

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054568.D
 Acq On : 22 Mar 2019 19:55
 Operator : JC/SP
 Sample : K1965-12RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30212-20190315

Quant Time: Mar 23 02:34:41 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	621506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	961796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	269240	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	426274	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	7.59	113	331241	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	10.09	98	1251864	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.40	95	371515	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

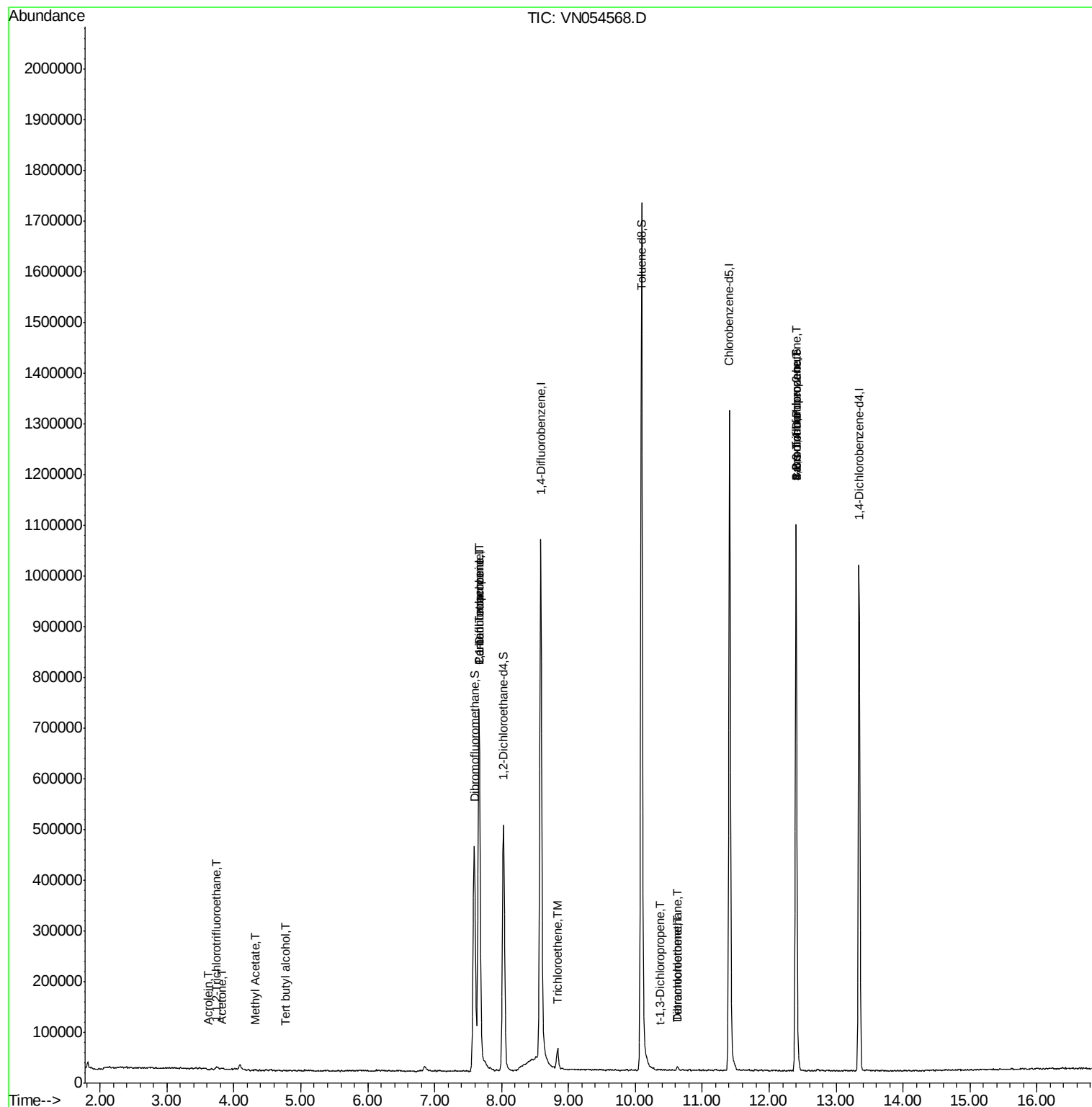
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1320	0.228	ug/l #	75
11) Tert butyl alcohol	4.77	59	205	0.438	ug/l #	70
13) Acrolein	3.62	56	157	0.243	ug/l	87
16) Acetone	3.82	43	6613	2.845	ug/l #	73
18) Methyl Acetate	4.33	43	1047	0.202	ug/l #	49
31) Cyclohexane	7.66	56	13710	Below Cal	#	26
36) 1,1-Dichloropropene	7.67	75	45906	5.105	ug/l #	49
38) Carbon Tetrachloride	7.66	117	57597	6.591	ug/l #	15
44) Trichloroethene	8.84	130	15469	2.164	ug/l	92
53) t-1,3-Dichloropropene	10.37	75	72	2.240	ug/l #	56
60) Dibromochloromethane	10.63	129	1539	0.254	ug/l #	11
64) Tetrachloroethene	10.63	164	1583	0.242	ug/l #	80
71) Bromoform	12.40	173	1364	2.549	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	191275	44.770	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191275	147.718	ug/l #	11

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

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BPS1-TT-MW30212-20190315

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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: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

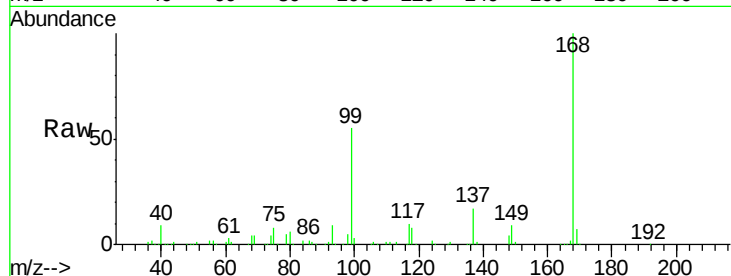
BPS1-TT-MW30212-20190315

Tot Ion:168 Resp: 621506

Ion Ratio Lower Upper

168 100

99 54.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

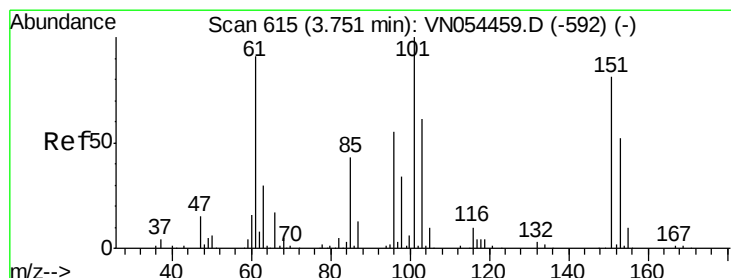
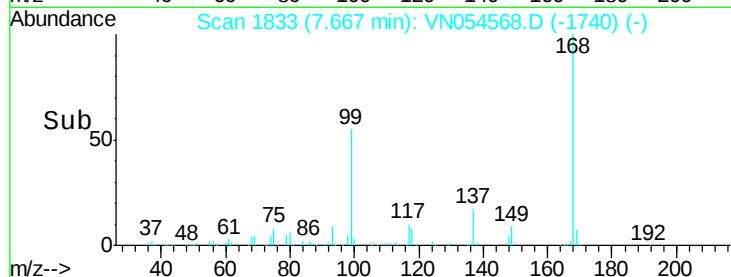
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.228 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

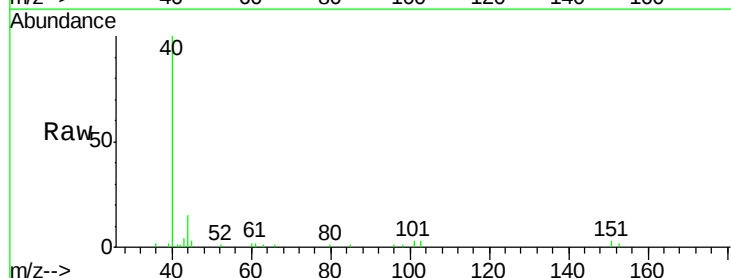
Tgt Ion:101 Resp: 1320

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

151 52.3 68.2 102.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

800

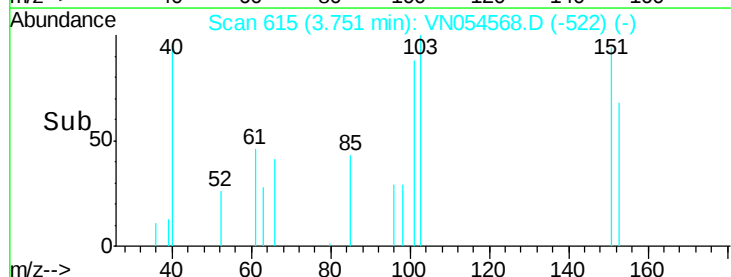
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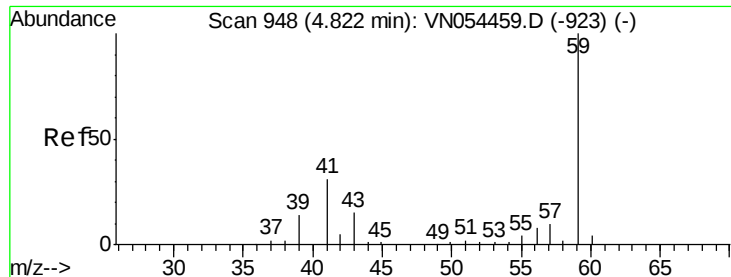
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200

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Time-->

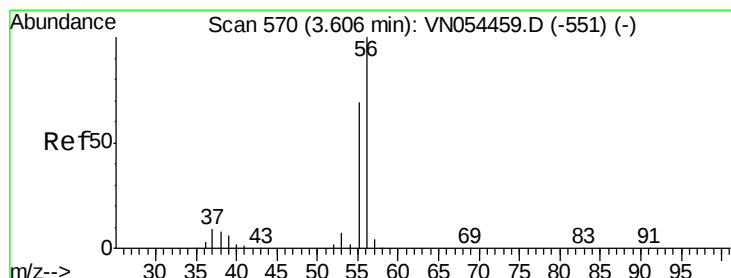
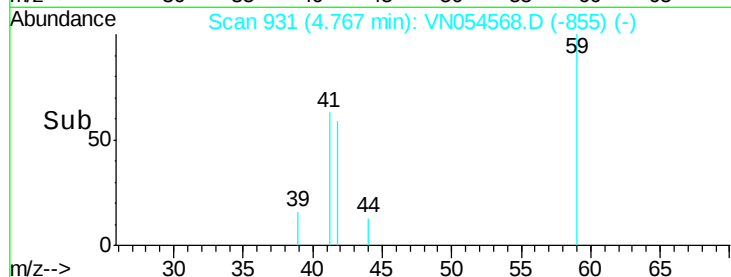
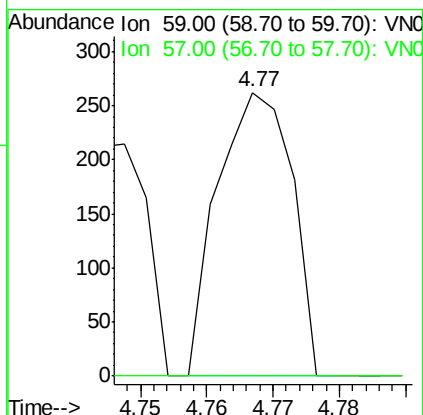
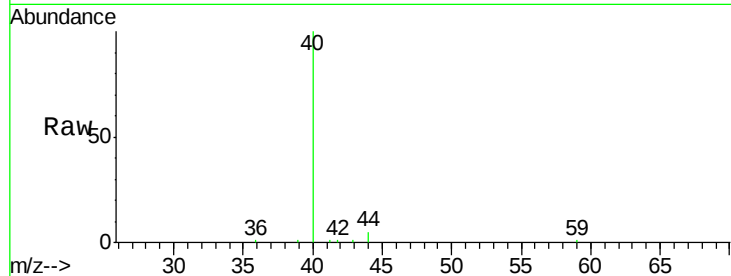




#11
Tert butyl alcohol
Concen: 0.438 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.05 min
Lab File: VN054568.D
Acq: 22 Mar 2019 19:55

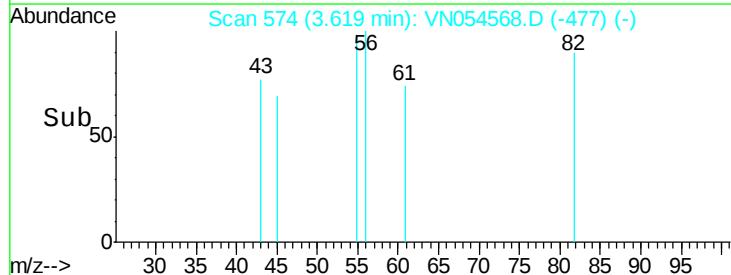
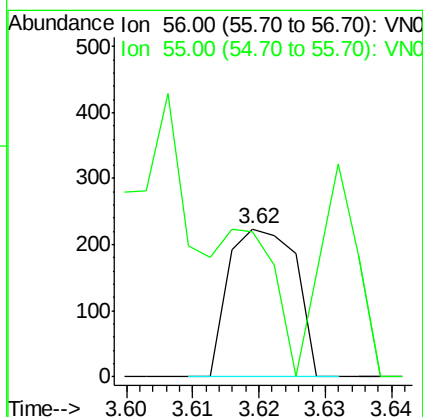
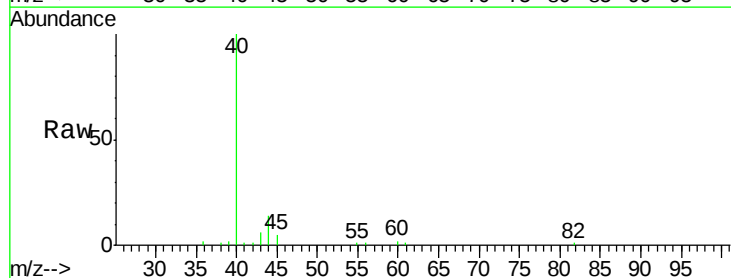
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30212-20190315

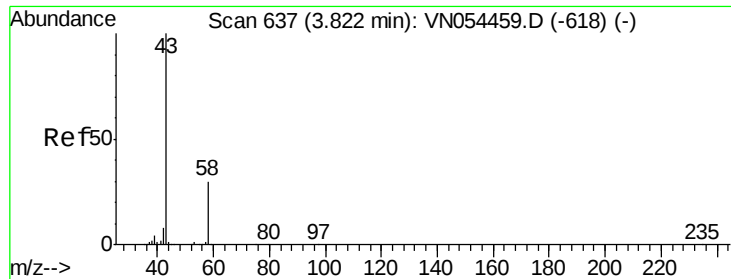
Tot Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 0.243 ug/l
RT: 3.62 min Scan# 574
Delta R.T. 0.01 min
Lab File: VN054568.D
Acq: 22 Mar 2019 19:55

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 81.5 56.7 85.1

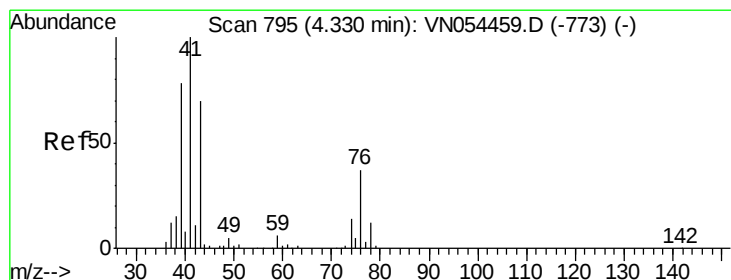
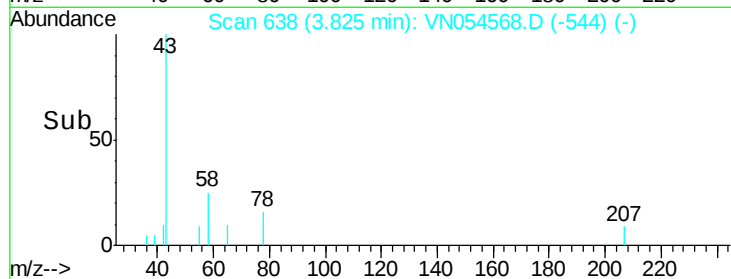
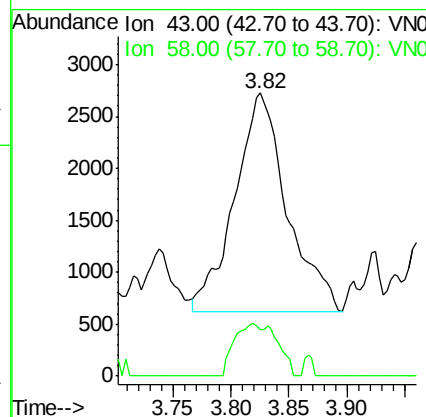
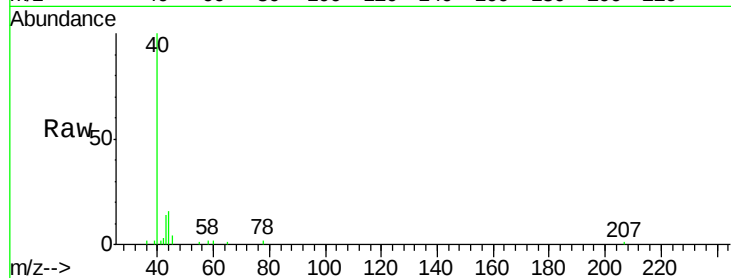




#16
Acetone
Concen: 2.845 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN054568.D
Acq: 22 Mar 2019 19:55

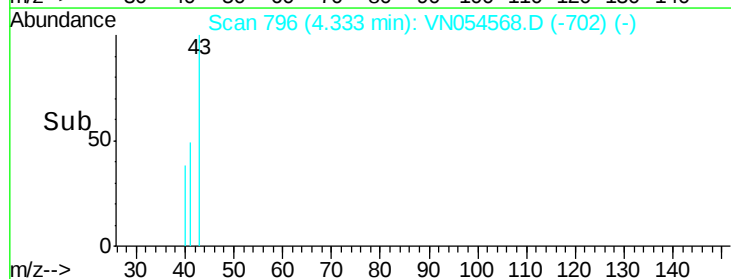
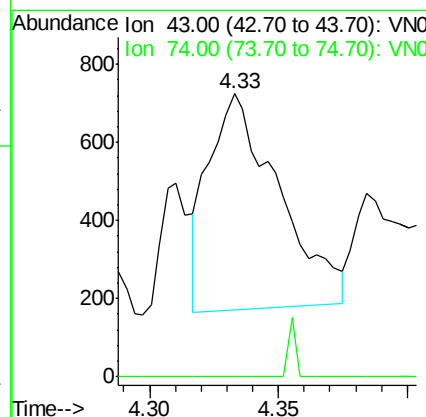
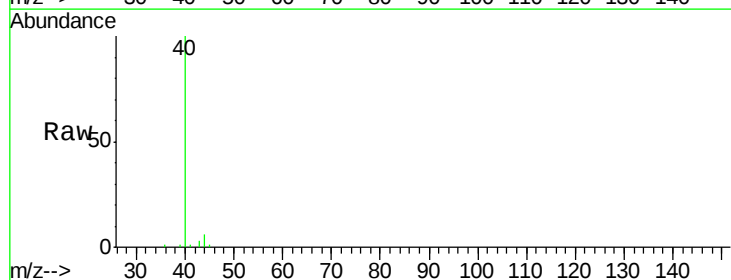
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MSVOA_N
ClientSampleId :
BPS1-TT-MW30212-20190315

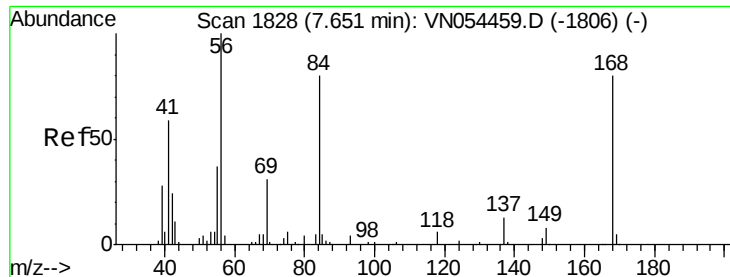
Tot Ion: 43 Resp: 6613
Ion Ratio Lower Upper
43 100
58 21.2 29.9 44.9#



#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054568.D
Acq: 22 Mar 2019 19:55

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

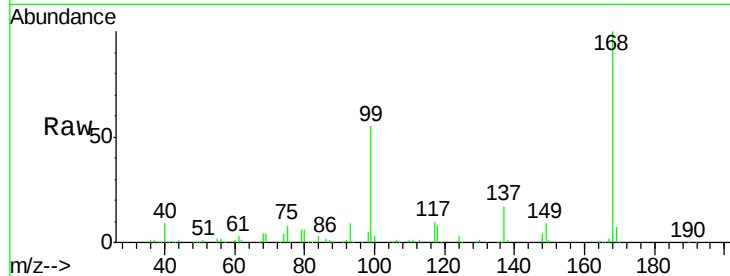




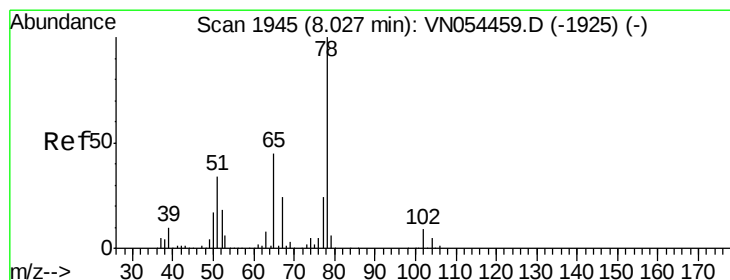
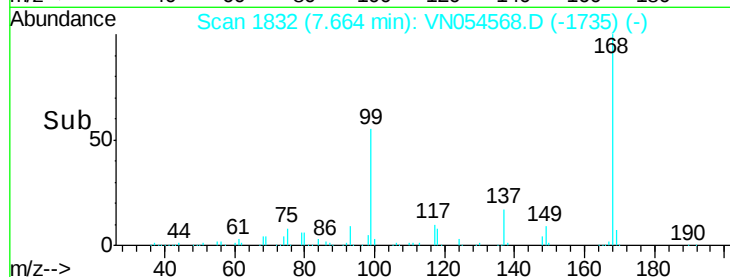
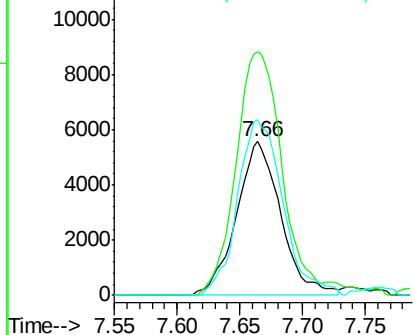
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054568.D
Acq: 22 Mar 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30212-20190315

Tot Ion: 56 Resp: 13710
Ion Ratio Lower Upper
56 100
69 158.5 27.8 41.6#
84 114.1 74.6 111.8#

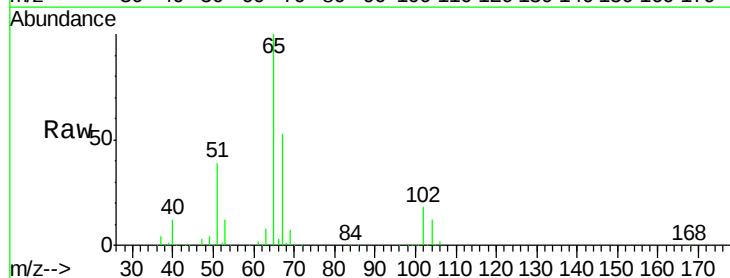


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

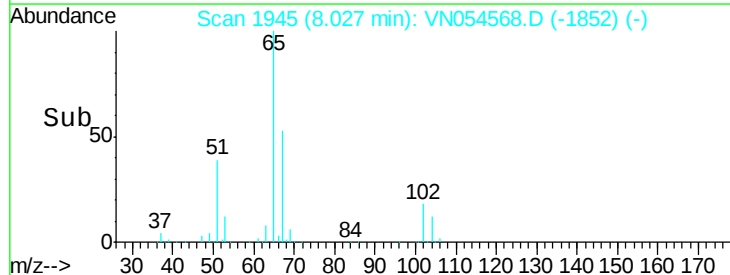
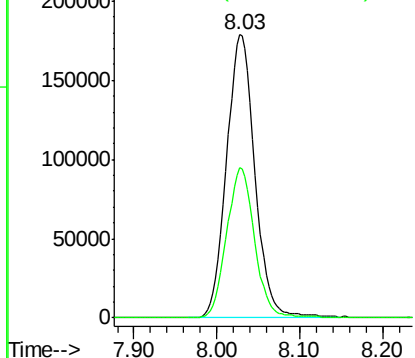


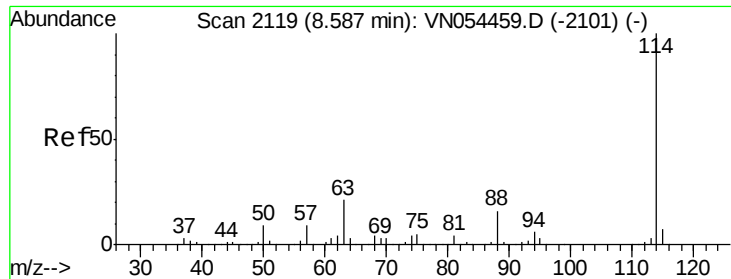
#33
1,2-Dichloroethane-d4
Concen: 55.142 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054568.D
Acq: 22 Mar 2019 19:55

Tgt Ion: 65 Resp: 426274
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6



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

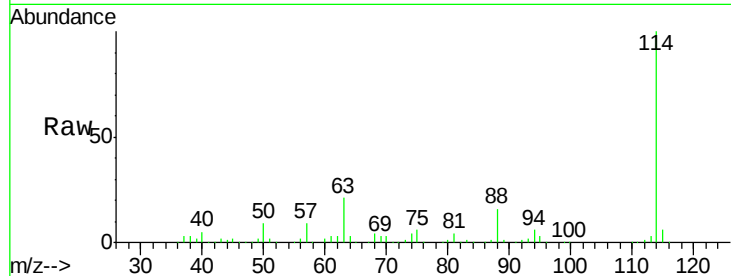




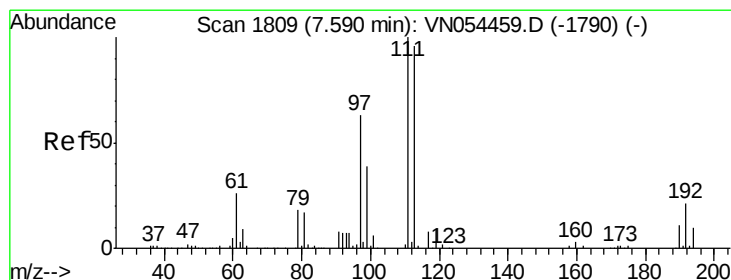
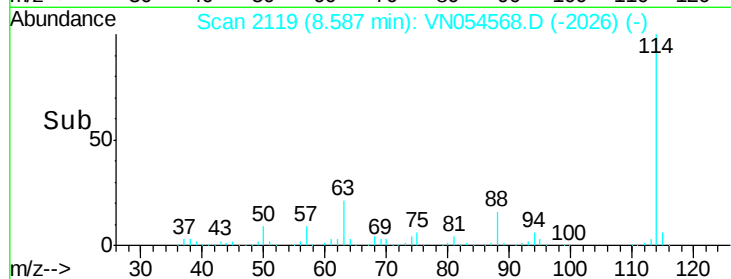
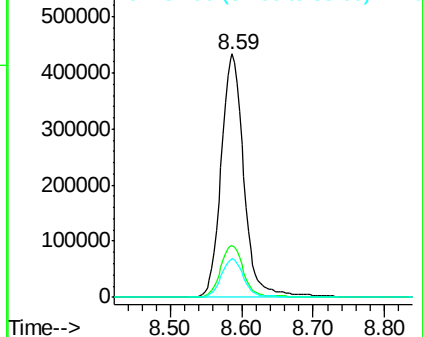
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054568.D
 Acq: 22 Mar 2019 19:55

Instrument :
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 BPS1-TT-MW30212-20190315

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	35.2
88	15.8	0.0	30.2

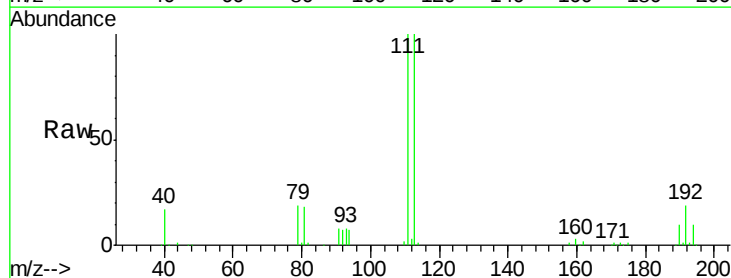


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

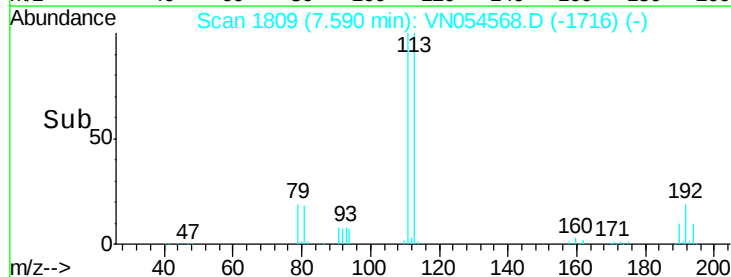
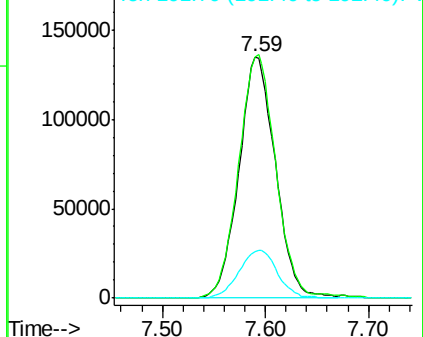


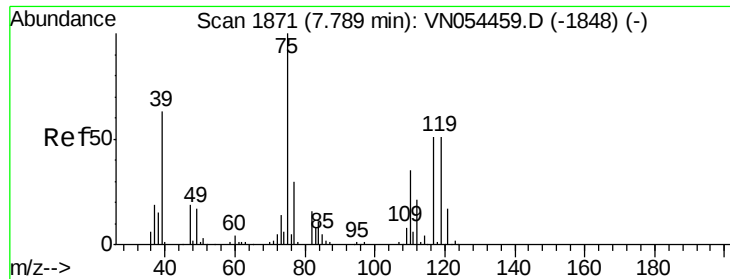
#35
 Dibromofluoromethane
 Concen: 53.457 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054568.D
 Acq: 22 Mar 2019 19:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	20.9	19.2	28.8



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

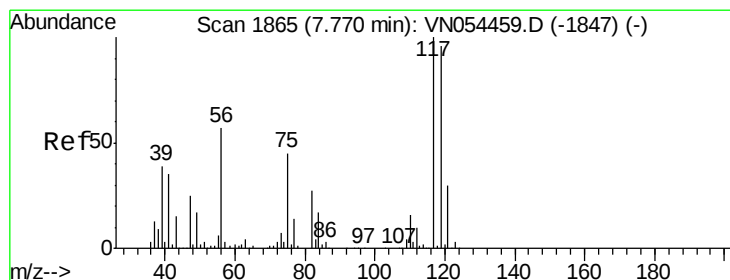
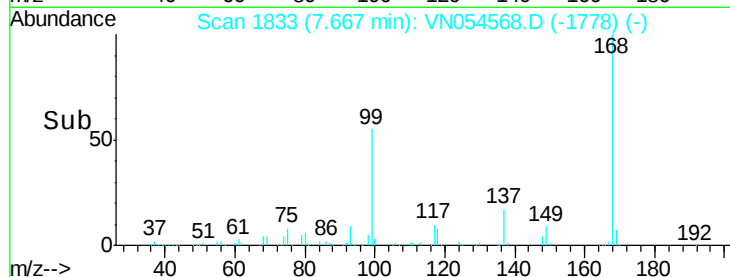
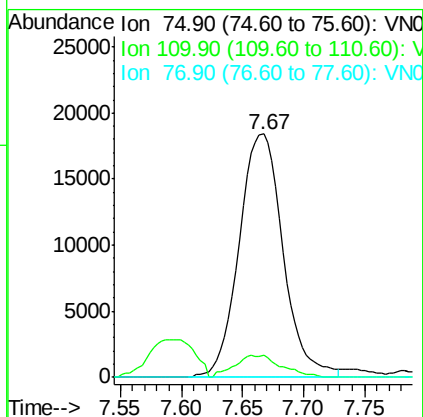
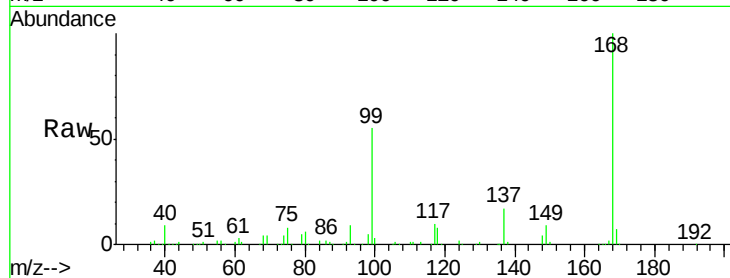




#36
 1,1-Dichloropropene
 Concen: 5.105 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054568.D
 Acq: 22 Mar 2019 19:55

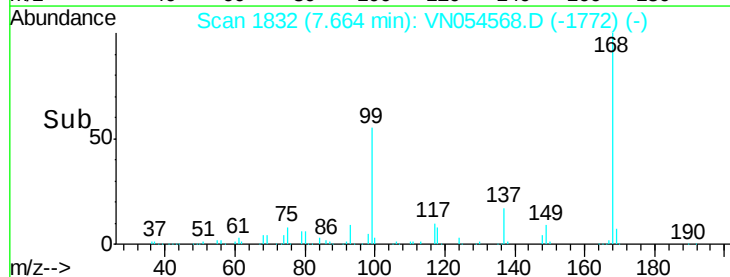
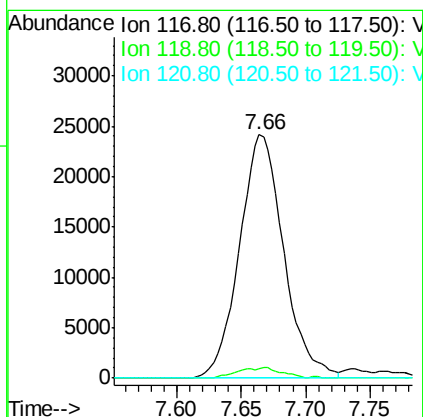
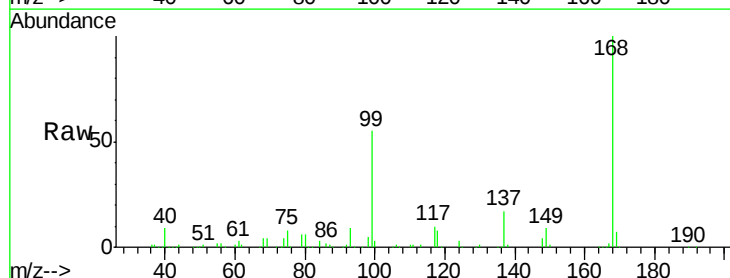
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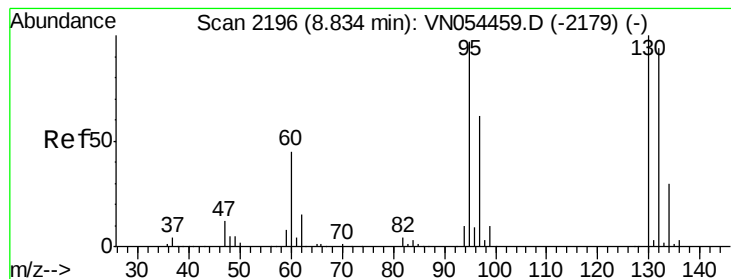
Tot Ion: 75 Resp: 45906
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.591 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054568.D
 Acq: 22 Mar 2019 19:55

Tgt Ion: 117 Resp: 57597
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.3 114.5#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 2.164 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

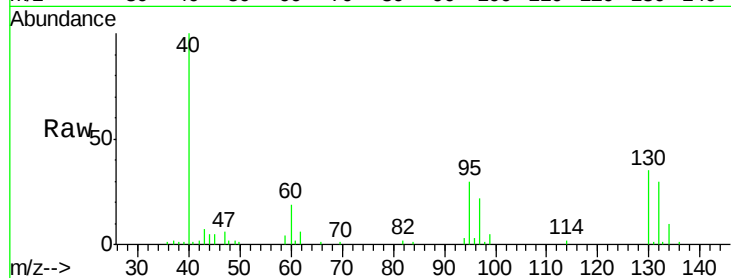
BPS1-TT-MW30212-20190315

Tot Ion:130 Resp: 15469

Ion Ratio Lower Upper

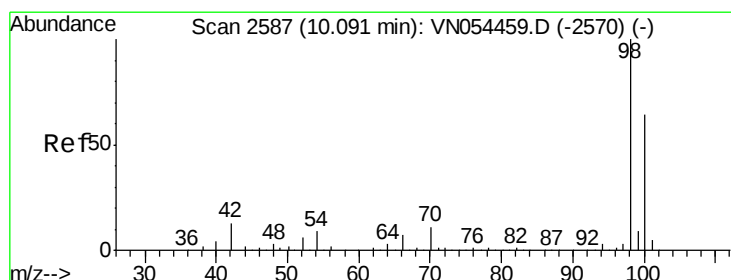
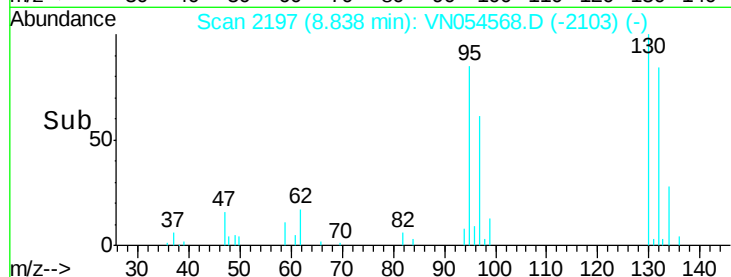
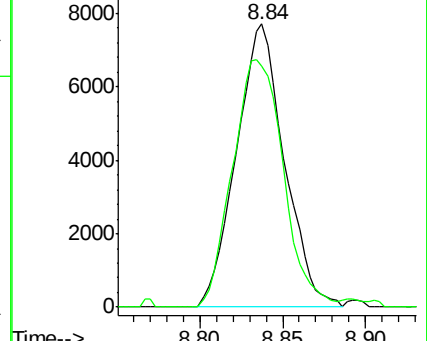
130 100

95 85.3 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: 53.741 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054568.D

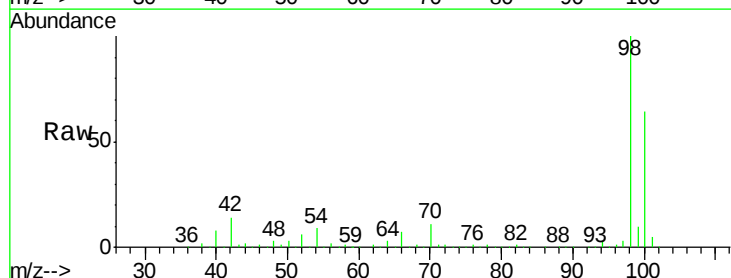
Acq: 22 Mar 2019 19:55

Tgt Ion: 98 Resp: 1251864

Ion Ratio Lower Upper

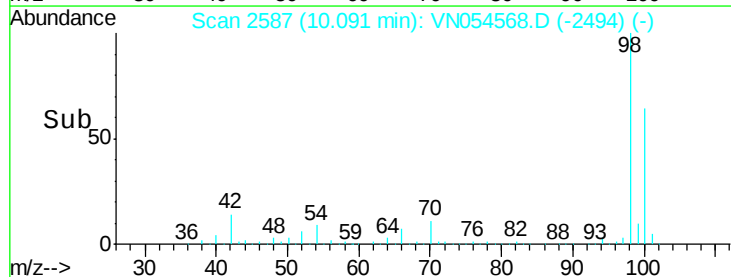
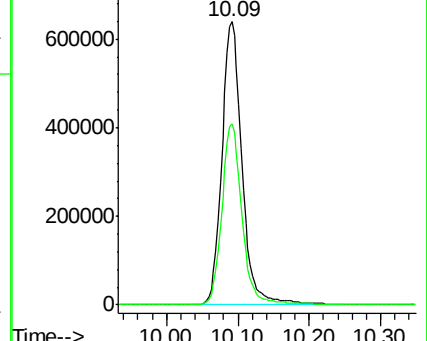
98 100

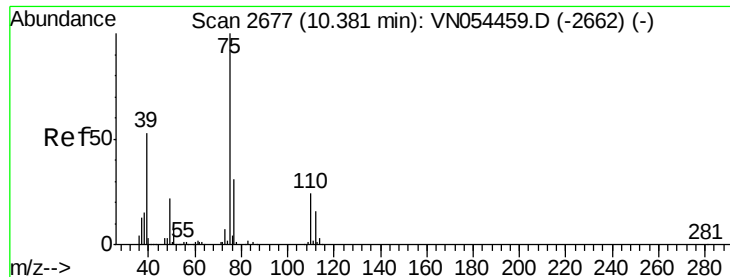
100 63.9 51.2 76.8



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: 2.240 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.01 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

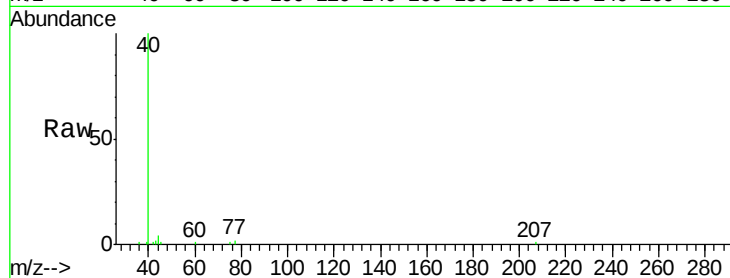
BPS1-TT-MW30212-20190315

Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

77 57.1 25.8 38.8#



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

Ion 76.90 (76.60 to 77.60): VN054459.D (-2662) (-)

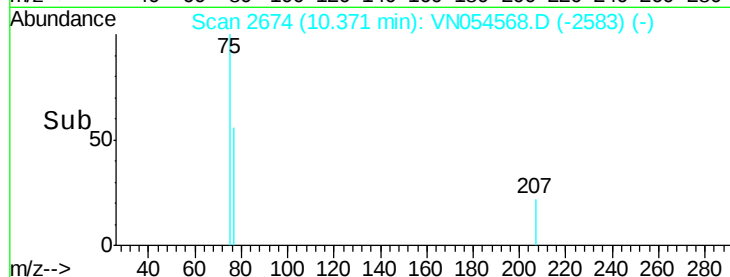
600

400

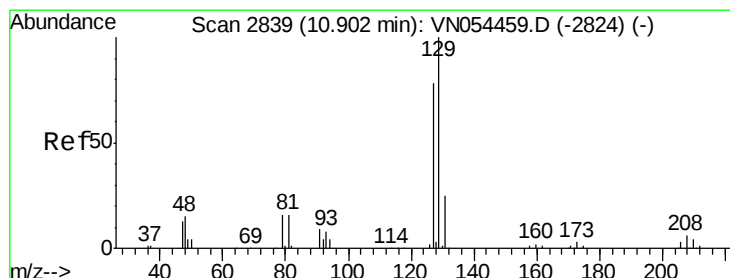
200

0

10.36 10.37 10.38



Time-->



#60

Dibromochloromethane

Concen: 0.254 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054568.D

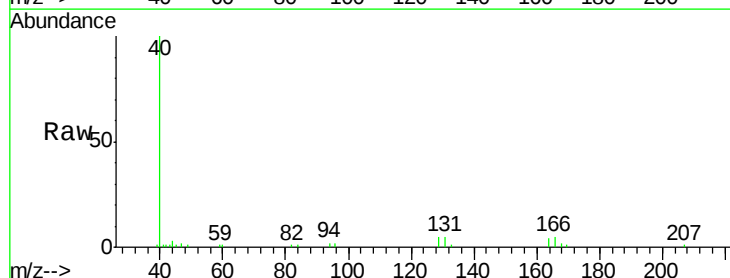
Acq: 22 Mar 2019 19:55

Tgt Ion: 129 Resp: 1539

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) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2824) (-)

1200

1000

800

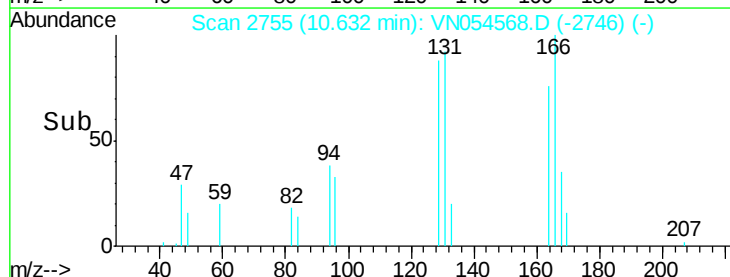
600

400

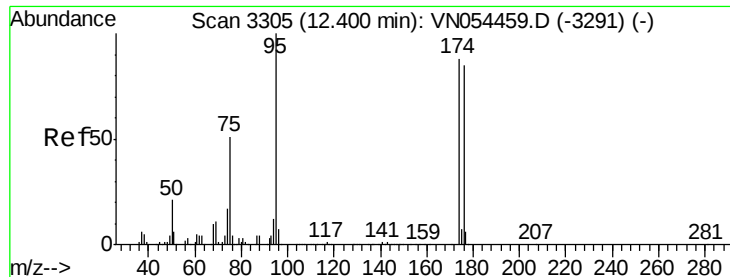
200

0

10.60 10.63 10.65



Time-->



#62

4-Bromofluorobenzene

Concen: 46.869 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

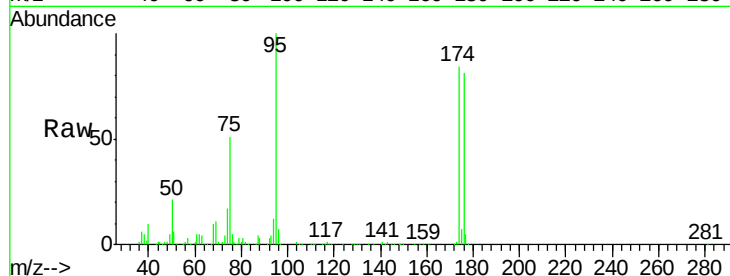
Tot Ion: 95 Resp: 371515

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

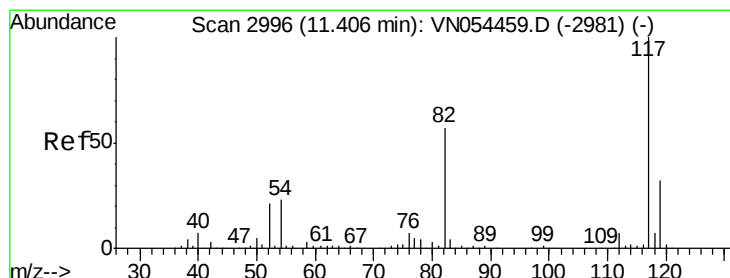
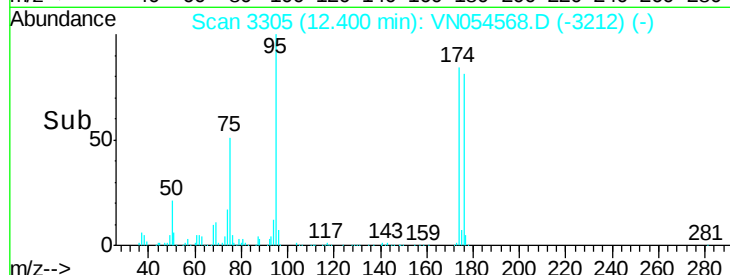
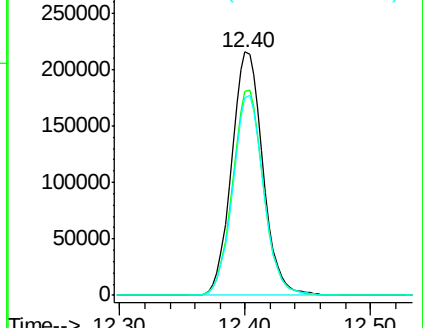
176 81.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054568.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054568.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054568.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

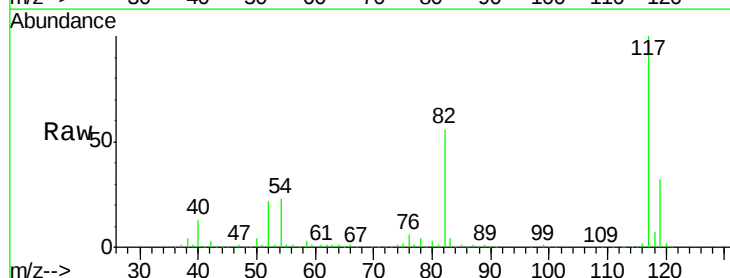
Tgt Ion: 117 Resp: 788218

Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

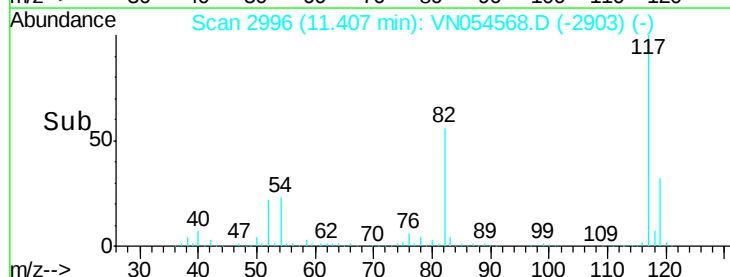
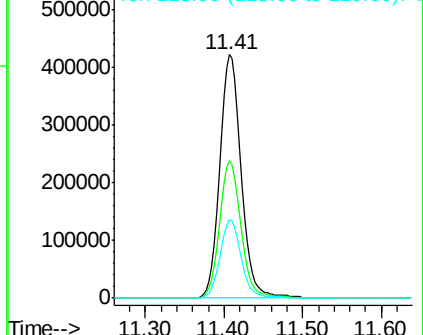
119 32.0 25.8 38.6

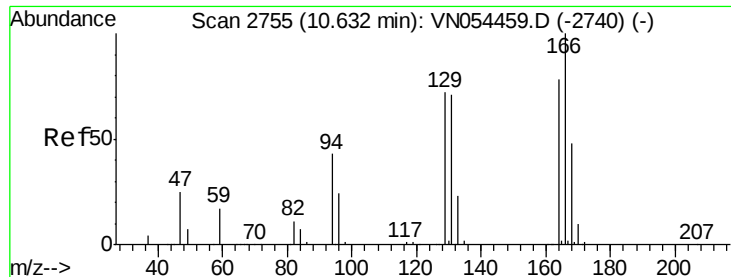


Abundance Ion 116.90 (116.60 to 117.60): VN054568.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054568.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054568.D (-2903) (-)





#64

Tetrachloroethene

Concen: 0.242 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

Tot Ion:164 Resp: 1583

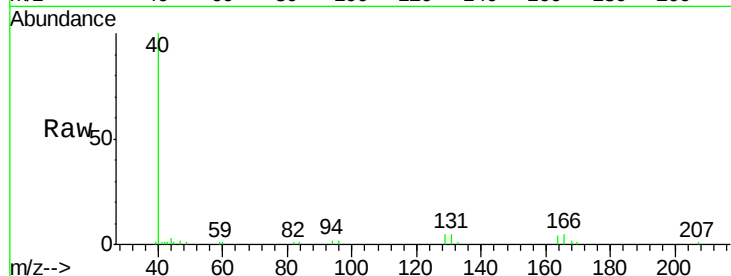
Ion Ratio Lower Upper

164 100

166 131.6 103.9 155.9

129 116.1 71.1 106.7#

131 121.1 68.2 102.4#

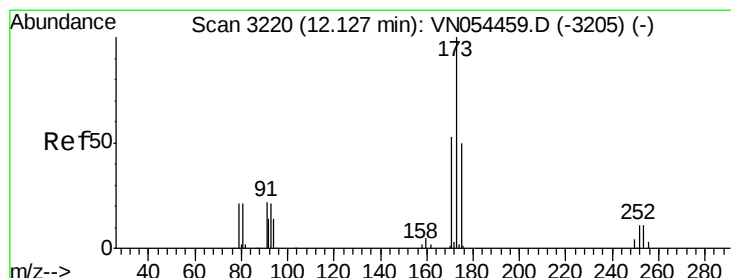
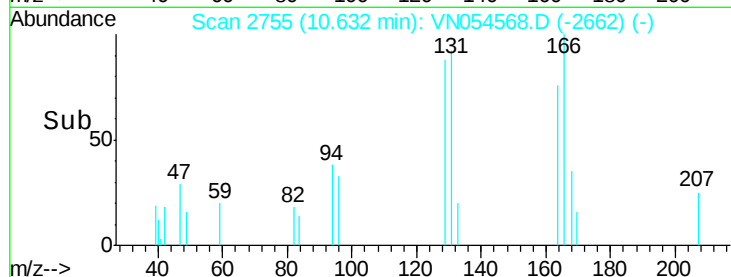
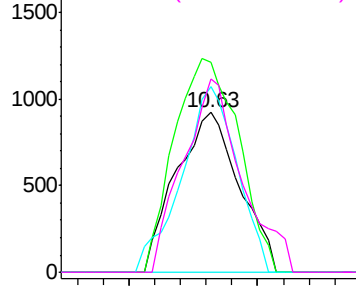


Abundance Ion 163.80 (163.50 to 164.50): V

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: 2.549 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

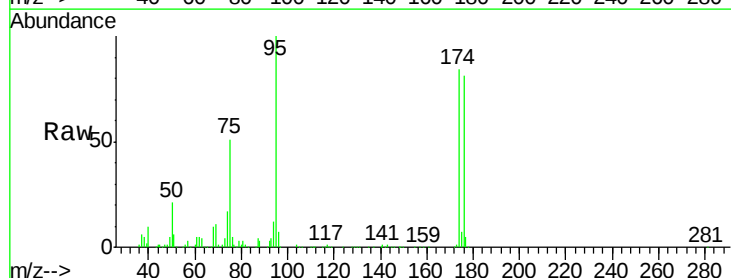
Tgt Ion:173 Resp: 1364

Ion Ratio Lower Upper

173 100

175 1483.5 24.4 73.2#

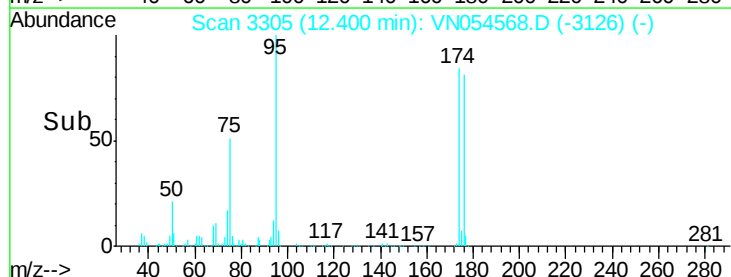
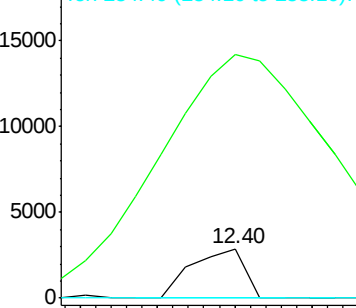
254 0.0 0.1 0.1#

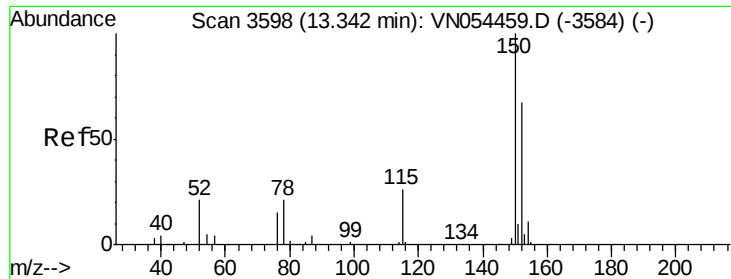


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

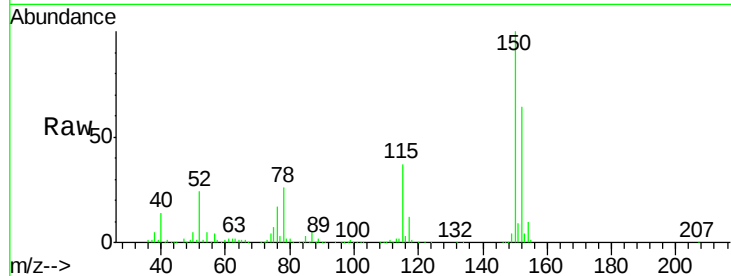
Tot Ion:152 Resp: 269240

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

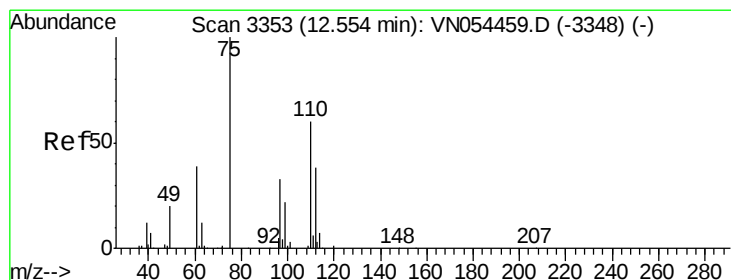
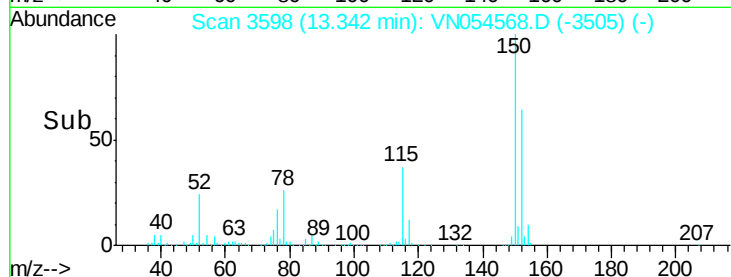
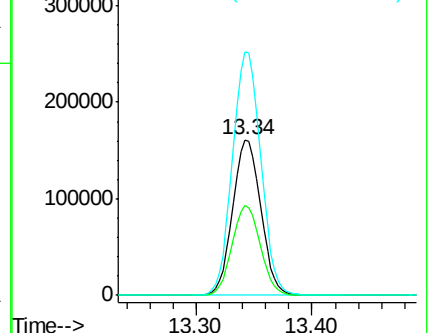
150 157.9 0.0 349.2



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: 44.770 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054568.D

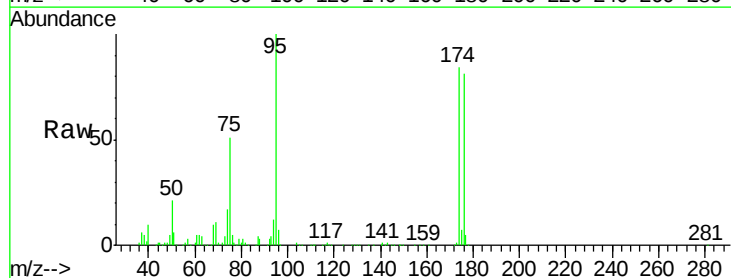
Acq: 22 Mar 2019 19:55

Tgt Ion: 75 Resp: 191275

Ion Ratio Lower Upper

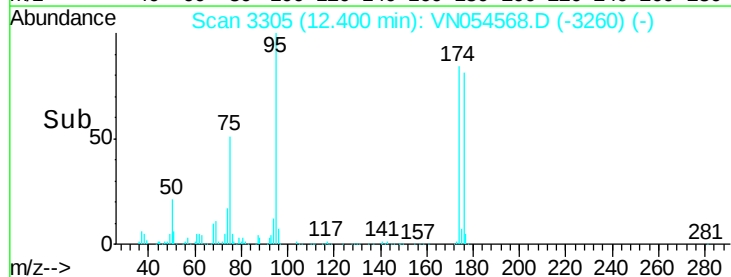
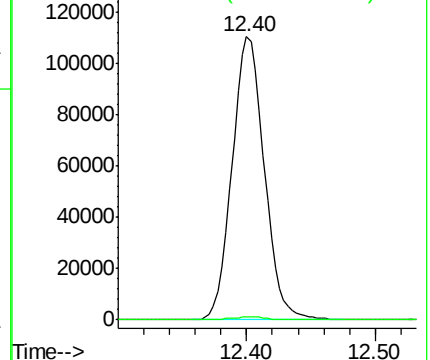
75 100

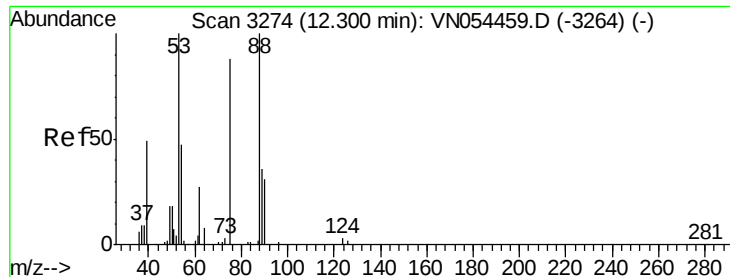
77 1.2 0.0 0.0#



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: 147.718 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054568.D

Acq: 22 Mar 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

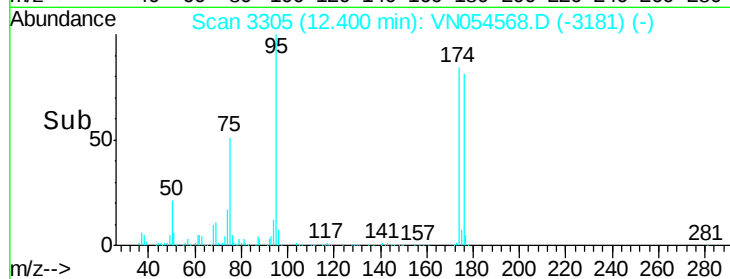
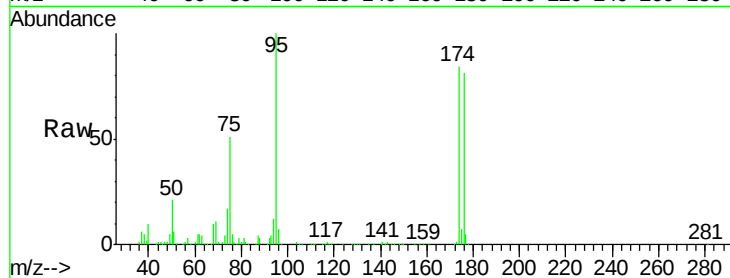
Tot Ion: 75 Resp: 191275

Ion Ratio Lower Upper

75 100

53 0.1 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

