

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054213.D
 Acq On : 13 Mar 2019 15:40
 Operator : JC/SP
 Sample : K1842-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:18:12 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	1374670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2247572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2303828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	946420	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	725473	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	7.59	113	696608	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	10.09	98	2782176	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.40	95	1029433	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	

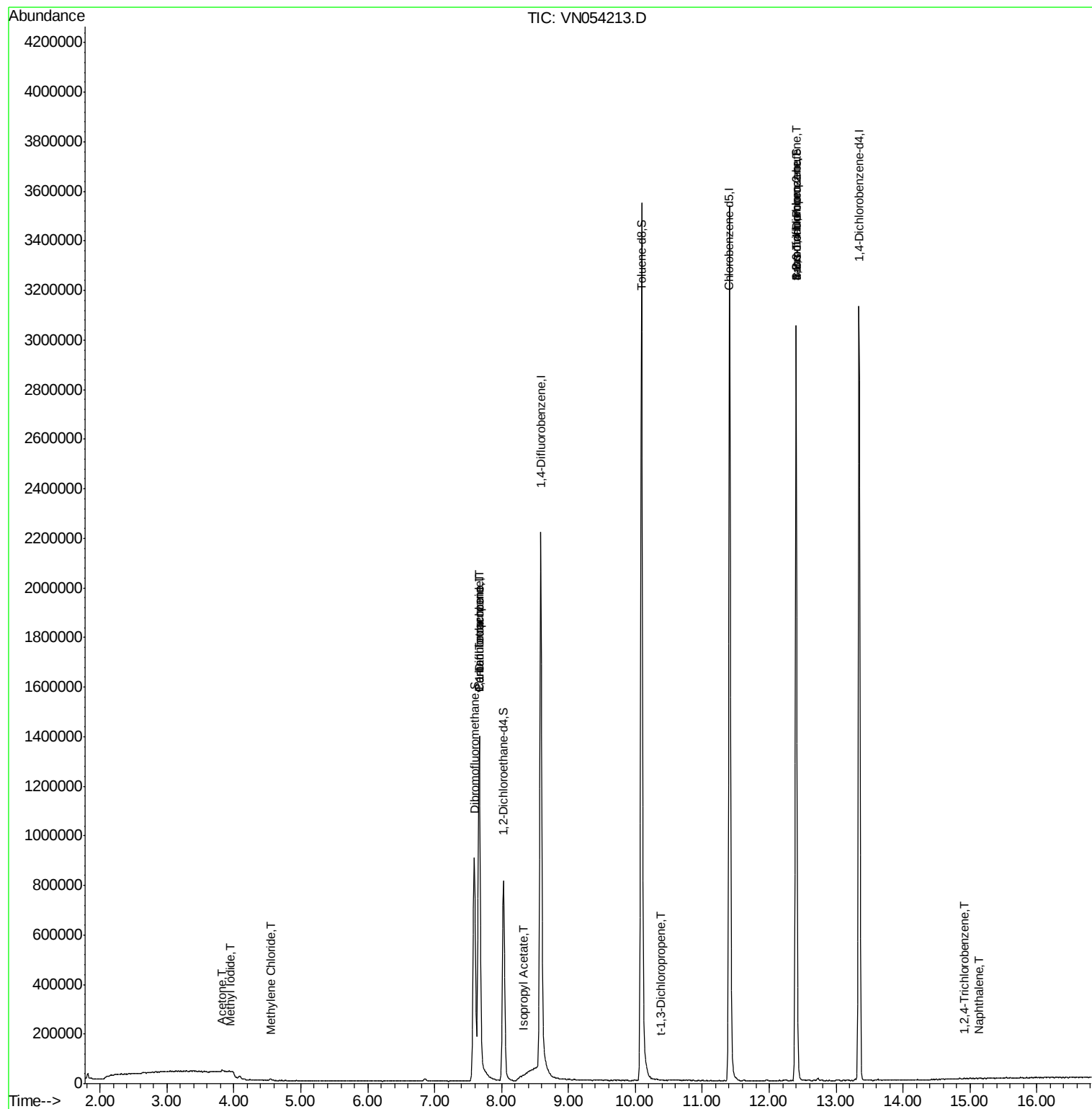
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	425	1.517	ug/l #	66
16) Acetone	3.82	43	10556	2.525	ug/l #	83
20) Methylene Chloride	4.55	84	3970	0.289	ug/l #	96
31) Cyclohexane	7.67	56	20851	Below Cal	#	7
36) 1,1-Dichloropropene	7.67	75	80332	3.881	ug/l #	48
38) Carbon Tetrachloride	7.67	117	113299	5.220	ug/l #	15
43) Isopropyl Acetate	8.32	43	31171	1.493	ug/l #	60
53) t-1,3-Dichloropropene	10.39	75	431	2.004	ug/l #	1
71) Bromoform	12.40	173	6848	2.817	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	499966	35.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	499966	122.802	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	983	2.563	ug/l	85
95) Naphthalene	15.13	128	2473	3.525	ug/l #	90

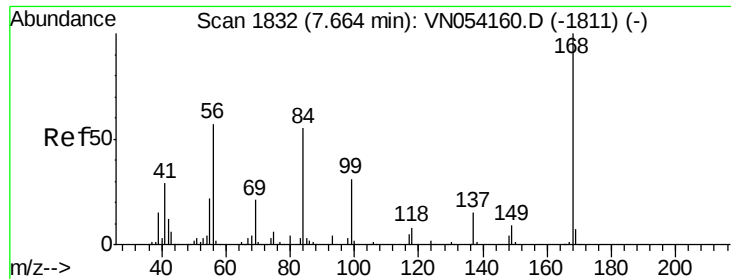
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054213.D

Acq: 13 Mar 2019 15:40

Instrument :

MSVOA_N

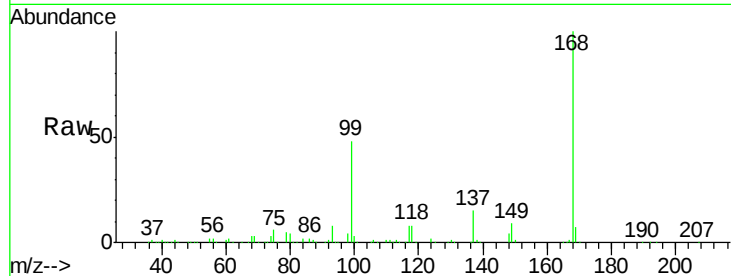
ClientSampleId :

Tot Ion:168 Resp: 1374670

Ion Ratio Lower Upper

168 100

99 48.3 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

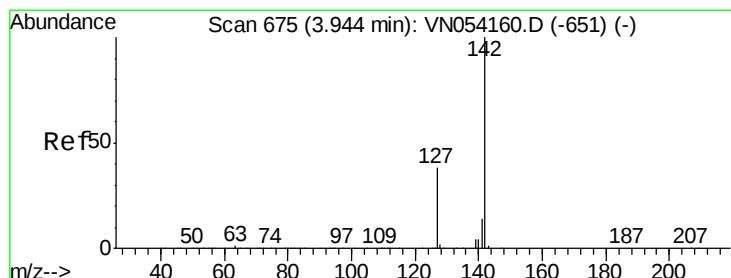
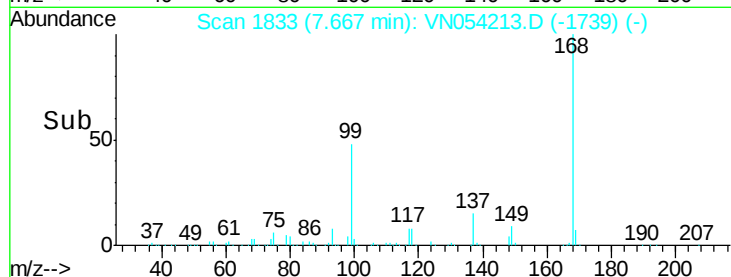
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.517 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

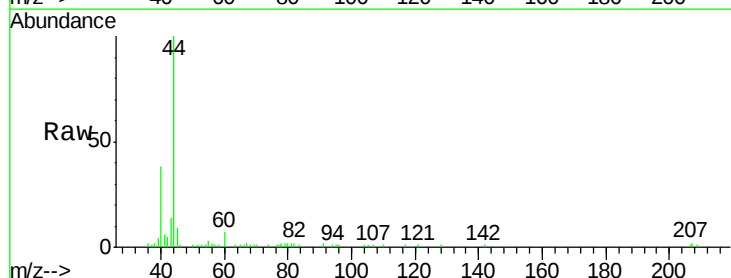
Tgt Ion:142 Resp: 425

Ion Ratio Lower Upper

142 100

127 17.4 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

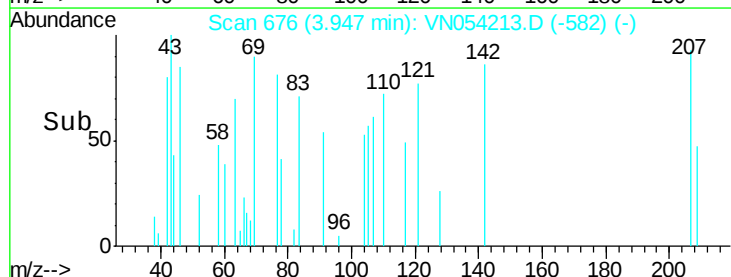
300

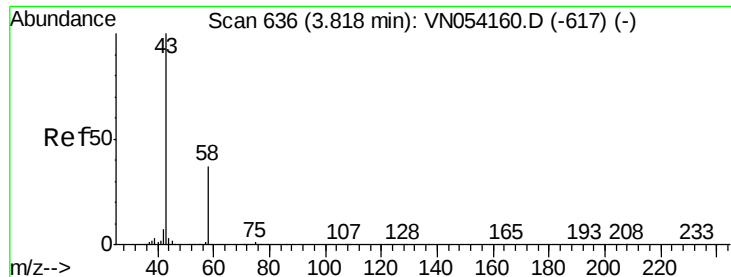
200

100

0

Time--> 3.92 3.94 3.96 3.98





#16

Acetone

Concen: 2.525 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

Instrument :

MSVOA_N

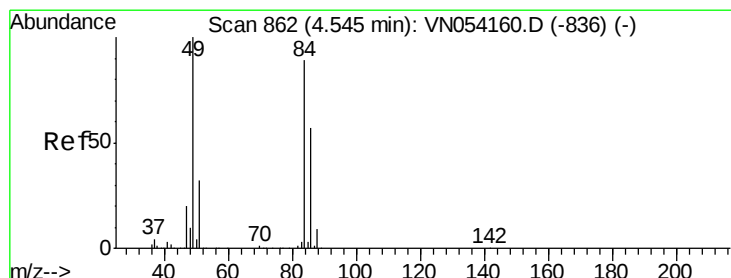
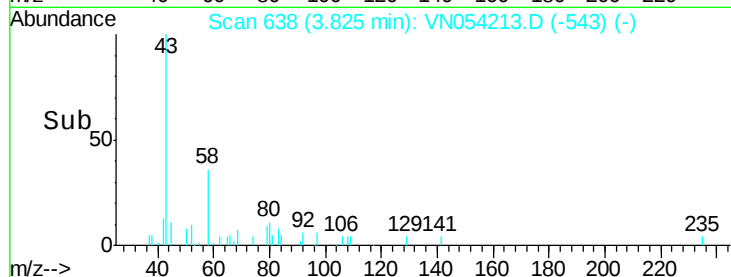
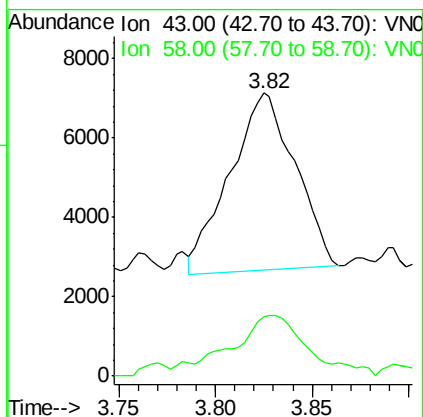
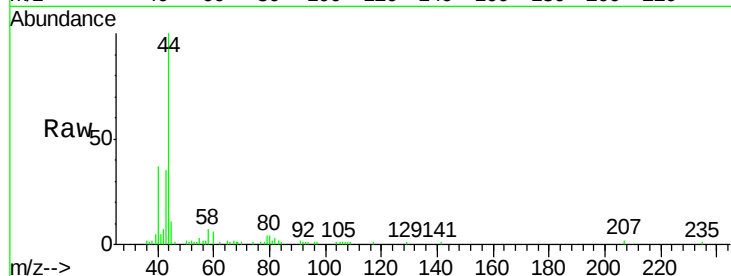
ClientSampled :

Tot Ion: 43 Resp: 10556

Ion Ratio Lower Upper

43 100

58 27.1 29.9 44.9#



#20

Methylene Chloride

Concen: 0.289 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

Tgt Ion: 84 Resp: 3970

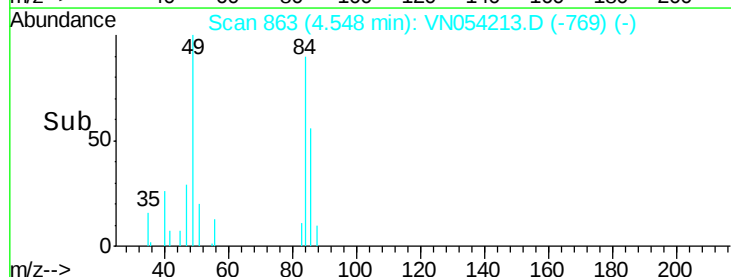
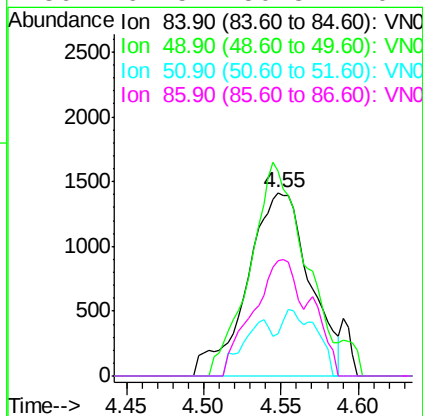
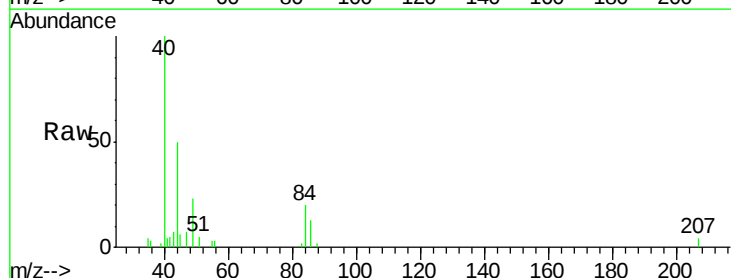
Ion Ratio Lower Upper

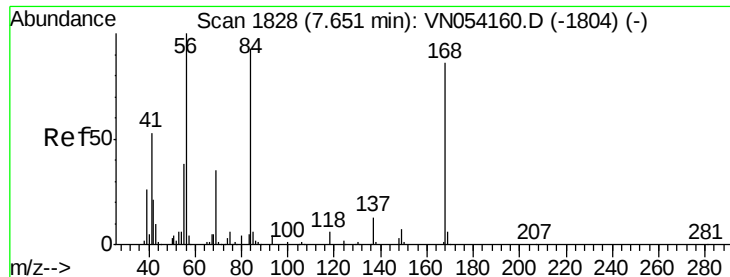
84 100

49 111.7 89.7 134.5

51 22.9 28.2 42.4#

86 62.5 50.8 76.2

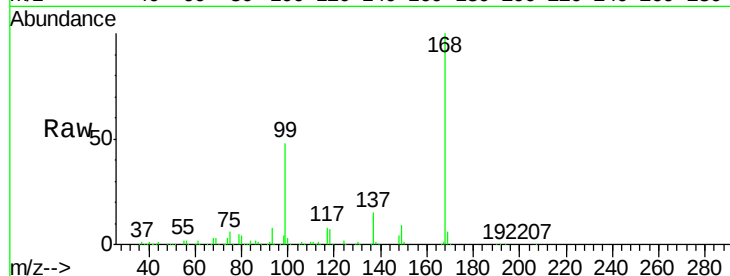




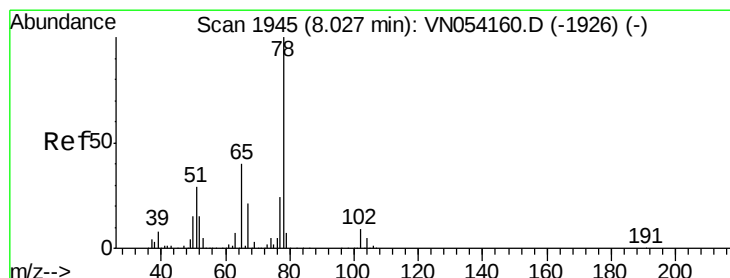
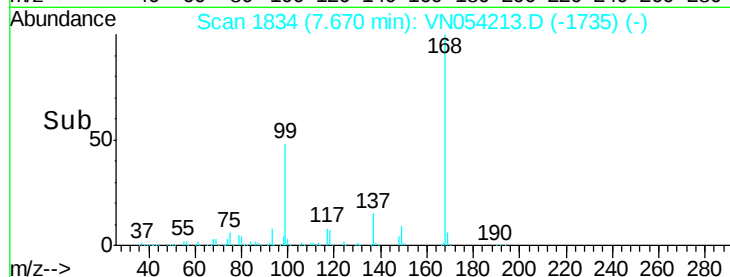
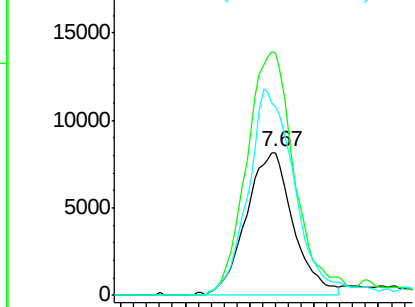
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 20851
Ion Ratio Lower Upper
56 100
69 169.5 27.8 41.6#
84 132.2 74.6 111.8#

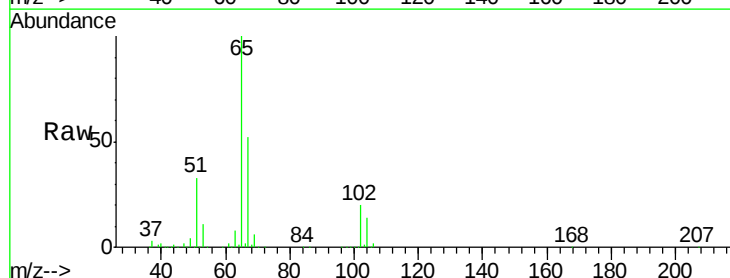


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

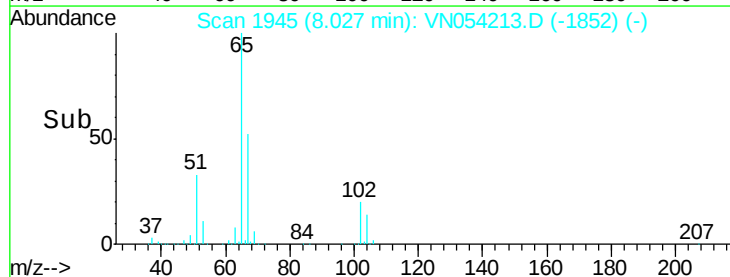
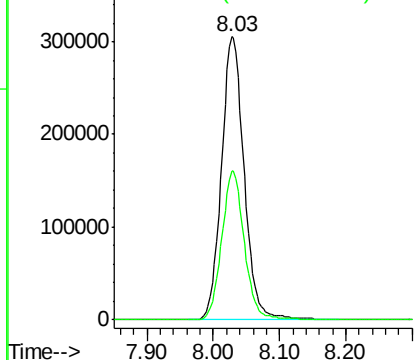


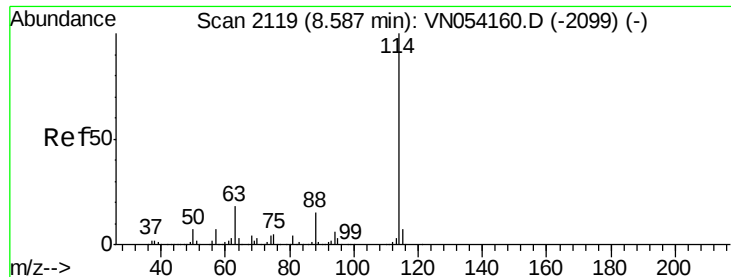
#33
1,2-Dichloroethane-d4
Concen: 49.693 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

Tgt Ion: 65 Resp: 725473
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6



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

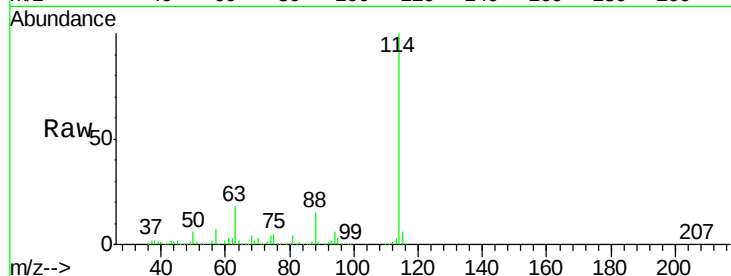




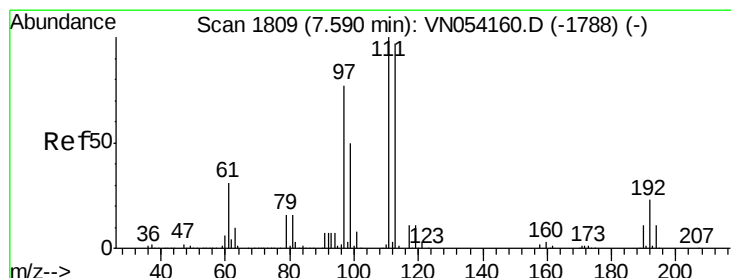
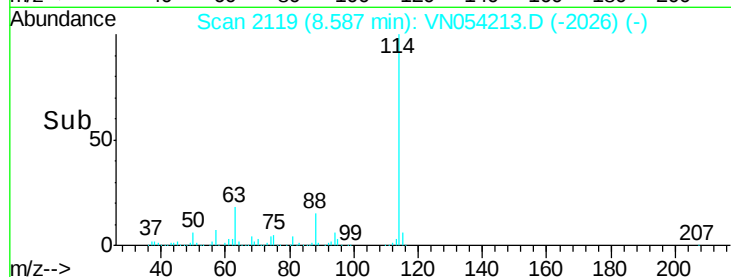
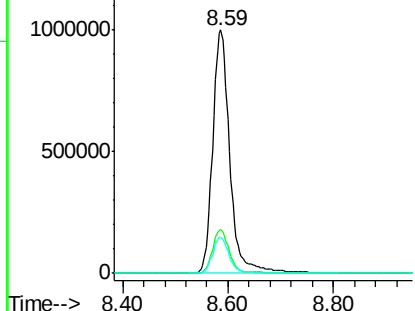
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054213.D
 Acq: 13 Mar 2019 15:40

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2247572
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.8 0.0 30.2

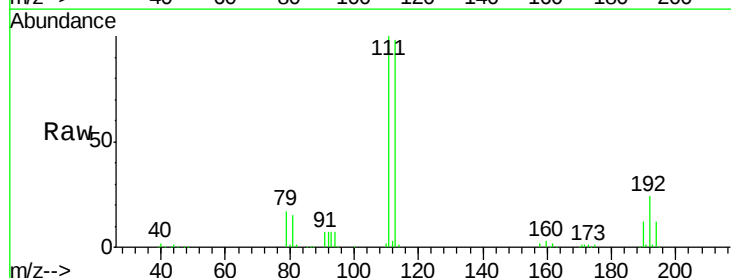


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

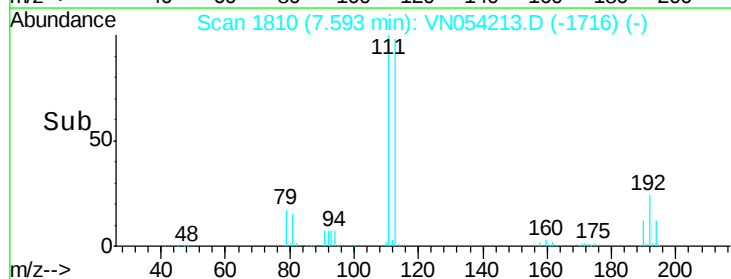
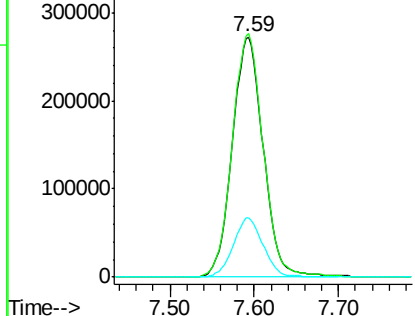


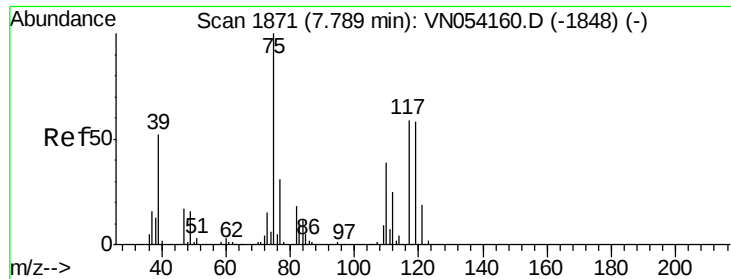
#35
 Dibromofluoromethane
 Concen: 48.055 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054213.D
 Acq: 13 Mar 2019 15:40

Tgt Ion:113 Resp: 696608
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.4
 192 23.7 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

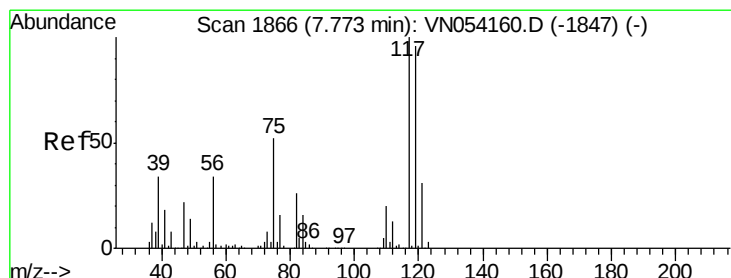
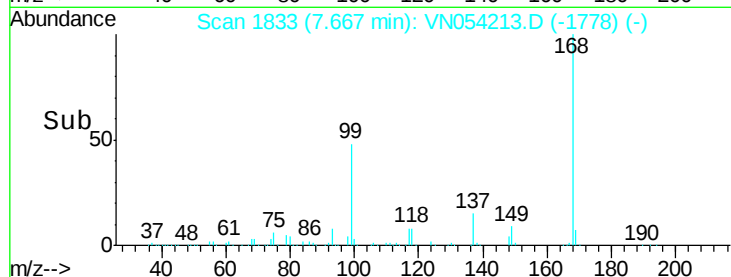
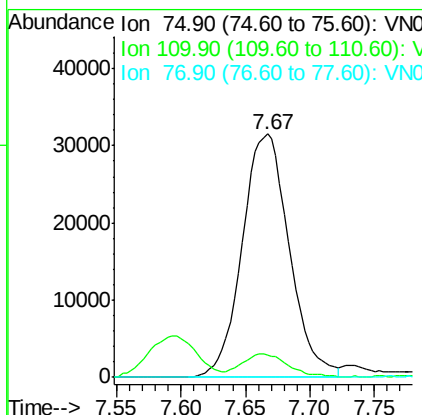
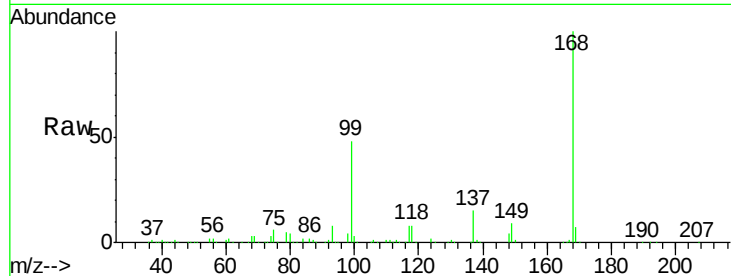




#36
 1,1-Dichloropropene
 Concen: 3.881 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054213.D
 Acq: 13 Mar 2019 15:40

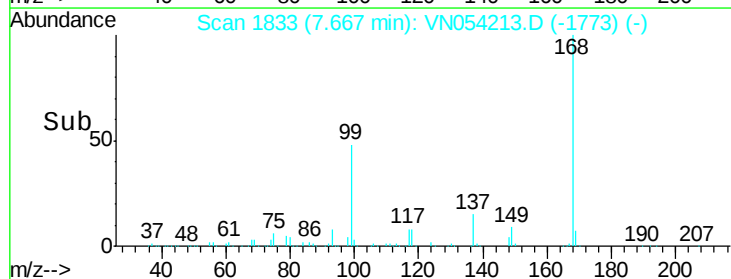
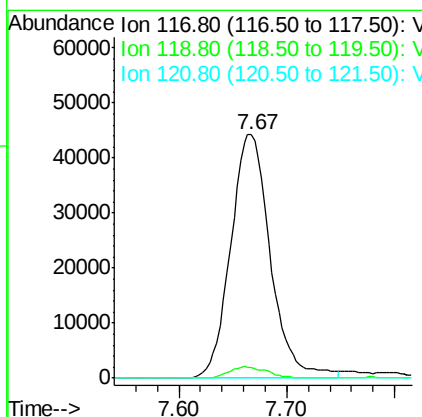
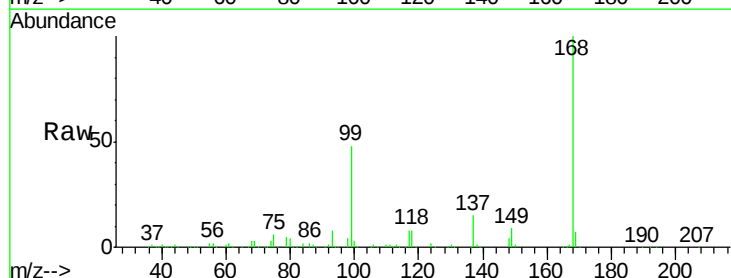
Instrument :
 MSVOA_N
 ClientSampled :

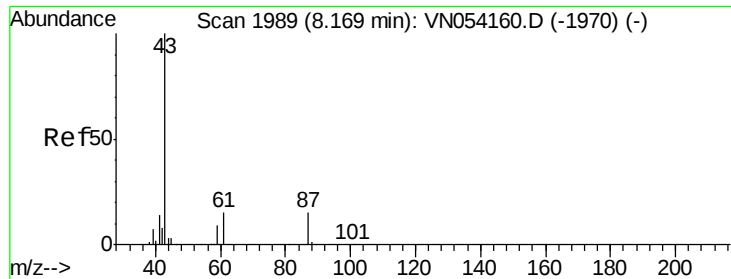
Tot Ion	75	Resp	80332
Ion Ratio	Lower	Upper	
75	100		
110	9.6	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.220 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054213.D
 Acq: 13 Mar 2019 15:40

Tgt Ion	117	Resp	113299
Ion Ratio	Lower	Upper	
117	100		
119	4.1	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 1.493 ug/l

RT: 8.32 min Scan# 2037

Delta R.T. 0.15 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

Instrument :

MSVOA_N

ClientSampleId :

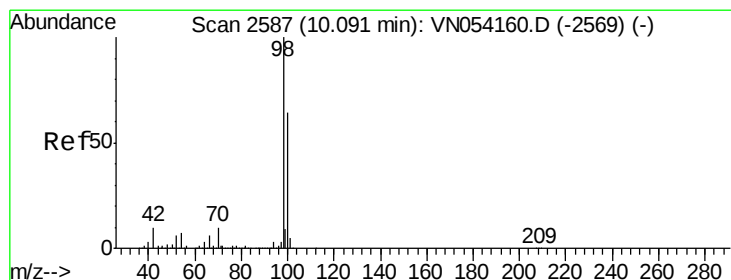
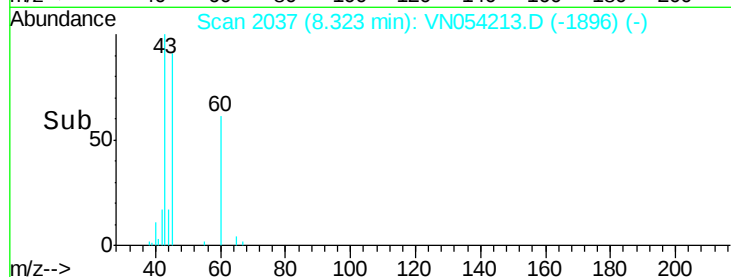
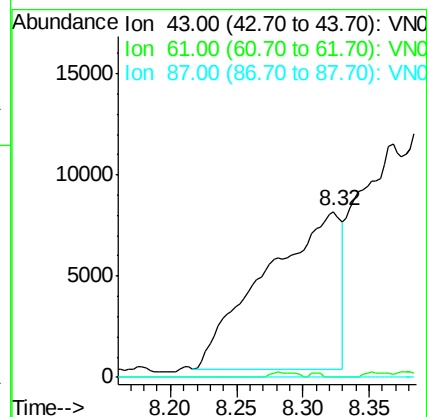
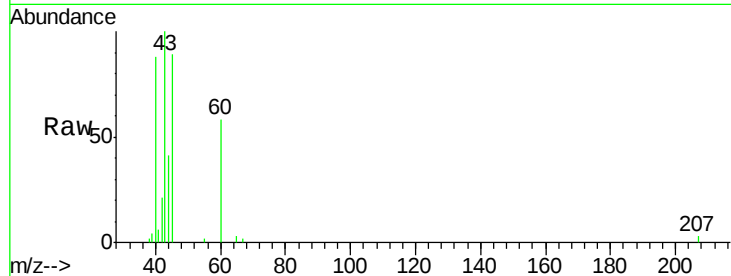
Tot Ion: 43 Resp: 31171

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 51.969 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054213.D

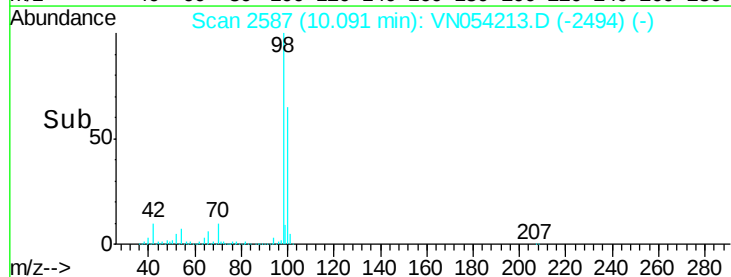
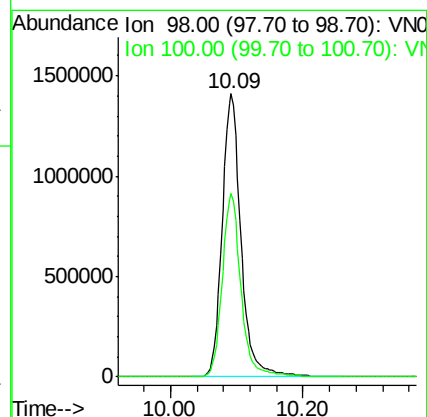
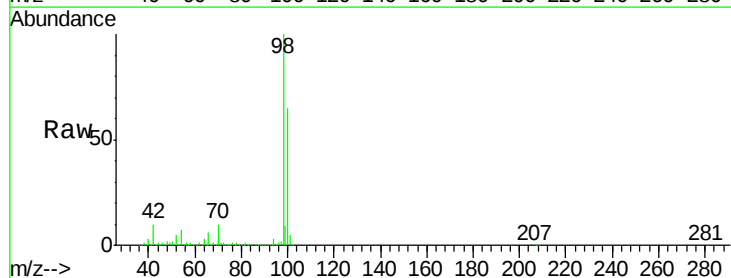
Acq: 13 Mar 2019 15:40

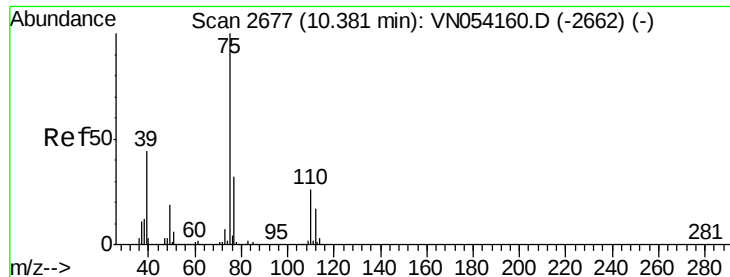
Tgt Ion: 98 Resp: 2782176

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 2.004 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

Instrument :

MSVOA_N

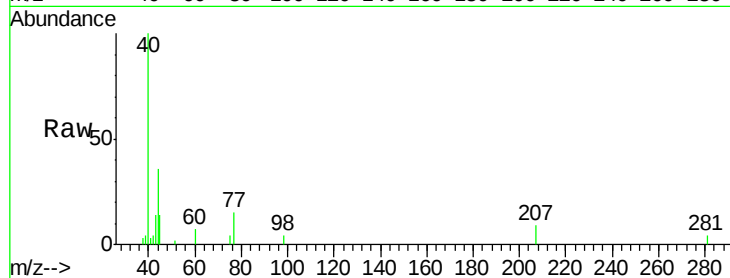
ClientSampled :

Tot Ion: 75 Resp: 431

Ion Ratio Lower Upper

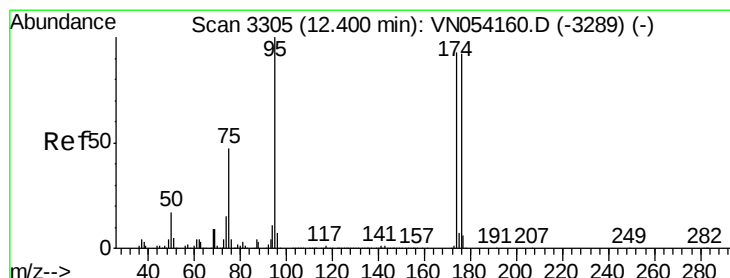
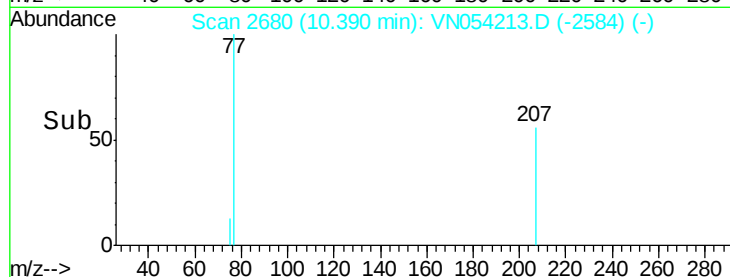
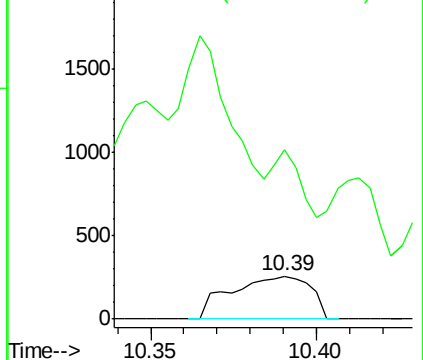
75 100

77 90.7 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: 54.955 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

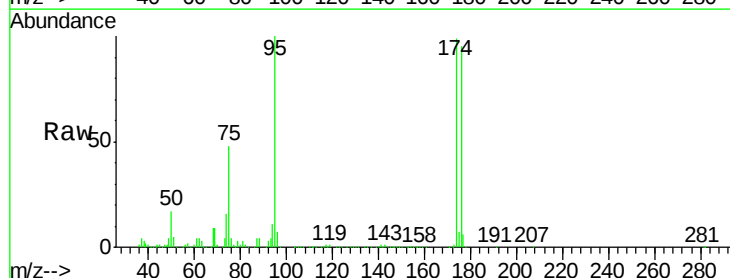
Tgt Ion: 95 Resp: 1029433

Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.0

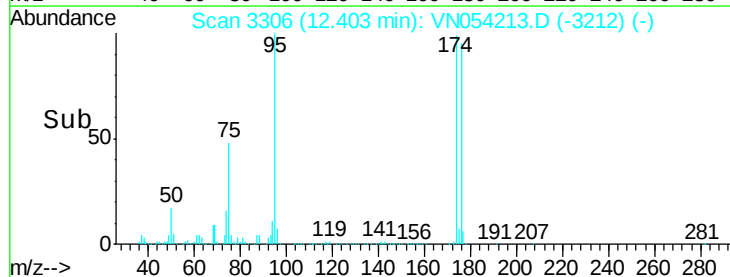
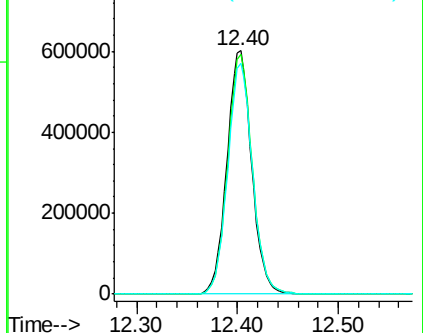
176 95.0 0.0 187.4

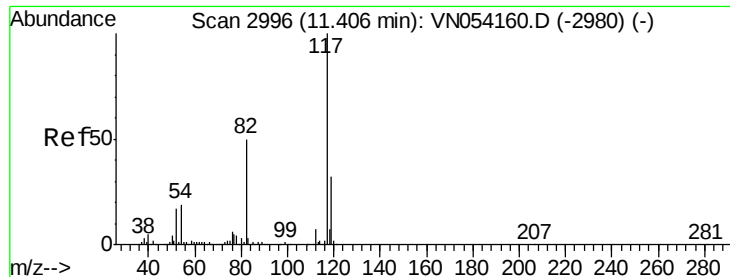


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

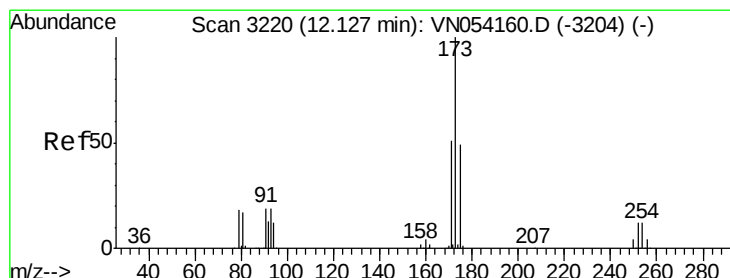
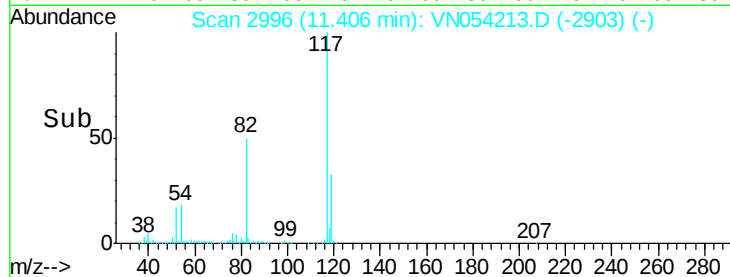
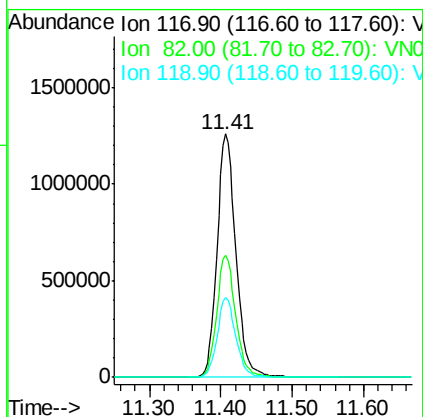
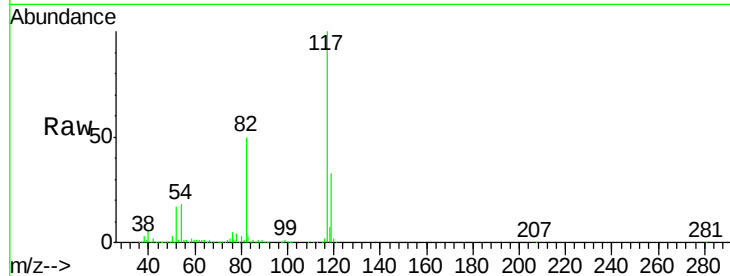




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

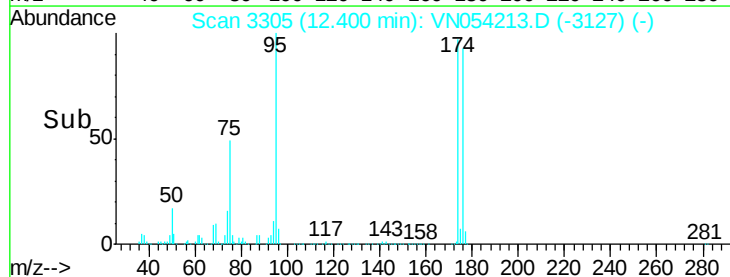
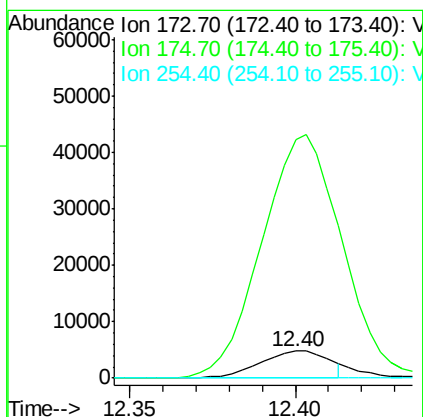
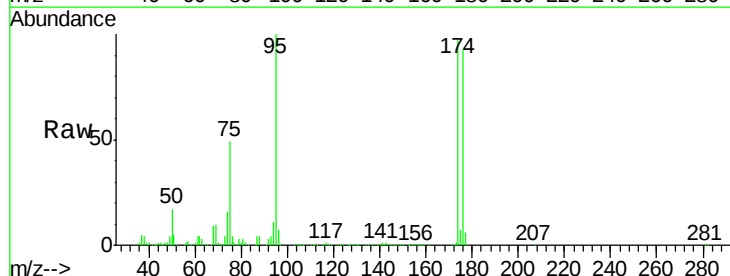
Instrument :
MSVOA_N
ClientSampleId :

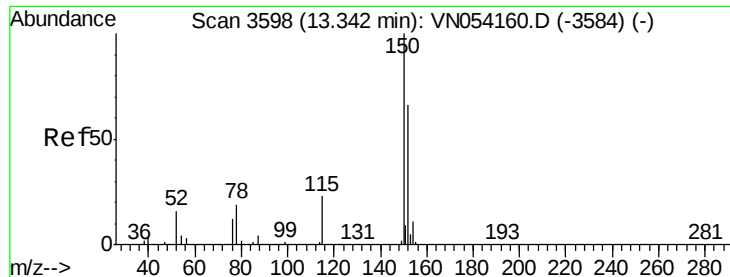
Tot Ion:117 Resp: 2303828
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.7 25.8 38.6



#71
Bromoform
Concen: 2.817 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

Tgt Ion:173 Resp: 6848
Ion Ratio Lower Upper
173 100
175 915.4 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054213.D

Acq: 13 Mar 2019 15:40

Instrument :

MSVOA_N

ClientSampleId :

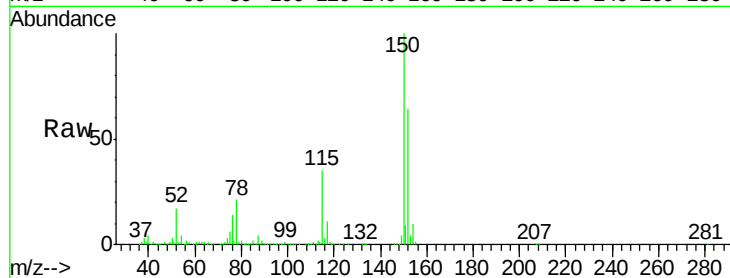
Tot Ion:152 Resp: 946420

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

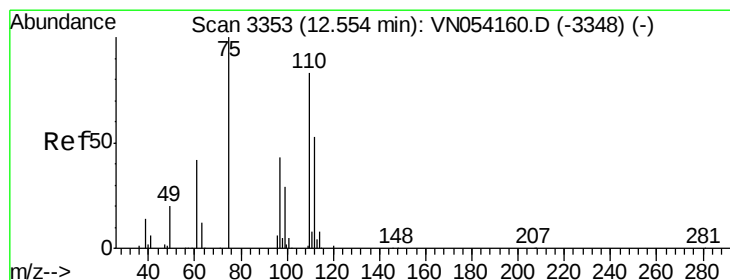
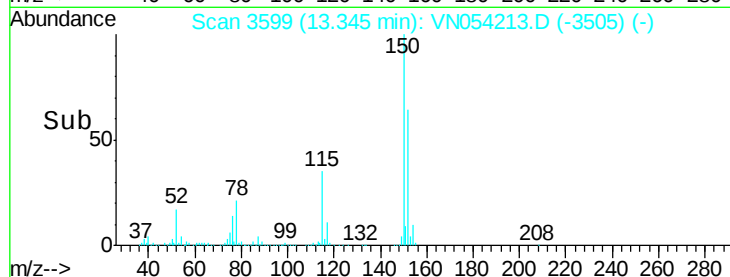
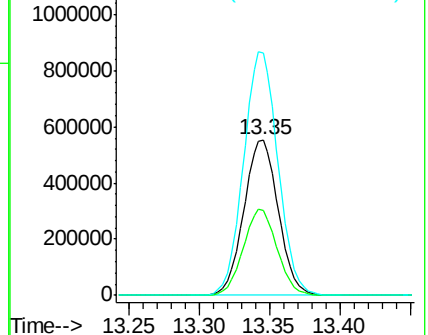
150 156.8 0.0 349.2



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: 35.923 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054213.D

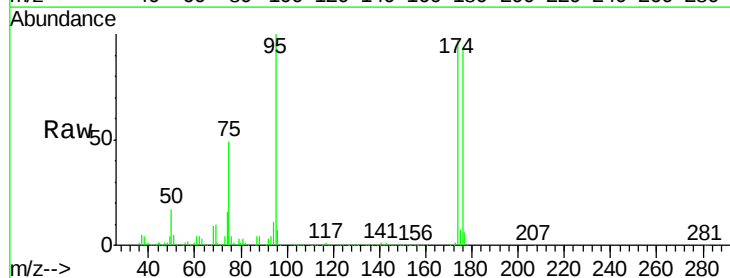
Acq: 13 Mar 2019 15:40

Tgt Ion: 75 Resp: 499966

Ion Ratio Lower Upper

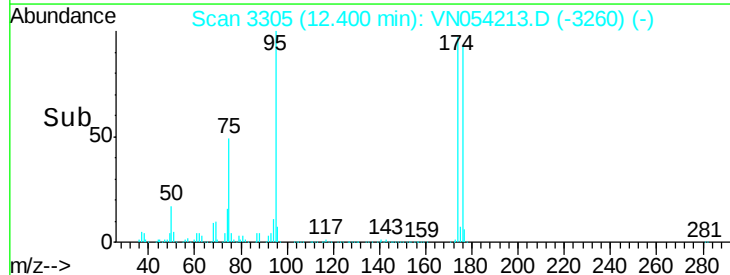
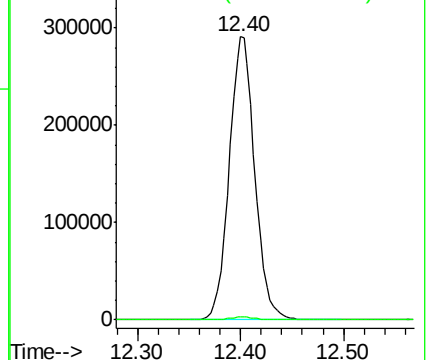
75 100

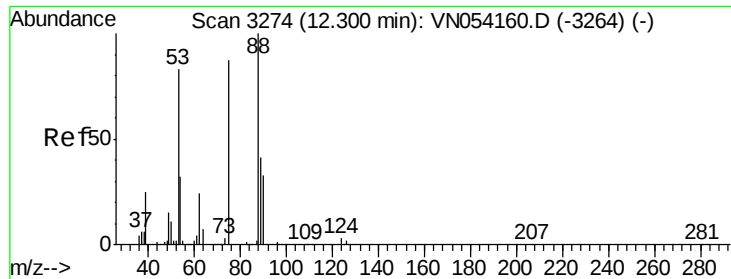
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

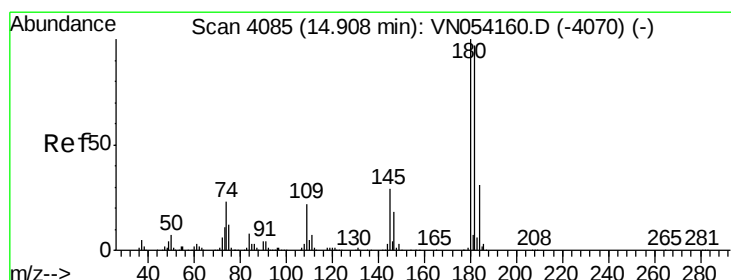
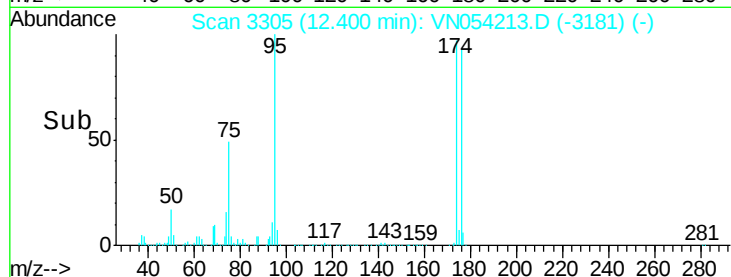
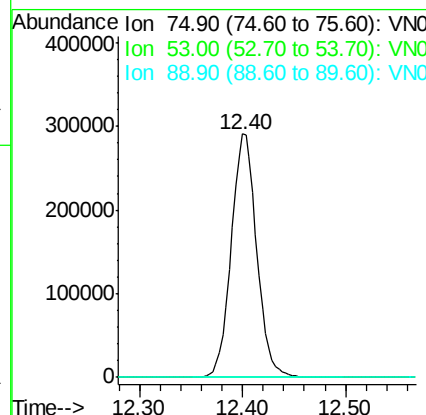
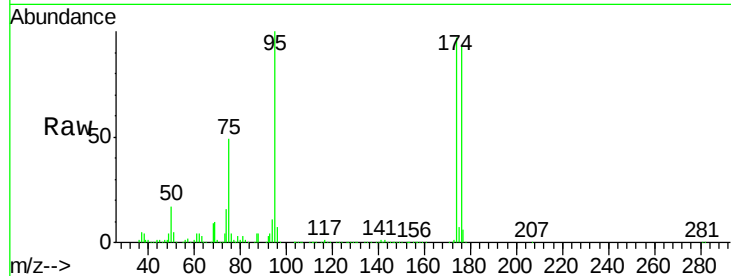




#81
trans-1,4-Dichloro-2-butene
Concen: 122.802 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

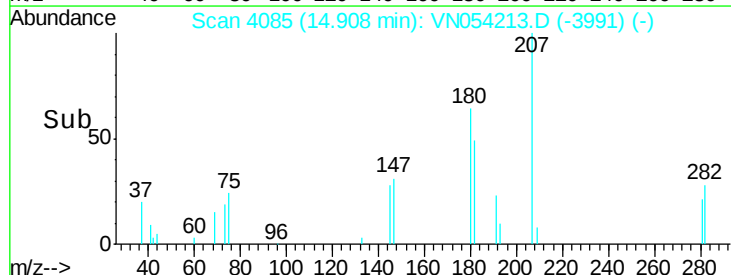
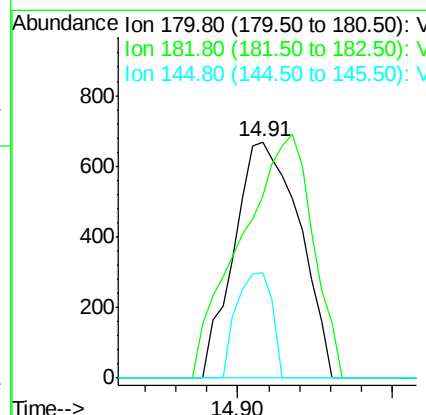
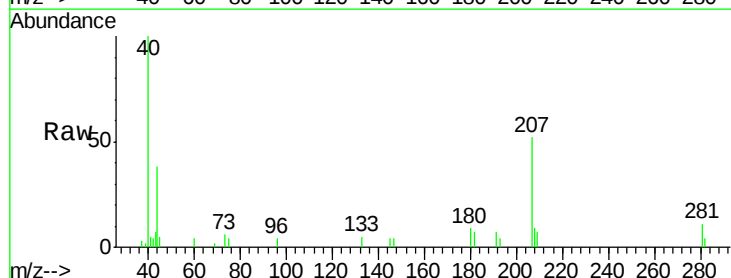
Instrument :
MSVOA_N
ClientSampleId :

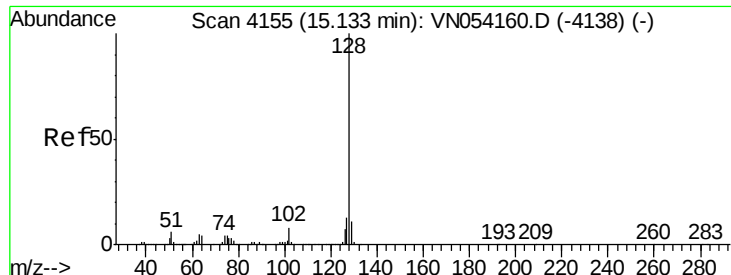
Tot Ion: 75 Resp: 499966
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.563 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

Tgt Ion: 180 Resp: 983
Ion Ratio Lower Upper
180 100
182 112.9 48.0 144.2
145 24.3 14.2 42.8

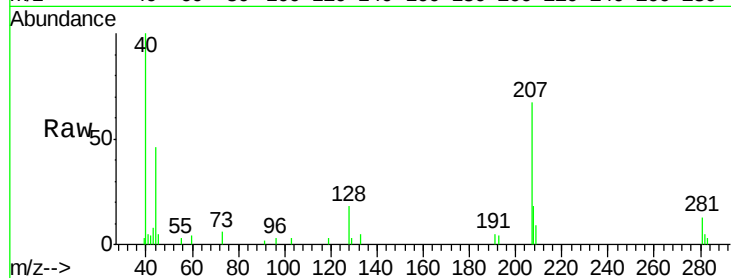




#95
Naphthalene
Concen: 3.525 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054213.D
Acq: 13 Mar 2019 15:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	6.4	10.1	15.1#
129	9.3	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

