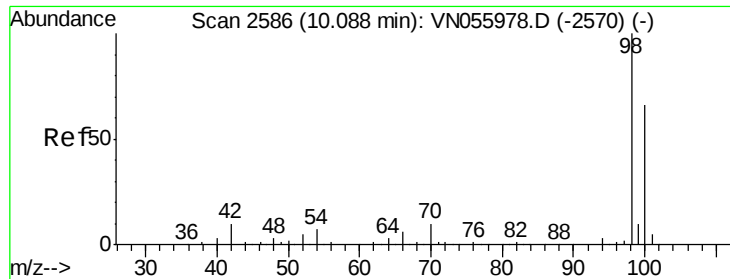
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.814 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056227.D
 Acq: 11 Jun 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	79.0	118.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 54.612 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

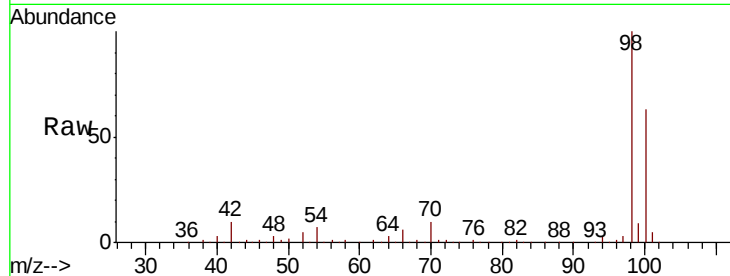
BP-MH-SW4001-SOUTH-20190610

Tot Ion: 98 Resp: 552264

Ion Ratio Lower Upper

98 100

100 64.0 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

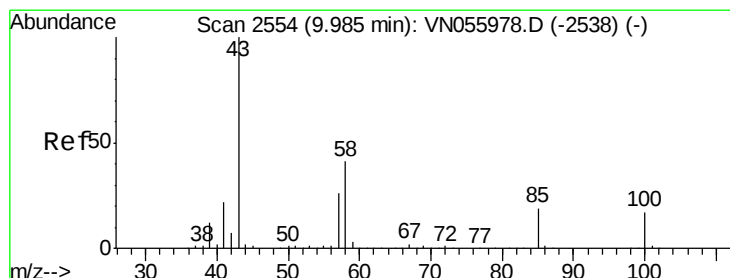
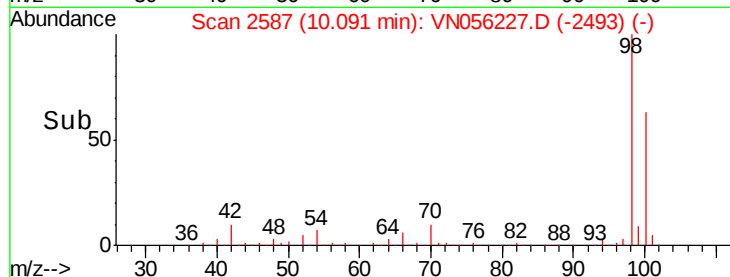
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.630 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056227.D

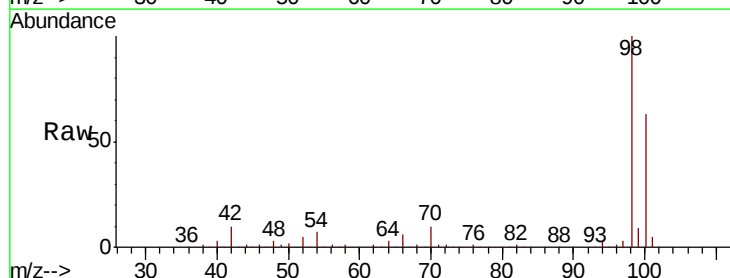
Acq: 11 Jun 2019 16:52

Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

43 100

58 183.4 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

10.09

2500

2000

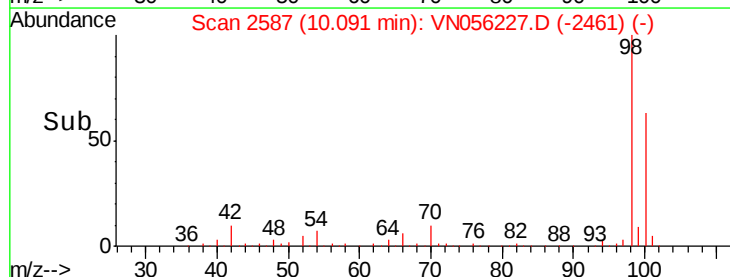
1500

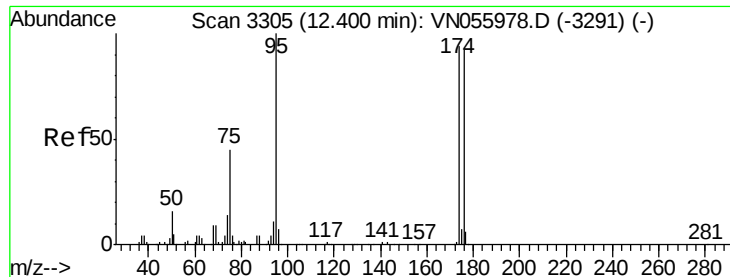
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.616 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190610

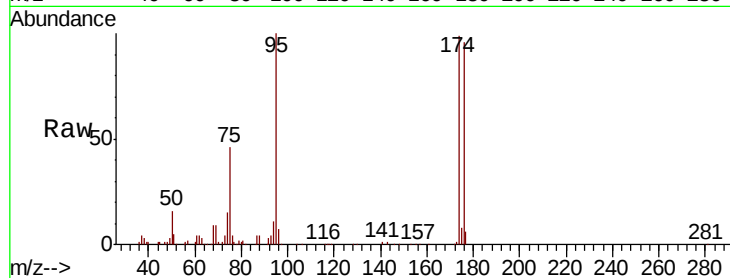
Tot Ion: 95 Resp: 170633

Ion Ratio Lower Upper

95 100

174 99.7 0.0 191.0

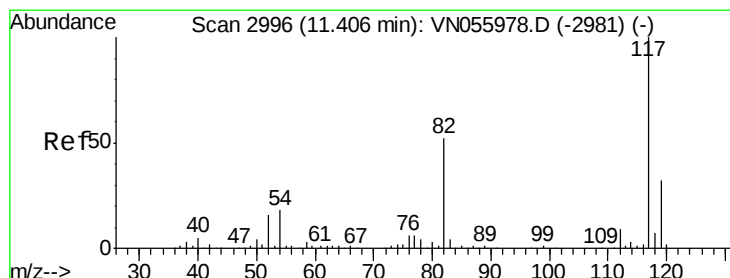
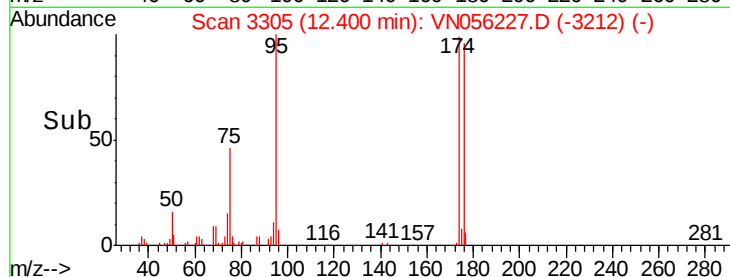
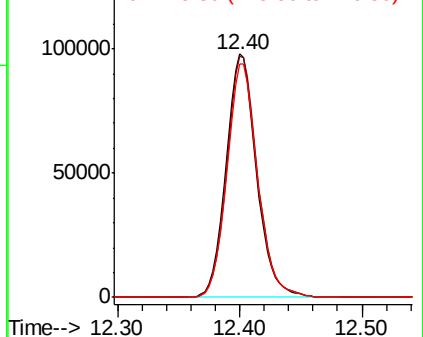
176 96.7 0.0 185.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

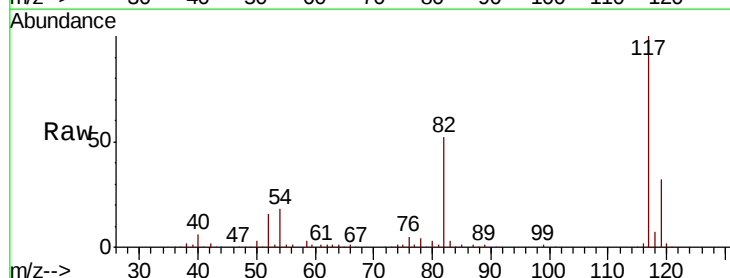
Tgt Ion: 117 Resp: 424062

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

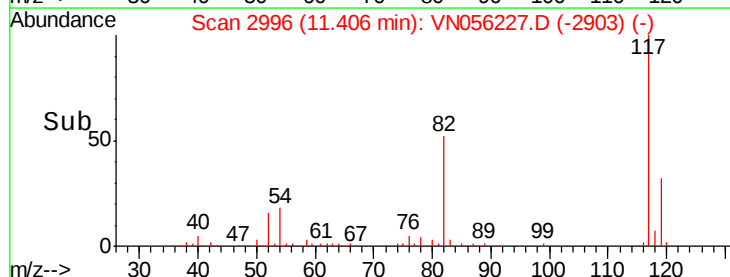
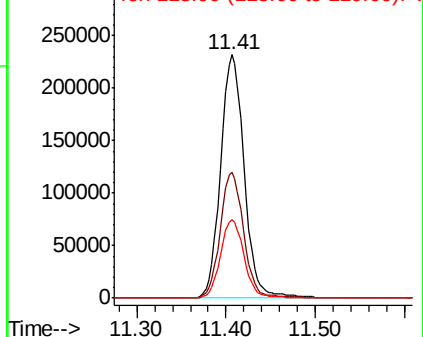
119 32.5 25.4 38.0

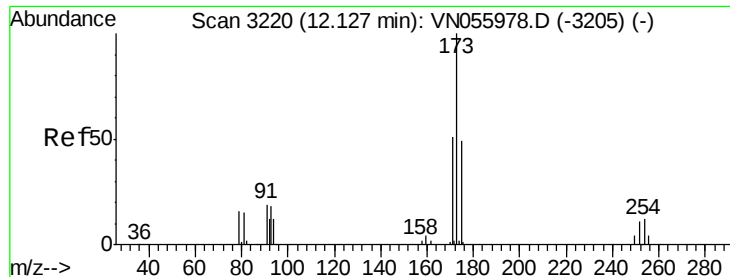


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#71

Bromoform

Concen: 3.312 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190610

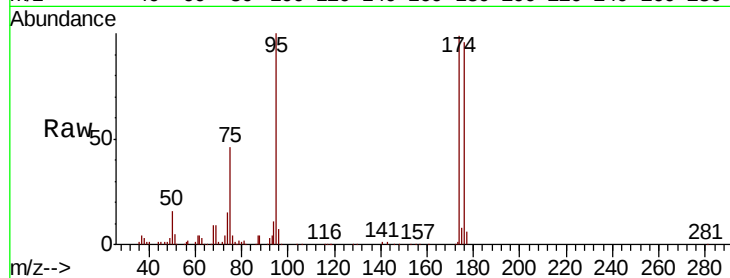
Tot Ion:173 Resp: 1476

Ion Ratio Lower Upper

173 100

175 738.8 24.3 72.8#

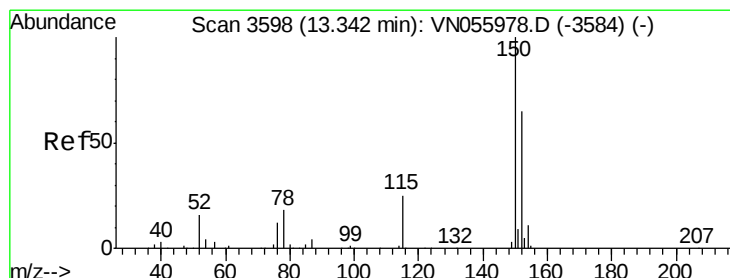
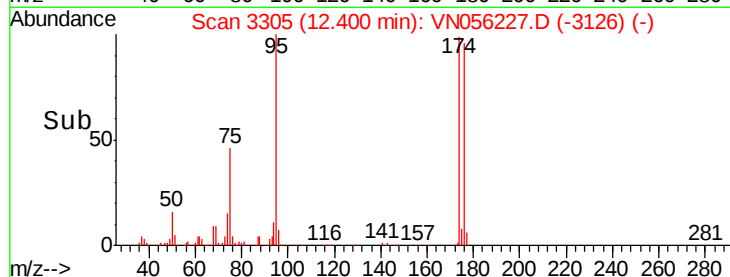
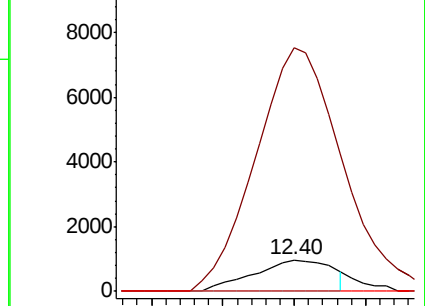
254 0.0 0.0 0.0



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: VN056227.D

Acq: 11 Jun 2019 16:52

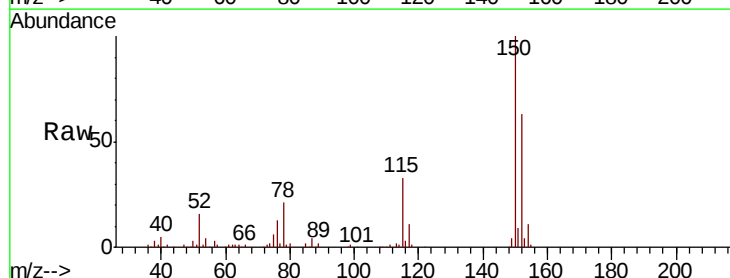
Tgt Ion:152 Resp: 131486

Ion Ratio Lower Upper

152 100

115 51.8 27.0 81.0

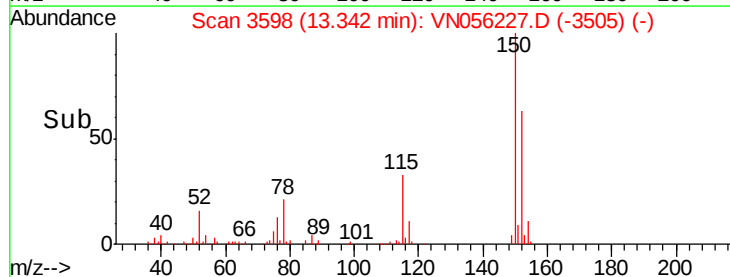
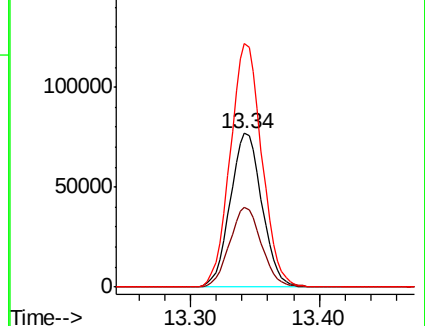
150 157.4 0.0 343.2

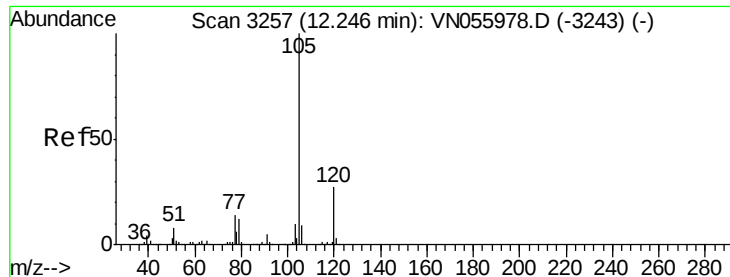


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3306

Delta R.T. 0.16 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

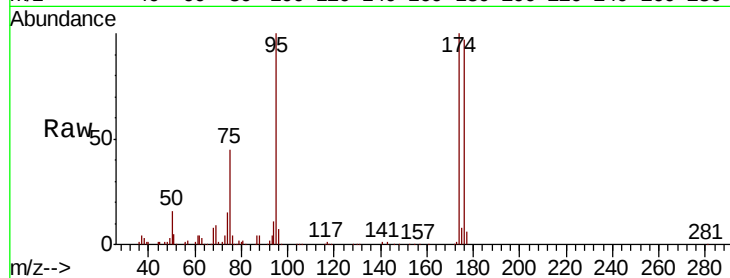
BP-MH-SW4001-SOUTH-20190610

Tot Ion: 105 Resp: 29

Ion Ratio Lower Upper

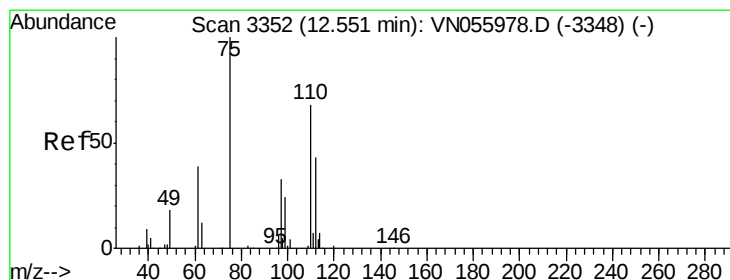
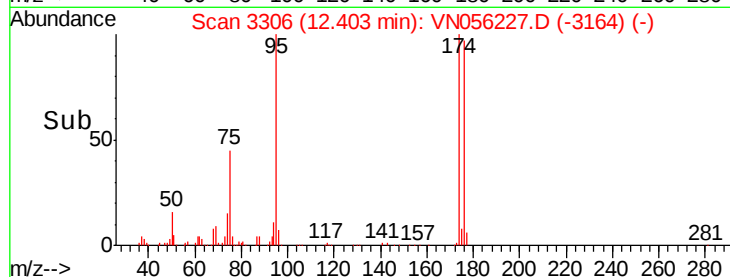
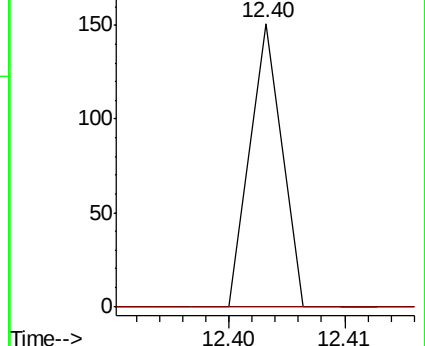
105 100

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: 32.525 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056227.D

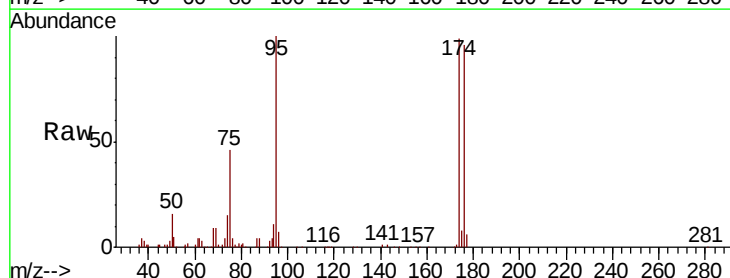
Acq: 11 Jun 2019 16:52

Tgt Ion: 75 Resp: 78692

Ion Ratio Lower Upper

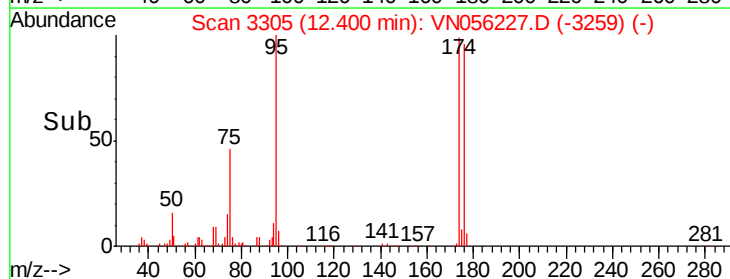
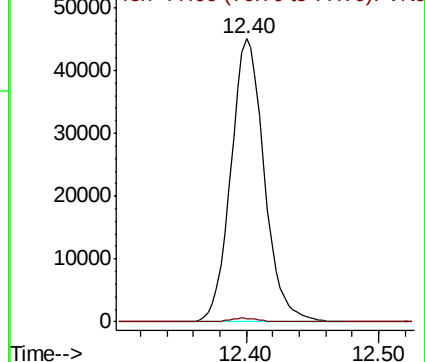
75 100

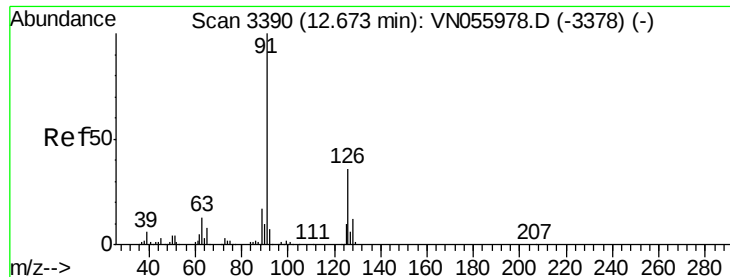
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

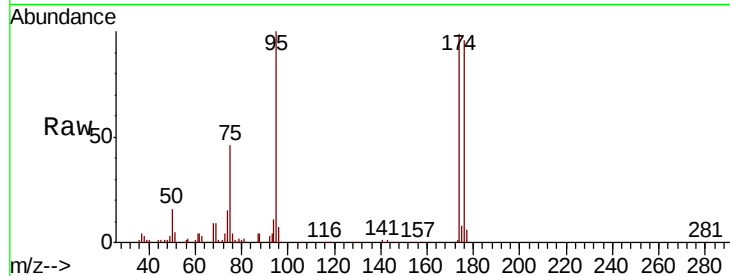
BP-MH-SW4001-SOUTH-20190610

Tot Ion: 91 Resp: 366

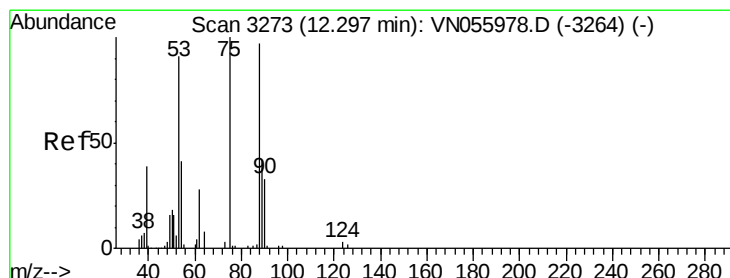
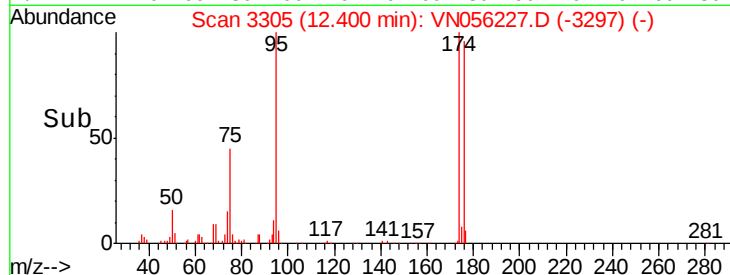
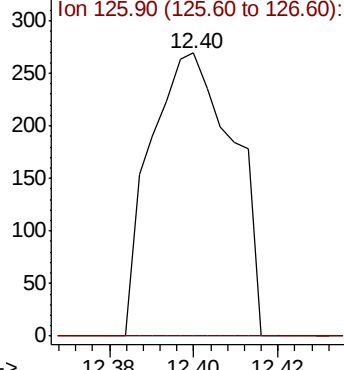
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 108.316 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056227.D

Acq: 11 Jun 2019 16:52

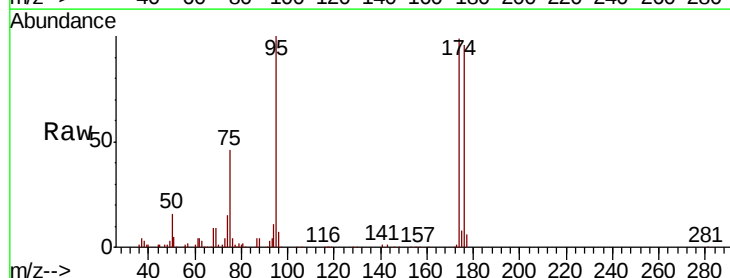
Tgt Ion: 75 Resp: 78692

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

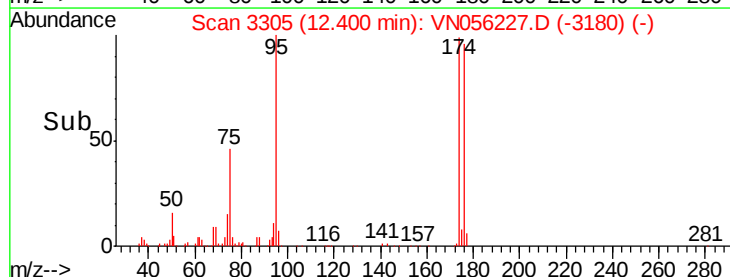
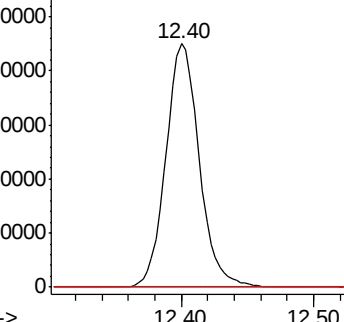
89 0.0 36.9 55.3#

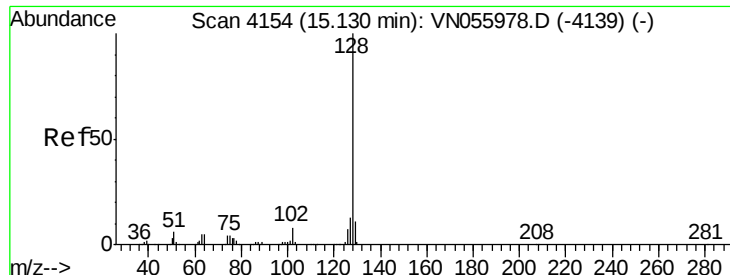


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.856 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN056227.D

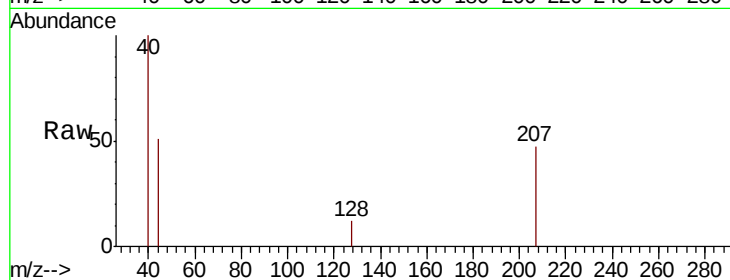
Acq: 11 Jun 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190610



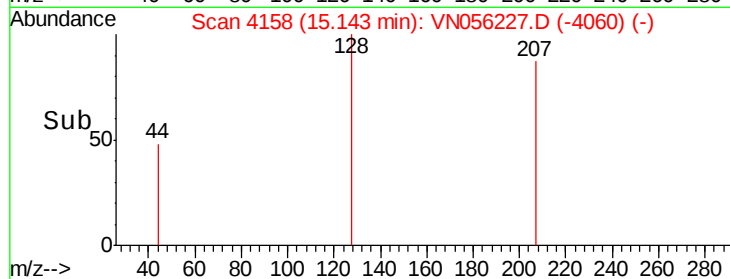
Tot Ion:128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

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

