

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054214.D
 Acq On : 13 Mar 2019 16:07
 Operator : JC/SP
 Sample : K1842-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:18:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1388195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2298319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2371178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	990773	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	745598	50.57	ug/l	0.00
Spiked Amount						
			Recovery	=	101.14%	
35) Dibromofluoromethane	7.59	113	704302	47.51	ug/l	0.00
Spiked Amount						
			Recovery	=	95.02%	
50) Toluene-d8	10.09	98	2841363	51.90	ug/l	0.00
Spiked Amount						
			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.40	95	1057351	55.20	ug/l	0.00
Spiked Amount						
			Recovery	=	110.40%	

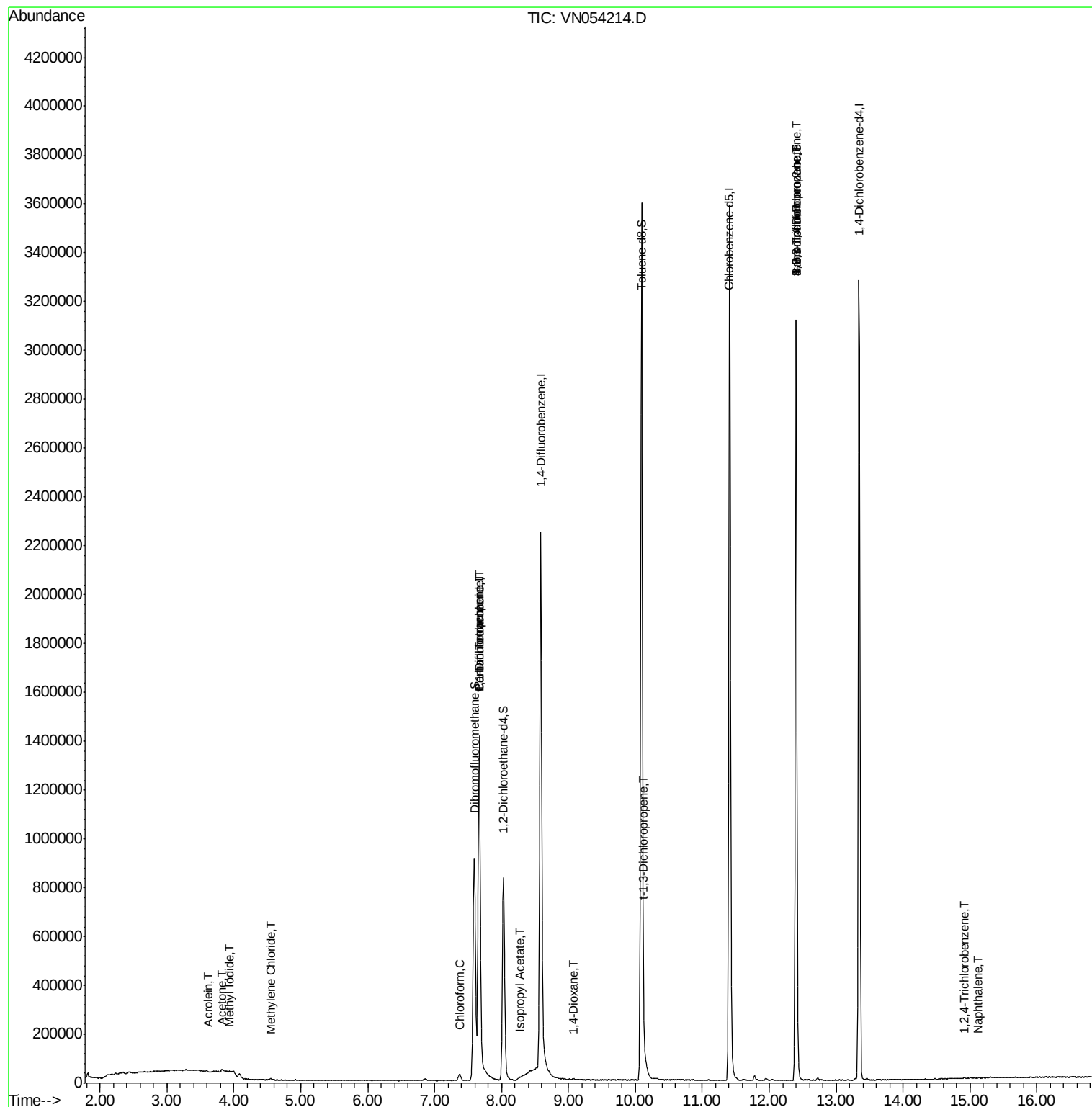
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	32	1.498	ug/l #	1
13) Acrolein	3.62	56	258	0.269	ug/l #	55
16) Acetone	3.82	43	15227	3.607	ug/l #	78
20) Methylene Chloride	4.55	84	3995	0.288	ug/l #	76
30) Chloroform	7.37	83	29891	1.208	ug/l	88
31) Cyclohexane	7.66	56	20599	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	80576	3.807	ug/l #	48
38) Carbon Tetrachloride	7.67	117	118476	5.338	ug/l #	16
43) Isopropyl Acetate	8.27	43	11540	0.541	ug/l #	60
49) 1,4-Dioxane	9.06	88	60	0.392	ug/l #	1
53) t-1,3-Dichloropropene	10.13	75	84	1.989	ug/l #	21
71) Bromoform	12.40	173	6518	2.781	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	517824	35.541	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	517824	121.495	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	826	2.554	ug/l #	83
95) Naphthalene	15.13	128	1861	3.510	ug/l #	74

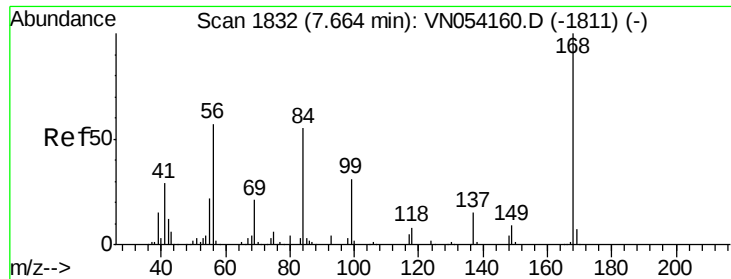
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054214.D

Acq: 13 Mar 2019 16:07

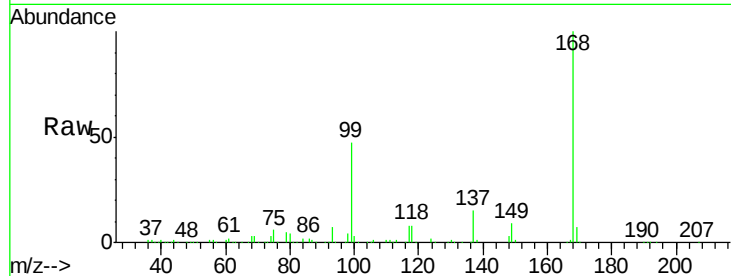
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1388195

Ion Ratio Lower Upper

168 100

99 47.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

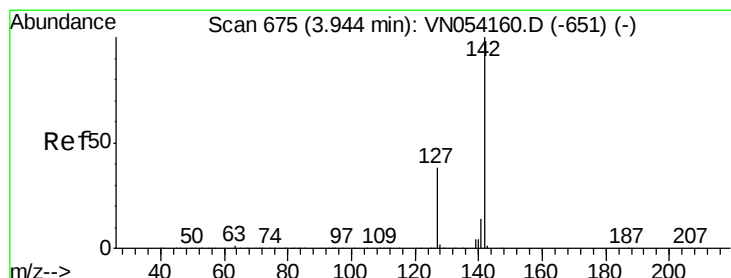
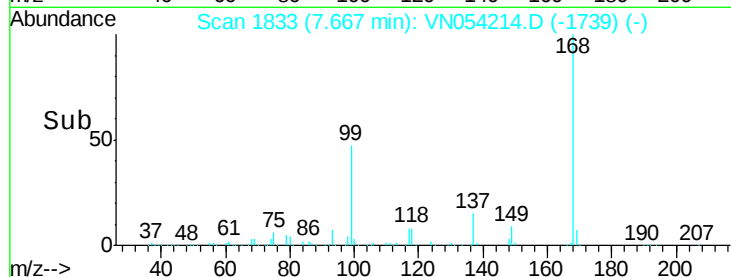
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.498 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

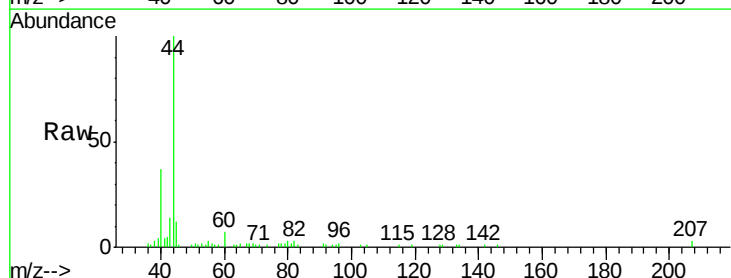
Tgt Ion:142 Resp: 32

Ion Ratio Lower Upper

142 100

127 318.8 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

300

250

200

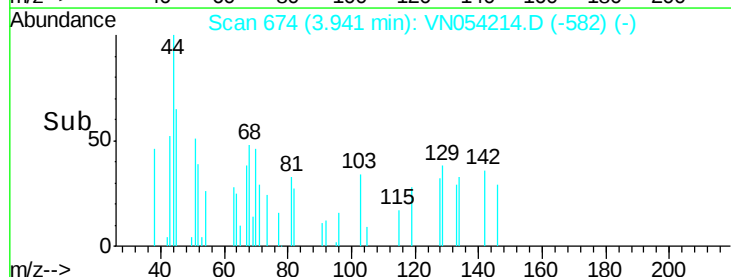
150

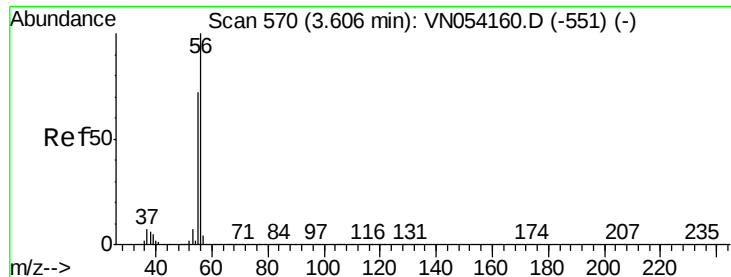
100

50

0

Time-->





#13

Acrolein

Concen: 0.269 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :

MSVOA_N

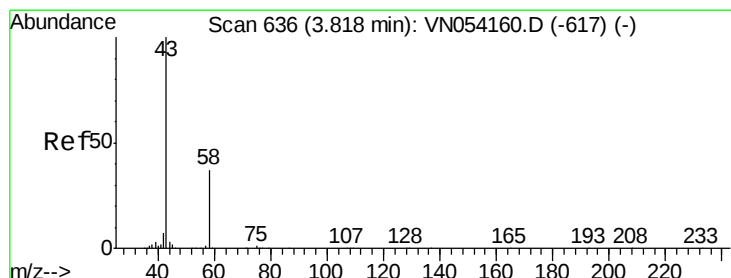
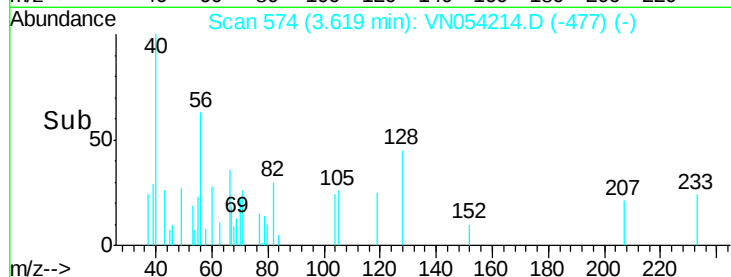
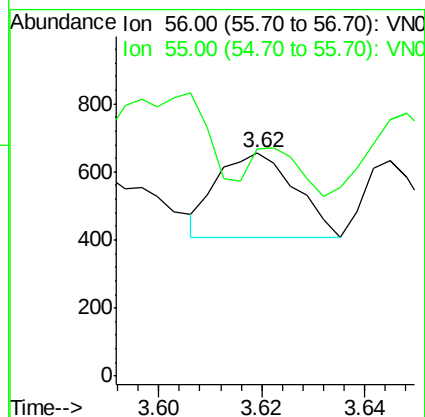
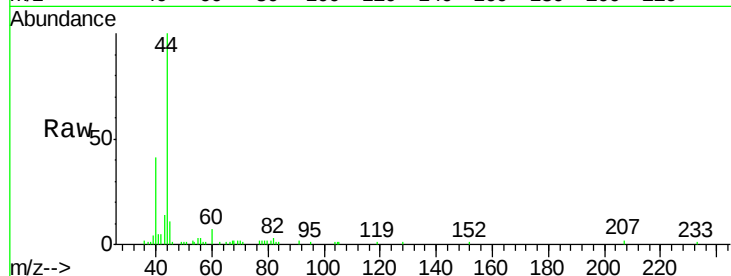
ClientSampled :

Tot Ion: 56 Resp: 258

Ion Ratio Lower Upper

56 100

55 33.7 56.7 85.1#



#16

Acetone

Concen: 3.607 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054214.D

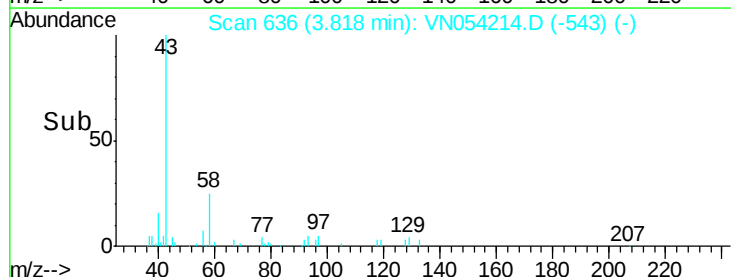
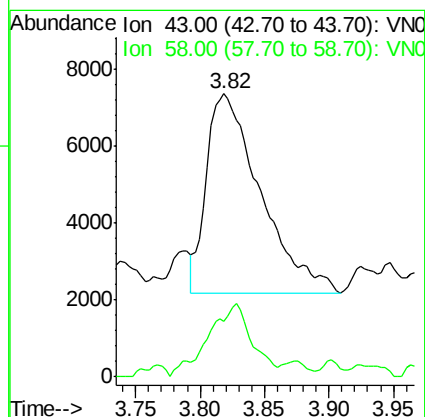
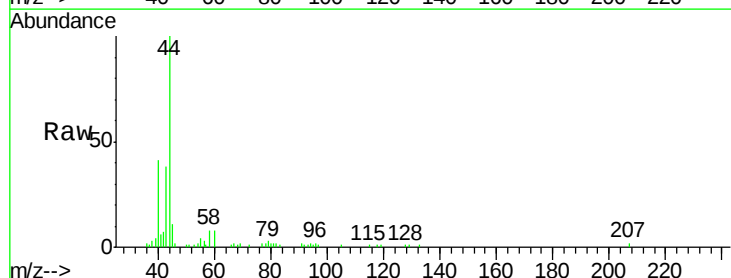
Acq: 13 Mar 2019 16:07

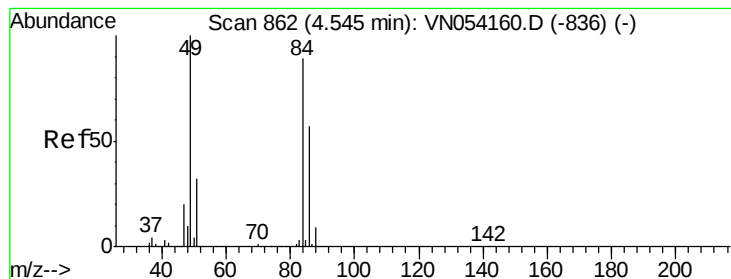
Tgt Ion: 43 Resp: 15227

Ion Ratio Lower Upper

43 100

58 24.0 29.9 44.9#





#20

Methvlene Chloride

Concen: 0.288 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.01 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 3995

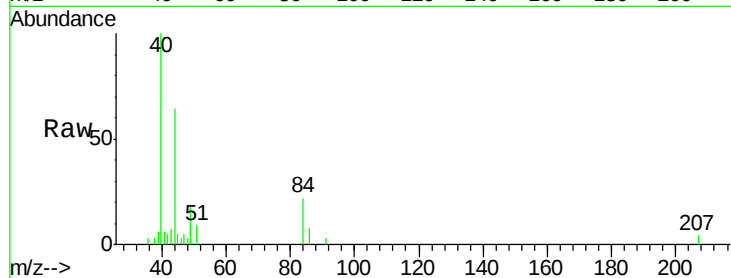
Ion Ratio Lower Upper

84 100

49 87.5 89.7 134.5#

51 38.4 28.2 42.4

86 36.2 50.8 76.2#

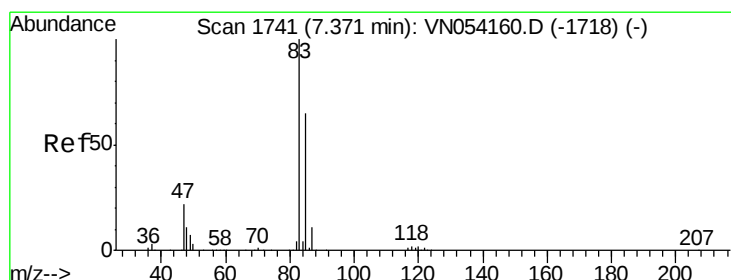
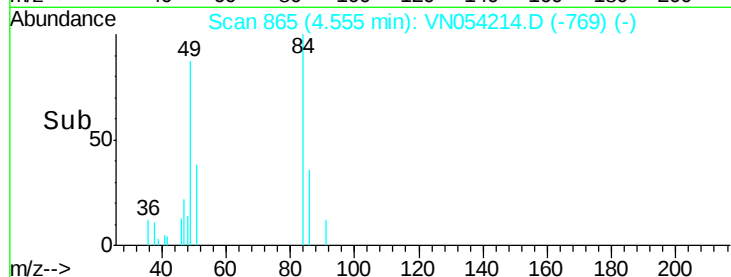
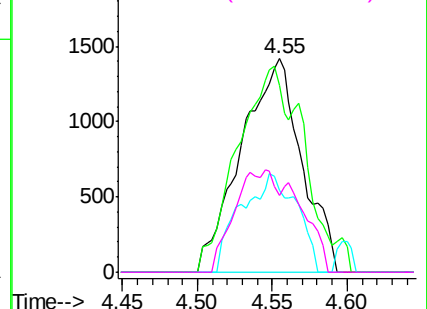


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#30

Chloroform

Concen: 1.208 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054214.D

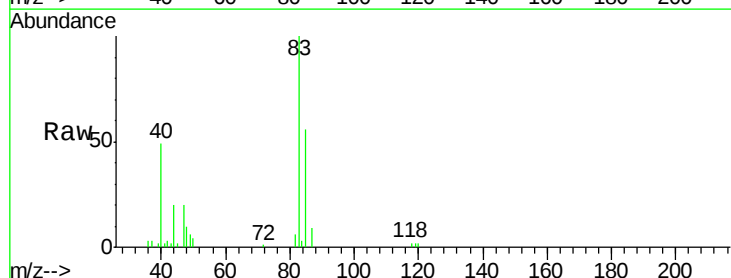
Acq: 13 Mar 2019 16:07

Tgt Ion: 83 Resp: 29891

Ion Ratio Lower Upper

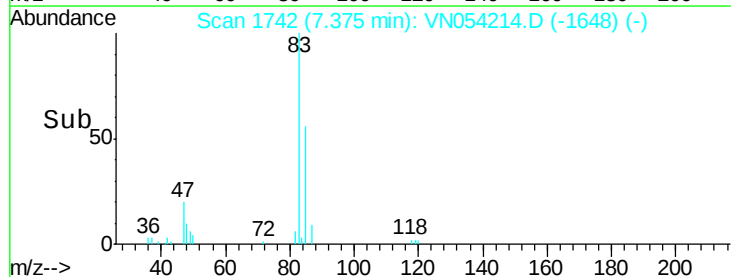
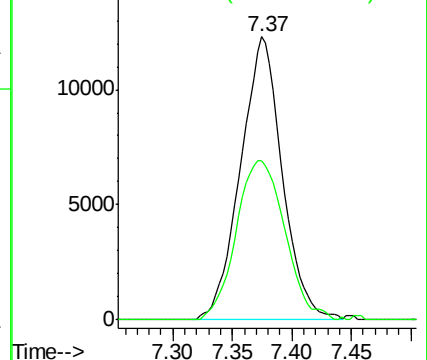
83 100

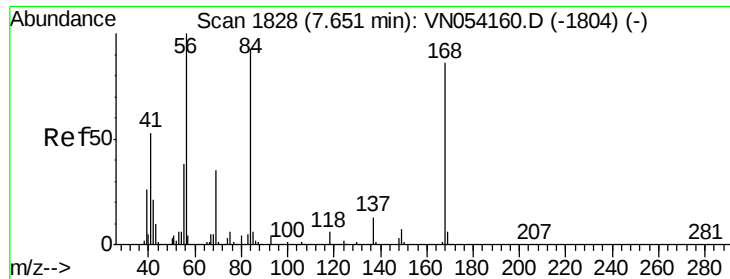
85 56.1 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

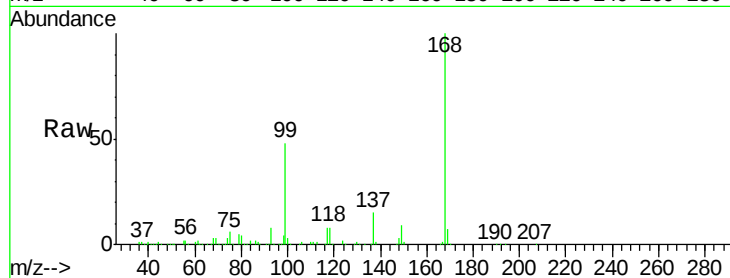




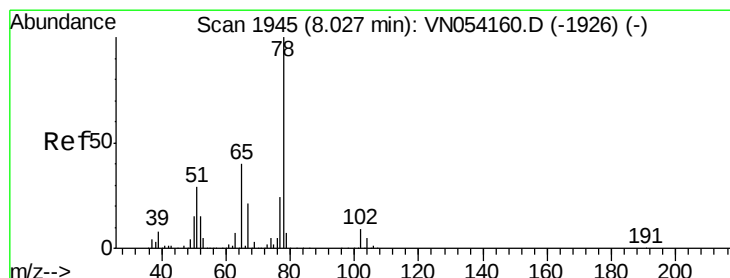
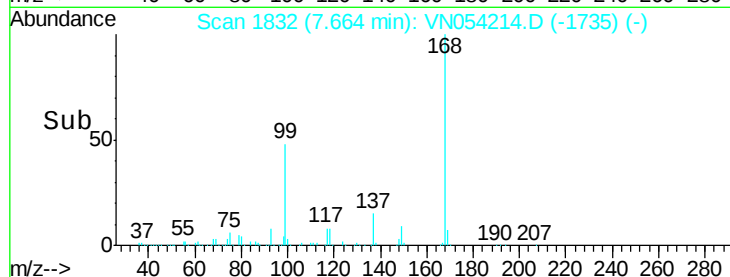
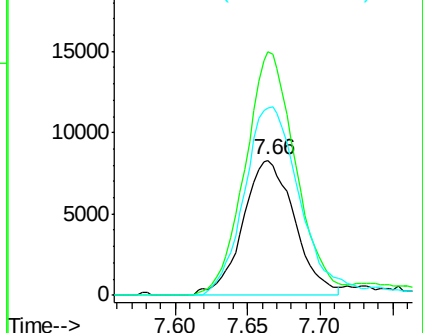
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054214.D
Acq: 13 Mar 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 20599
Ion Ratio Lower Upper
56 100
69 179.8 27.8 41.6#
84 138.3 74.6 111.8#

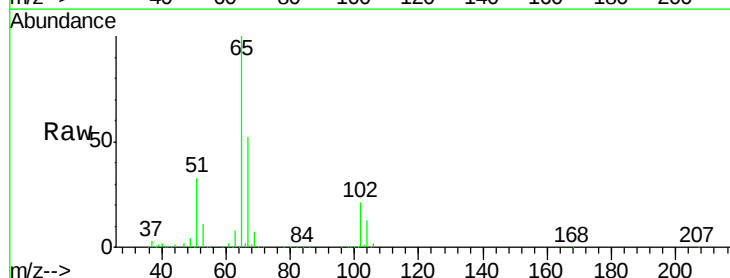


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

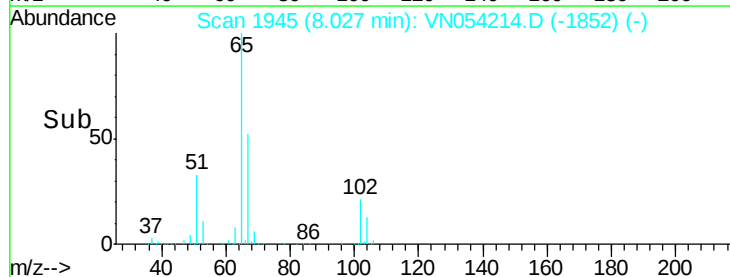
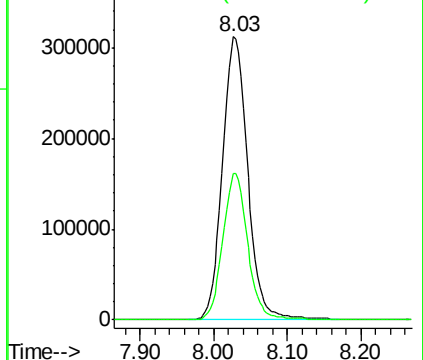


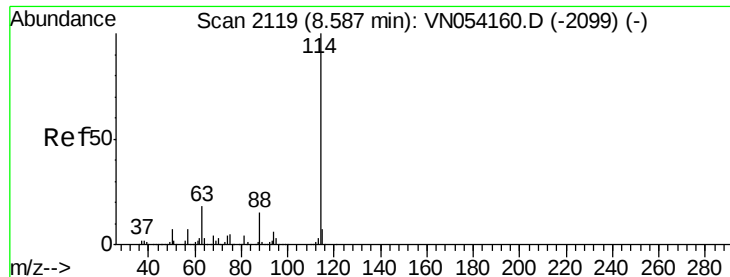
#33
1,2-Dichloroethane-d4
Concen: 50.574 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054214.D
Acq: 13 Mar 2019 16:07

Tgt Ion: 65 Resp: 745598
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.6



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

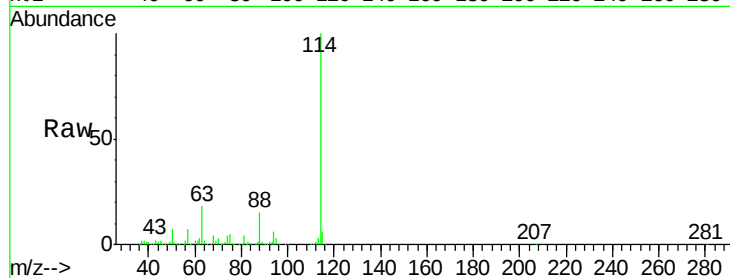




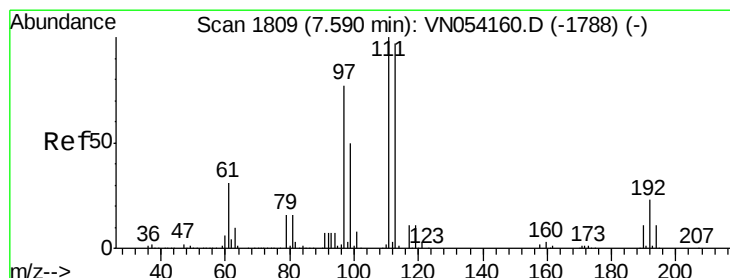
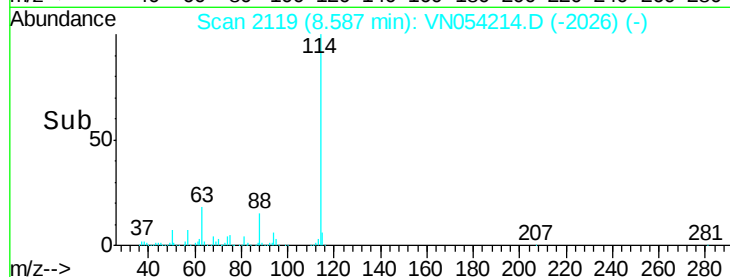
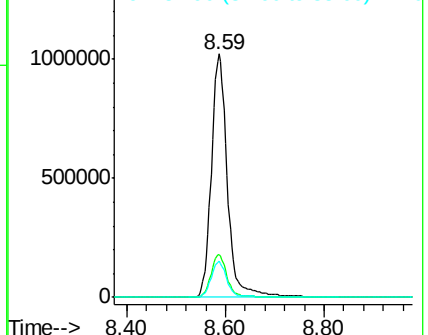
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054214.D
Acq: 13 Mar 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 2298319
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.2
88 14.7 0.0 30.2

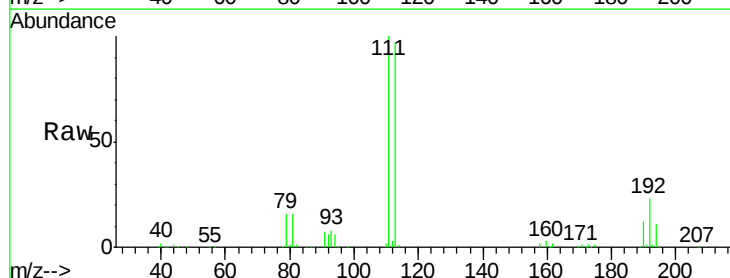


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

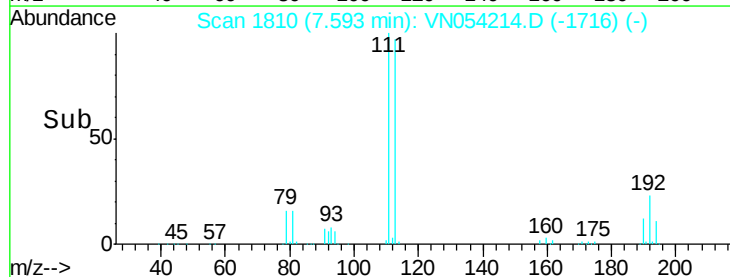
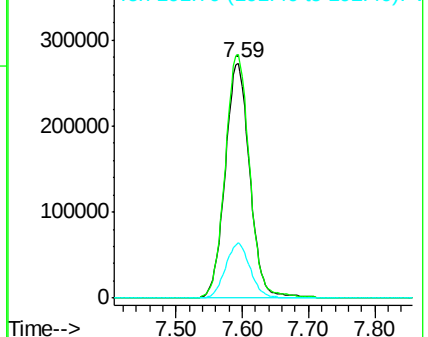


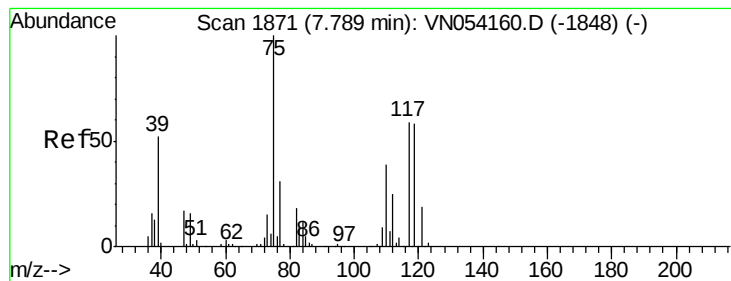
#35
Dibromofluoromethane
Concen: 47.513 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054214.D
Acq: 13 Mar 2019 16:07

Tgt Ion:113 Resp: 704302
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 23.5 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: 3.807 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

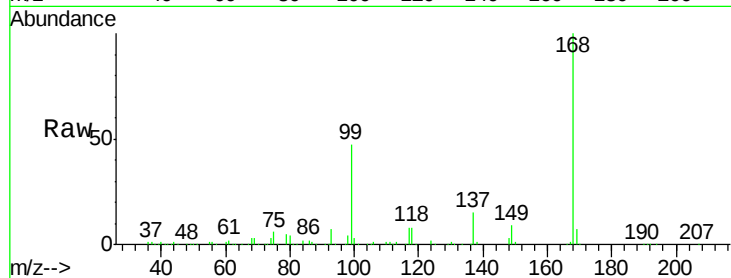
Tot Ion: 75 Resp: 80576

Ion Ratio Lower Upper

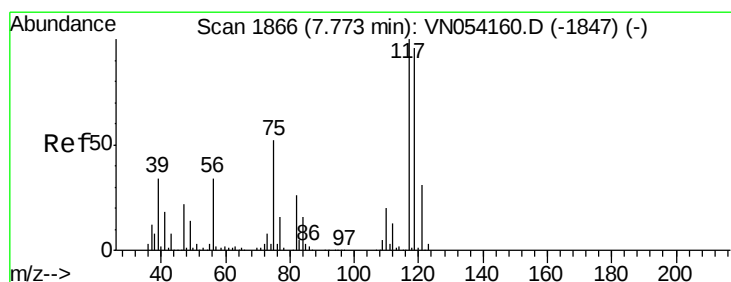
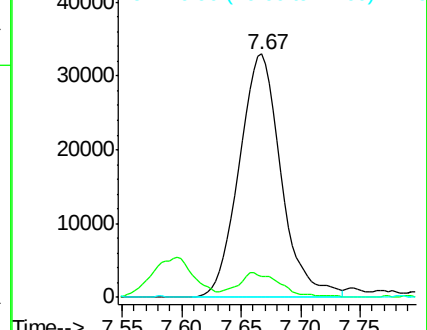
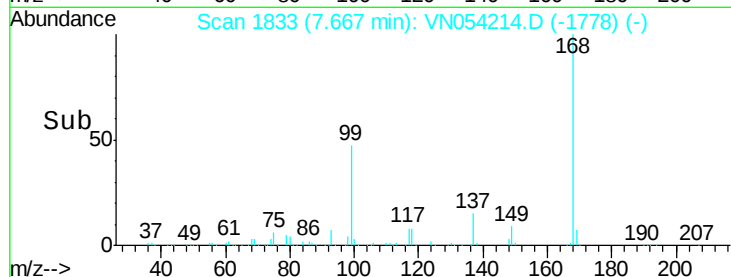
75 100

110 9.3 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054214.D (-1773) (-)



#38

Carbon Tetrachloride

Concen: 5.338 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

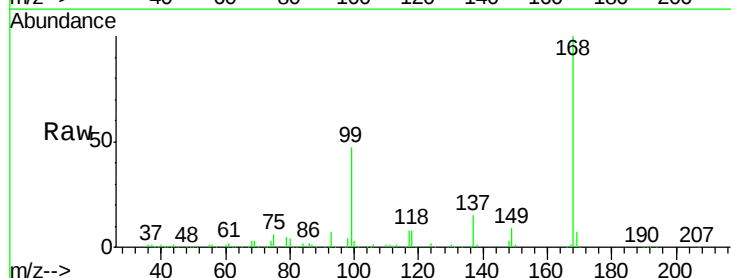
Tgt Ion: 117 Resp: 118476

Ion Ratio Lower Upper

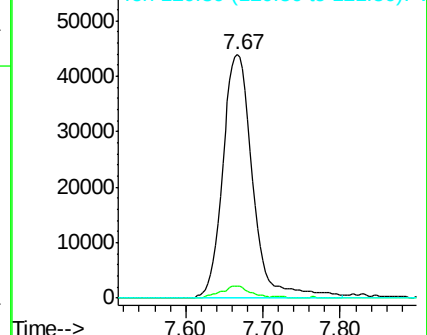
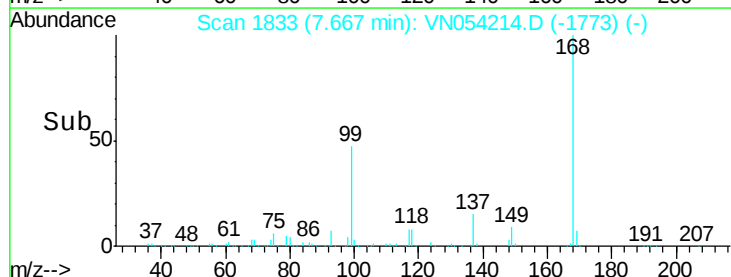
117 100

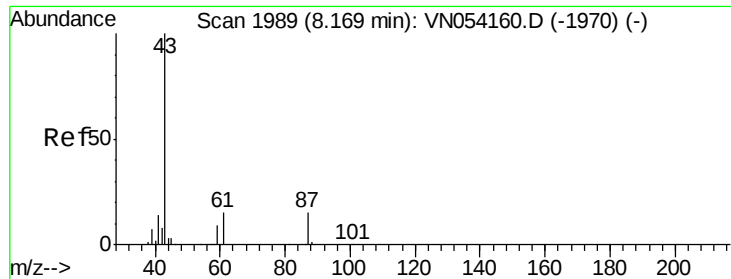
119 4.9 76.3 114.5#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN054214.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 0.541 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.10 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

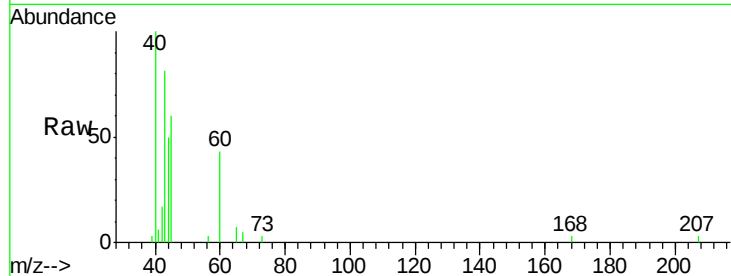
Tot Ion: 43 Resp: 11540

Ion Ratio Lower Upper

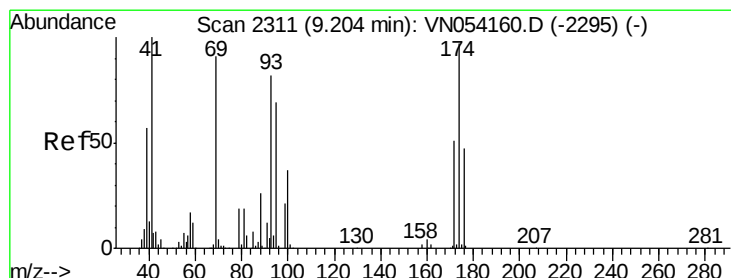
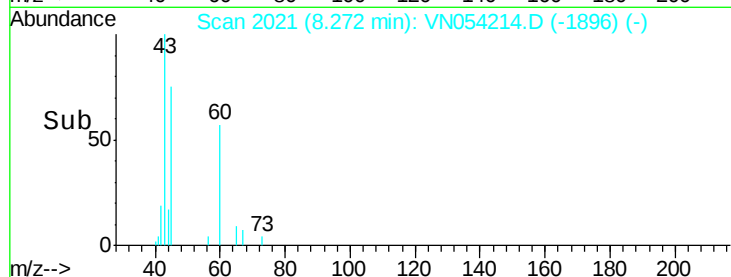
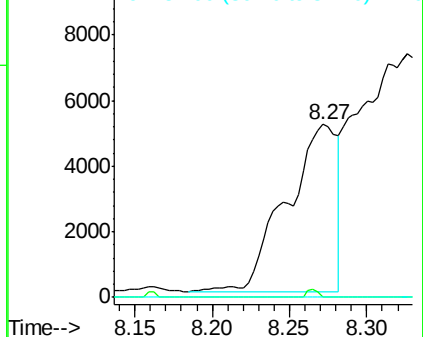
43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#49

1,4-Dioxane

Concen: 0.392 ug/l

RT: 9.06 min Scan# 2266

Delta R.T. -0.14 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

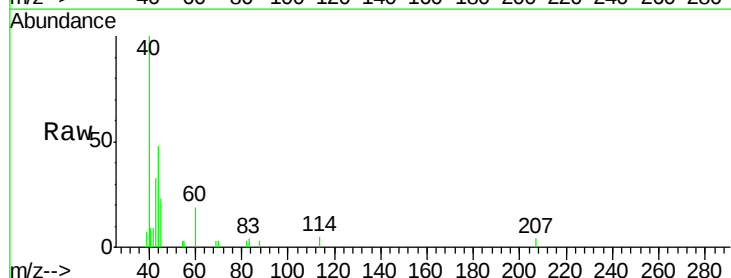
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

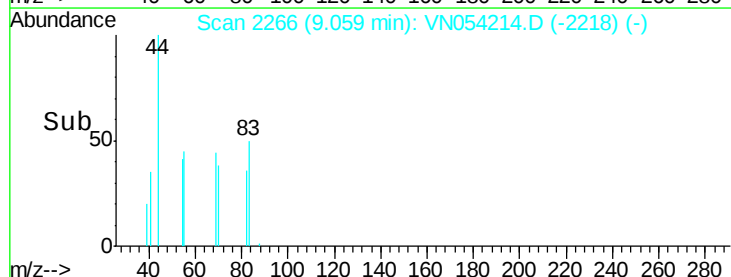
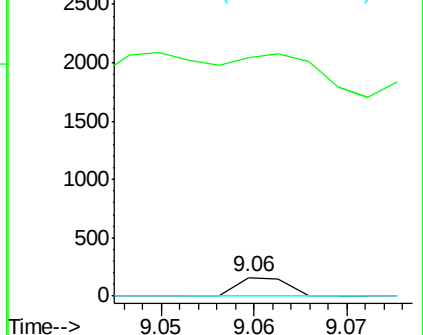
88 100

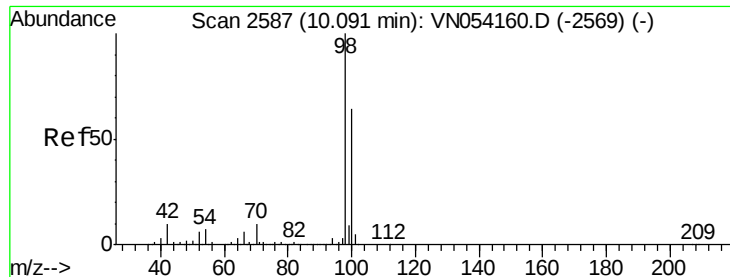
43 423.3 24.1 36.1#

58 0.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 51.902 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :

MSVOA_N

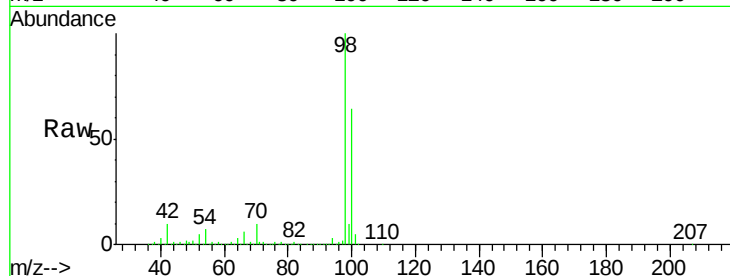
ClientSampled :

Tot Ion: 98 Resp: 2841363

Ion Ratio Lower Upper

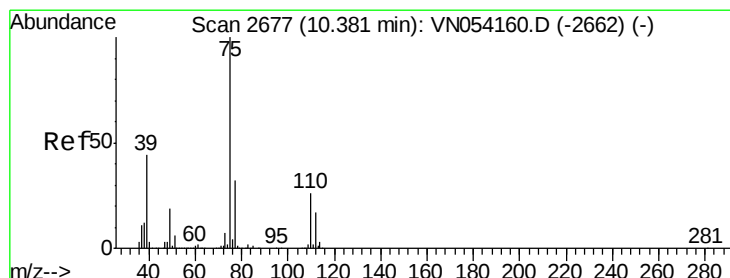
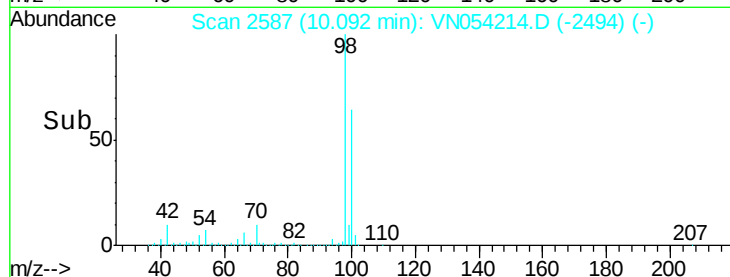
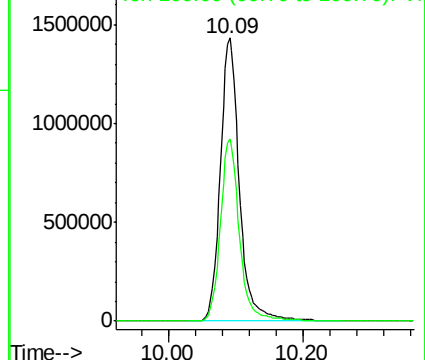
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#53

t-1,3-Dichloropropene

Concen: 1.989 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.25 min

Lab File: VN054214.D

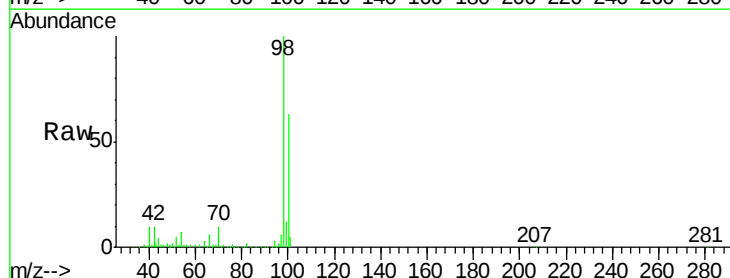
Acq: 13 Mar 2019 16:07

Tgt Ion: 75 Resp: 84

Ion Ratio Lower Upper

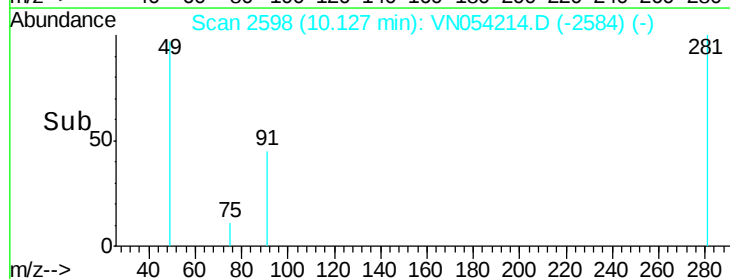
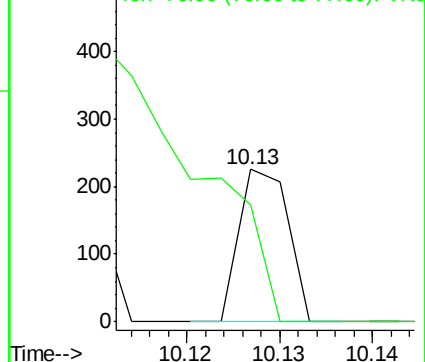
75 100

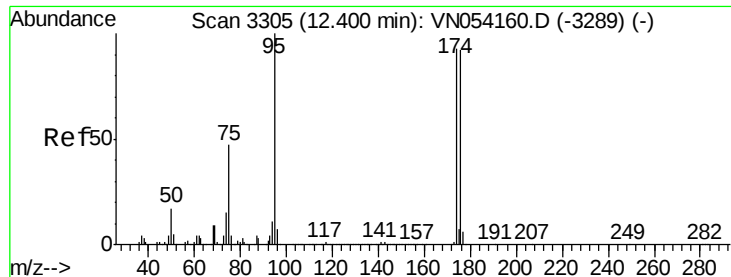
77 76.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#62

4-Bromofluorobenzene

Concen: 55.200 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

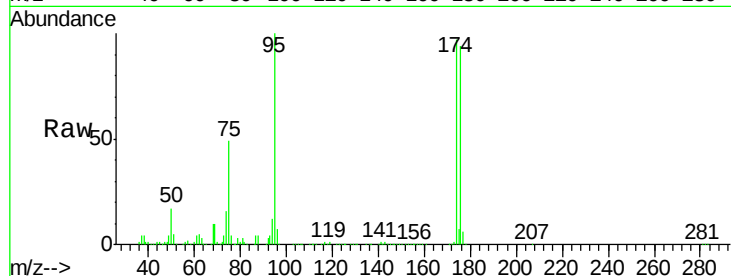
Tot Ion: 95 Resp: 1057351

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.0

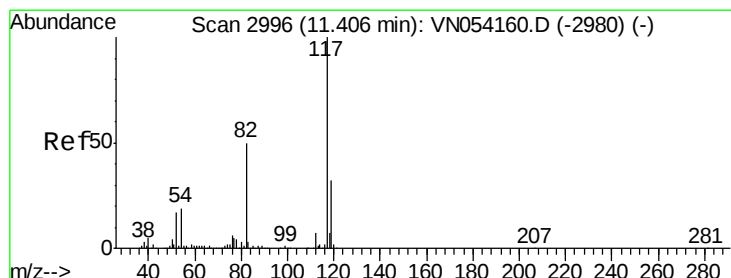
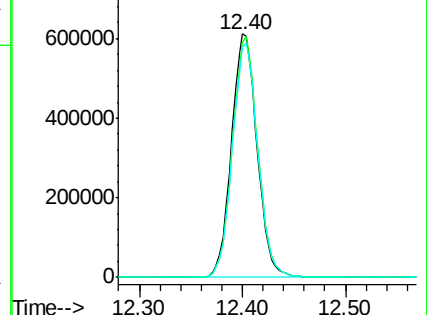
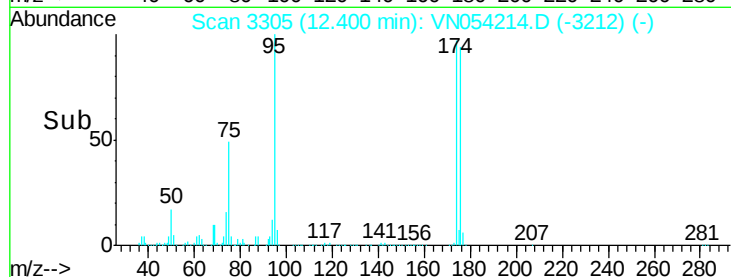
176 95.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054214.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054214.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054214.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

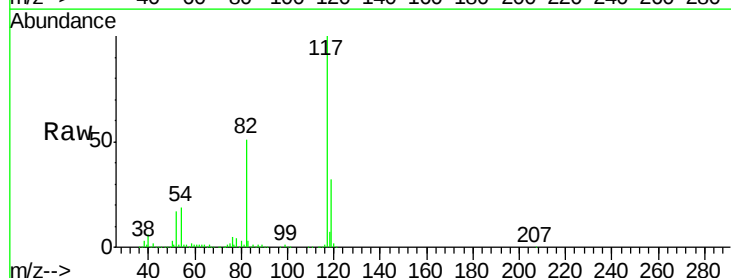
Tgt Ion: 117 Resp: 2371178

Ion Ratio Lower Upper

117 100

82 51.0 40.0 60.0

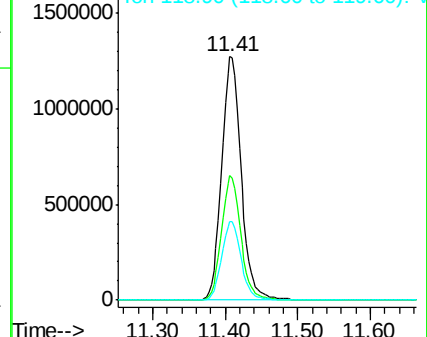
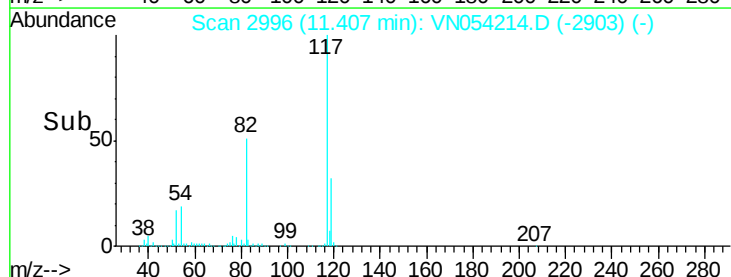
119 32.4 25.8 38.6

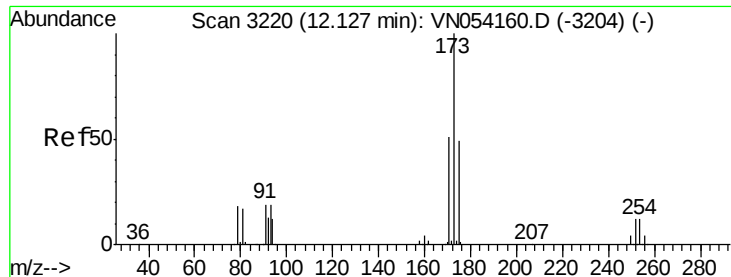


Abundance Ion 116.90 (116.60 to 117.60): VN054214.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054214.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054214.D (-2903) (-)





#71

Bromoform

Concen: 2.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

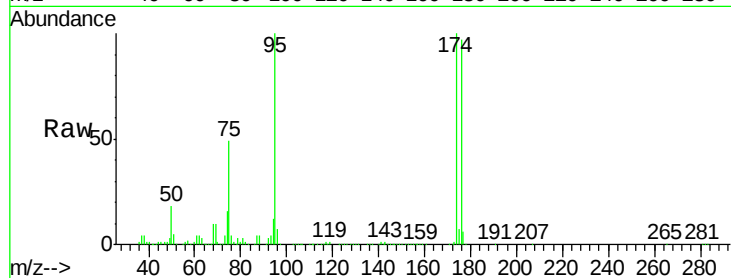
Tot Ion:173 Resp: 6518

Ion Ratio Lower Upper

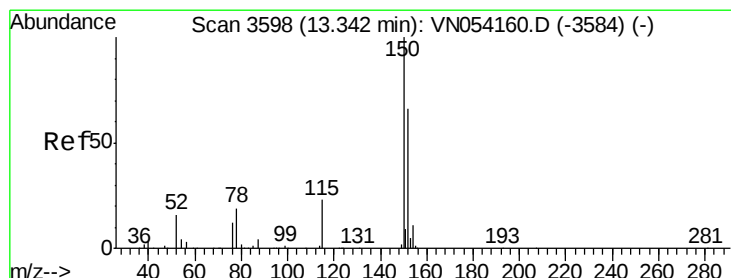
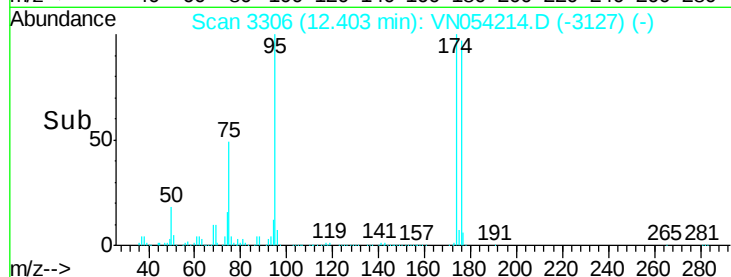
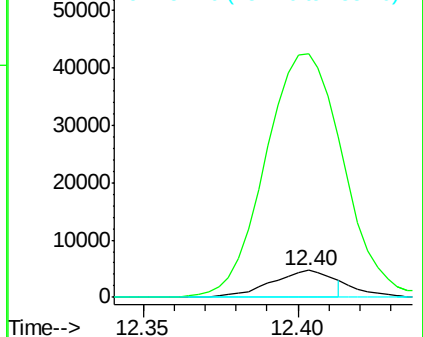
173 100

175 981.6 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054214.D

Acq: 13 Mar 2019 16:07

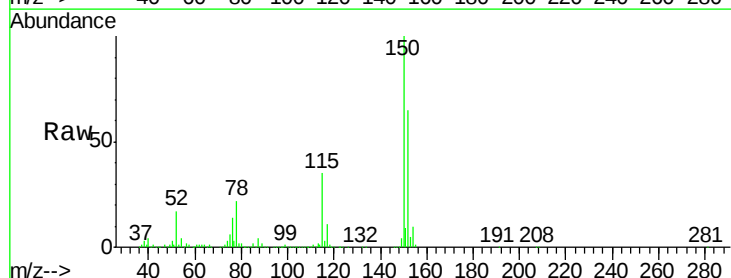
Tgt Ion:152 Resp: 990773

Ion Ratio Lower Upper

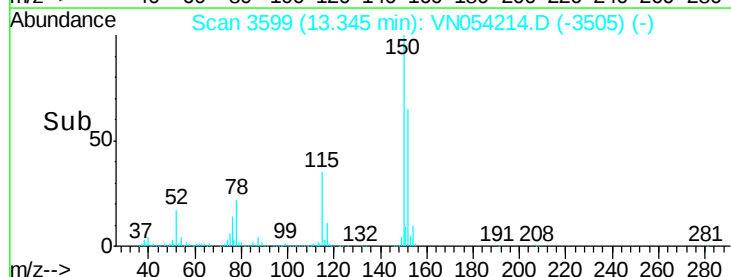
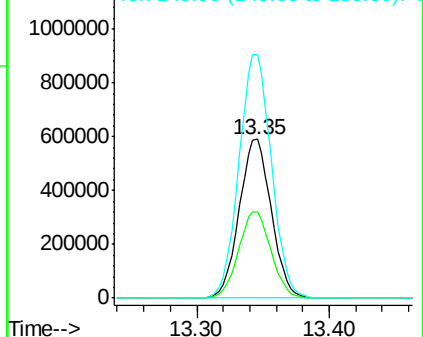
152 100

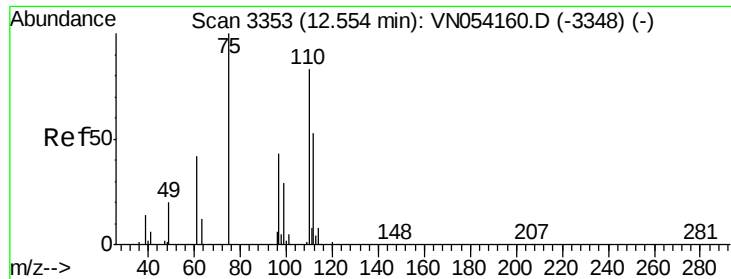
115 54.9 27.2 81.6

150 155.2 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

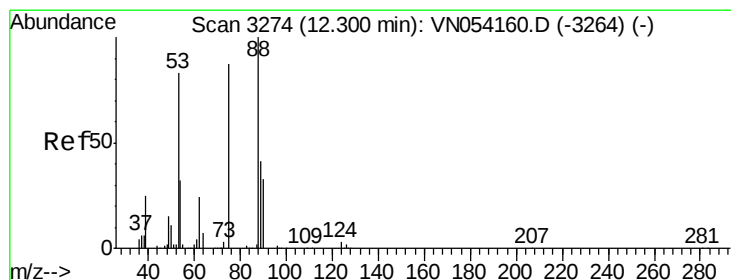
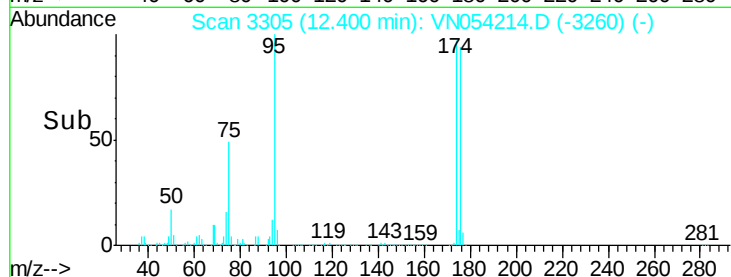
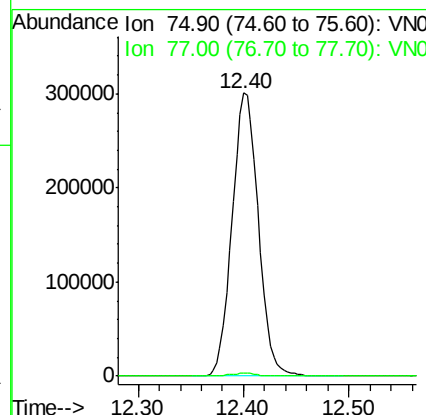
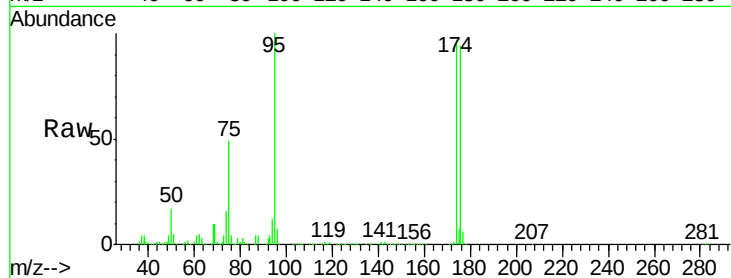




#76
 1,2,3-Trichloropropane
 Concen: 35.541 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054214.D
 Acq: 13 Mar 2019 16:07

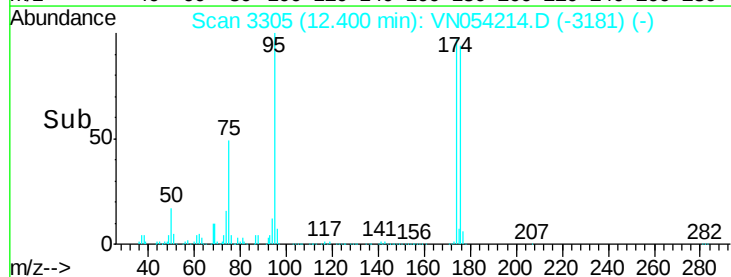
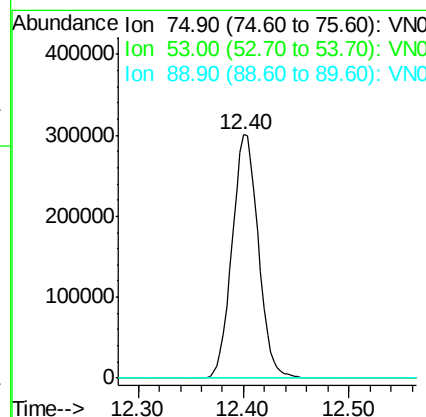
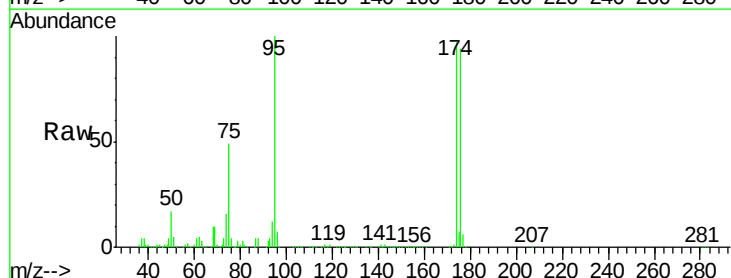
Instrument :
 MSVOA_N
 ClientSampleId :

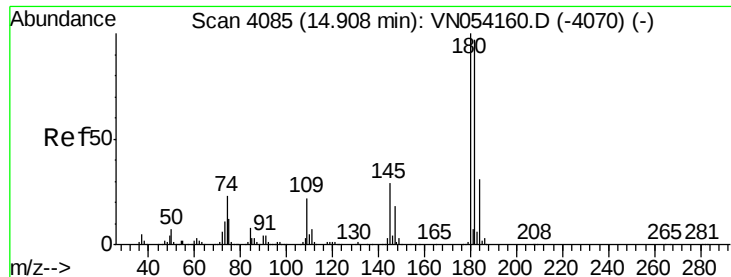
Tot Ion: 75 Resp: 517824
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.495 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054214.D
 Acq: 13 Mar 2019 16:07

Tgt Ion: 75 Resp: 517824
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

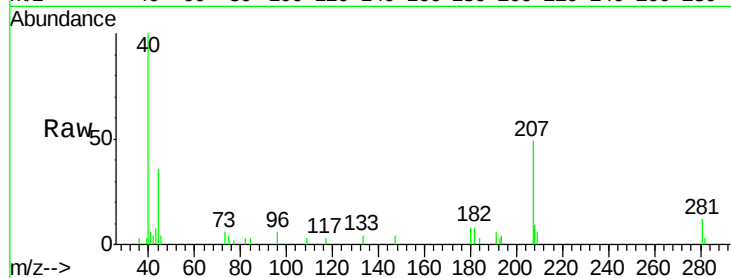




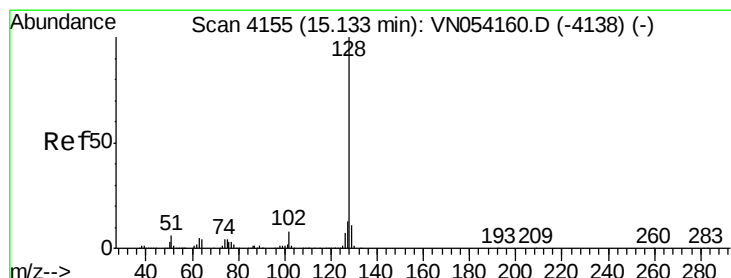
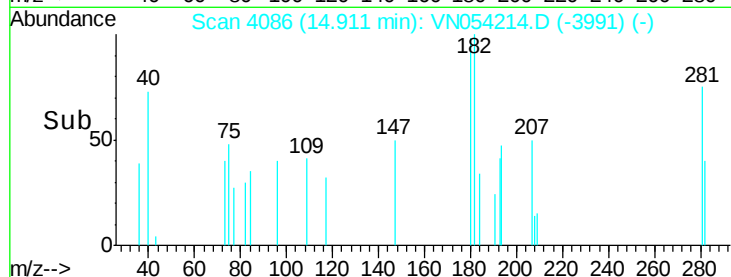
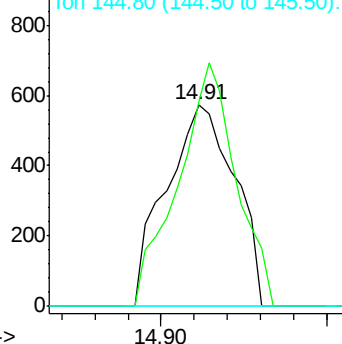
#93
 1,2,4-Trichlorobenzene
 Concen: 2.554 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054214.D
 Acq: 13 Mar 2019 16:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 826
 Ion Ratio Lower Upper
 180 100
 182 102.1 48.0 144.2
 145 0.0 14.2 42.8#

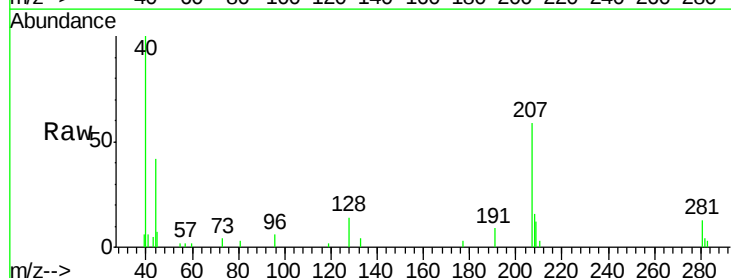


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.510 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054214.D
 Acq: 13 Mar 2019 16:07

Tgt Ion:128 Resp: 1861
 Ion Ratio Lower Upper
 128 100
 127 3.4 10.1 15.1#
 129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

