

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056067.D
 Acq On : 7 Jun 2019 00:58
 Operator : JC/SP
 Sample : K3190-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304D-20190604

Quant Time: Jun 07 05:33:06 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	323285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	486053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	171353	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.59	113	149267	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.09	98	615110	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.40	95	187450	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

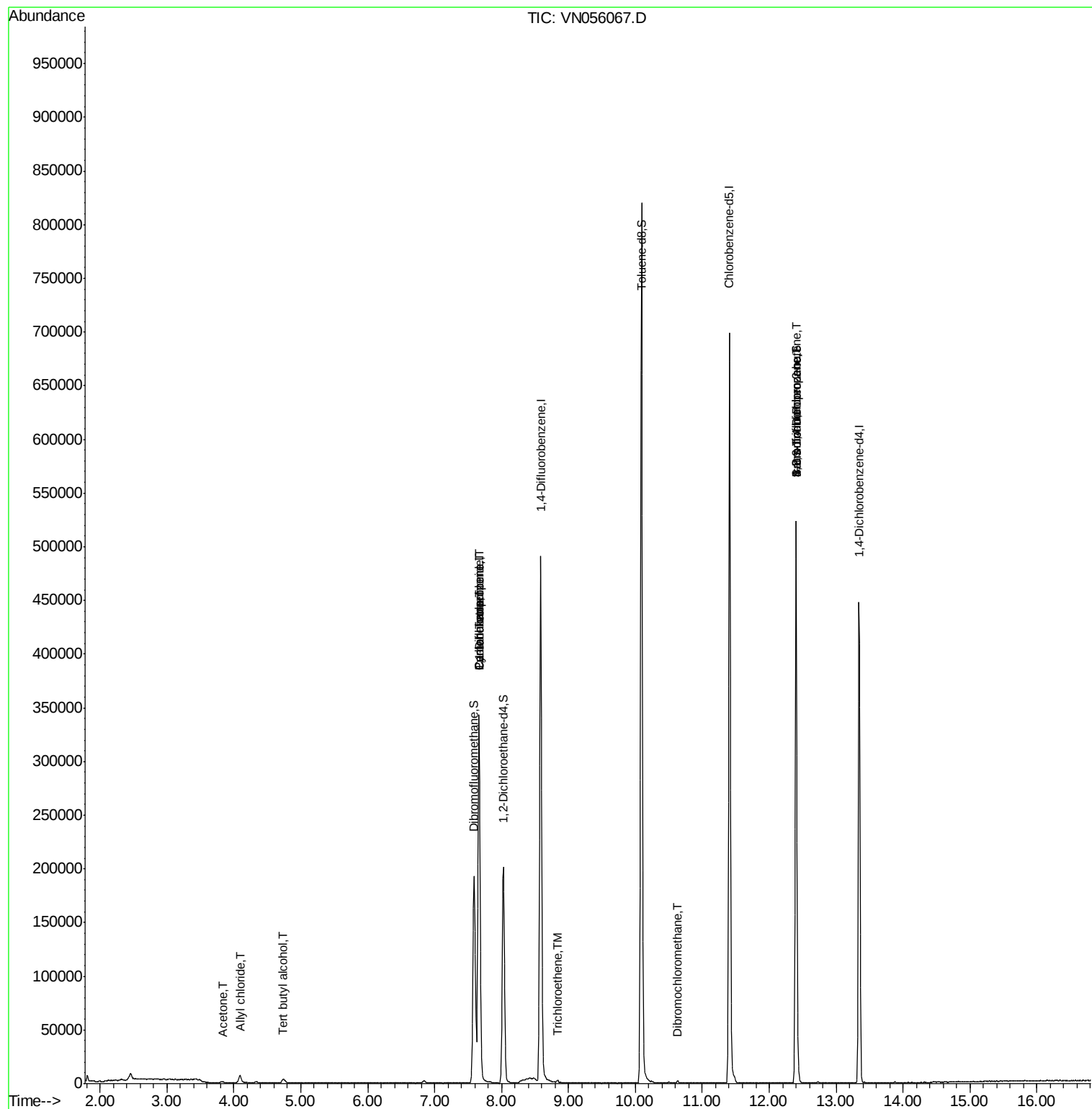
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	3649	6.532	ug/l #	74
14) Allyl chloride	4.09	41	1072	0.250	ug/l #	70
16) Acetone	3.83	43	2219	1.445	ug/l	96
31) Cyclohexane	7.66	56	4576	0.898	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18887	4.519	ug/l #	47
38) Carbon Tetrachloride	7.66	117	26486	6.874	ug/l #	15
44) Trichloroethene	8.83	130	776	0.213	ug/l	86
60) Dibromochloromethane	10.63	129	390	2.559	ug/l #	11
71) Bromoform	12.40	173	1391	3.246	ug/l #	1
73) Isopropylbenzene	12.40	105	97	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	85456	33.005	ug/l #	100
79) 2-Chlorotoluene	12.40	91	427	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85456	109.915	ug/l #	15

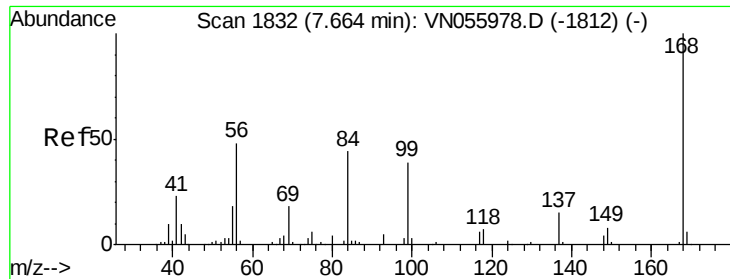
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056067.D

Acq: 7 Jun 2019 00:58

Instrument :

MSVOA_N

ClientSampleId :

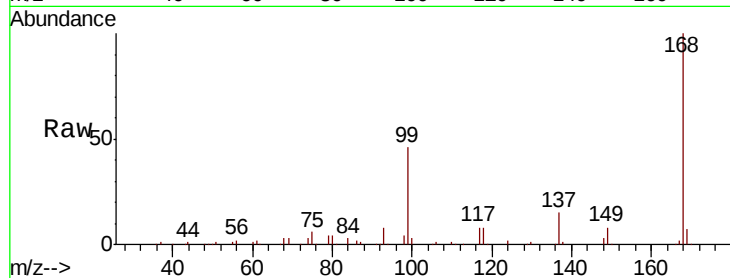
BPS1-TT-MW304D-20190604

Tot Ion:168 Resp: 323285

Ion Ratio Lower Upper

168 100

99 45.8 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

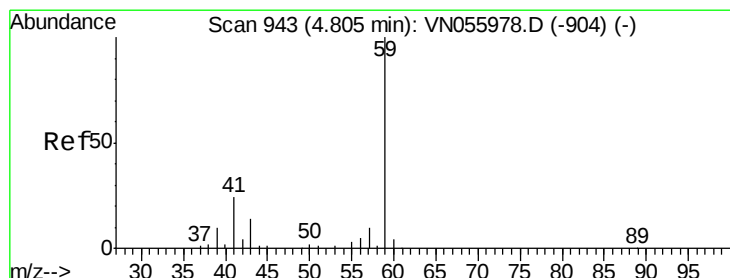
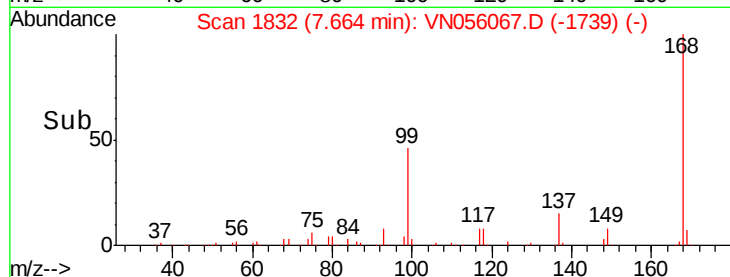
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.532 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056067.D

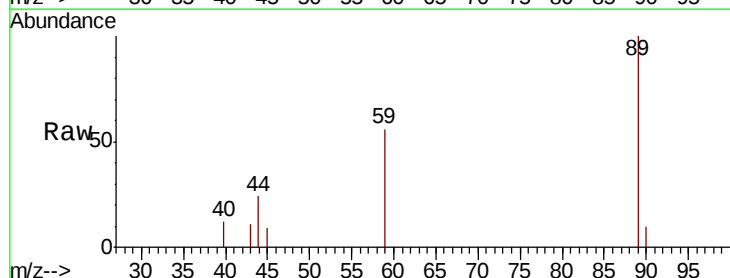
Acq: 7 Jun 2019 00:58

Tgt Ion: 59 Resp: 3649

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

1200

1000

800

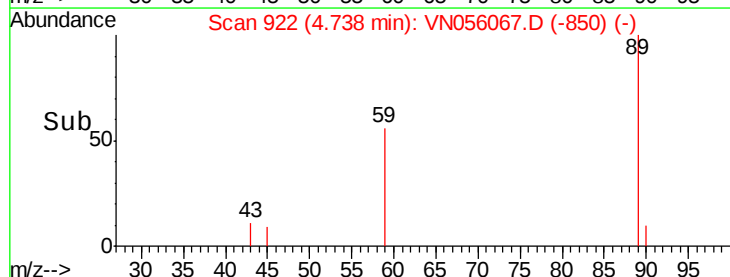
600

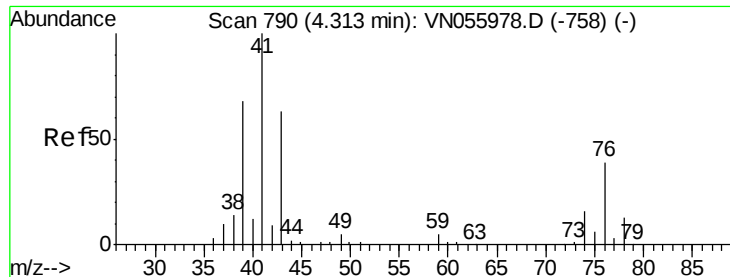
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200

0

Time-->

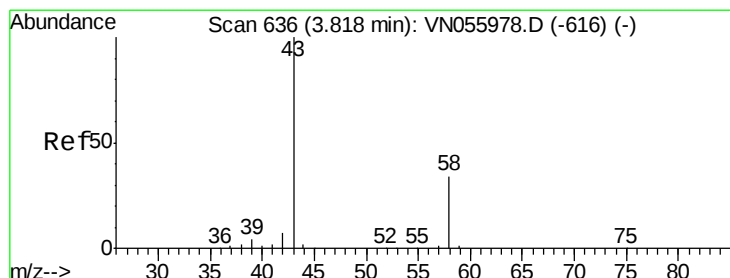
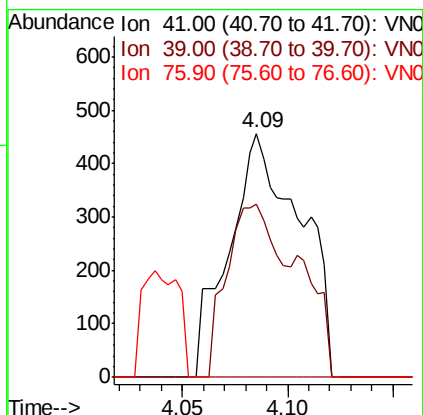
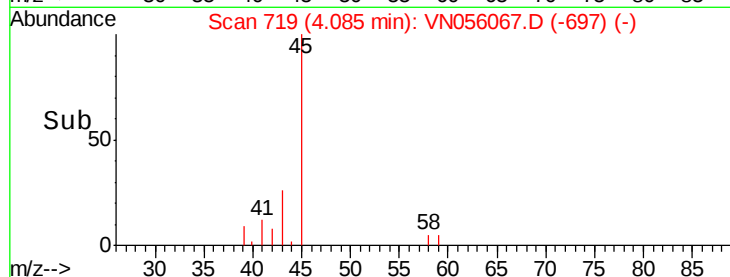
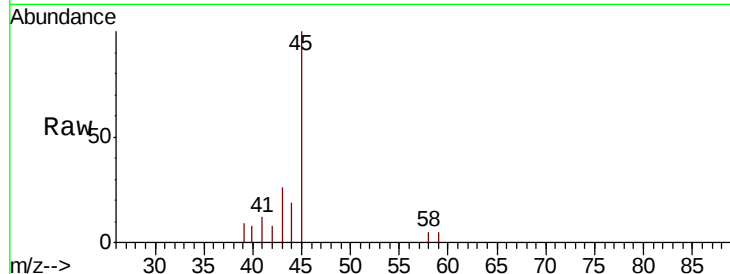




#14
Allvl chloride
Concen: 0.250 ug/l
RT: 4.09 min Scan# 719
Delta R.T. -0.23 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

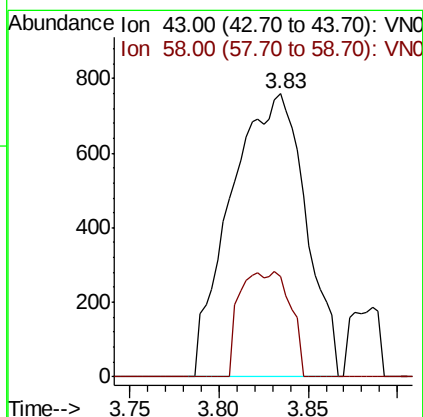
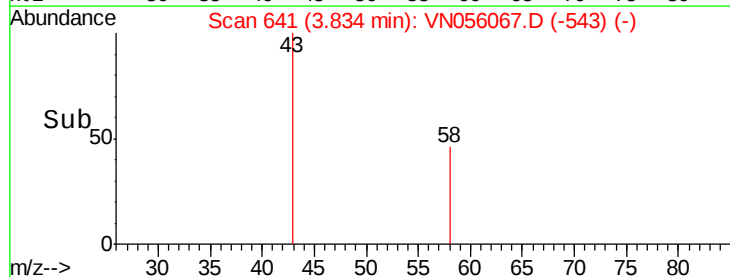
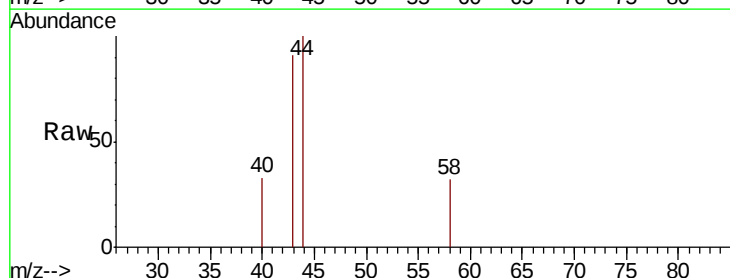
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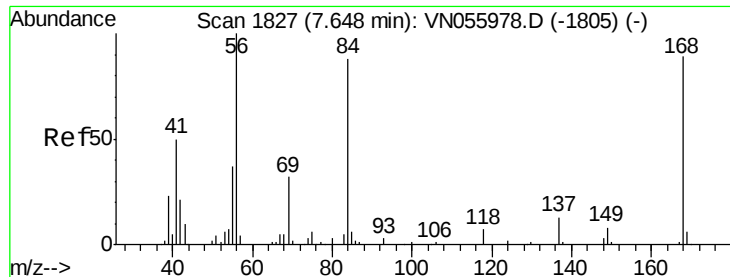
Tot Ion: 41 Resp: 1072
Ion Ratio Lower Upper
41 100
39 53.2 50.0 75.0
76 0.0 28.2 42.2#



#16
Acetone
Concen: 1.445 ug/l
RT: 3.83 min Scan# 641
Delta R.T. 0.02 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

Tgt Ion: 43 Resp: 2219
Ion Ratio Lower Upper
43 100
58 35.3 26.6 39.8

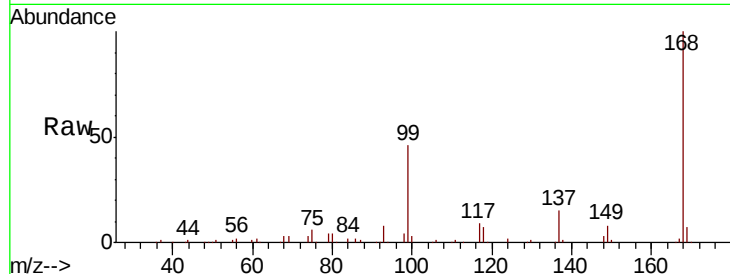




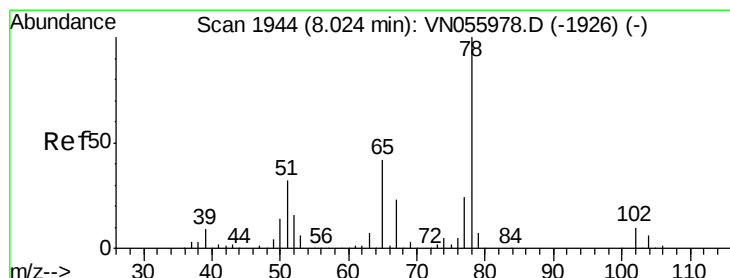
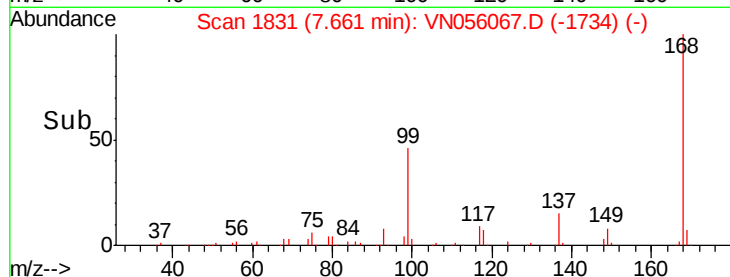
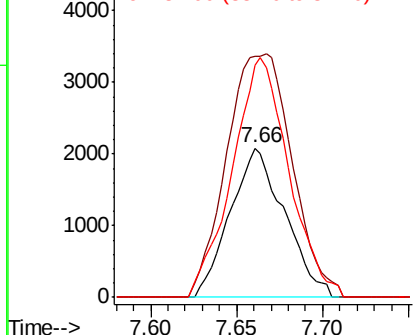
#31
Cyclohexane
Concen: 0.898 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304D-20190604

Tot Ion: 56 Resp: 4576
Ion Ratio Lower Upper
56 100
69 161.6 25.6 38.4#
84 155.1 67.4 101.0#

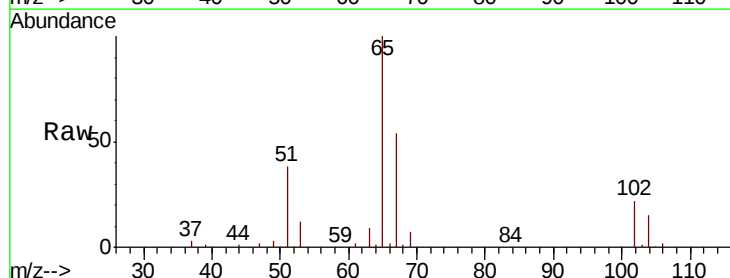


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

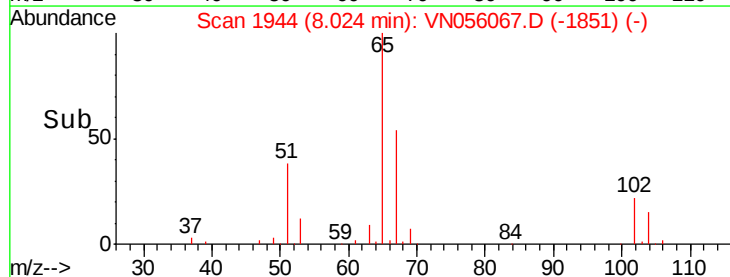
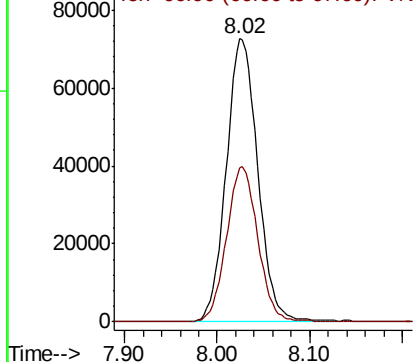


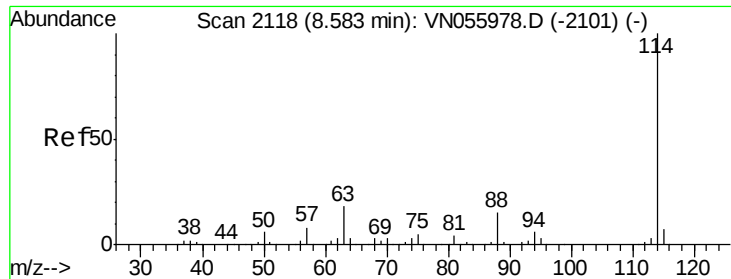
#33
1,2-Dichloroethane-d4
Concen: 53.382 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

Tgt Ion: 65 Resp: 171353
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.2



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

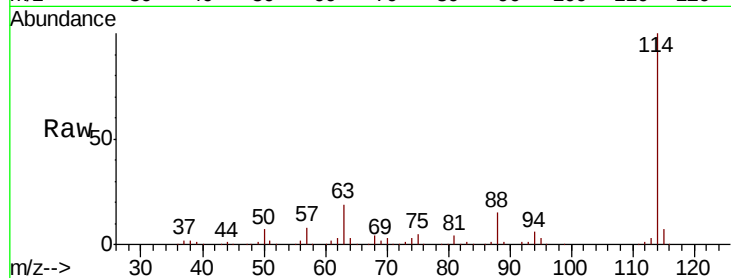




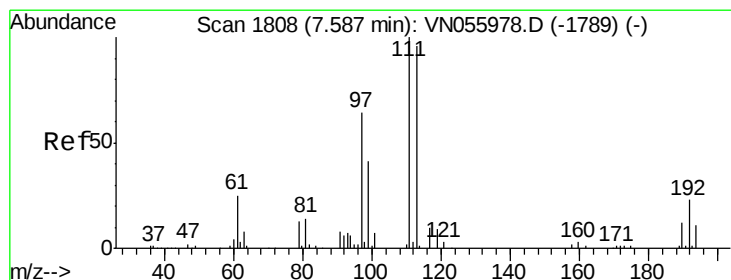
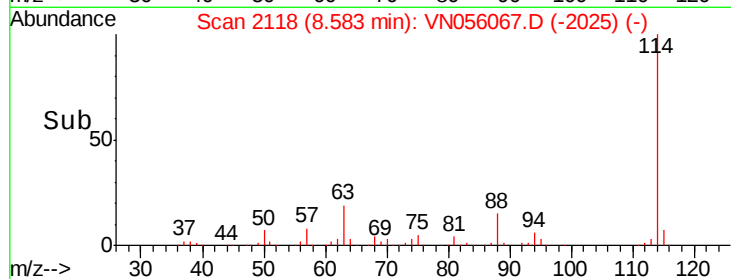
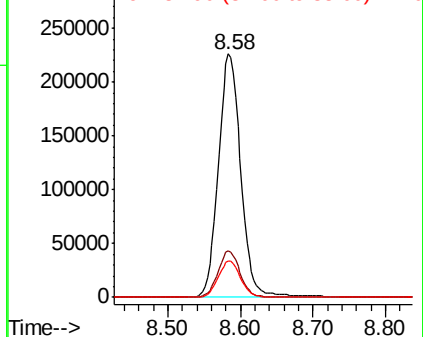
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056067.D
 Acq: 7 Jun 2019 00:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304D-20190604

Tot Ion:114 Resp: 486053
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.1 0.0 31.0

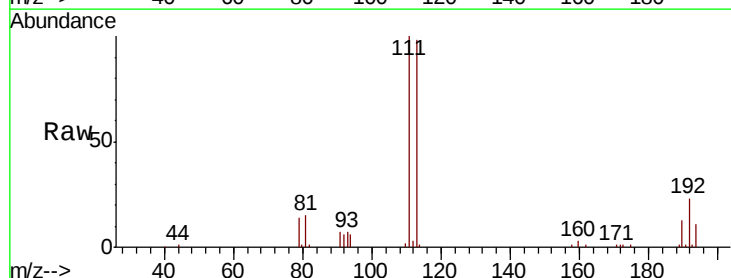


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

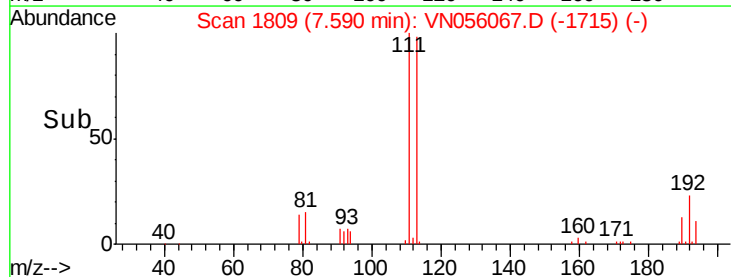
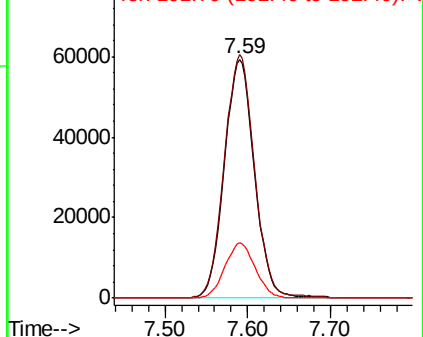


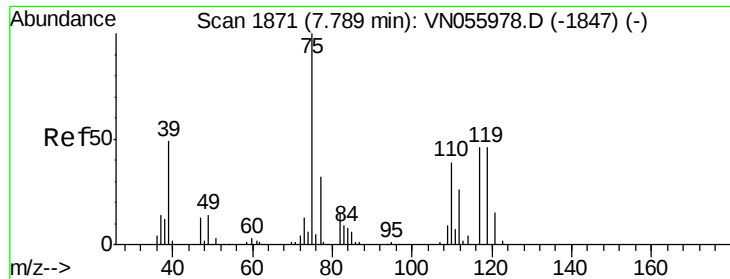
#35
 Dibromofluoromethane
 Concen: 50.054 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056067.D
 Acq: 7 Jun 2019 00:58

Tgt Ion:113 Resp: 149267
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 23.3 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

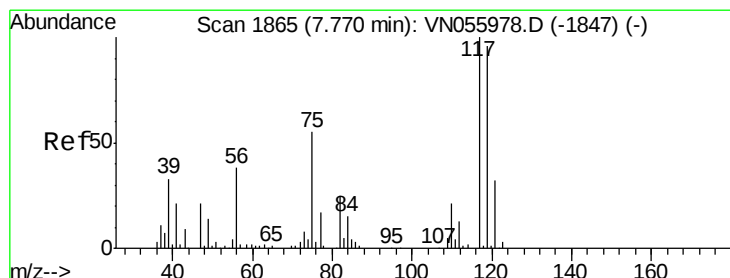
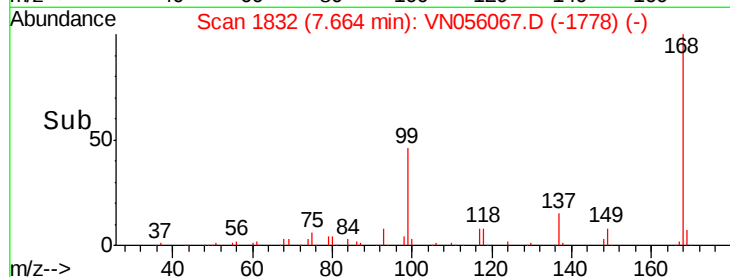
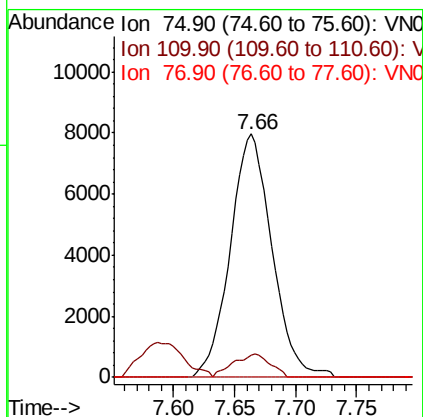
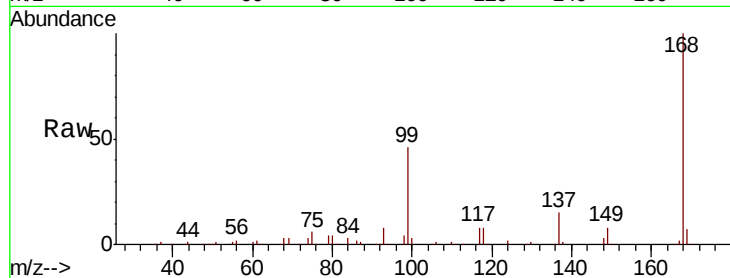




#36
 1,1-Dichloropropene
 Concen: 4.519 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056067.D
 Acq: 7 Jun 2019 00:58

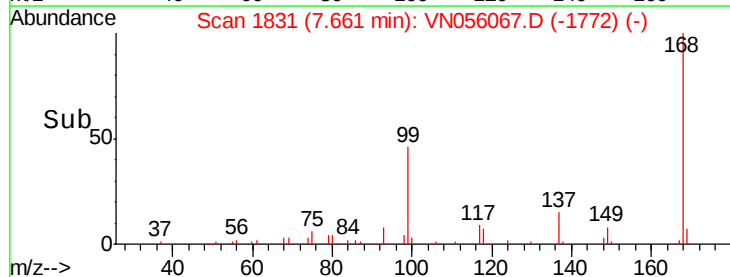
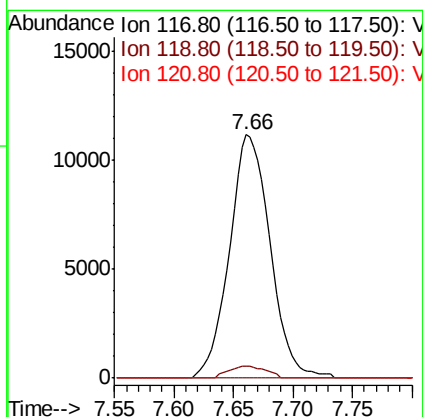
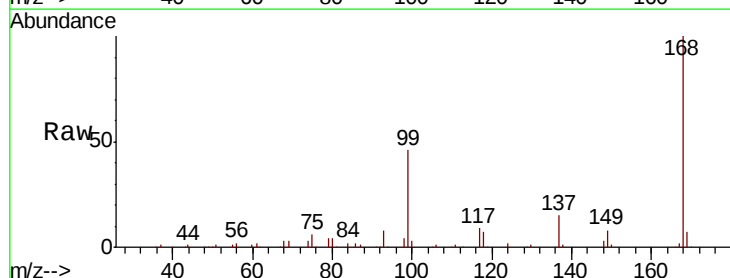
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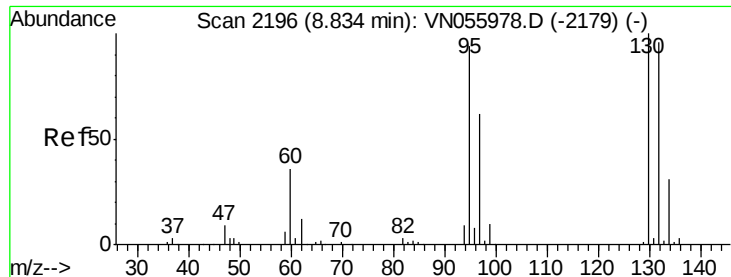
Tot Ion: 75 Resp: 18887
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.874 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056067.D
 Acq: 7 Jun 2019 00:58

Tgt Ion: 117 Resp: 26486
 Ion Ratio Lower Upper
 117 100
 119 4.9 79.0 118.6#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 0.213 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056067.D

Acq: 7 Jun 2019 00:58

Instrument :

MSVOA_N

ClientSampleId :

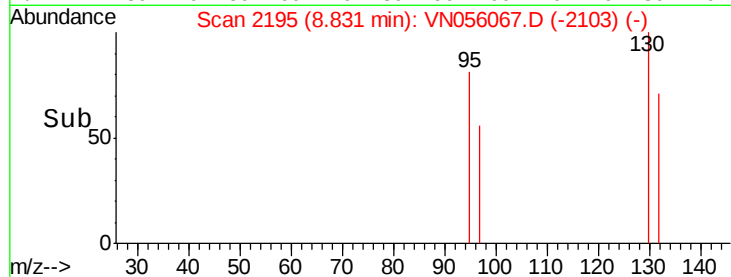
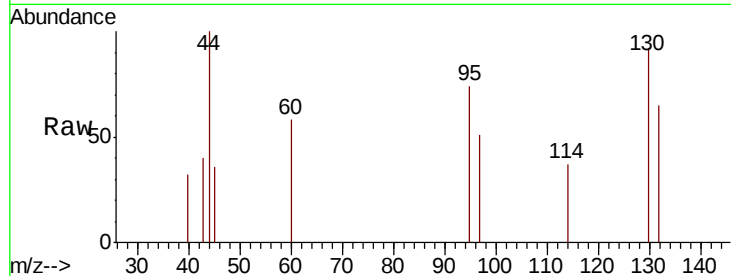
BPS1-TT-MW304D-20190604

Tot Ion:130 Resp: 776

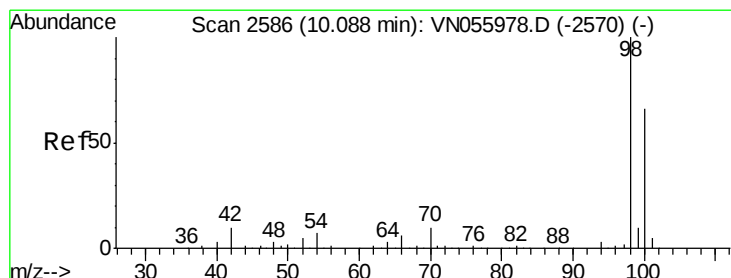
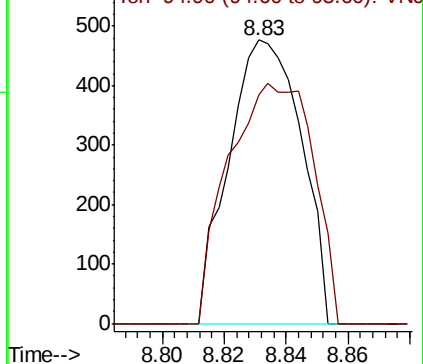
Ion Ratio Lower Upper

130 100

95 80.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN056067.D (-2103) (-)



#50

Toluene-d8

Concen: 53.604 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056067.D

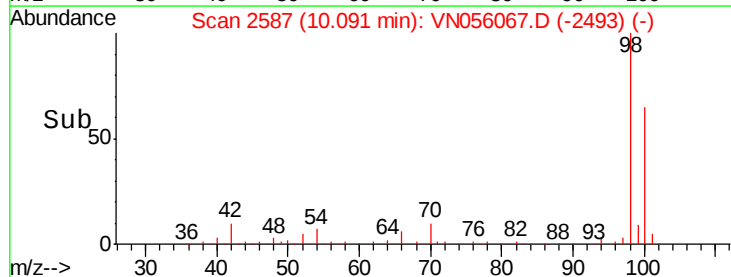
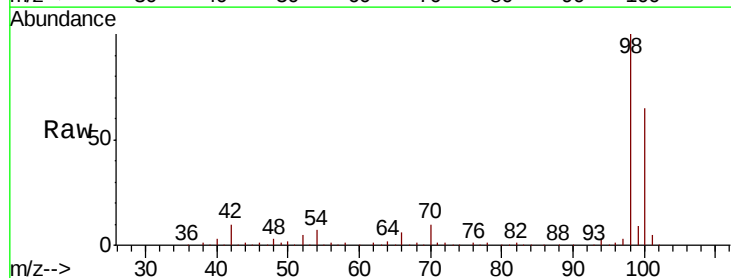
Acq: 7 Jun 2019 00:58

Tgt Ion: 98 Resp: 615110

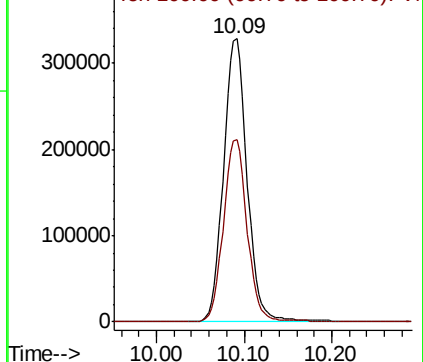
Ion Ratio Lower Upper

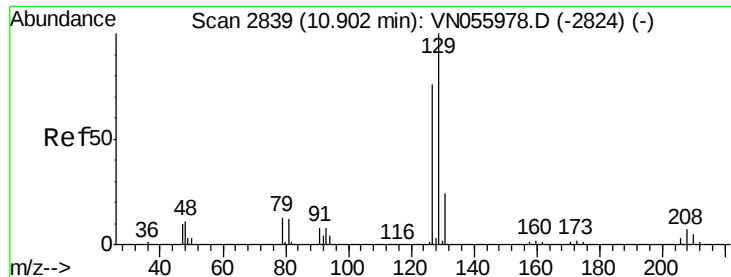
98 100

100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN056067.D (-2493) (-)

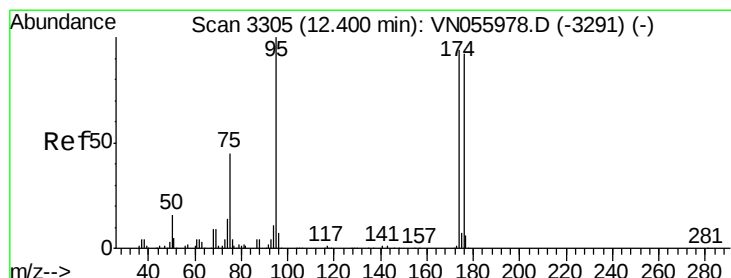
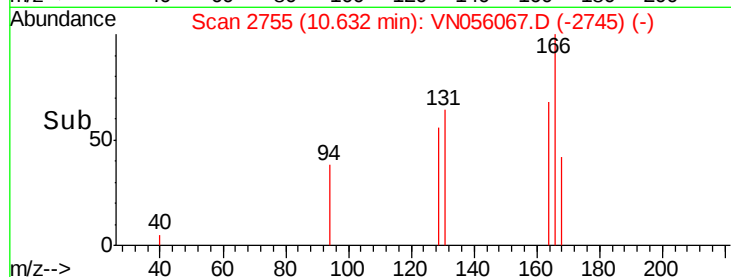
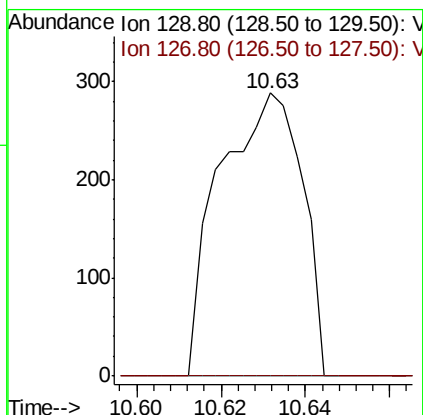
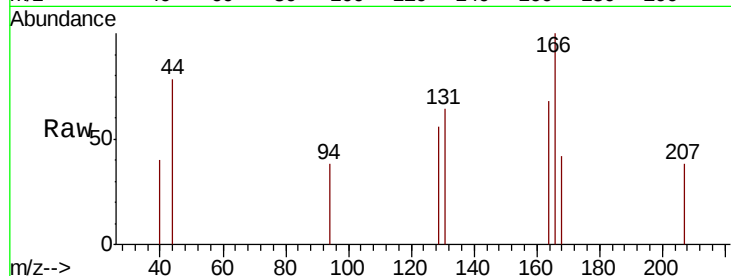




#60
Dibromochloromethane
Concen: 2.559 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

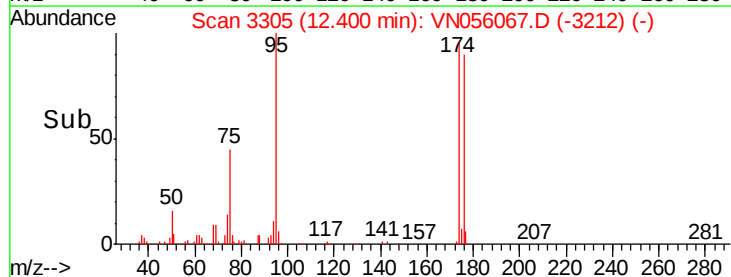
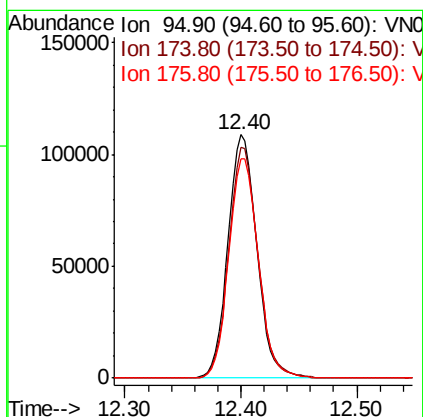
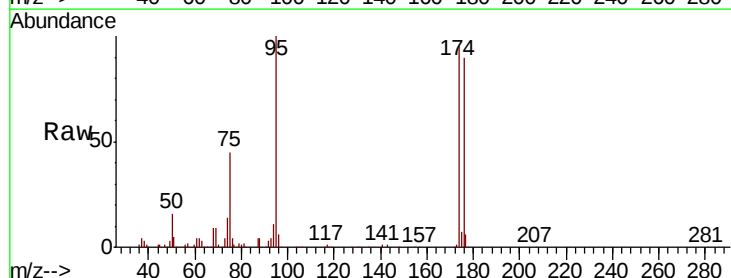
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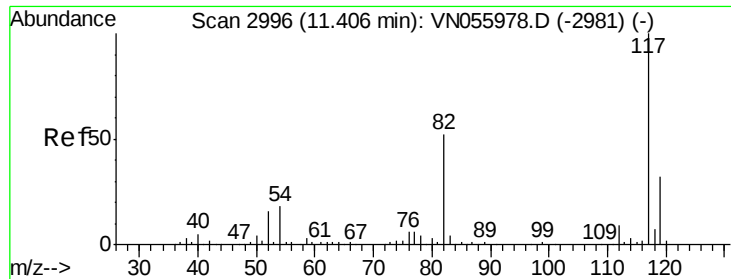
Tot Ion:129 Resp: 390
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#



#62
4-Bromofluorobenzene
Concen: 48.034 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

Tgt Ion: 95 Resp: 187450
Ion Ratio Lower Upper
95 100
174 95.9 0.0 191.0
176 92.7 0.0 185.2

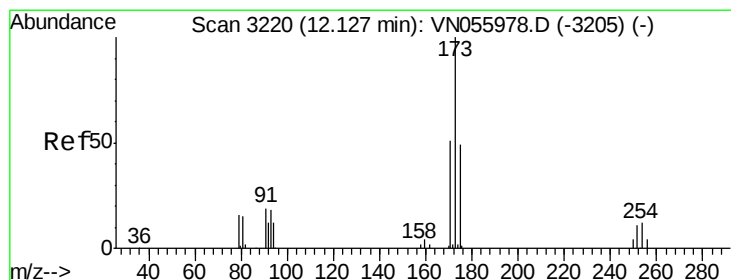
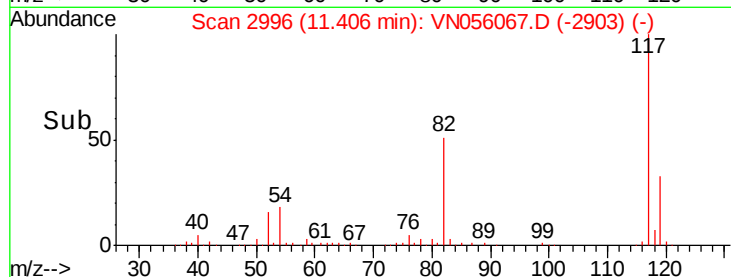
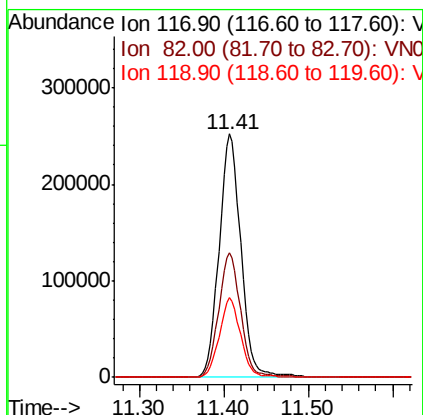
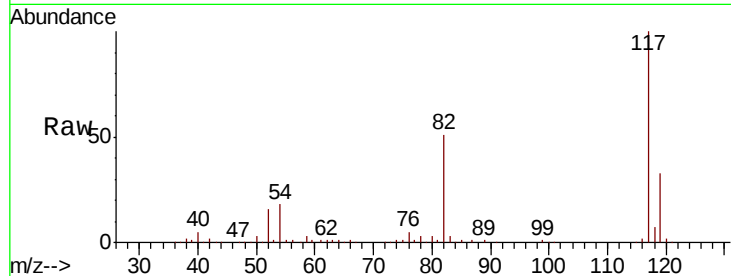




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

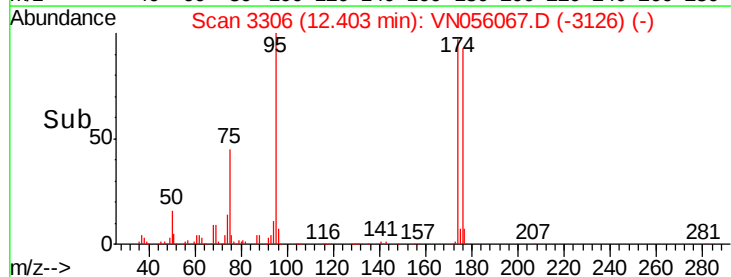
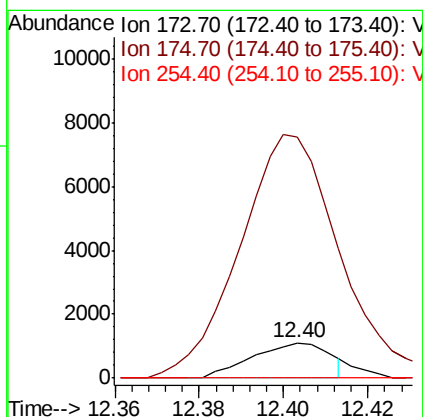
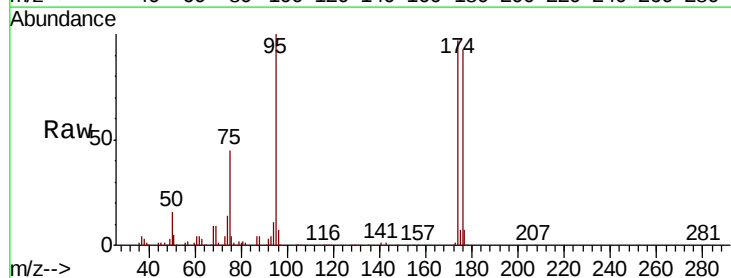
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304D-20190604

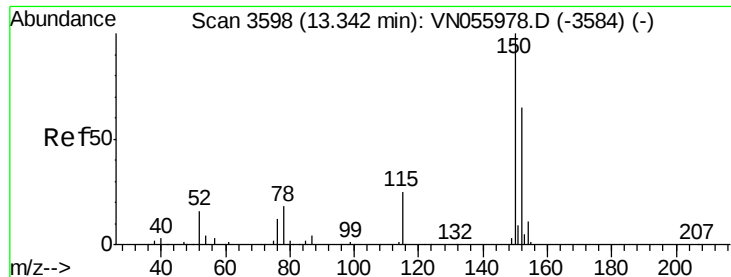
Tot Ion:117 Resp: 452162
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 32.6 25.4 38.0



#71
Bromoform
Concen: 3.246 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056067.D
Acq: 7 Jun 2019 00:58

Tgt Ion:173 Resp: 1391
Ion Ratio Lower Upper
173 100
175 783.7 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056067.D

Acq: 7 Jun 2019 00:58

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304D-20190604

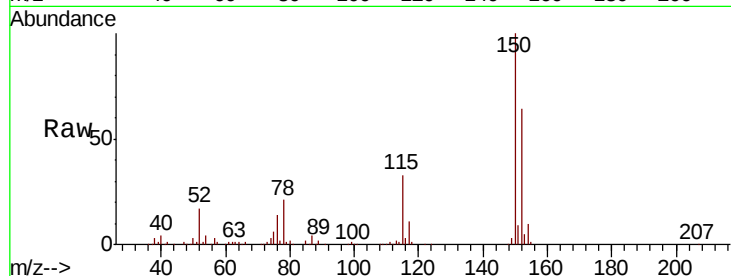
Tot Ion:152 Resp: 140711

Ion Ratio Lower Upper

152 100

115 52.5 27.0 81.0

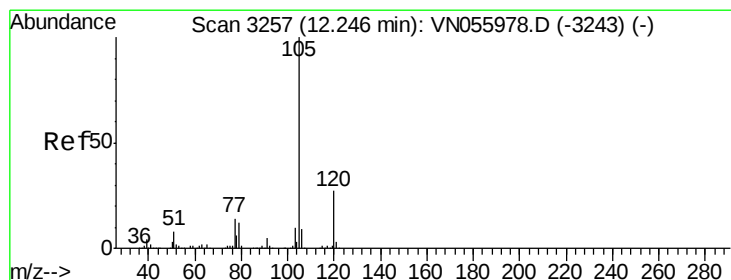
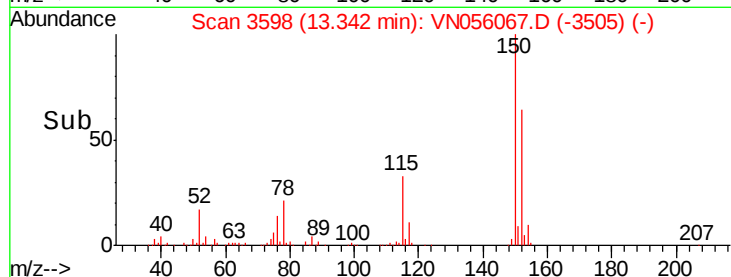
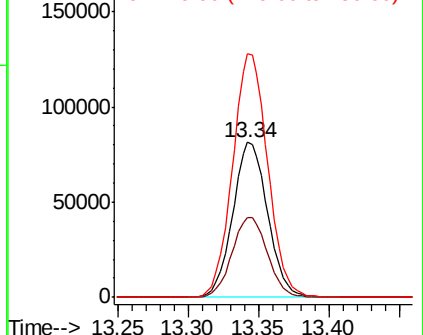
150 158.1 0.0 343.2



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. 0.16 min

Lab File: VN056067.D

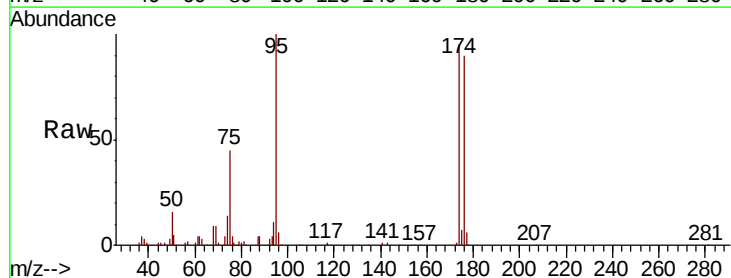
Acq: 7 Jun 2019 00:58

Tgt Ion:105 Resp: 97

Ion Ratio Lower Upper

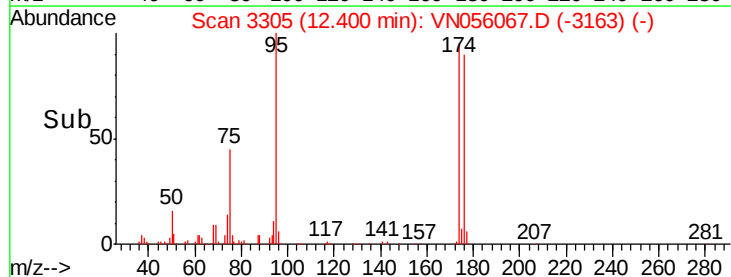
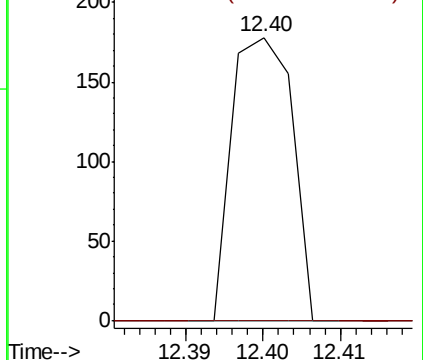
105 100

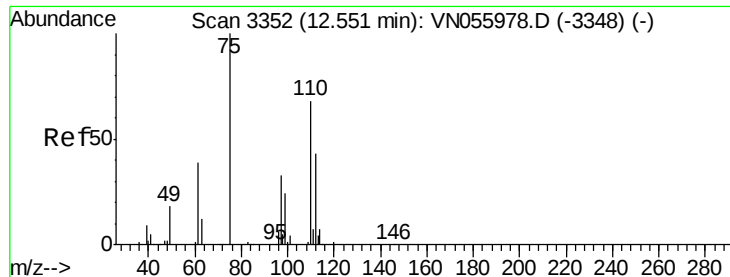
120 0.0 13.6 40.7#



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: 33.005 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056067.D

Acq: 7 Jun 2019 00:58

Instrument :

MSVOA_N

ClientSampleId :

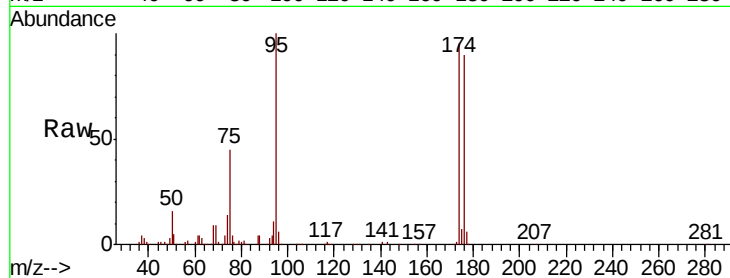
BPS1-TT-MW304D-20190604

Tot Ion: 75 Resp: 85456

Ion Ratio Lower Upper

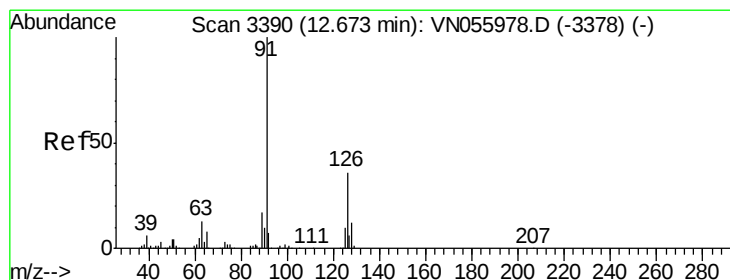
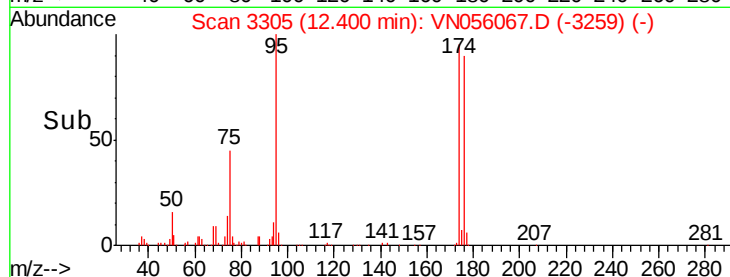
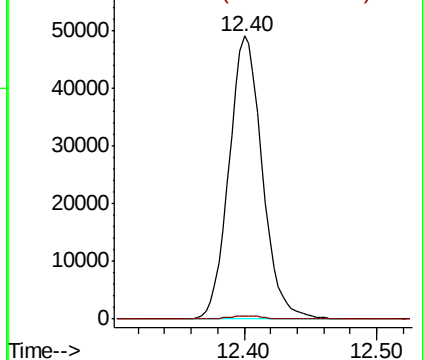
75 100

77 1.1 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: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056067.D

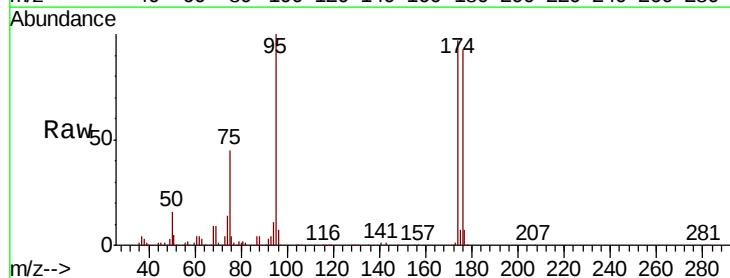
Acq: 7 Jun 2019 00:58

Tgt Ion: 91 Resp: 427

Ion Ratio Lower Upper

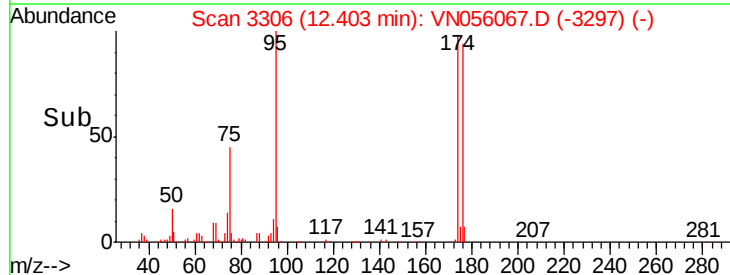
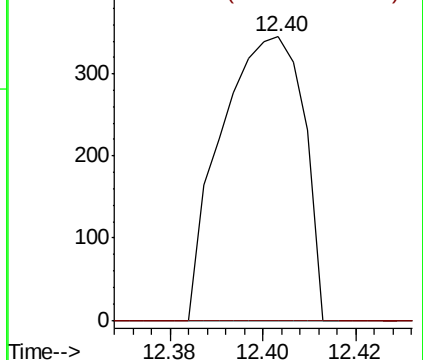
91 100

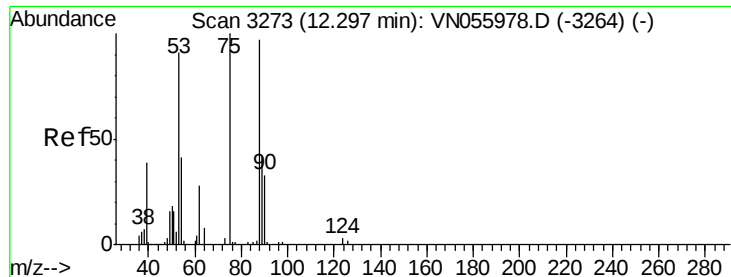
126 0.0 18.1 54.4#



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: 109.915 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056067.D

Acq: 7 Jun 2019 00:58

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304D-20190604

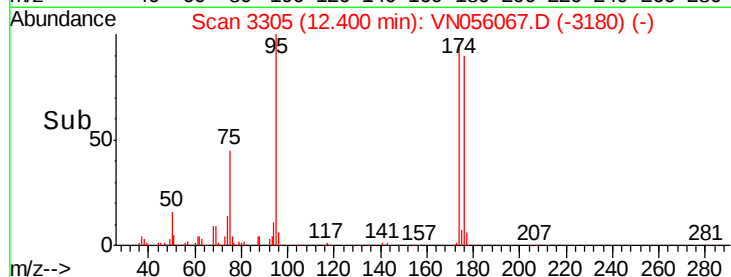
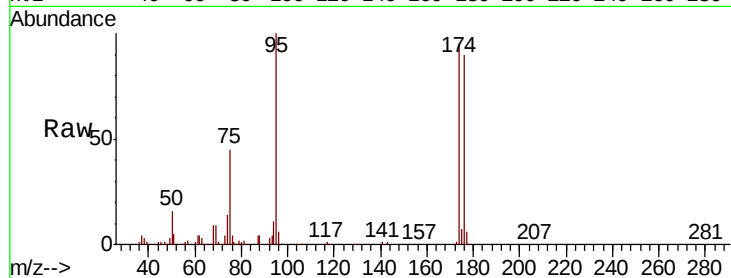
Tot Ion: 75 Resp: 85456

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

