

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056070.D
 Acq On : 7 Jun 2019 2:14
 Operator : JC/SP
 Sample : K3190-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW3071-20190604

Quant Time: Jun 07 05:33:45 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	343277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	514942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162668	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	180052	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
35) Dibromofluoromethane	7.59	113	155563	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	10.09	98	652599	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.40	95	210370	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

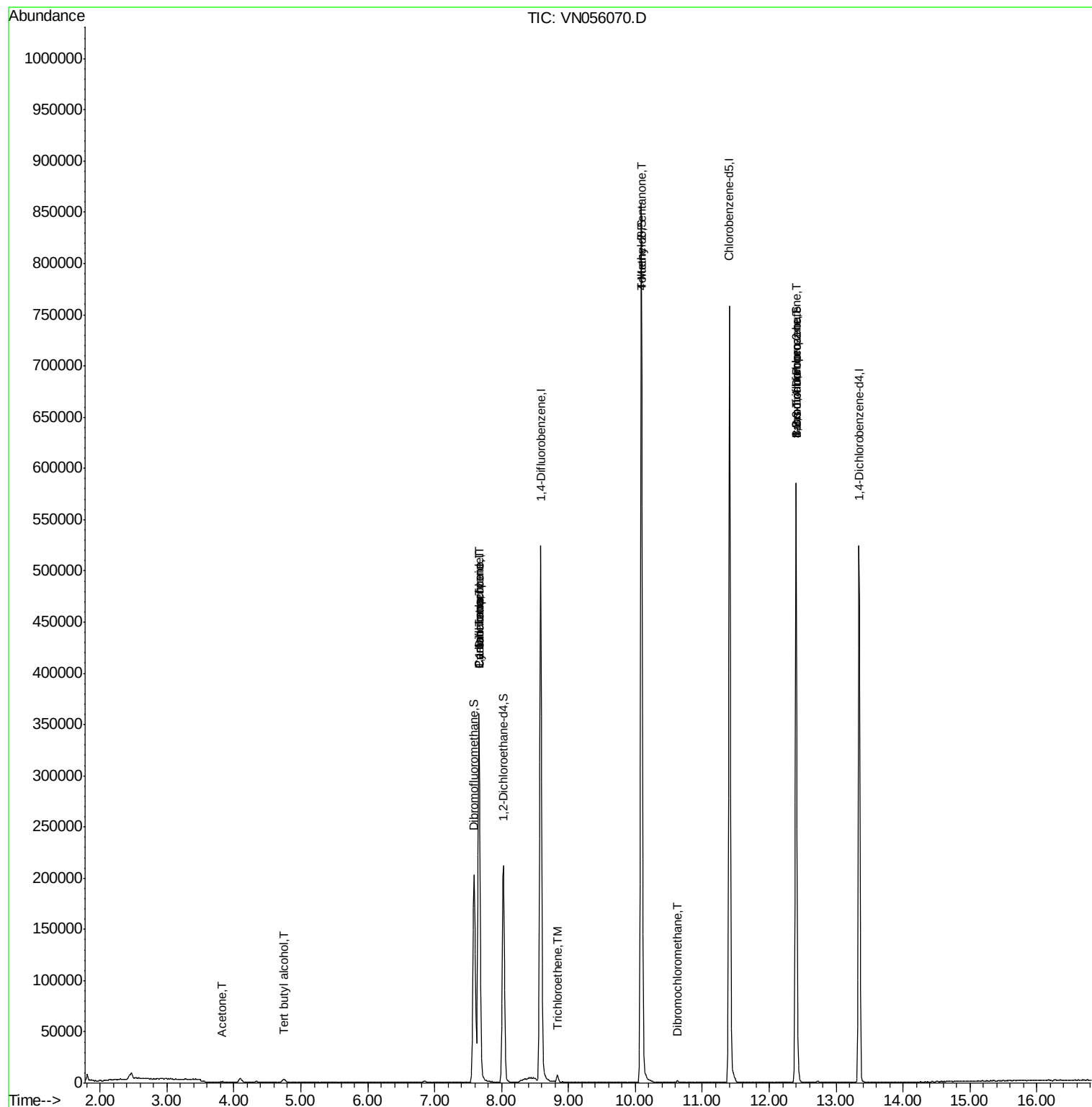
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	1760	2.967	ug/l #	74
16) Acetone	3.83	43	1526	0.936	ug/l	97
31) Cyclohexane	7.66	56	4926	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19471	4.397	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27978	6.854	ug/l #	15
44) Trichloroethene	8.84	130	3115	0.806	ug/l	81
51) 4-Methyl-2-Pentanone	10.09	43	2495	0.625	ug/l #	1
60) Dibromochloromethane	10.63	129	457	2.571	ug/l #	11
71) Bromoform	12.40	173	1552	3.262	ug/l #	1
73) Isopropylbenzene	12.40	105	101	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	95273	31.830	ug/l #	100
79) 2-Chlorotoluene	12.59	91	68	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	95273	106.001	ug/l #	15

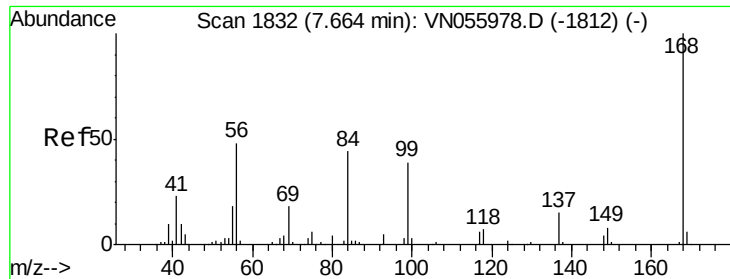
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

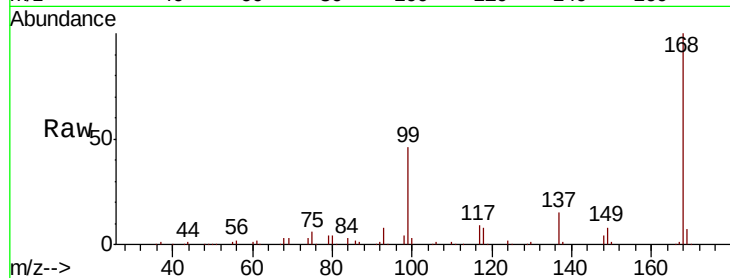
BPS1-TT-MW307I-20190604

Tot Ion:168 Resp: 343277

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

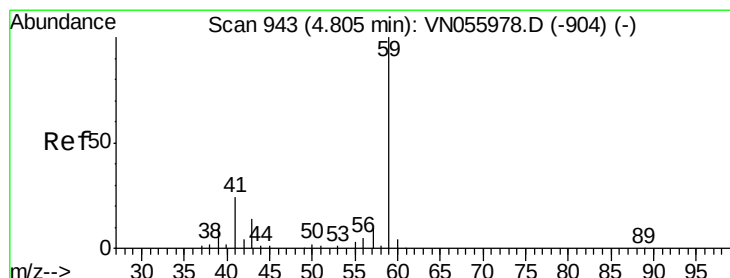
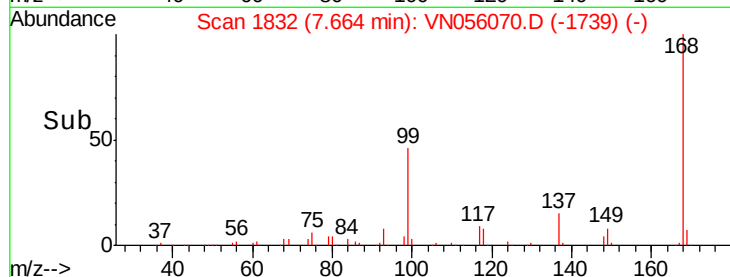
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.967 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056070.D

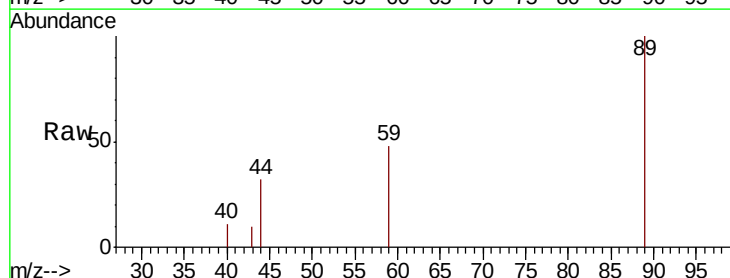
Acq: 7 Jun 2019 2:14

Tgt Ion: 59 Resp: 1760

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.74

1000

800

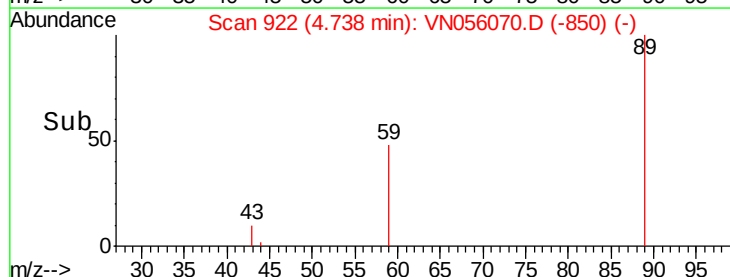
600

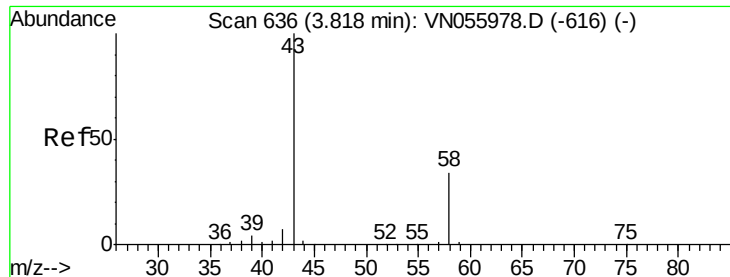
400

200

0

Time-->





#16

Acetone

Concen: 0.936 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

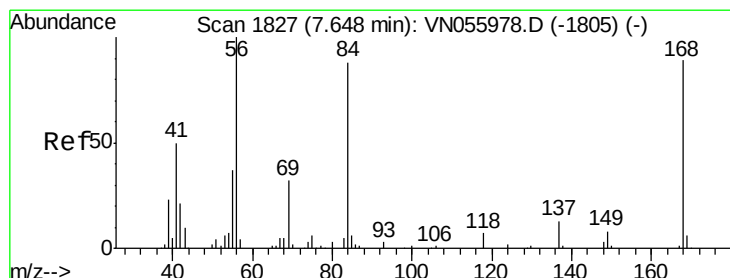
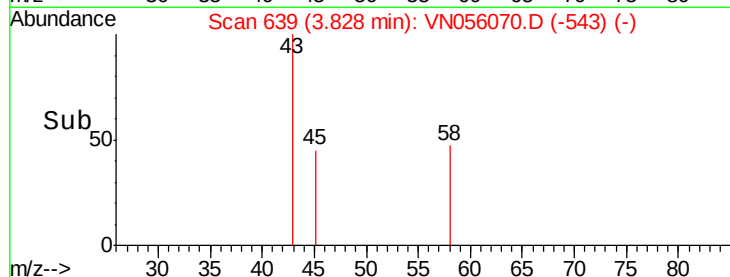
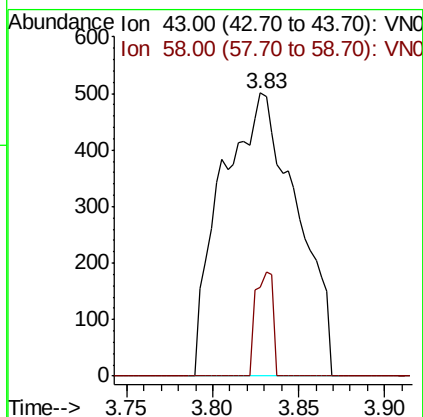
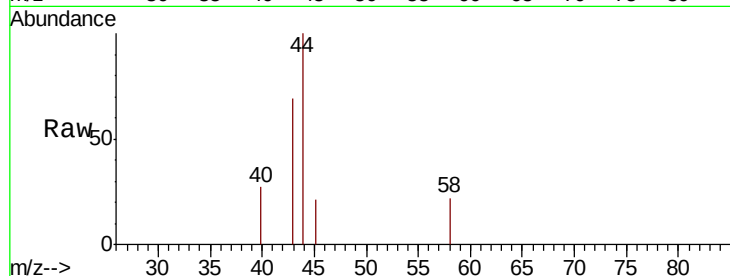
BPS1-TT-MW307I-20190604

Tot Ion: 43 Resp: 1526

Ion Ratio Lower Upper

43 100

58 31.5 26.6 39.8



#31

Cyclohexane

Concen: 0.911 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

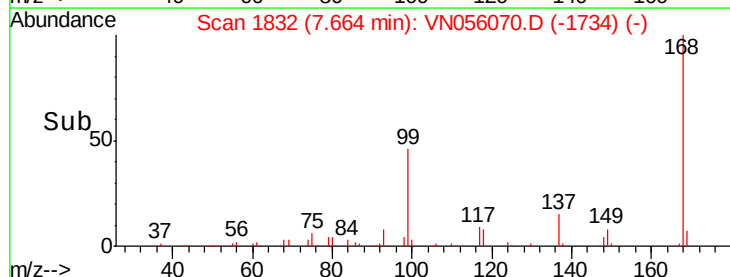
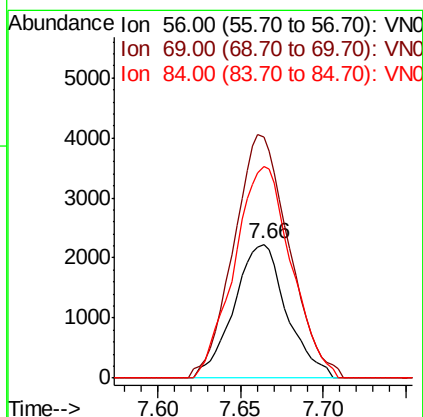
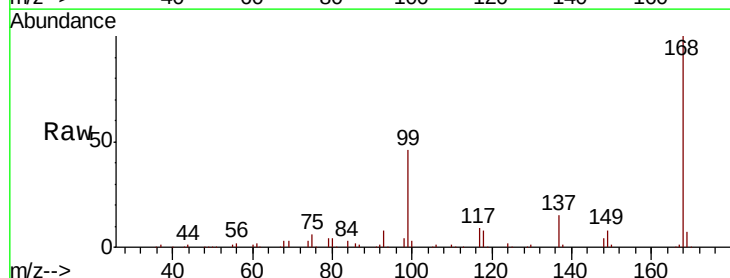
Tgt Ion: 56 Resp: 4926

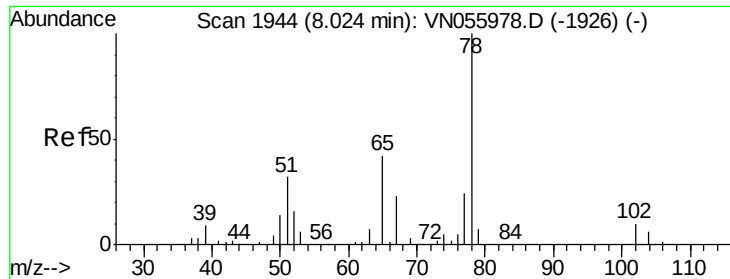
Ion Ratio Lower Upper

56 100

69 180.2 25.6 38.4#

84 158.1 67.4 101.0#

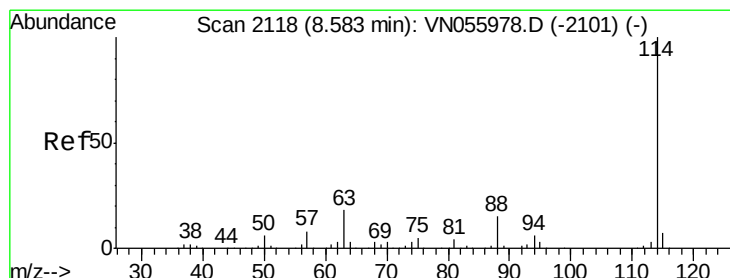
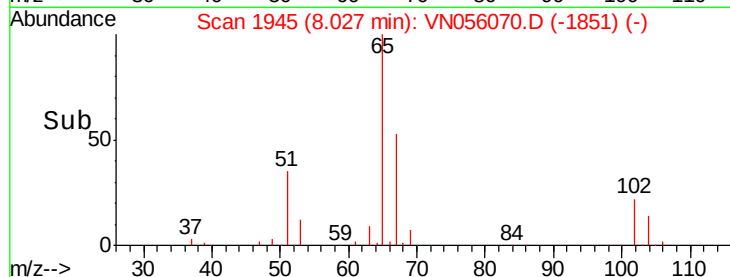
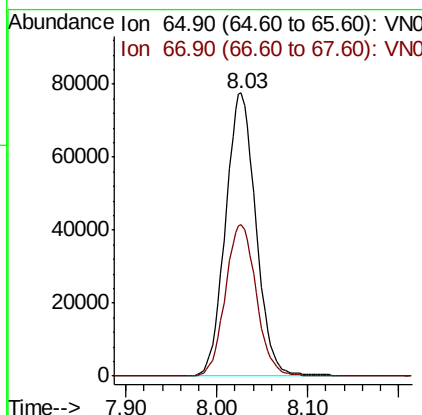
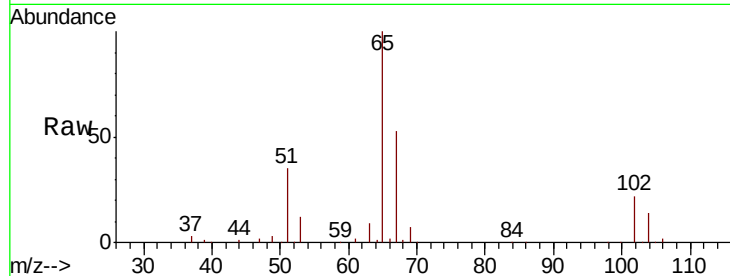




#33
 1,2-Dichloroethane-d4
 Concen: 52.825 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056070.D
 Acq: 7 Jun 2019 2:14

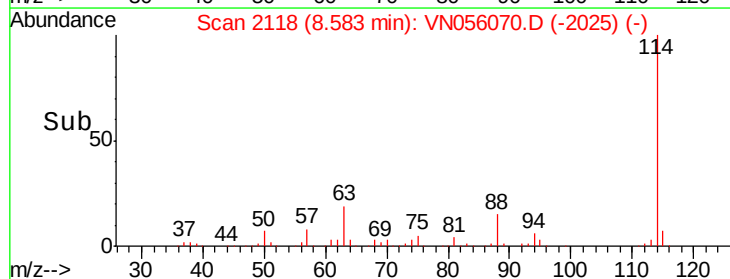
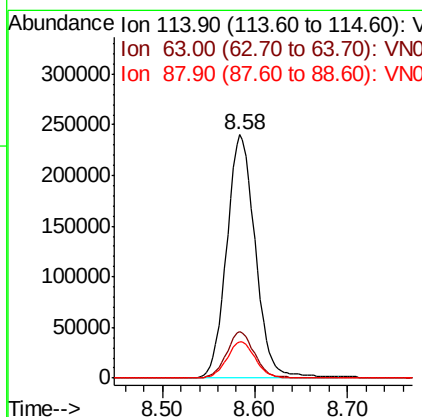
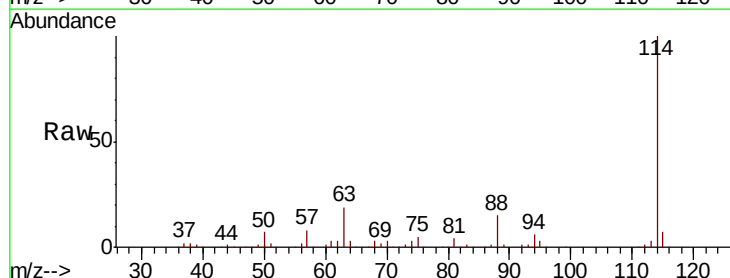
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW307I-20190604

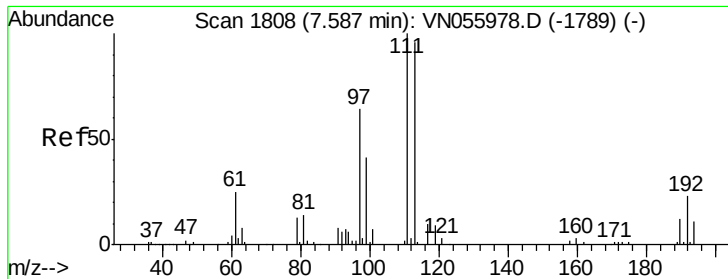
Tot Ion: 65 Resp: 180052
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056070.D
 Acq: 7 Jun 2019 2:14

Tgt Ion: 114 Resp: 514942
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 15.1 0.0 31.0

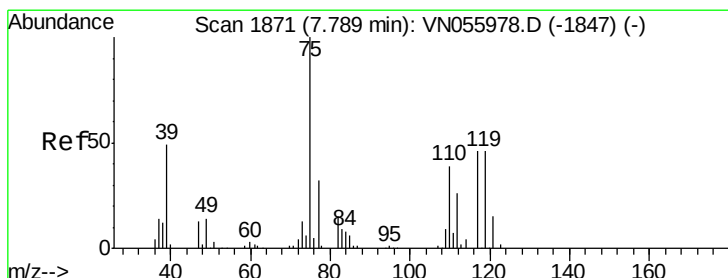
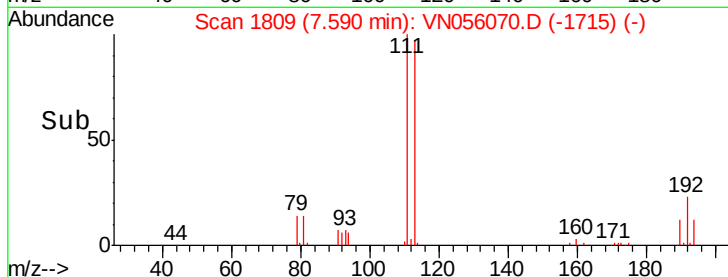
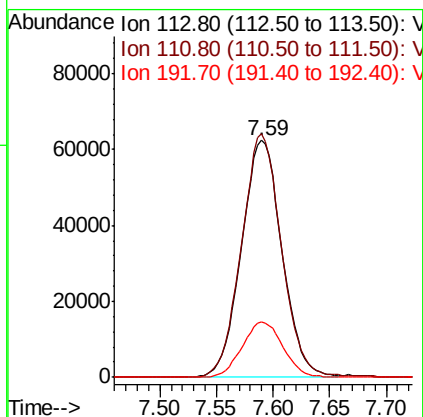
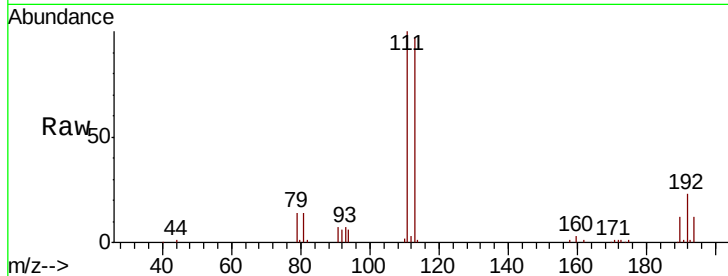




#35
 Dibromofluoromethane
 Concen: 49.239 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056070.D
 Acq: 7 Jun 2019 2:14

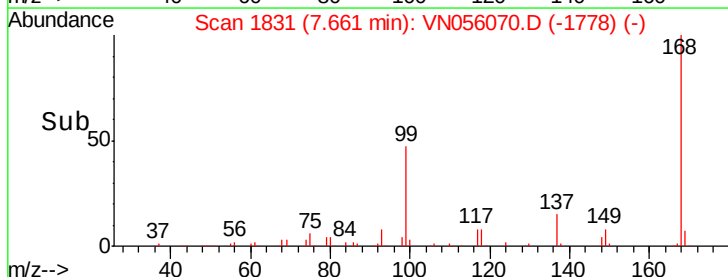
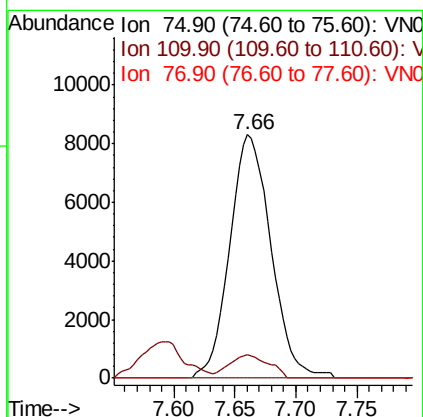
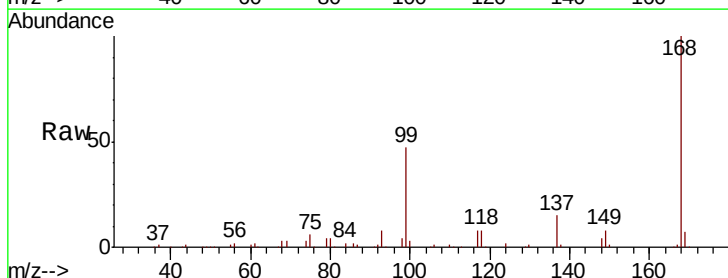
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW3071-20190604

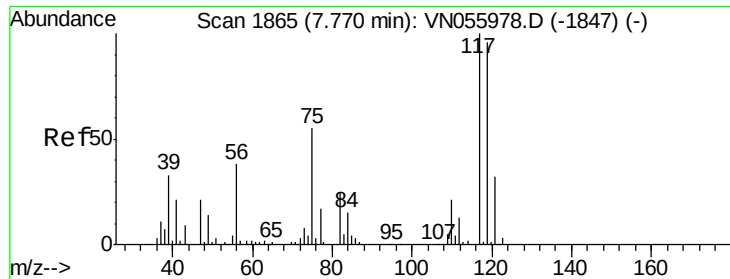
Tot Ion:113 Resp: 155563
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.9 122.9
 192 23.7 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.397 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056070.D
 Acq: 7 Jun 2019 2:14

Tgt Ion: 75 Resp: 19471
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.0 57.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.854 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW307I-20190604

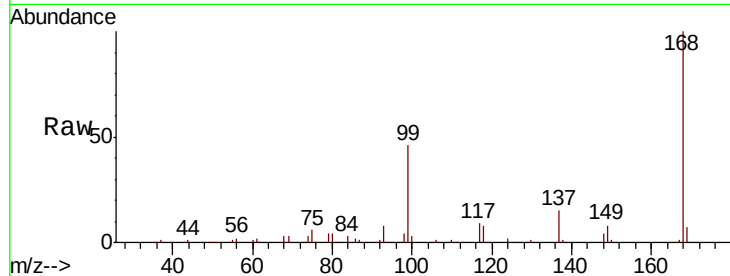
Tot Ion:117 Resp: 27978

Ion Ratio Lower Upper

117 100

119 5.1 79.0 118.6#

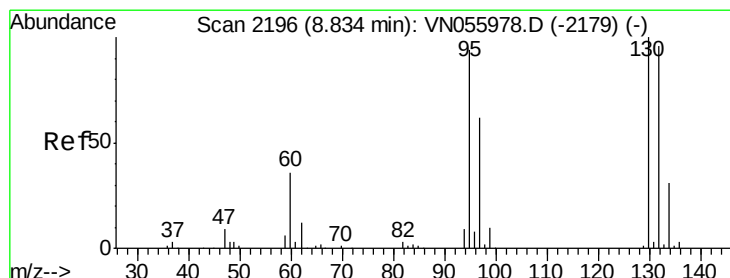
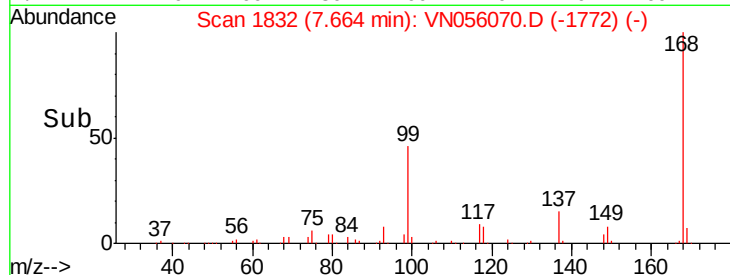
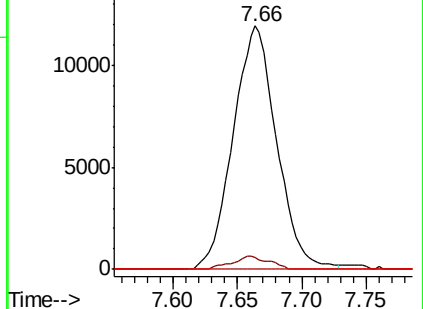
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.806 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056070.D

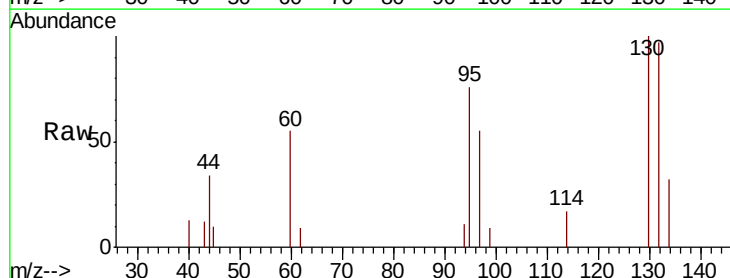
Acq: 7 Jun 2019 2:14

Tgt Ion:130 Resp: 3115

Ion Ratio Lower Upper

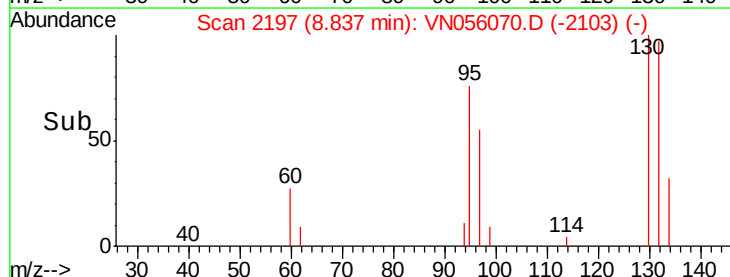
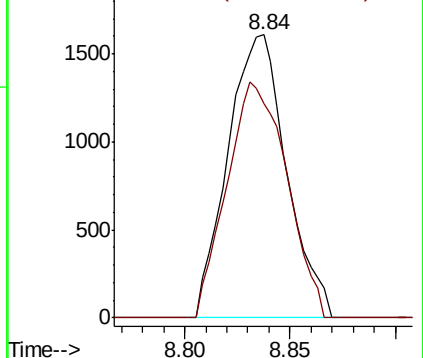
130 100

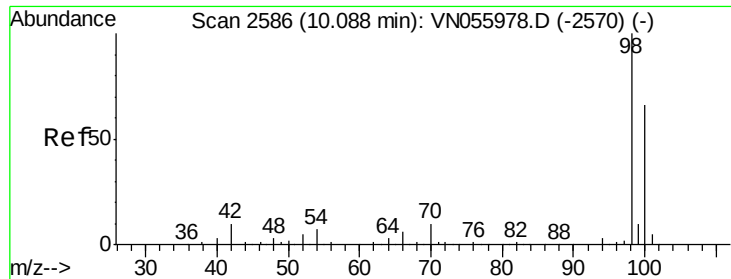
95 75.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 53.680 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

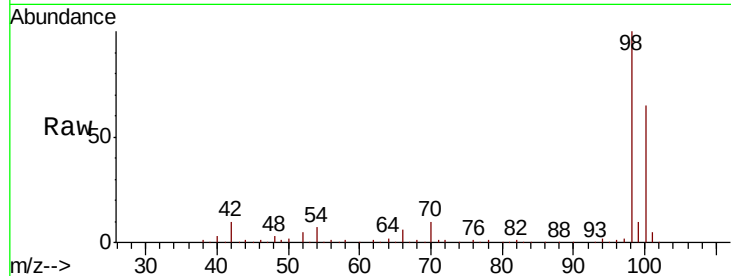
BPS1-TT-MW307I-20190604

Tot Ion: 98 Resp: 652599

Ion Ratio Lower Upper

98 100

100 65.6 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

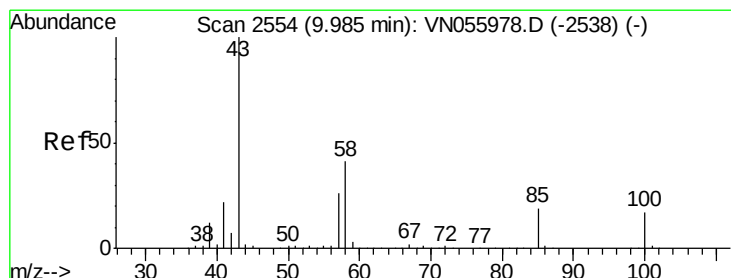
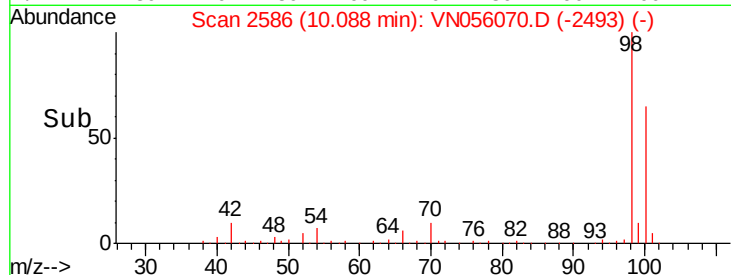
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.625 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056070.D

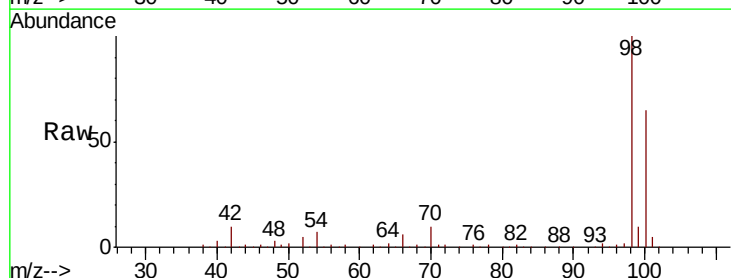
Acq: 7 Jun 2019 2:14

Tgt Ion: 43 Resp: 2495

Ion Ratio Lower Upper

43 100

58 182.7 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

3000

2500

2000

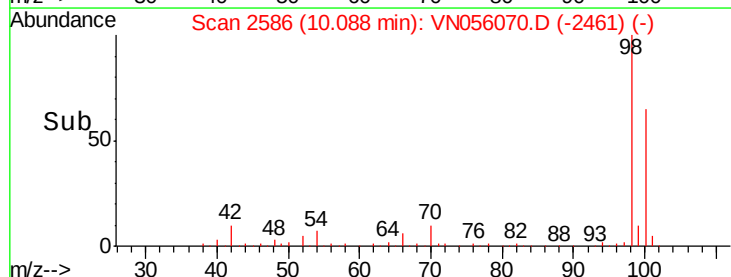
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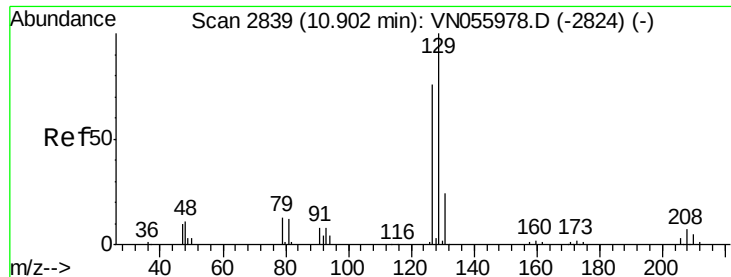
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500

0

Time-->

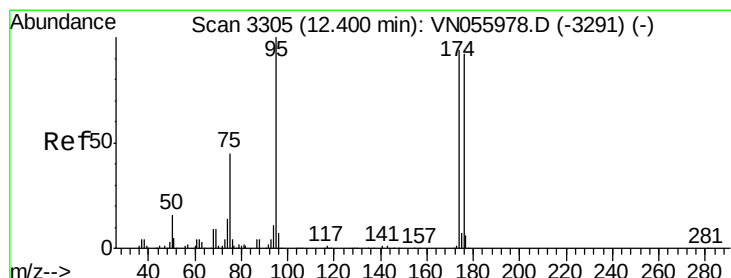
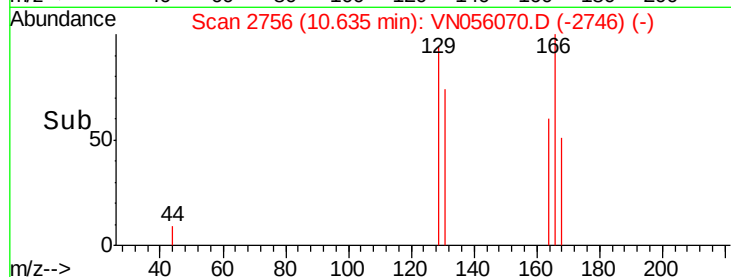
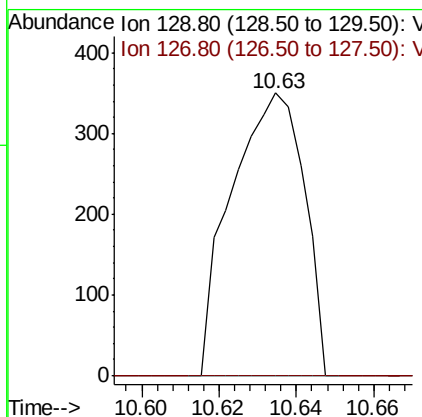
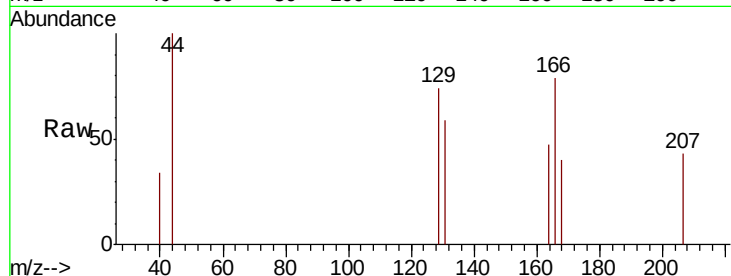




#60
Dibromochloromethane
Concen: 2.571 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN056070.D
Acq: 7 Jun 2019 2:14

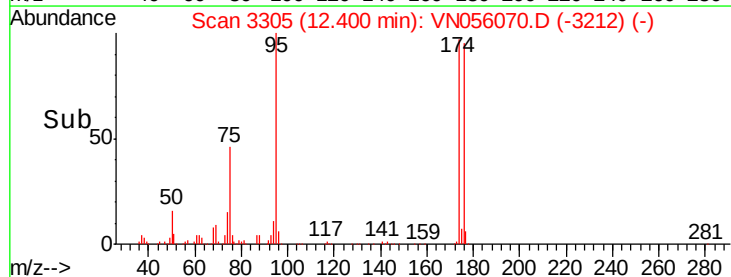
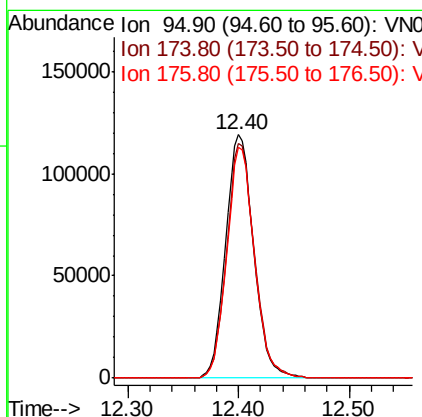
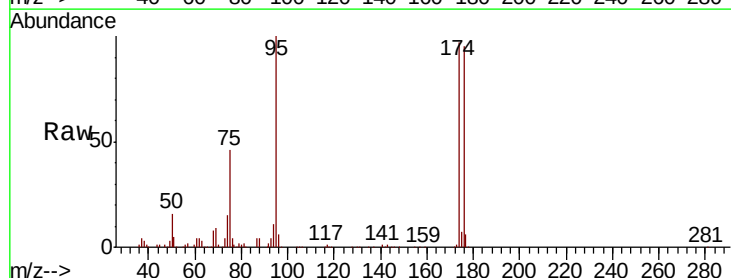
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BPS1-TT-MW307I-20190604

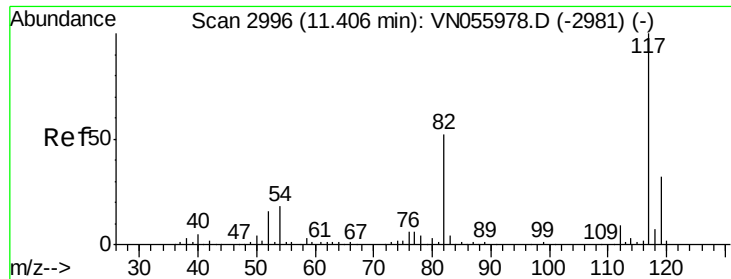
Tot Ion:129 Resp: 457
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#



#62
4-Bromofluorobenzene
Concen: 50.883 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056070.D
Acq: 7 Jun 2019 2:14

Tgt Ion: 95 Resp: 210370
Ion Ratio Lower Upper
95 100
174 95.5 0.0 191.0
176 93.4 0.0 185.2

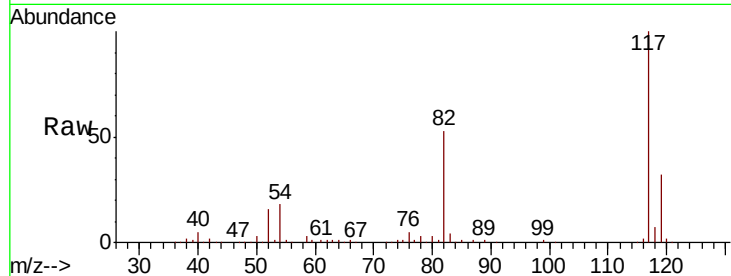




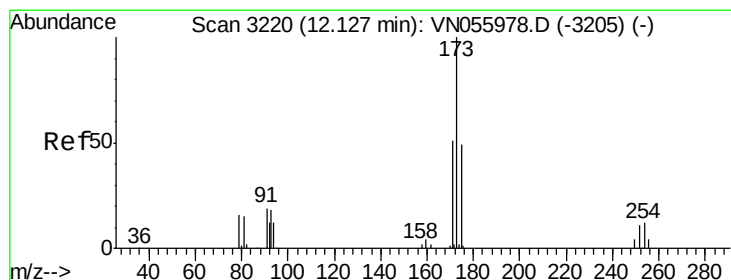
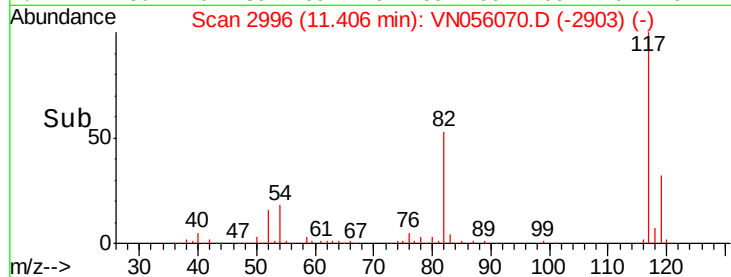
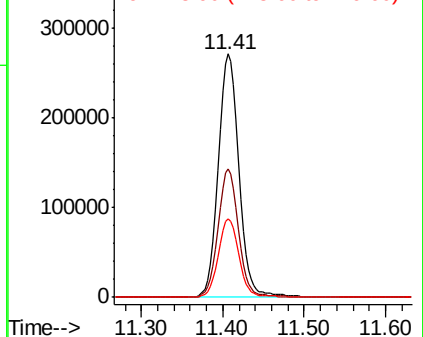
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056070.D
Acq: 7 Jun 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW3071-20190604

Tot Ion:117 Resp: 488893
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.4 25.4 38.0

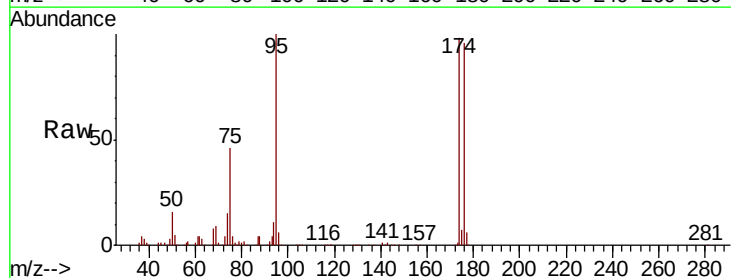


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

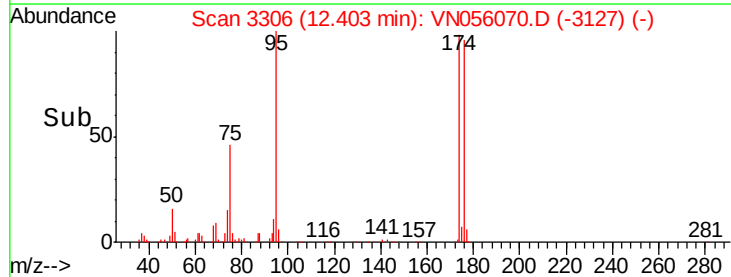
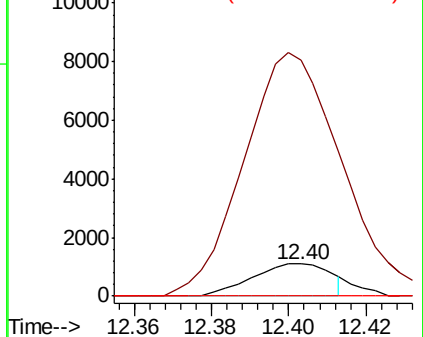


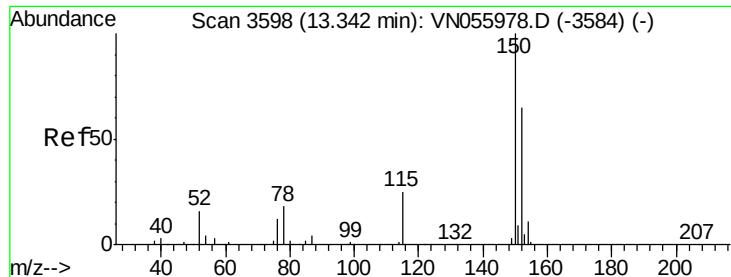
#71
Bromoform
Concen: 3.262 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056070.D
Acq: 7 Jun 2019 2:14

Tgt Ion:173 Resp: 1552
Ion Ratio Lower Upper
173 100
175 805.2 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: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW307I-20190604

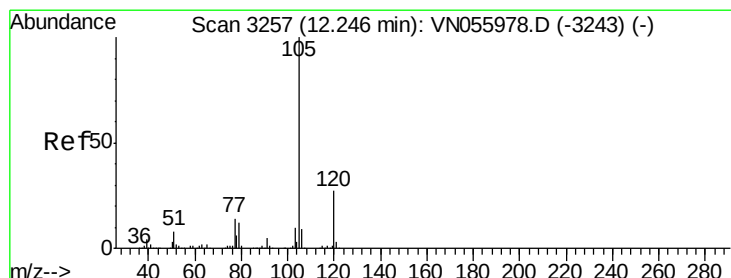
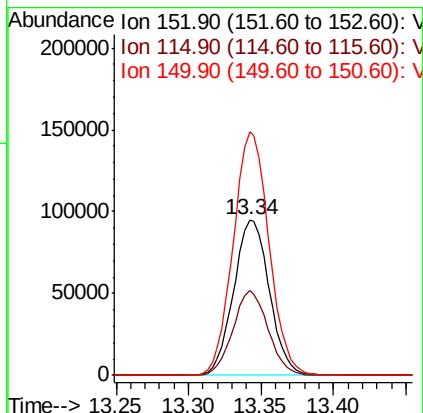
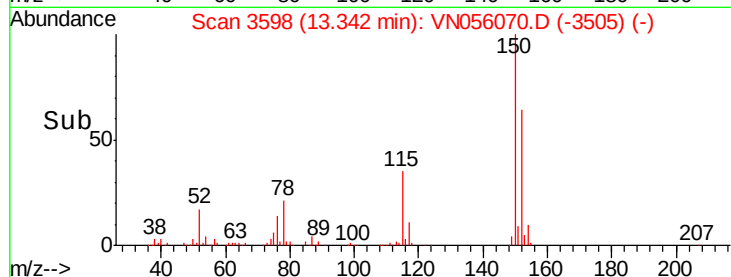
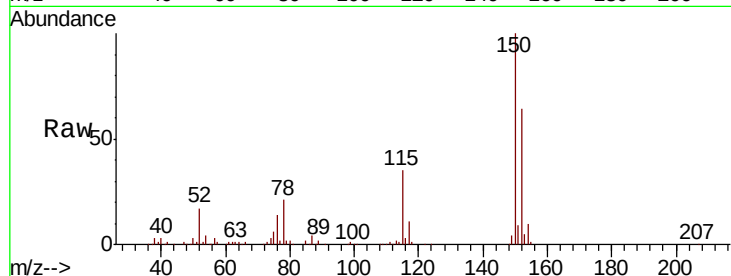
Tot Ion:152 Resp: 162668

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

150 156.4 0.0 343.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN056070.D

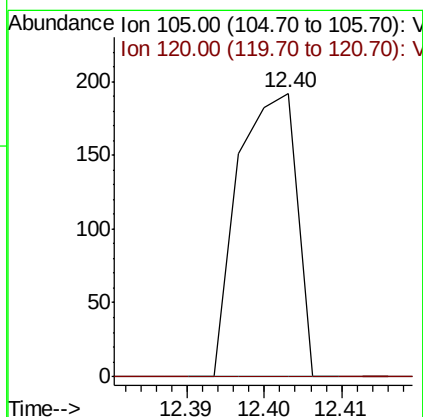
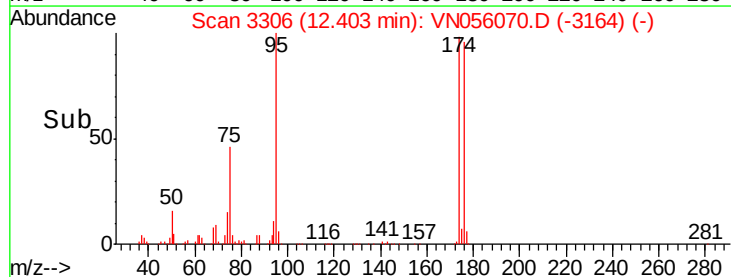
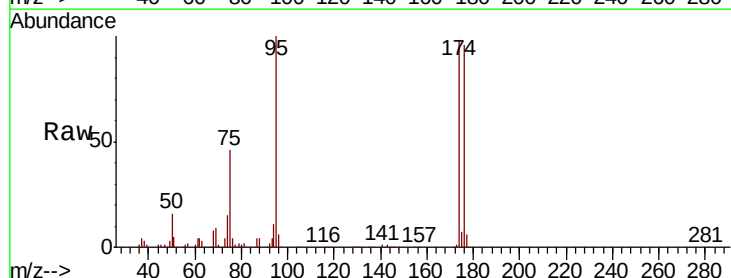
Acq: 7 Jun 2019 2:14

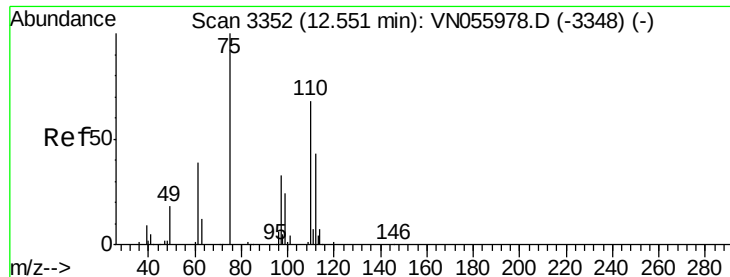
Tgt Ion:105 Resp: 101

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#





#76

1,2,3-Trichloropropane

Concen: 31.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

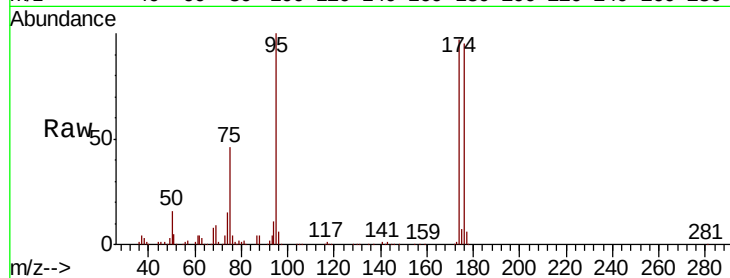
BPS1-TT-MW307I-20190604

Tot Ion: 75 Resp: 95273

Ion Ratio Lower Upper

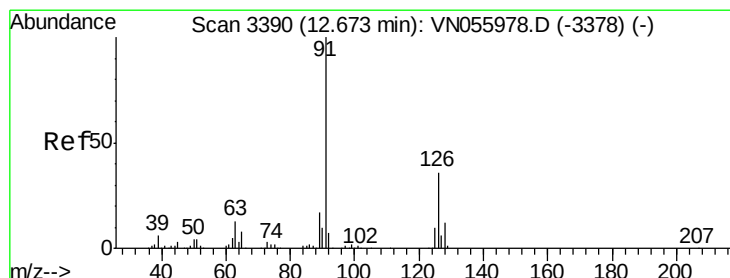
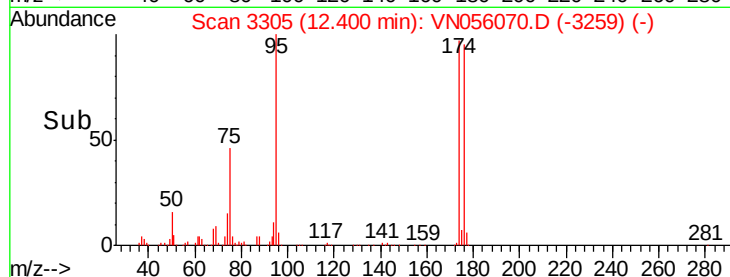
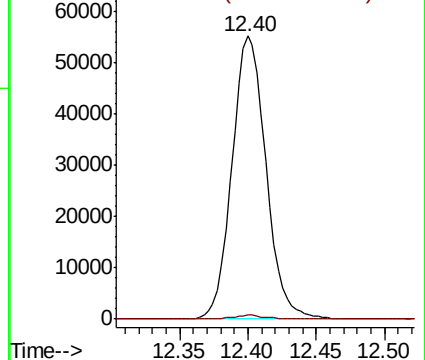
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056070.D

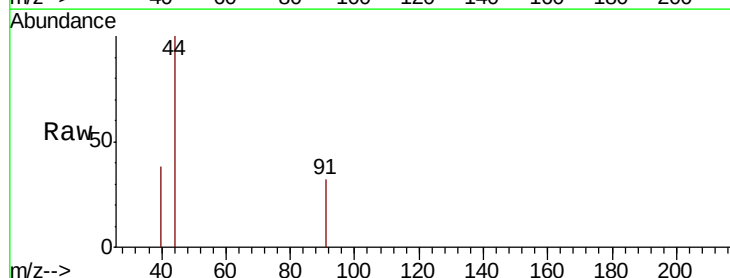
Acq: 7 Jun 2019 2:14

Tgt Ion: 91 Resp: 68

Ion Ratio Lower Upper

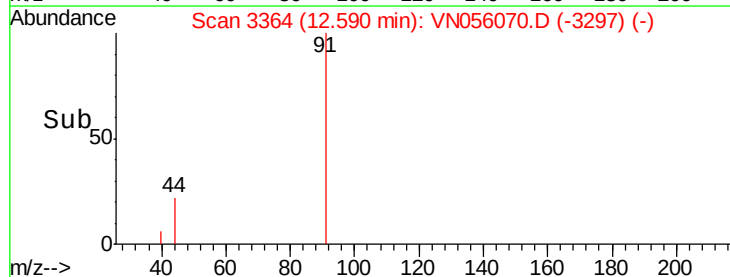
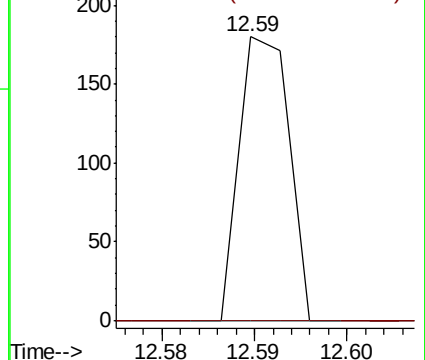
91 100

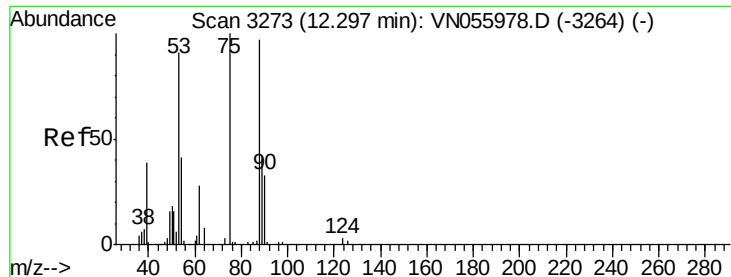
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 106.001 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056070.D

Acq: 7 Jun 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW307I-20190604

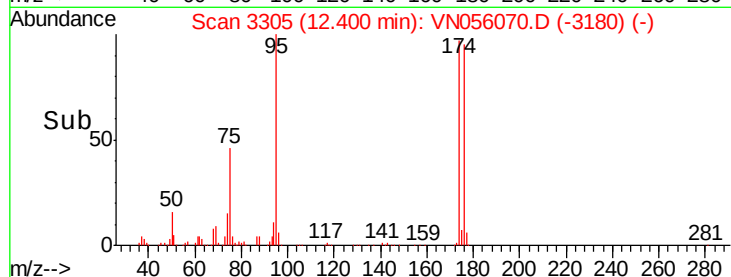
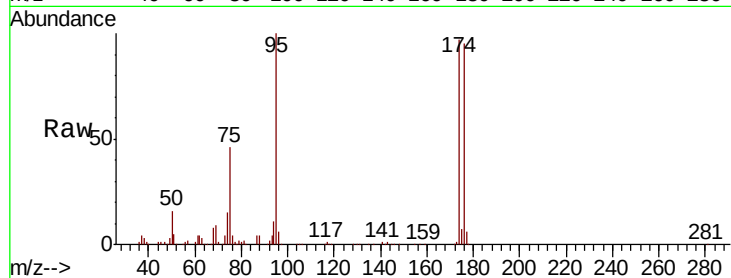
Tot Ion: 75 Resp: 95273

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

