

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054565.D
 Acq On : 22 Mar 2019 18:32
 Operator : JC/SP
 Sample : K1965-08RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-DUP05-20190315

Quant Time: Mar 23 02:33:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

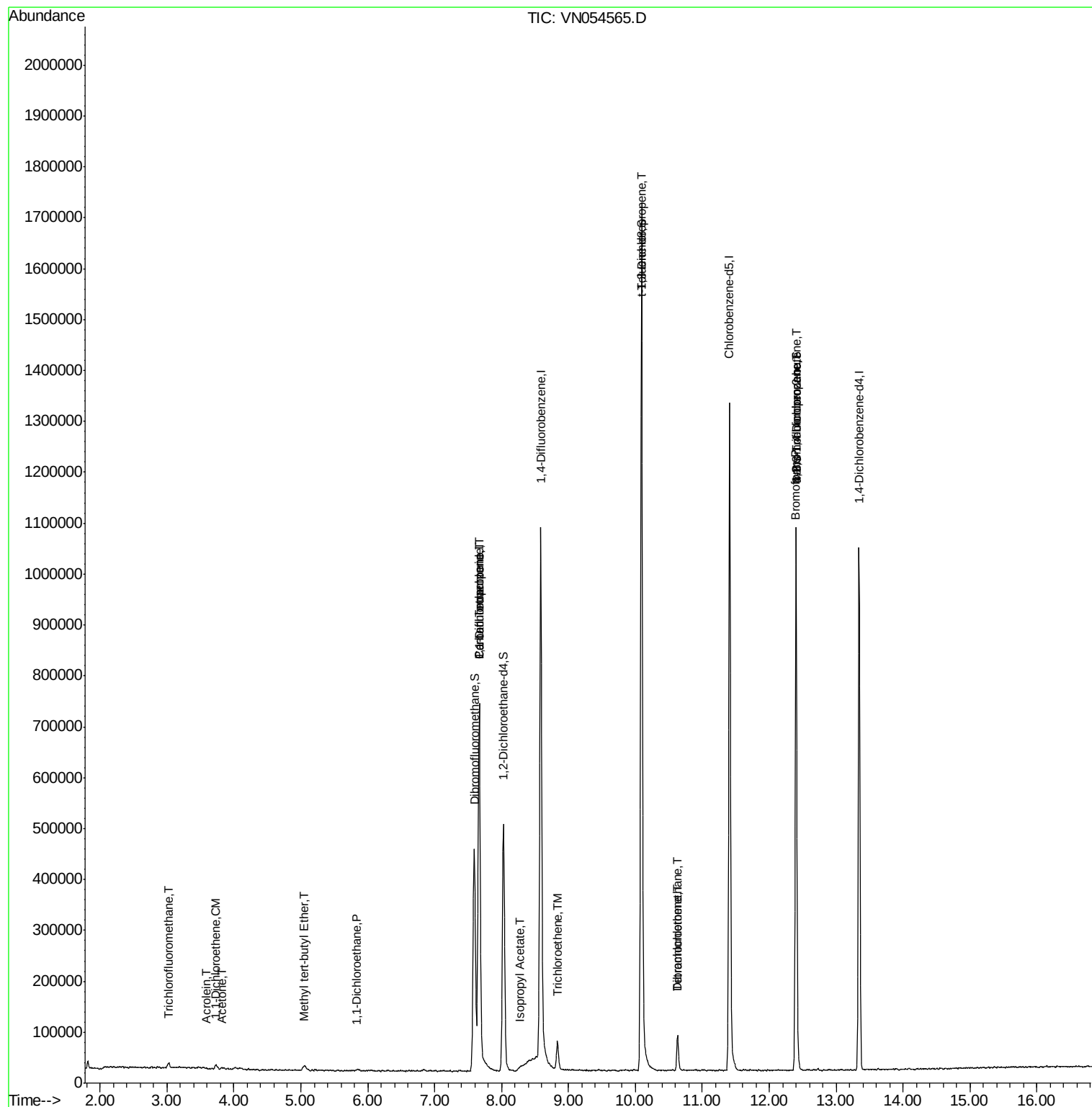
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	785256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272740	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424094	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
35) Dibromofluoromethane	7.59	113	333373	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
50) Toluene-d8	10.09	98	1244553	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	372793	46.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.82%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.02	101	8691	0.869	ug/l	93
12) 1,1-Dichloroethene	3.74	96	3266	0.537	ug/l	84
13) Acrolein	3.58	56	230	0.351	ug/l #	70
16) Acetone	3.82	43	1809	0.767	ug/l #	82
19) Methyl tert-butyl Ether	5.05	73	13700	0.771	ug/l	99
24) 1,1-Dichloroethane	5.85	63	5479	0.450	ug/l #	83
31) Cyclohexane	7.67	56	12551	Below Cal	#	33
36) 1,1-Dichloropropene	7.66	75	45825	5.029	ug/l #	48
38) Carbon Tetrachloride	7.66	117	56729	6.406	ug/l #	16
43) Isopropyl Acetate	8.26	43	4873	0.445	ug/l #	60
44) Trichloroethene	8.83	130	20185	2.786	ug/l	91
53) t-1,3-Dichloropropene	10.11	75	106	2.243	ug/l #	81
60) Dibromochloromethane	10.63	129	14148	2.308	ug/l #	11
64) Tetrachloroethene	10.63	164	16891	2.593	ug/l #	91
71) Bromoform	12.39	173	498	2.341	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	191083	44.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191083	145.720	ug/l #	11

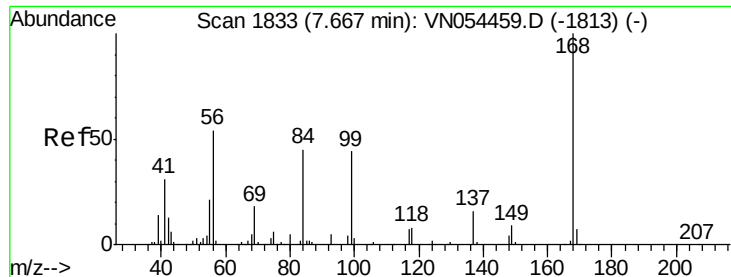
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-DUP05-20190315

Quant Time: Mar 23 02:33:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

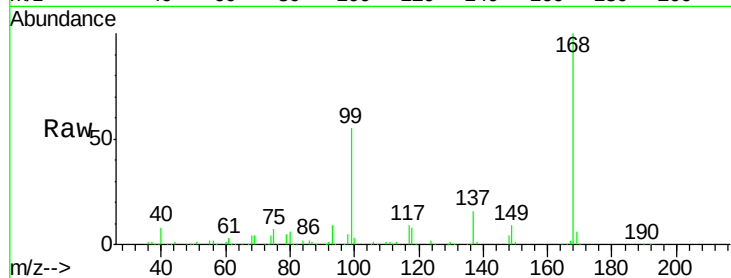
BP-DUP05-20190315

Tot Ion:168 Resp: 630993

Ion Ratio Lower Upper

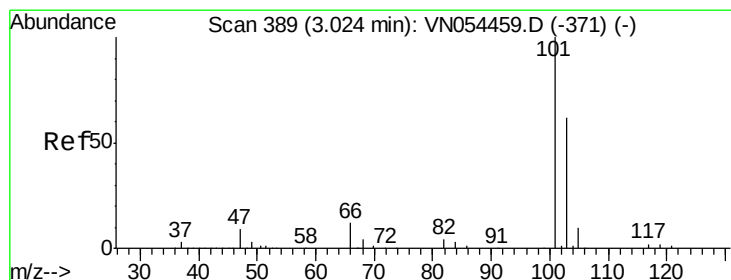
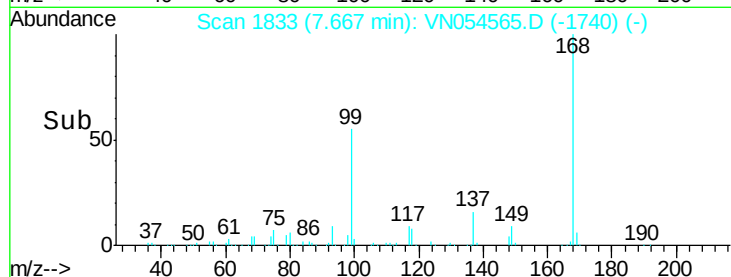
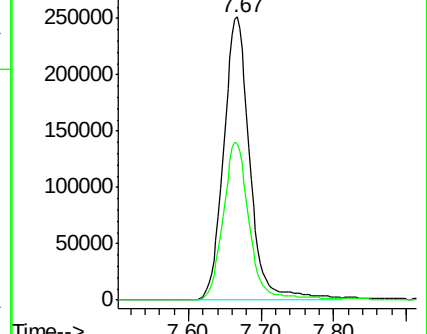
168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#7

Trichlorofluoromethane

Concen: 0.869 ug/l

RT: 3.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: VN054565.D

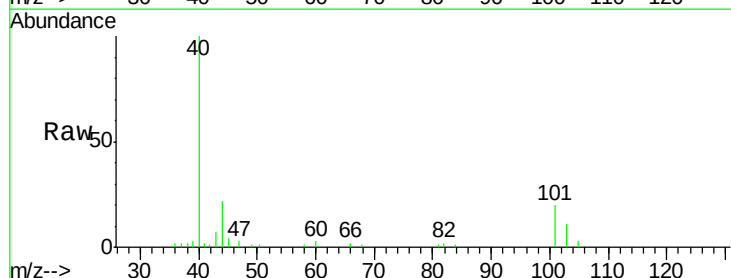
Acq: 22 Mar 2019 18:32

Tgt Ion:101 Resp: 8691

Ion Ratio Lower Upper

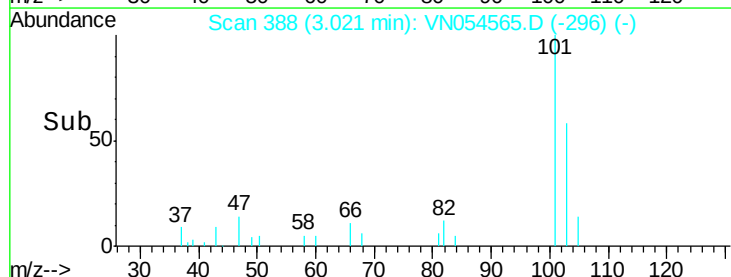
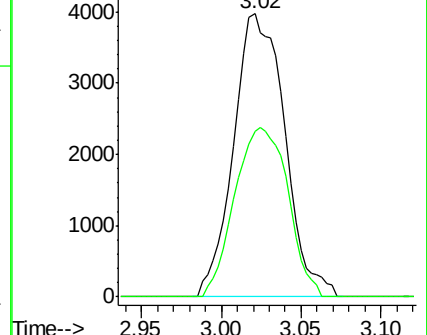
101 100

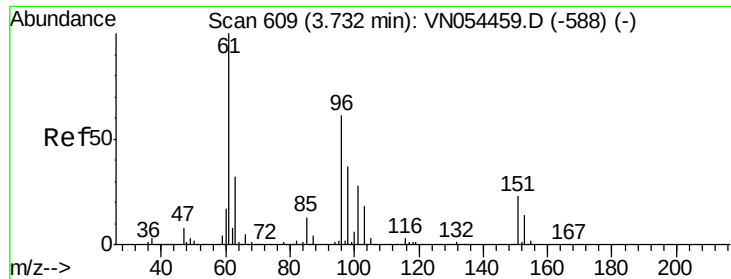
103 58.5 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

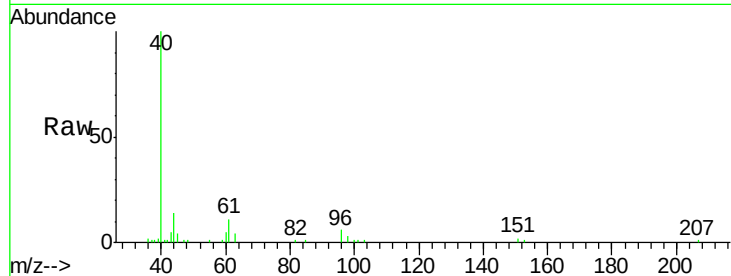




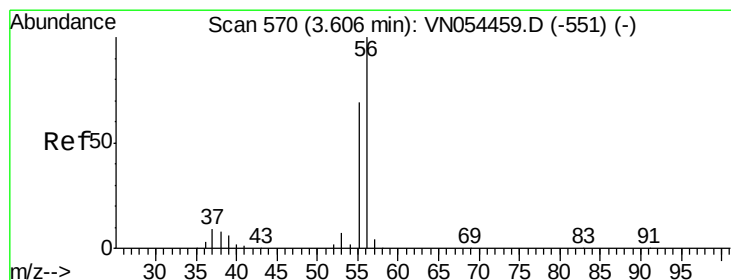
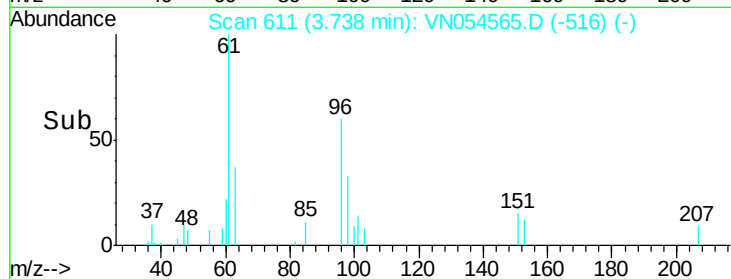
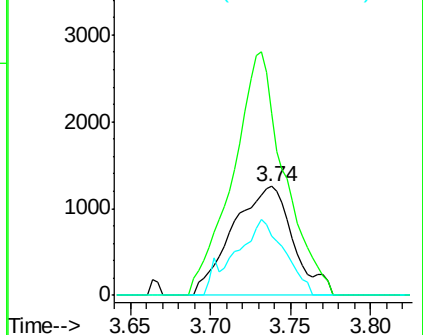
#12
 1,1-Dichloroethene
 Concen: 0.537 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN054565.D
 Acq: 22 Mar 2019 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-DUP05-20190315

Tot Ion: 96 Resp: 3266
 Ion Ratio Lower Upper
 96 100
 61 167.4 116.5 174.7
 98 54.7 51.0 76.4

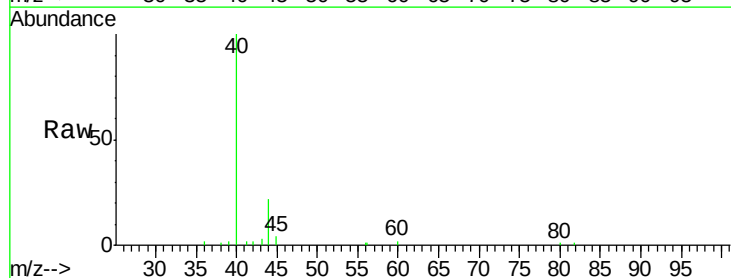


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

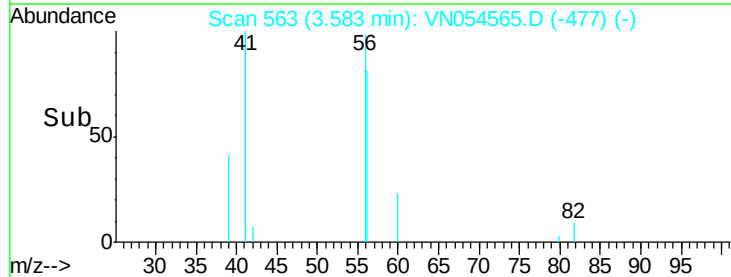
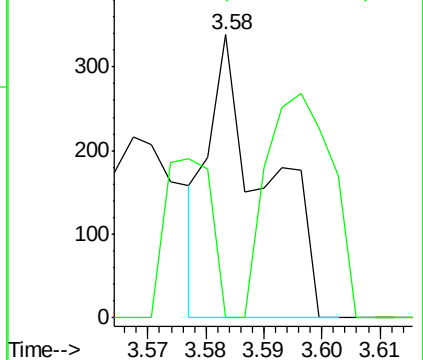


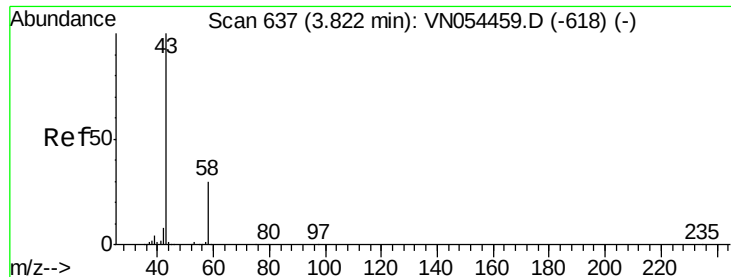
#13
 Acrolein
 Concen: 0.351 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: VN054565.D
 Acq: 22 Mar 2019 18:32

Tgt Ion: 56 Resp: 230
 Ion Ratio Lower Upper
 56 100
 55 46.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0

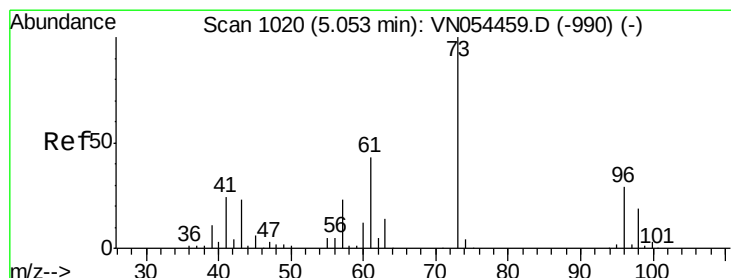
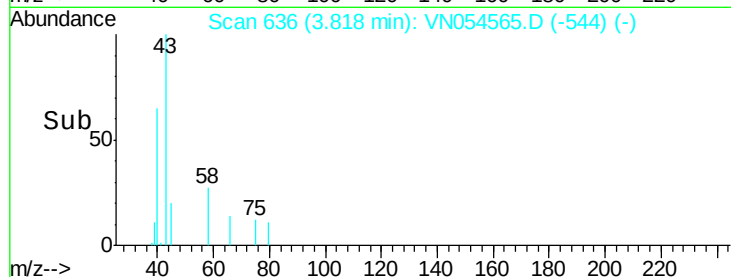
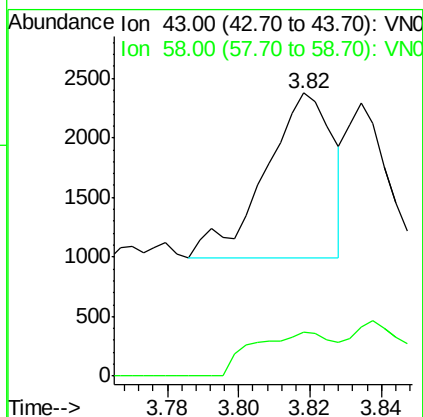
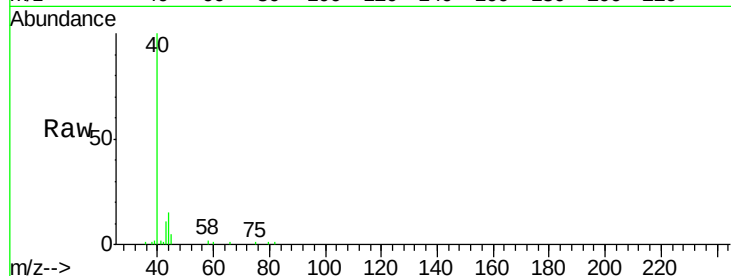




#16
Acetone
Concen: 0.767 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054565.D
Acq: 22 Mar 2019 18:32

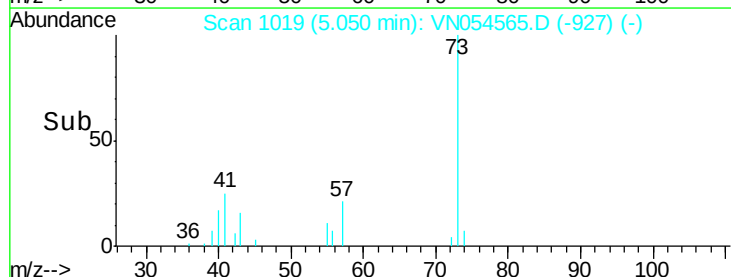
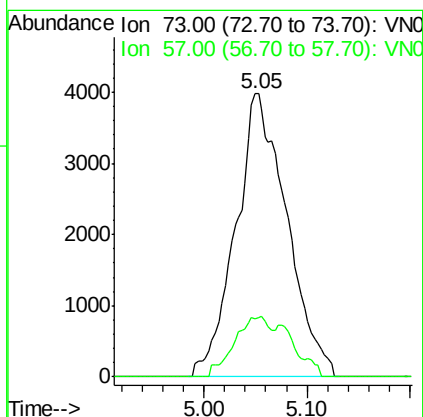
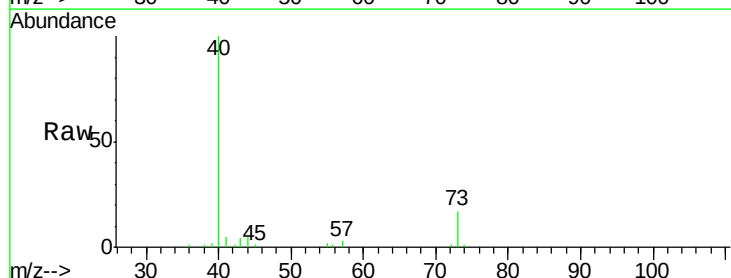
Instrument :
MSVOA_N
ClientSampleId :
BP-DUP05-20190315

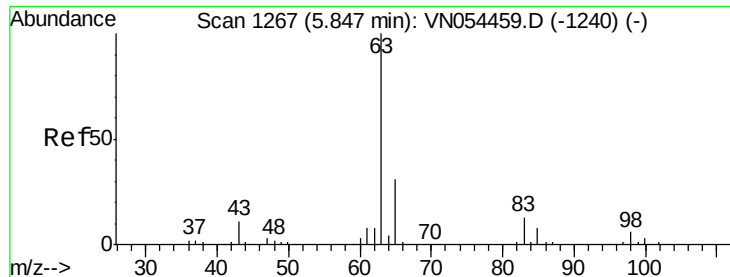
Tot Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
58 26.6 29.9 44.9#



#19
Methyl tert-butyl Ether
Concen: 0.771 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054565.D
Acq: 22 Mar 2019 18:32

Tgt Ion: 73 Resp: 13700
Ion Ratio Lower Upper
73 100
57 20.7 16.8 25.2

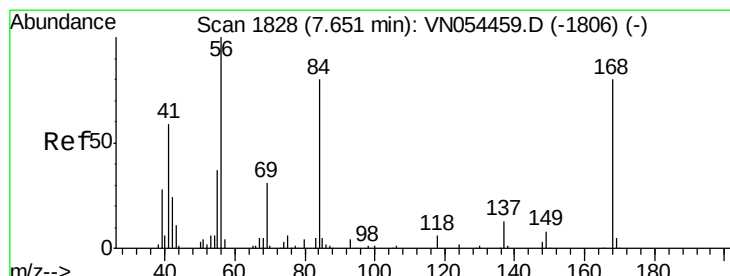
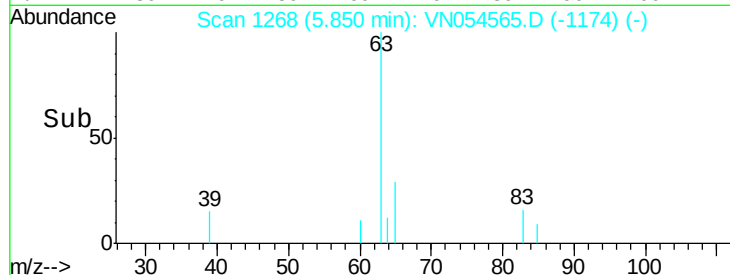
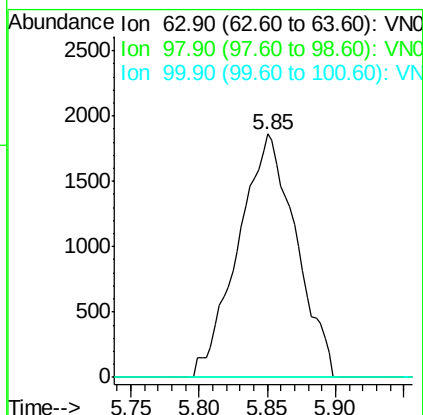
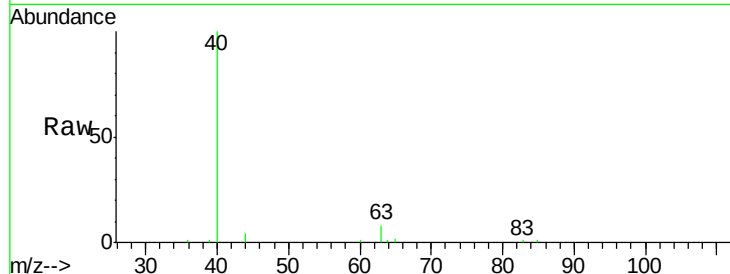




#24
 1,1-Dichloroethane
 Concen: 0.450 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054565.D
 Acq: 22 Mar 2019 18:32

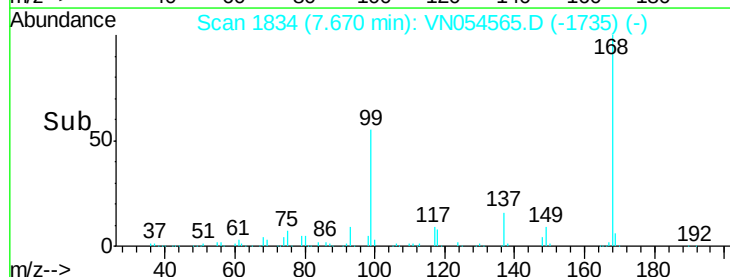
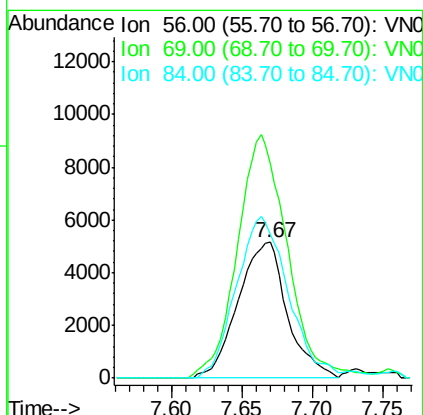
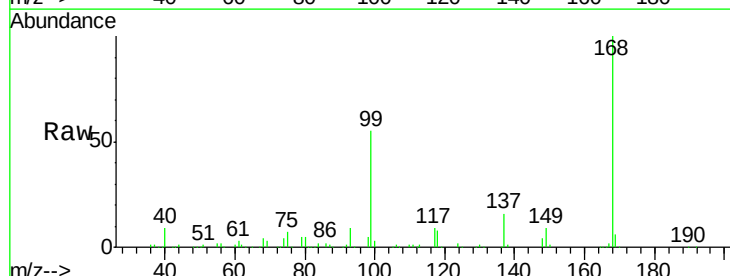
Instrument :
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 ClientSampleId :
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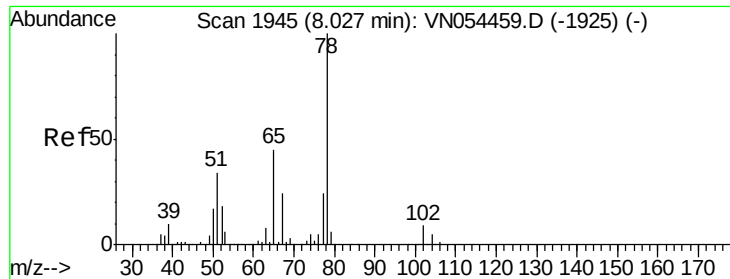
Tot Ion: 63 Resp: 5479
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.5#
 100 0.0 2.0 6.0#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.67 min Scan# 1834
 Delta R.T. 0.02 min
 Lab File: VN054565.D
 Acq: 22 Mar 2019 18:32

Tgt Ion: 56 Resp: 12551
 Ion Ratio Lower Upper
 56 100
 69 157.4 27.8 41.6#
 84 105.4 74.6 111.8

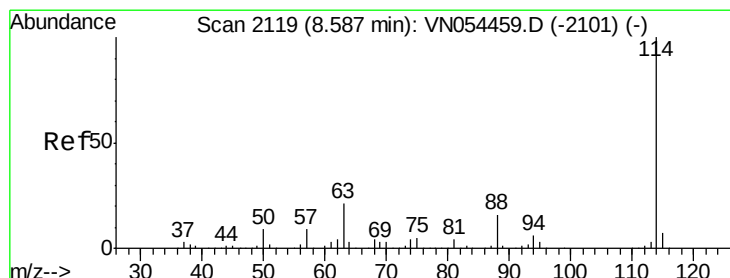
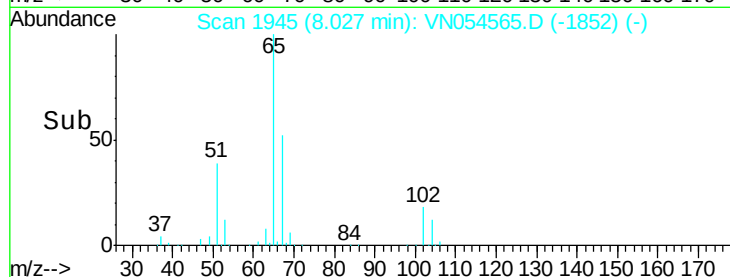
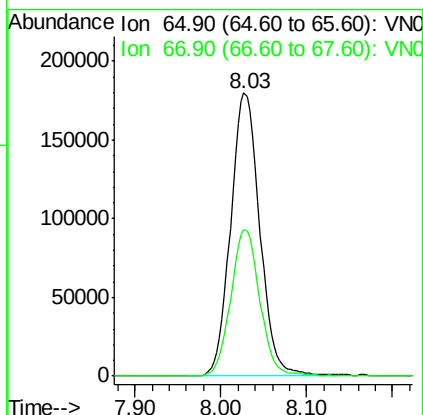
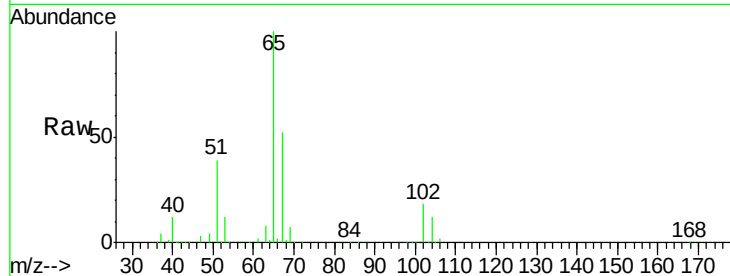




#33
 1,2-Dichloroethane-d4
 Concen: 54.035 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054565.D
 Acq: 22 Mar 2019 18:32

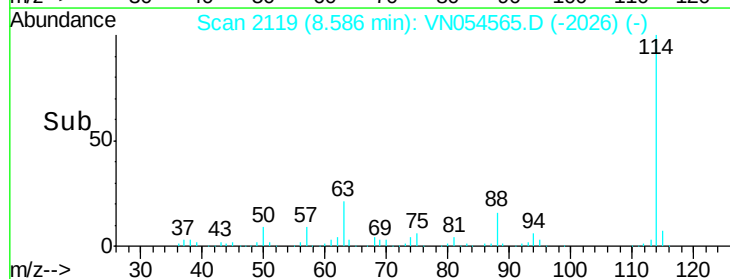
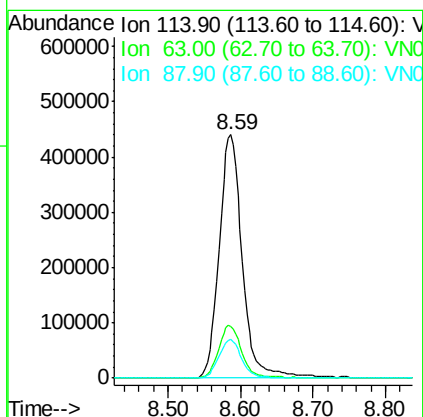
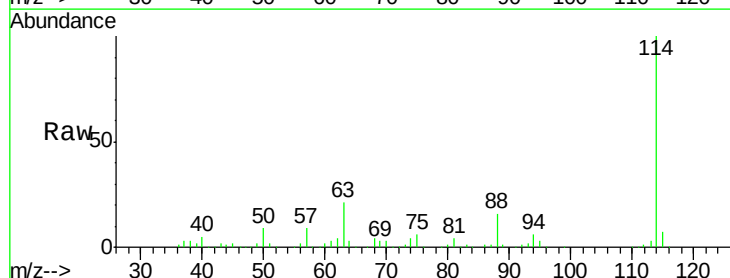
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 BP-DUP05-20190315

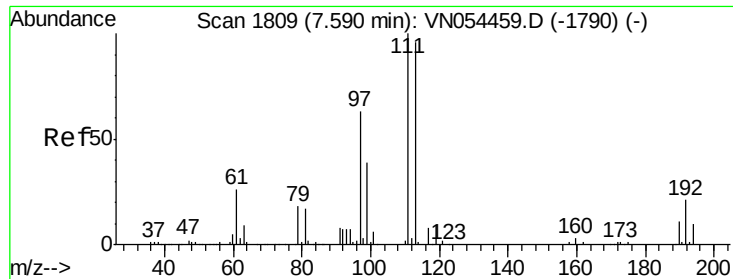
Tot Ion: 65 Resp: 424094
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054565.D
 Acq: 22 Mar 2019 18:32

Tgt Ion: 114 Resp: 974616
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 35.2
 88 15.7 0.0 30.2

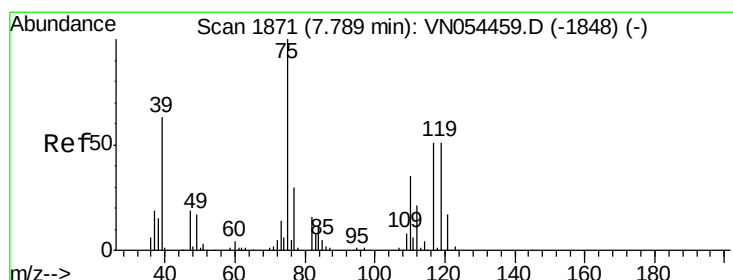
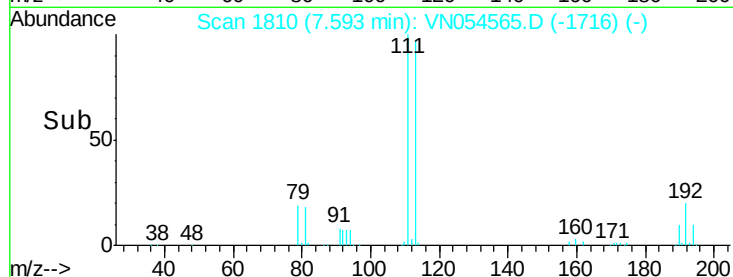
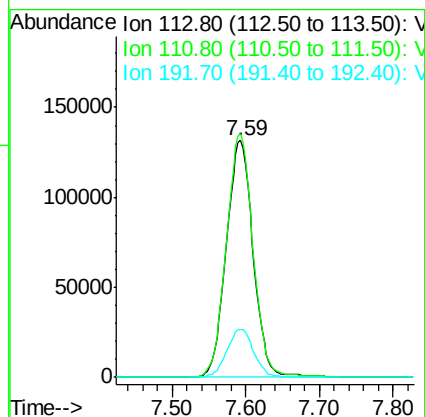
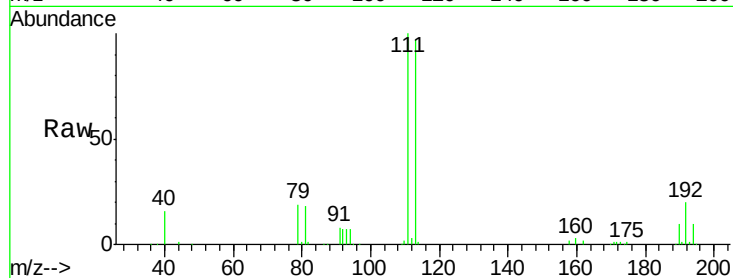




#35
Dibromofluoromethane
Concen: 53.094 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054565.D
Acq: 22 Mar 2019 18:32

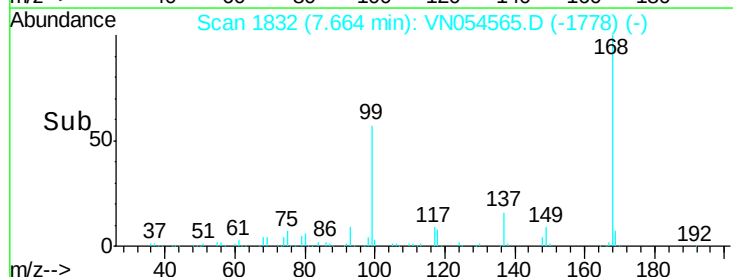
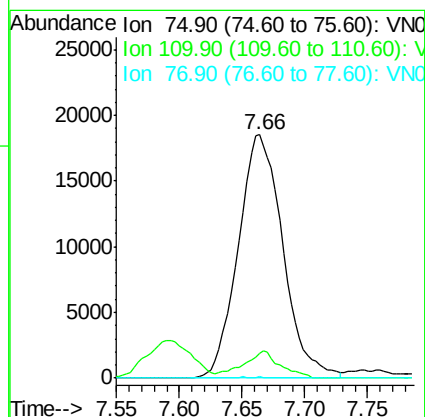
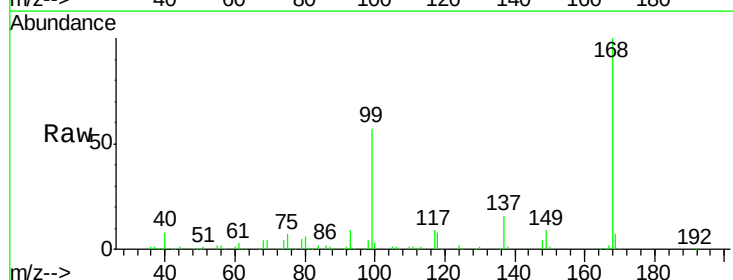
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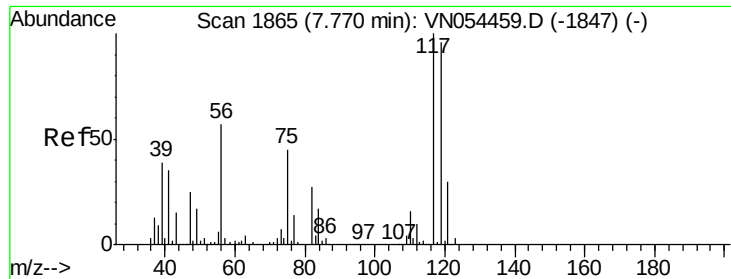
Tot Ion:113 Resp: 333373
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 20.2 19.2 28.8



#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054565.D
Acq: 22 Mar 2019 18:32

Tgt Ion: 75 Resp: 45825
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.5#
77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-DUP05-20190315

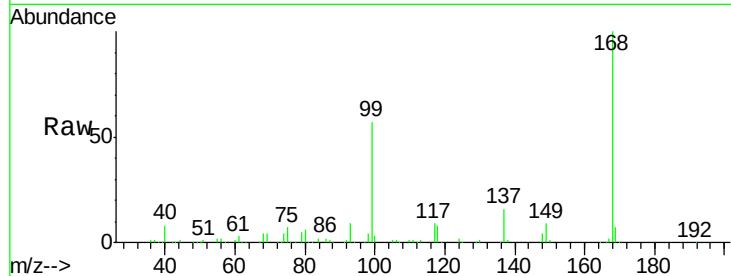
Tot Ion:117 Resp: 56729

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

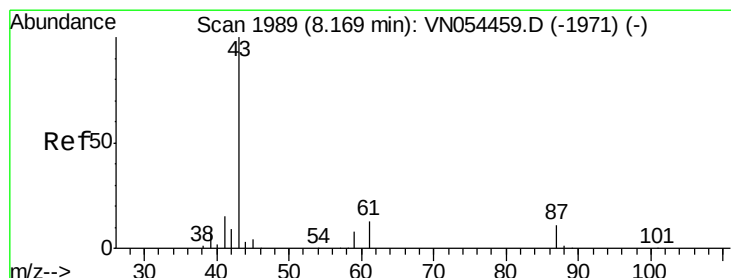
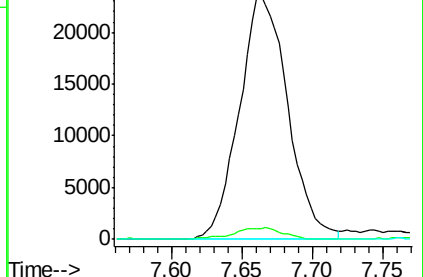
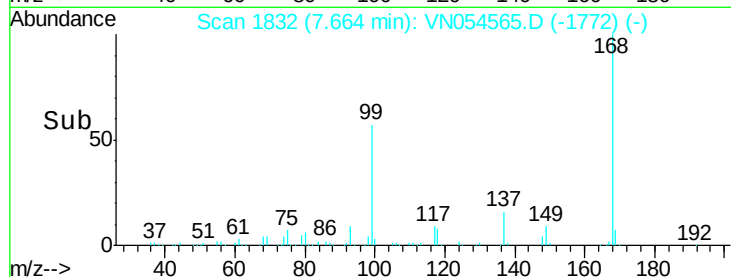
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.445 ug/l

RT: 8.26 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

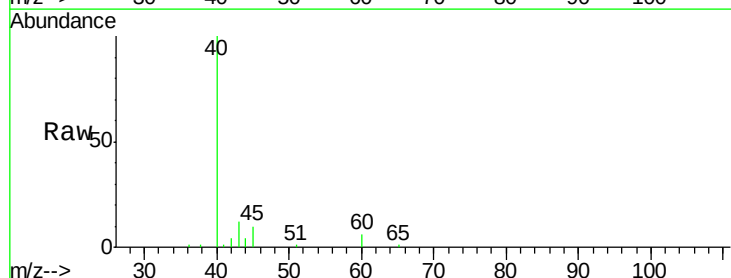
Tgt Ion: 43 Resp: 4873

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

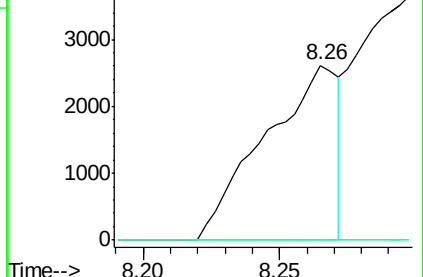
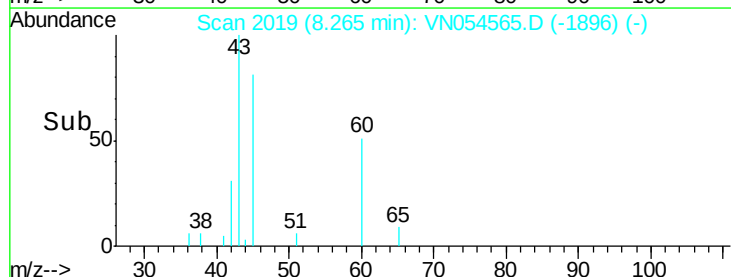
87 0.0 12.0 18.0#

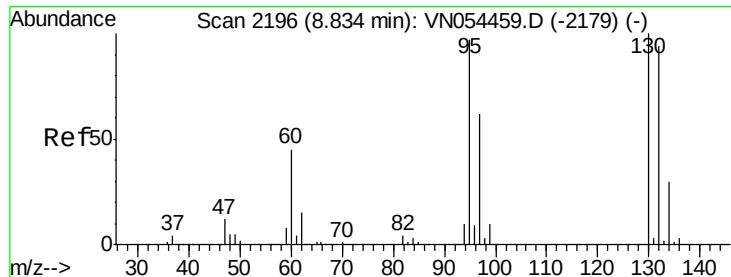


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 2.786 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

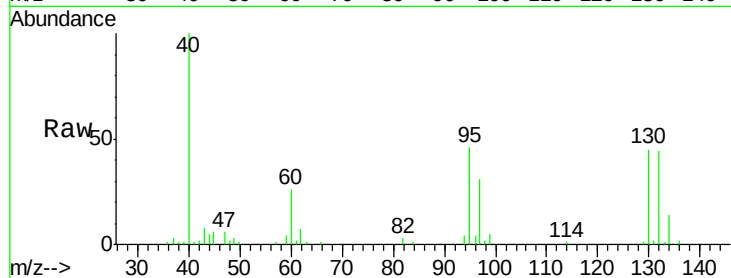
BP-DUP05-20190315

Tot Ion:130 Resp: 20185

Ion Ratio Lower Upper

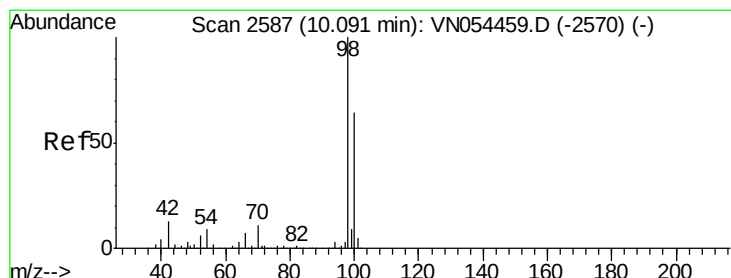
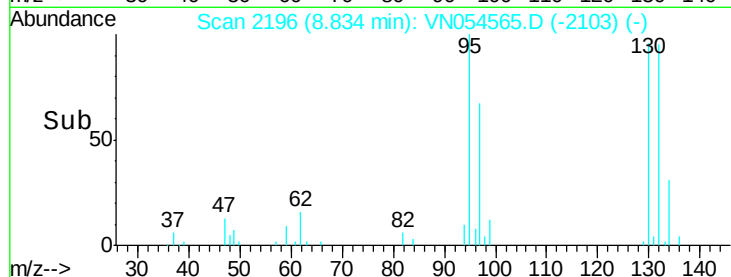
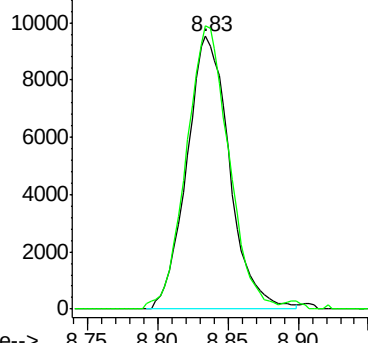
130 100

95 101.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 52.724 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054565.D

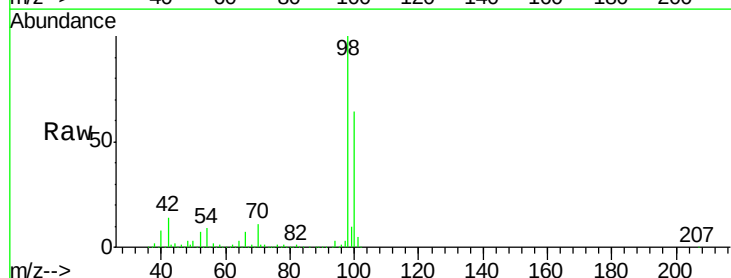
Acq: 22 Mar 2019 18:32

Tgt Ion: 98 Resp: 1244553

Ion Ratio Lower Upper

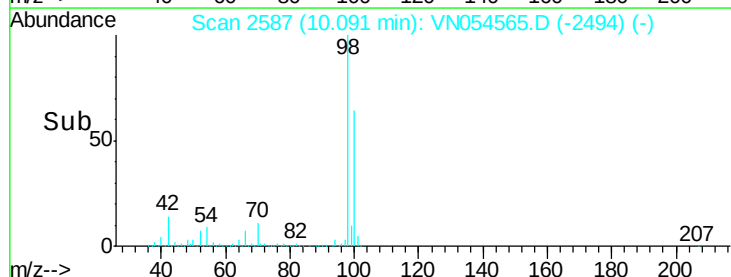
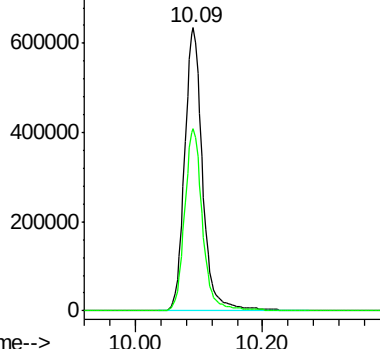
98 100

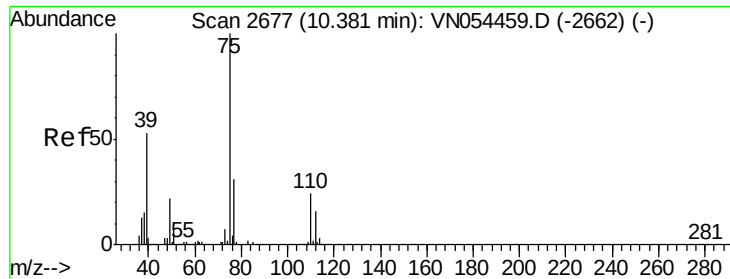
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#53

t-1,3-Dichloropropene

Concen: 2.243 ug/l

RT: 10.11 min Scan# 2592

Delta R.T. -0.27 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

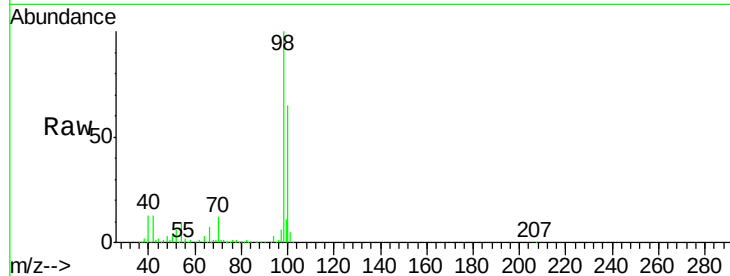
BP-DUP05-20190315

Tot Ion: 75 Resp: 106

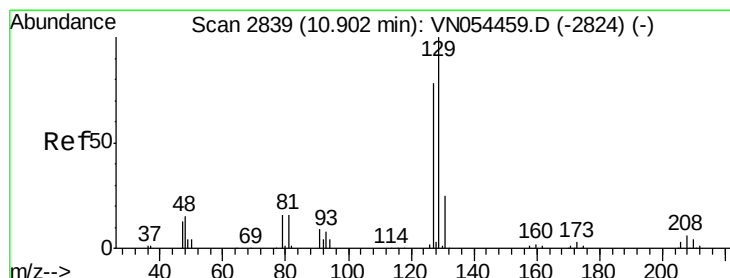
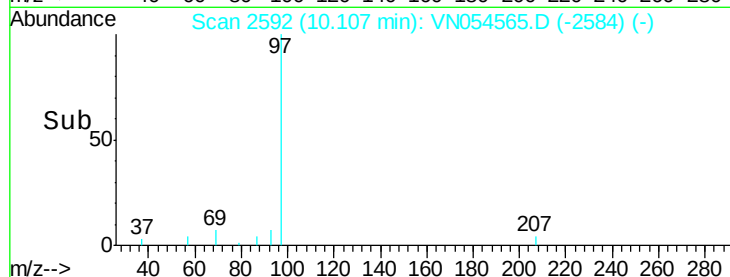
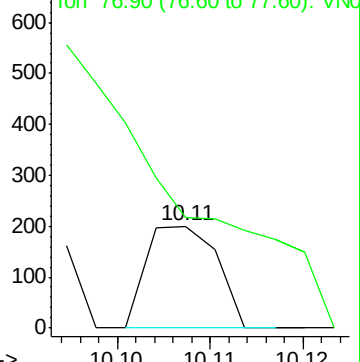
Ion Ratio Lower Upper

75 100

77 21.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-2662) (-)



#60

Dibromochloromethane

Concen: 2.308 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054565.D

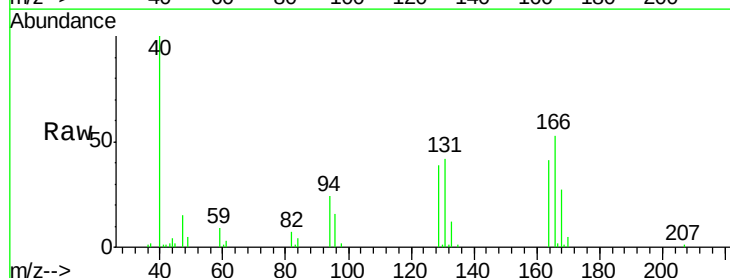
Acq: 22 Mar 2019 18:32

Tgt Ion: 129 Resp: 14148

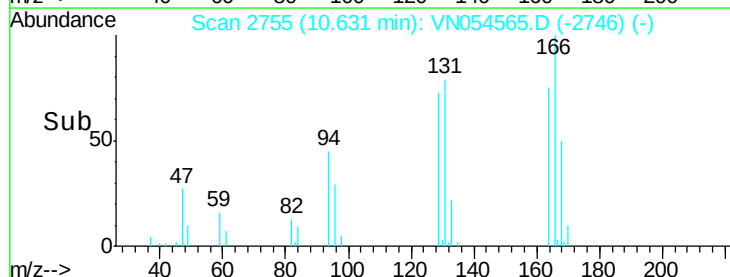
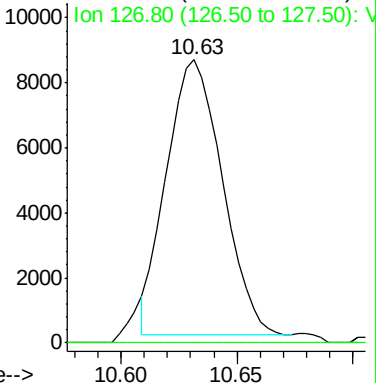
Ion Ratio Lower Upper

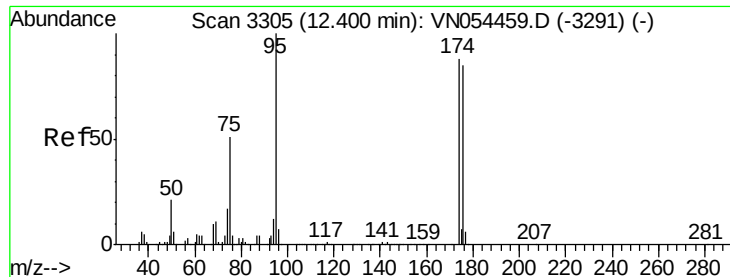
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VN054459.D (-2824) (-)





#62

4-Bromofluorobenzene

Concen: 46.411 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-DUP05-20190315

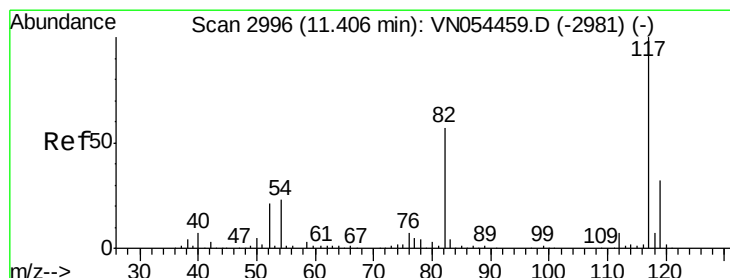
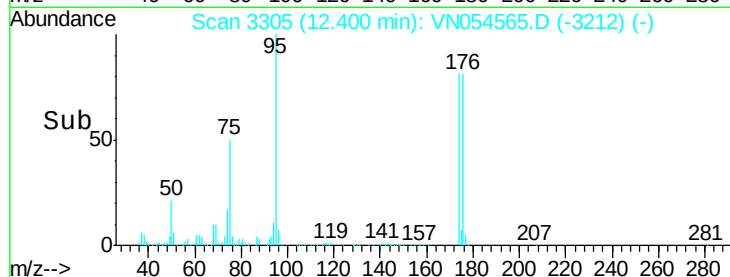
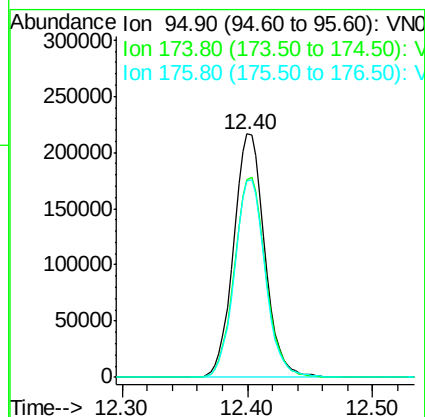
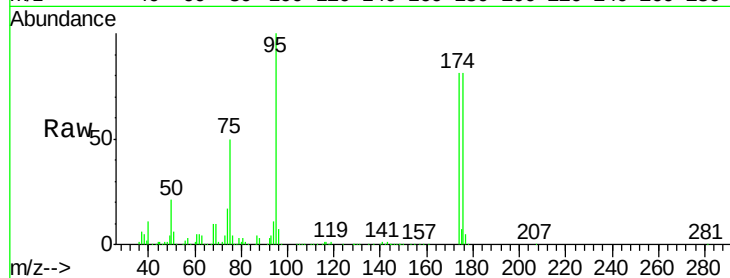
Tot Ion: 95 Resp: 372793

Ion Ratio Lower Upper

95 100

174 82.5 0.0 191.0

176 80.4 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

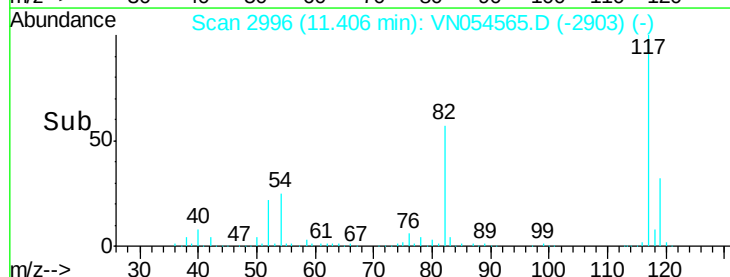
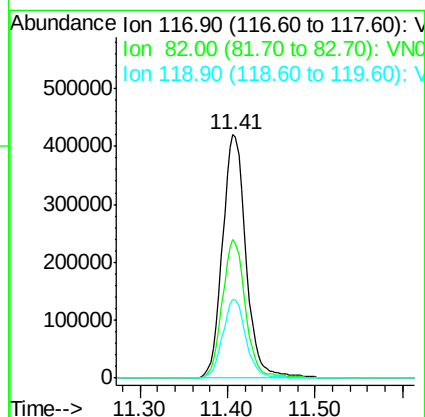
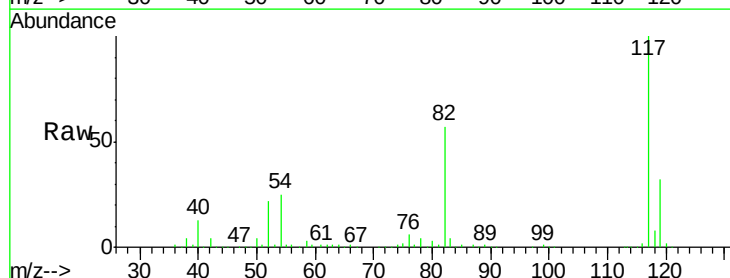
Tgt Ion: 117 Resp: 785256

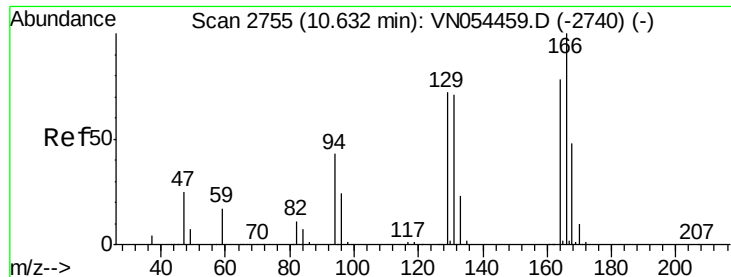
Ion Ratio Lower Upper

117 100

82 56.9 40.0 60.0

119 32.5 25.8 38.6





#64

Tetrachloroethene

Concen: 2.593 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-DUP05-20190315

Tot Ion:164 Resp: 16891

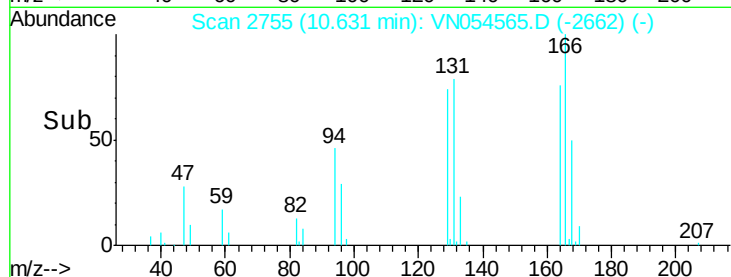
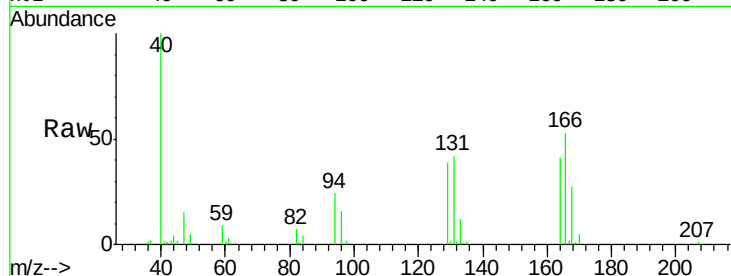
Ion Ratio Lower Upper

164 100

166 131.3 103.9 155.9

129 96.7 71.1 106.7

131 103.7 68.2 102.4#

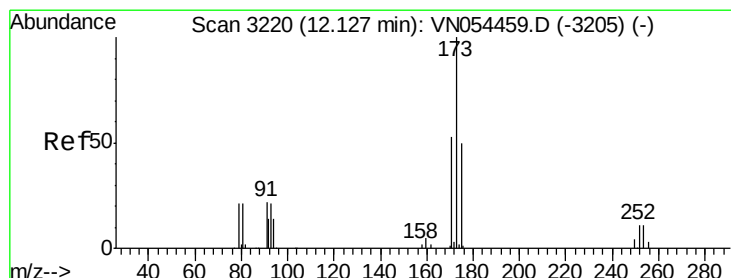
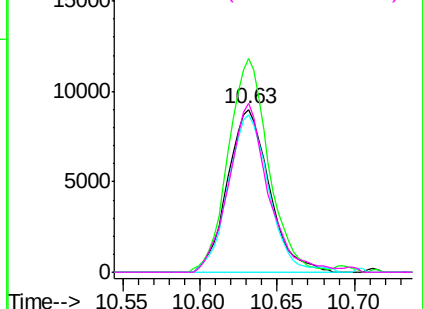


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 2.341 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

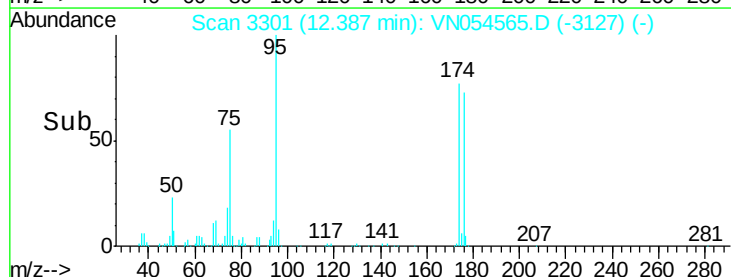
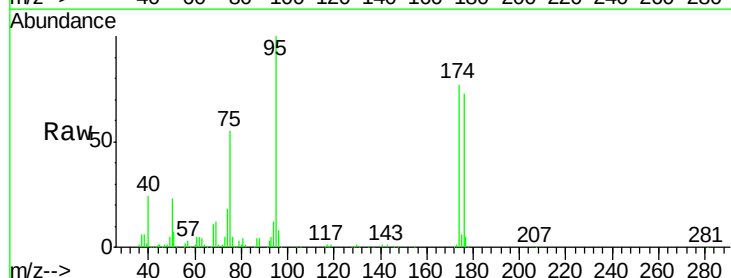
Tgt Ion:173 Resp: 498

Ion Ratio Lower Upper

173 100

175 4198.6 24.4 73.2#

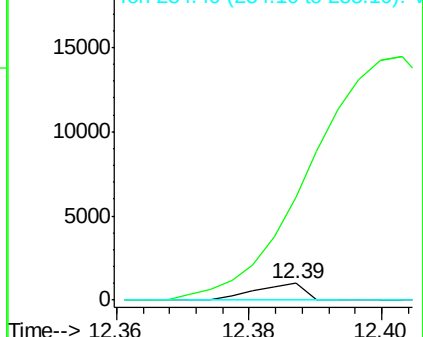
254 0.0 0.1 0.1#

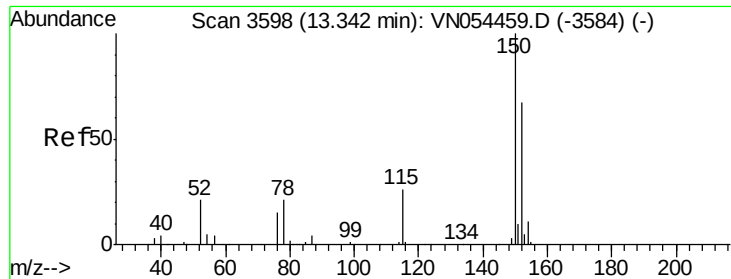


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-DUP05-20190315

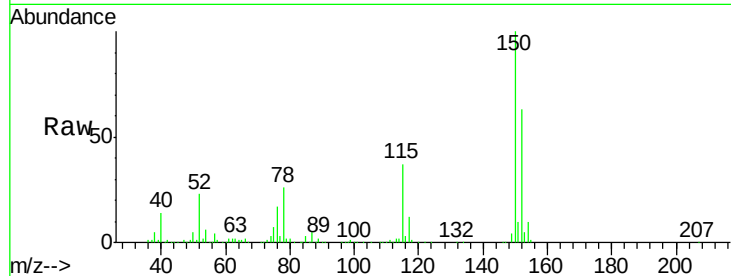
Tot Ion:152 Resp: 272740

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

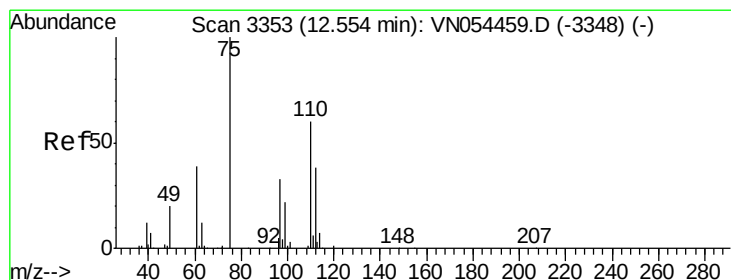
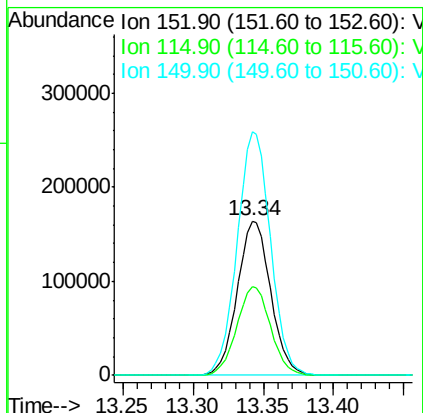
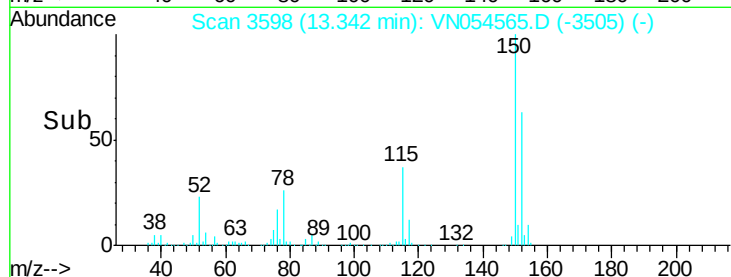
150 157.3 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 44.151 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054565.D

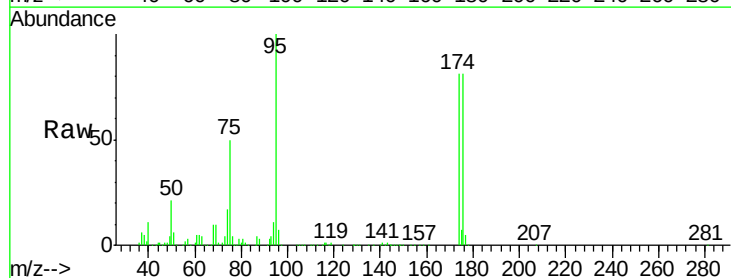
Acq: 22 Mar 2019 18:32

Tgt Ion: 75 Resp: 191083

Ion Ratio Lower Upper

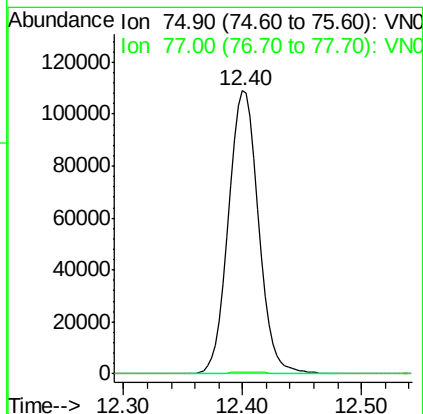
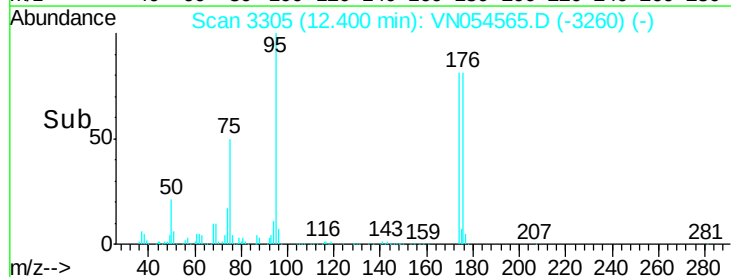
75 100

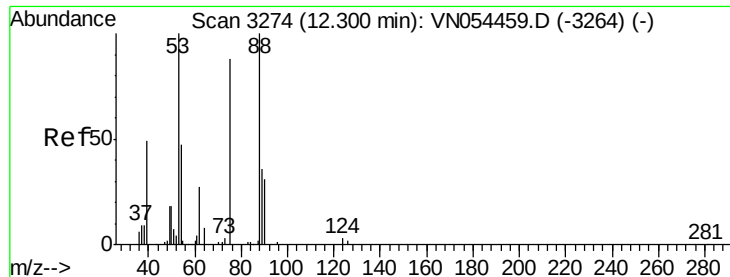
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 145.720 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054565.D

Acq: 22 Mar 2019 18:32

Instrument :

MSVOA_N

ClientSampleId :

BP-DUP05-20190315

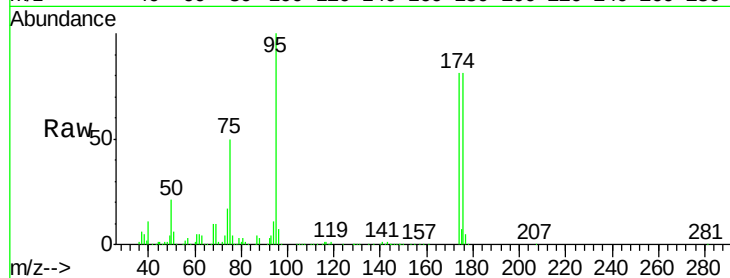
Tot Ion: 75 Resp: 191083

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

