

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041819\
 Data File : VN055114.D
 Acq On : 18 Apr 2019 9:48
 Operator : JC/SP
 Sample : VN0418MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	517156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	834349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	686745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	332849	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.59	113	266173	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	10.09	98	991428	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	284764	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	

Target Compounds

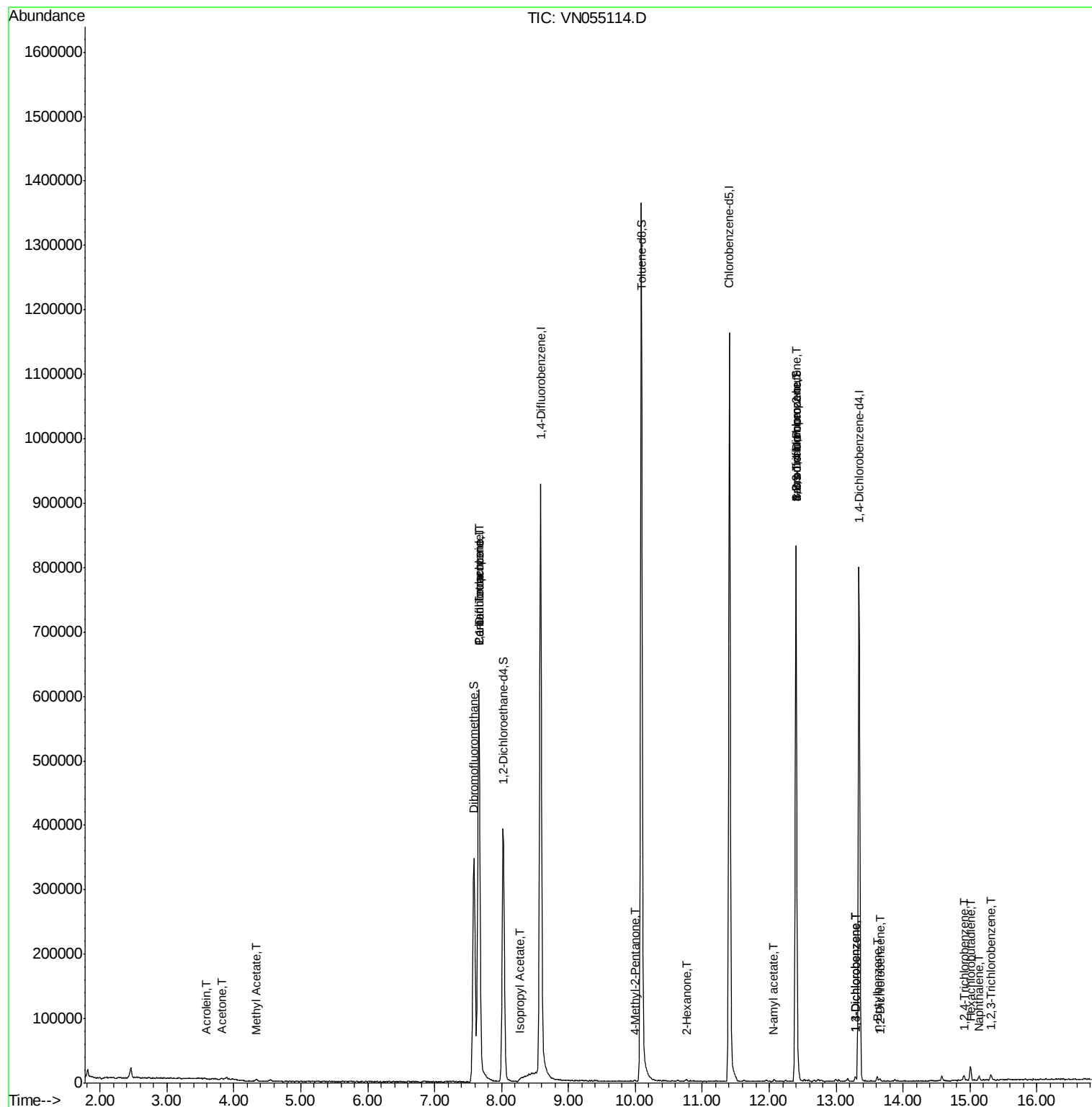
					Qvalue	
13) Acrolein	3.60	56	151	0.324	ug/l #	50
16) Acetone	3.82	43	1029	0.552	ug/l	91
18) Methyl Acetate	4.33	43	3754	0.263	ug/l	97
31) Cyclohexane	7.66	56	11467	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	38560	4.903	ug/l #	49
38) Carbon Tetrachloride	7.66	117	48737	6.513	ug/l #	17
43) Isopropyl Acetate	8.27	43	2709	0.275	ug/l #	64
51) 4-Methyl-2-Pentanone	9.99	43	1601	0.281	ug/l #	66
59) 2-Hexanone	10.76	43	2221	0.620	ug/l	97
71) Bromoform	12.40	173	2131	0.731	ug/l #	1
74) N-amyl acetate	12.07	43	1960	0.360	ug/l #	79
76) 1,2,3-Trichloropropane	12.40	75	146175	37.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	146175	149.029	ug/l #	2
87) 1,3-Dichlorobenzene	13.28	146	1663	0.227	ug/l	84
88) 1,4-Dichlorobenzene	13.28	146	1663	0.238	ug/l	83
89) n-Butylbenzene	13.61	91	4588	0.429	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1891	0.256	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	2720	3.447	ug/l	88
94) Hexachlorobutadiene	15.01	225	4594	2.016	ug/l	93
95) Naphthalene	15.13	128	4840	3.660	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	3338	1.173	ug/l	88

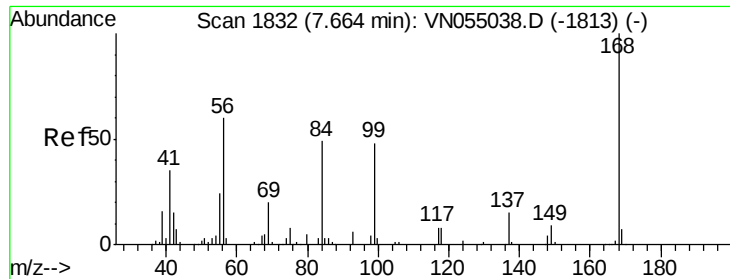
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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Quant Time: Apr 19 01:27:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

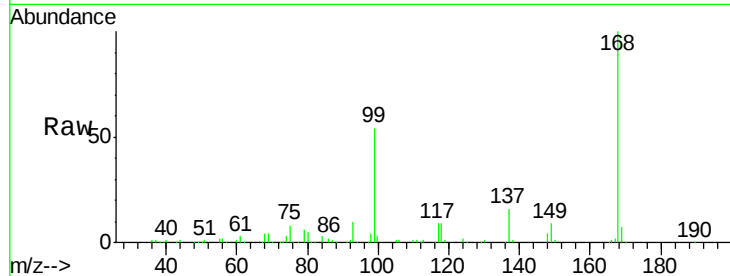
ClientSampleId :

Tot Ion:168 Resp: 517156

Ion Ratio Lower Upper

168 100

99 54.0 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055114.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055114.D (-1739) (-)

7.66

250000

200000

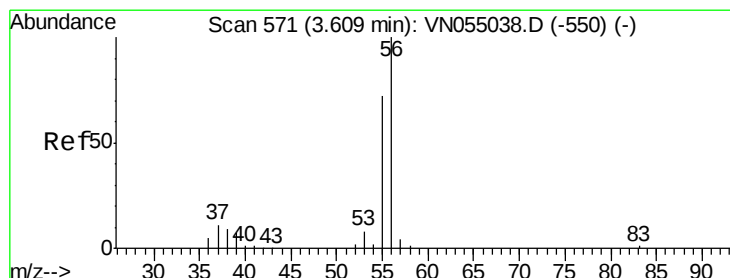
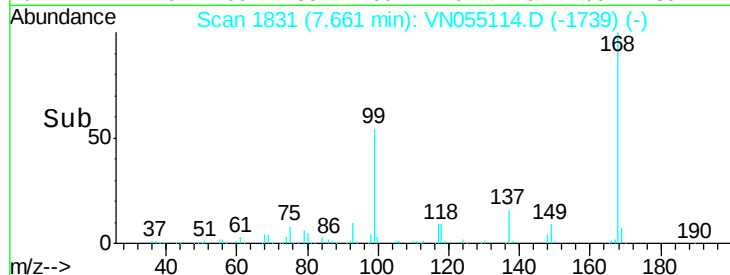
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.324 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055114.D

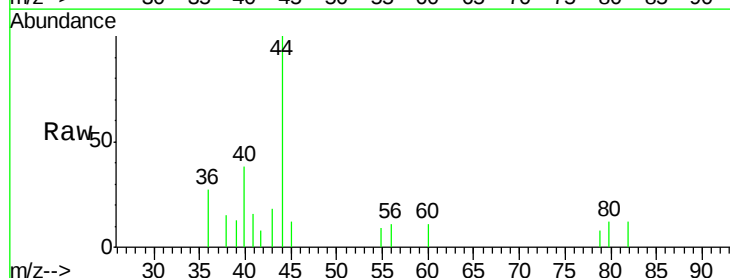
Acq: 18 Apr 2019 9:48

Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 117.2 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055114.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN055114.D (-478) (-)

3.60

250

200

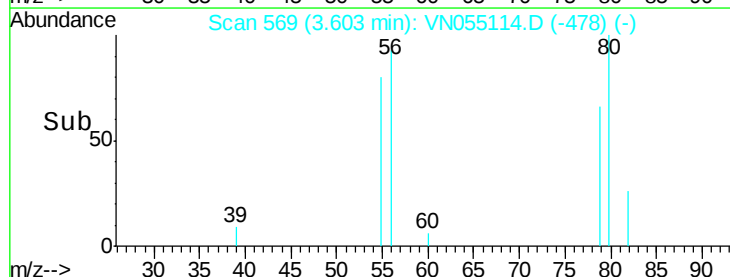
150

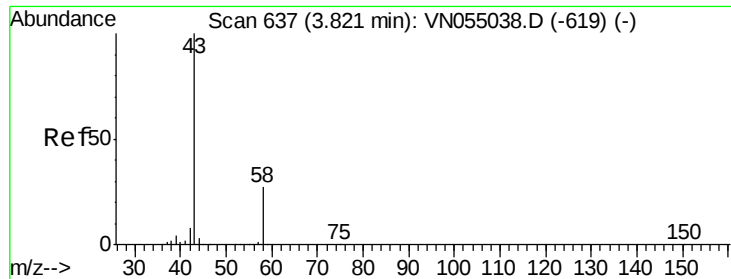
100

50

0

Time-->

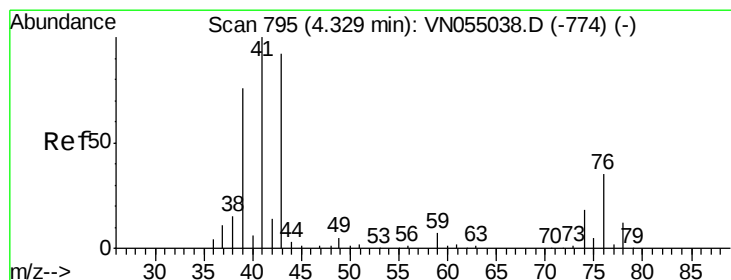
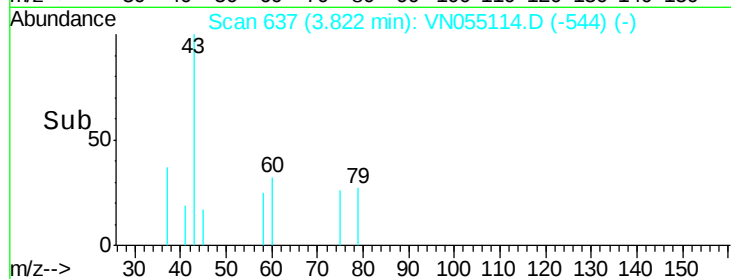
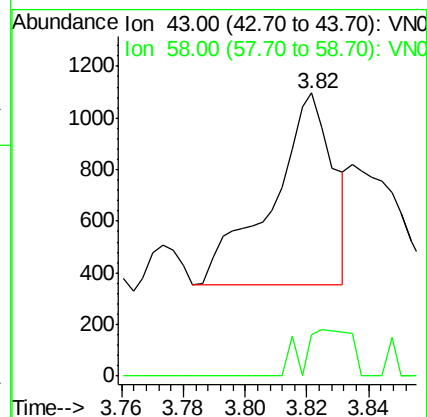
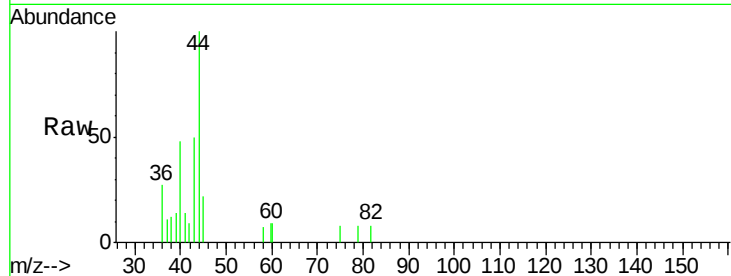




#16
Acetone
Concen: 0.552 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055114.D
Acq: 18 Apr 2019 9:48

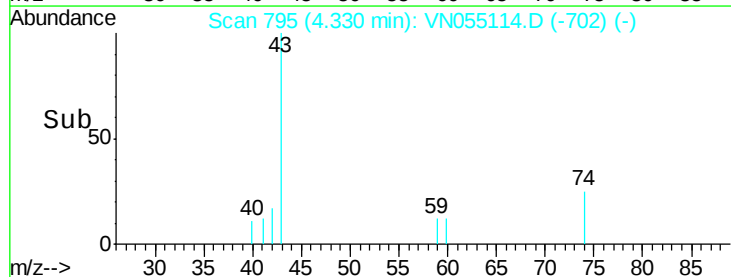
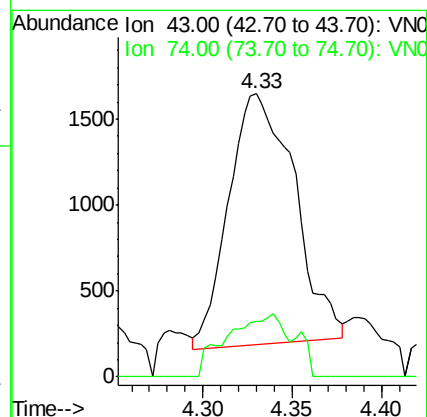
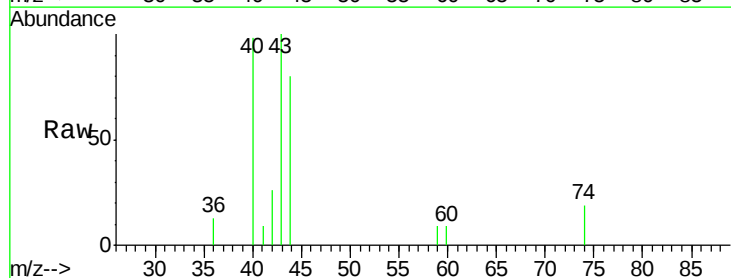
Instrument :
MSVOA_N
ClientSampled :

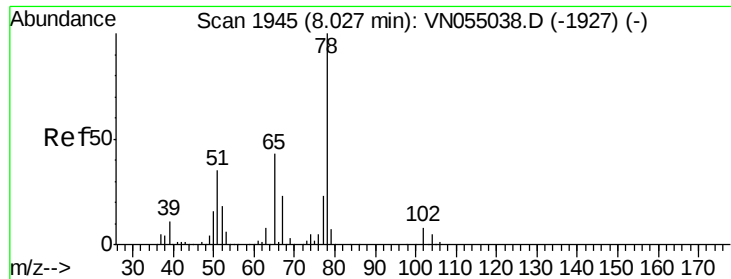
Tot Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
58 21.6 20.9 31.3



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055114.D
Acq: 18 Apr 2019 9:48

Tgt Ion: 43 Resp: 3754
Ion Ratio Lower Upper
43 100
74 21.7 16.1 24.1

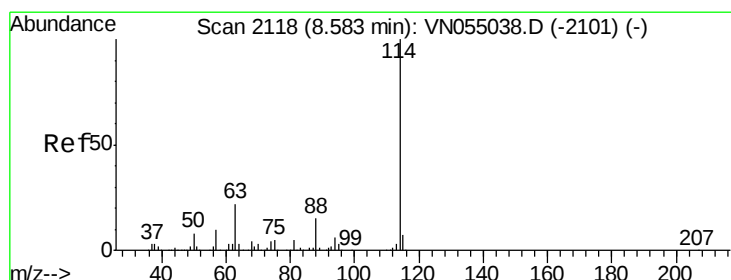
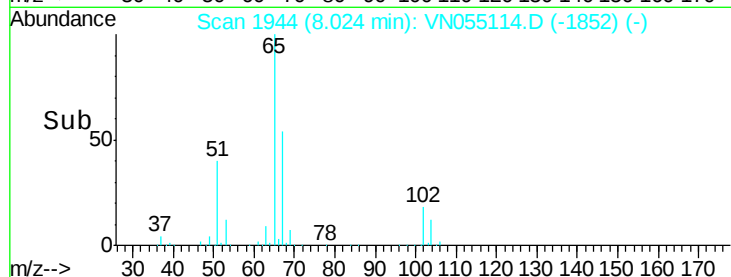
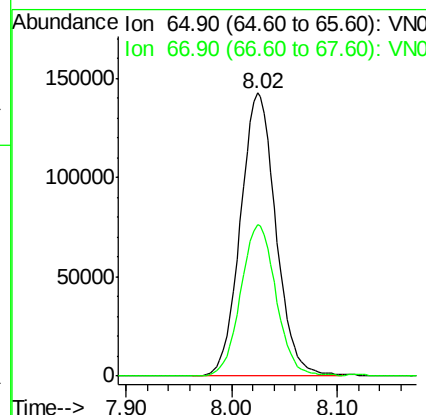
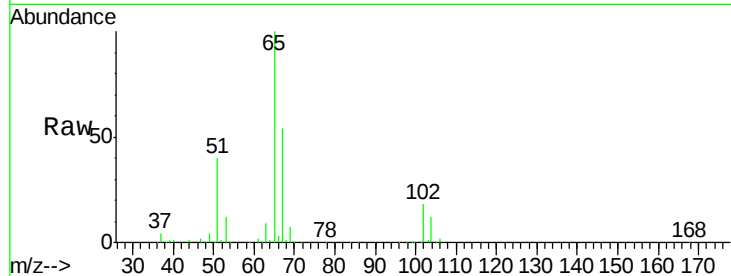




#33
 1,2-Dichloroethane-d4
 Concen: 48.419 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055114.D
 Acq: 18 Apr 2019 9:48

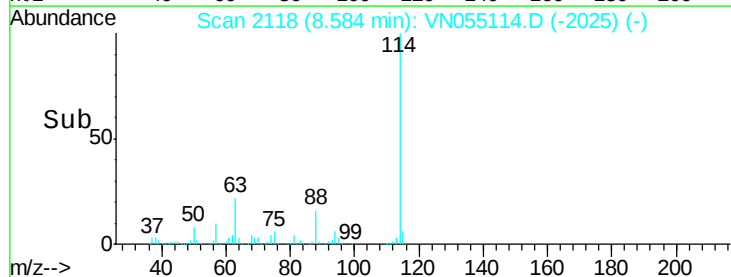
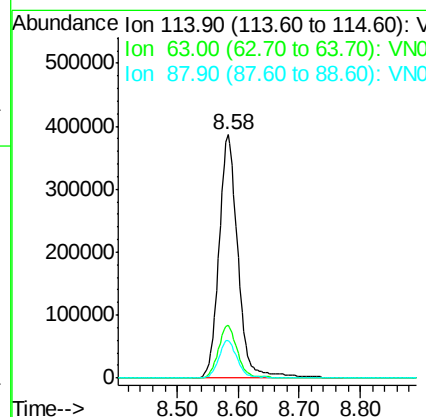
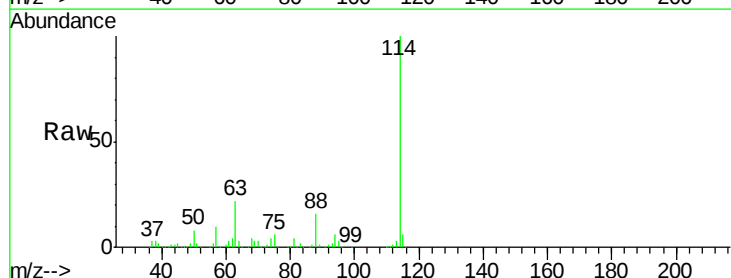
Instrument :
 MSVOA_N
 ClientSampleId :

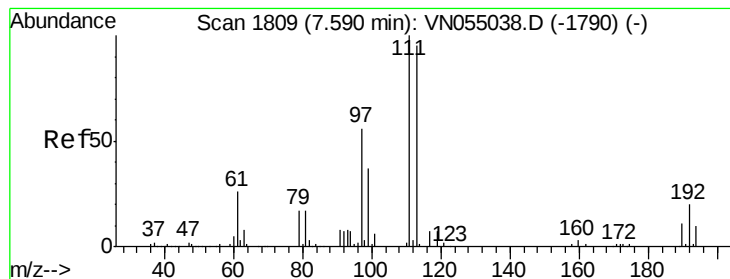
Tot Ion: 65 Resp: 332849
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055114.D
 Acq: 18 Apr 2019 9:48

Tgt Ion: 114 Resp: 834349
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.2
 88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.735 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

ClientSampled :

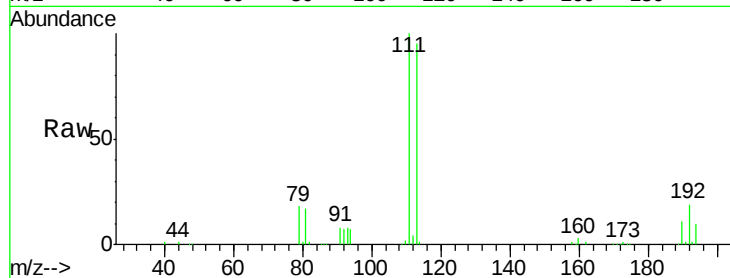
Tot Ion:113 Resp: 266173

Ion Ratio Lower Upper

113 100

111 103.4 82.1 123.1

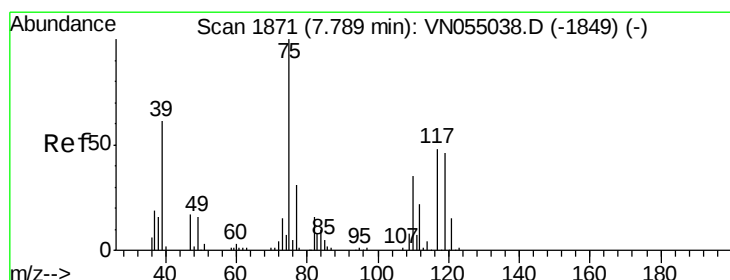
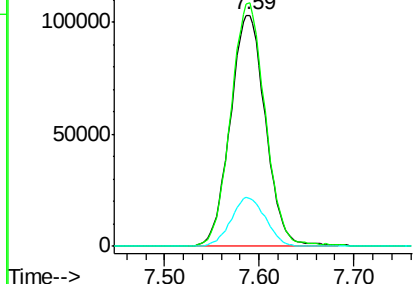
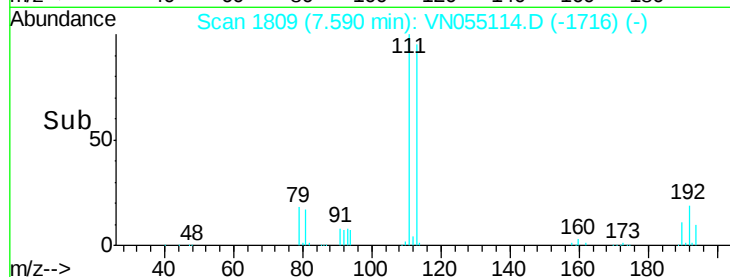
192 20.9 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

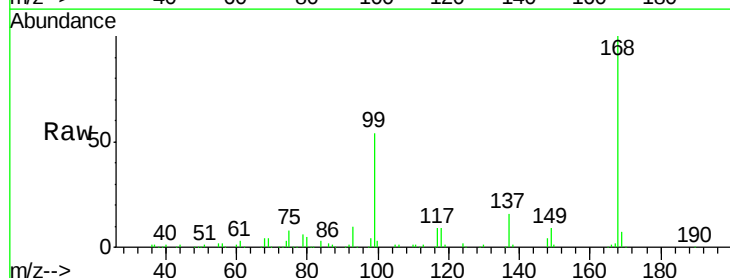
Tgt Ion: 75 Resp: 38560

Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.5#

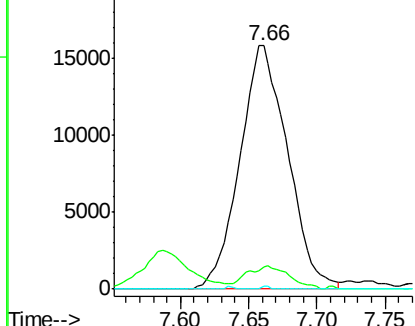
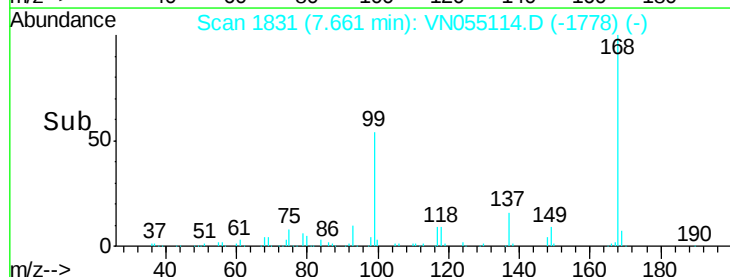
77 0.2 24.9 37.3#

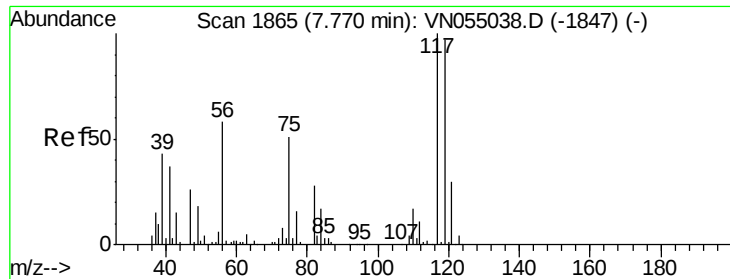


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

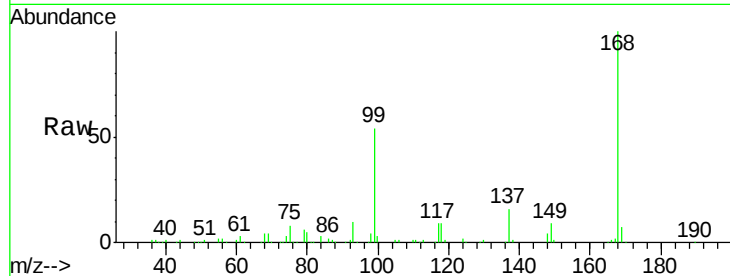




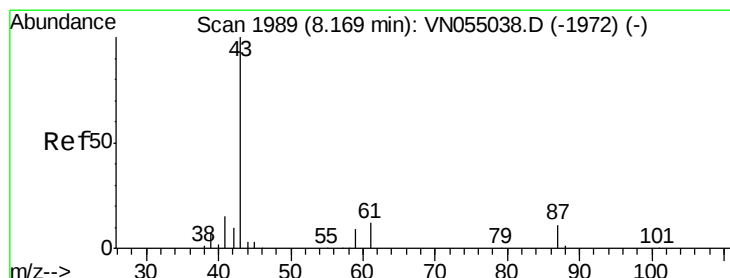
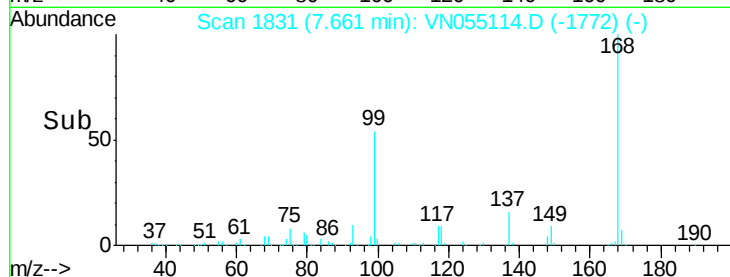
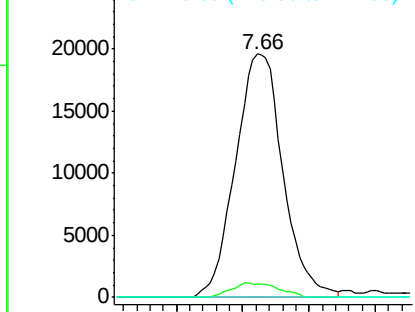
#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN055114.D
Acq: 18 Apr 2019 9:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 48737
Ion Ratio Lower Upper
117 100
119 5.5 76.3 114.5#
121 0.0 23.9 35.9#

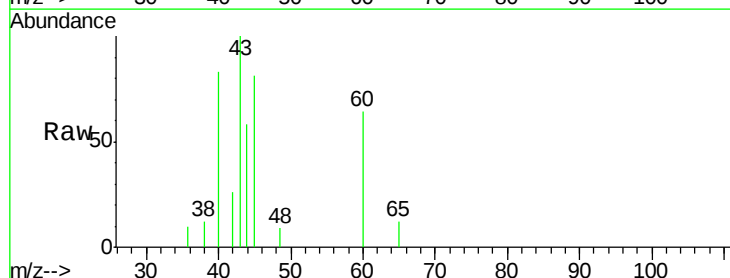


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

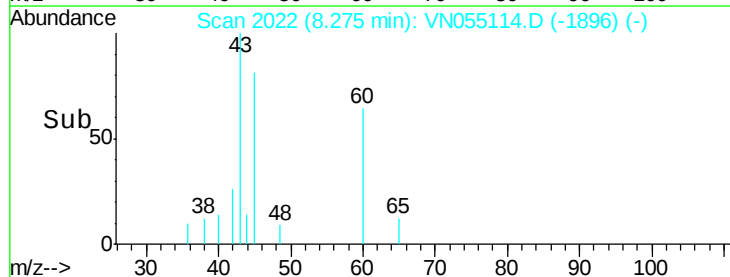
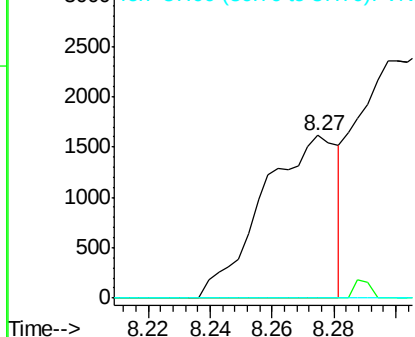


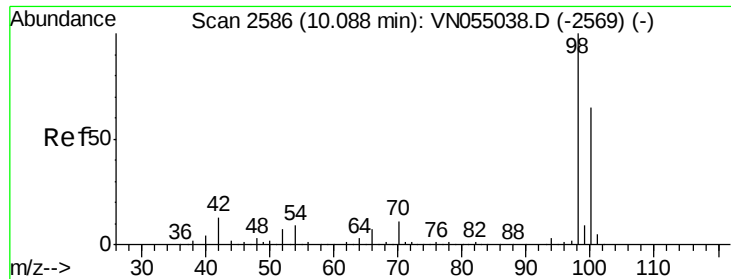
#43
Isopropyl Acetate
Concen: 0.275 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.11 min
Lab File: VN055114.D
Acq: 18 Apr 2019 9:48

Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
61 0.0 14.3 21.5#
87 0.0 8.6 13.0#



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





#50

Toluene-d8

Concen: 49.678 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

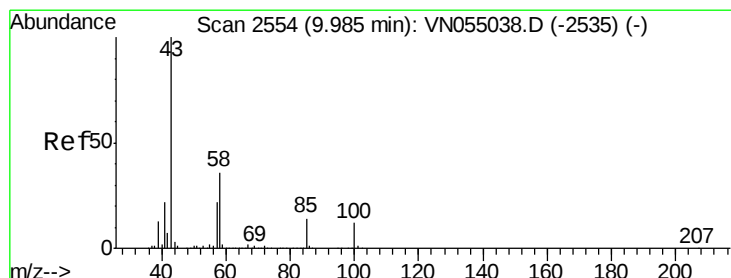
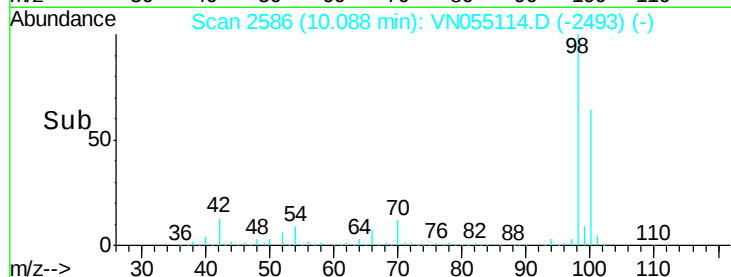
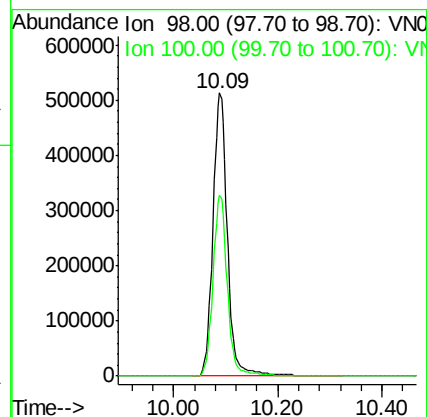
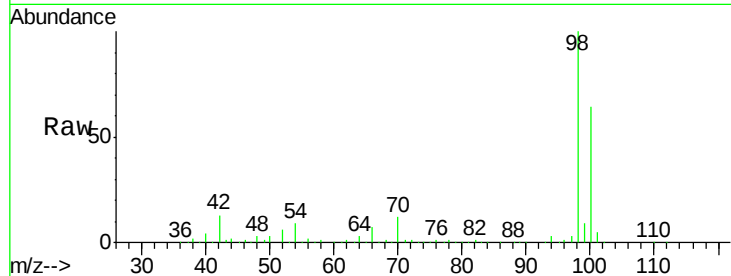
ClientSampled :

Tot Ion: 98 Resp: 991428

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.281 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055114.D

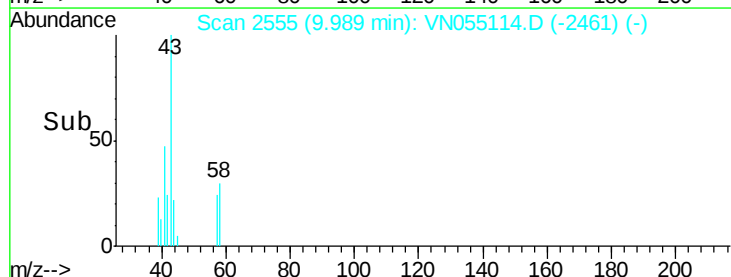
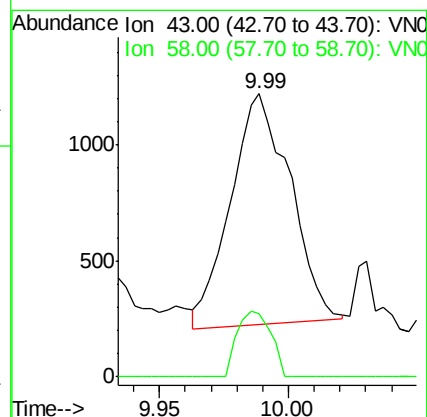
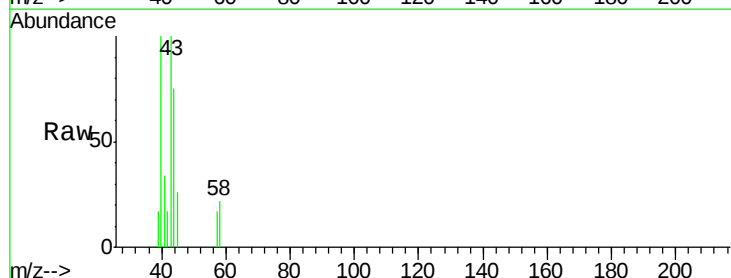
Acq: 18 Apr 2019 9:48

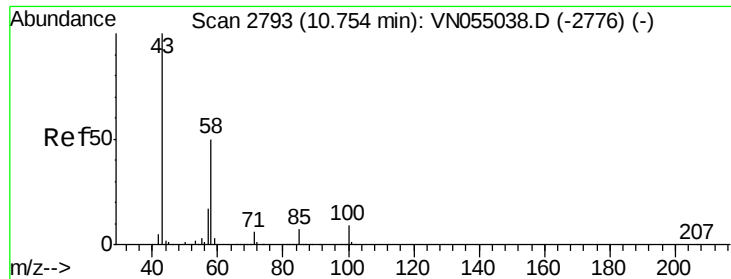
Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 16.0 29.0 43.4#





#59

2-Hexanone

Concen: 0.620 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

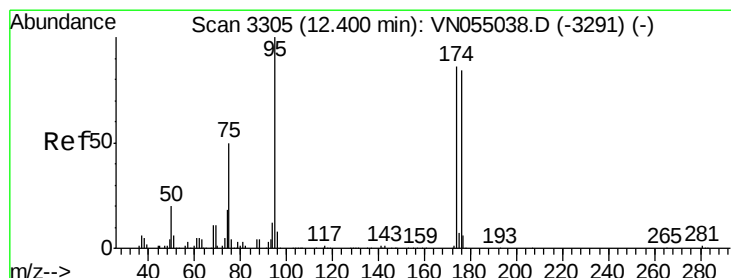
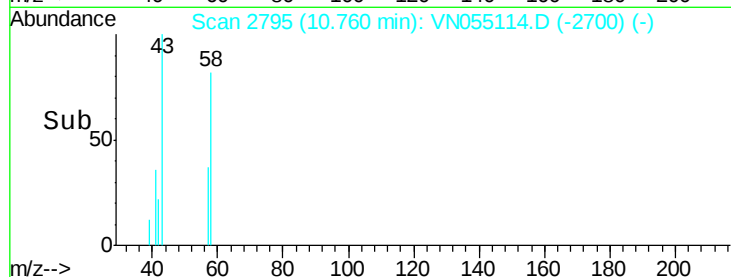
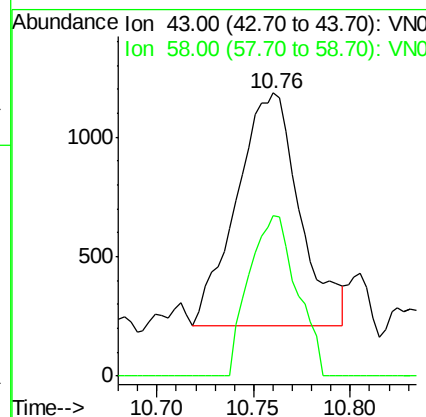
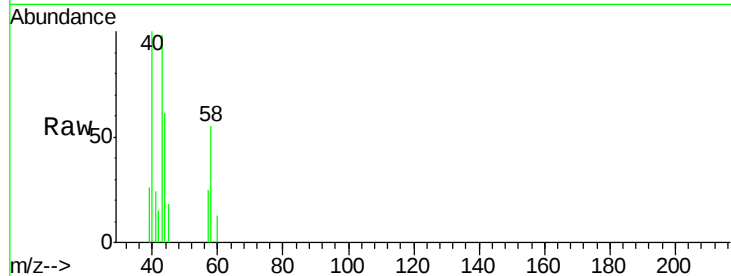
ClientSampled :

Tot Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

58 52.0 25.1 75.2



#62

4-Bromofluorobenzene

Concen: 43.891 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

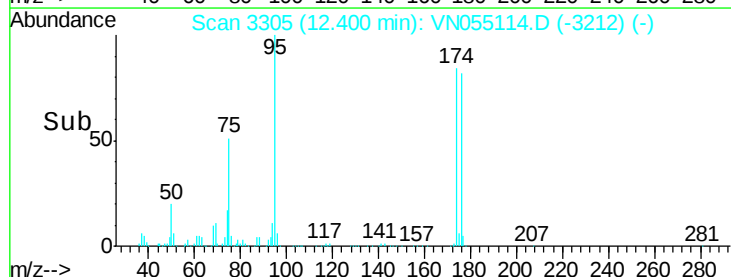
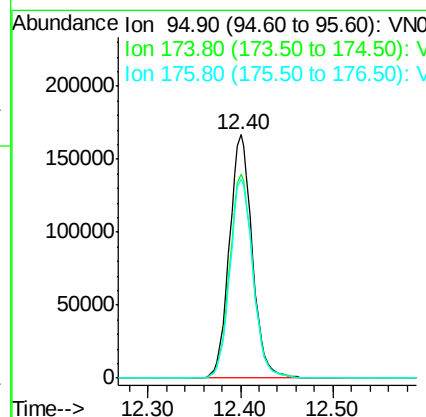
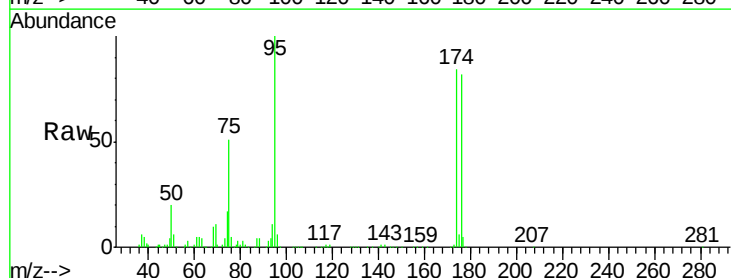
Tgt Ion: 95 Resp: 284764

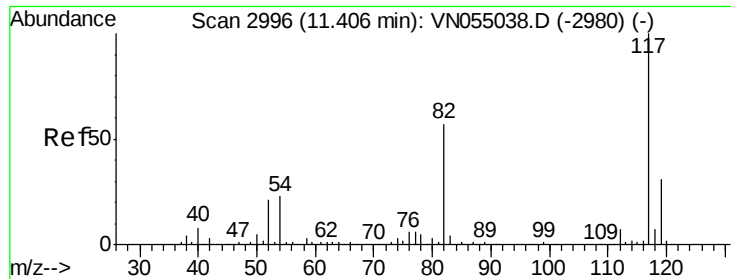
Ion Ratio Lower Upper

95 100

174 85.2 0.0 174.4

176 82.7 0.0 166.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

ClientSampleId :

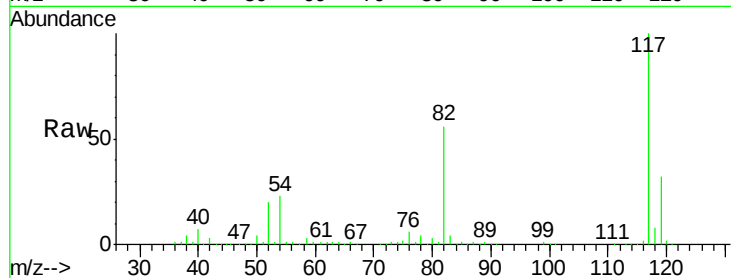
Tot Ion:117 Resp: 686745

Ion Ratio Lower Upper

117 100

82 56.1 44.6 66.8

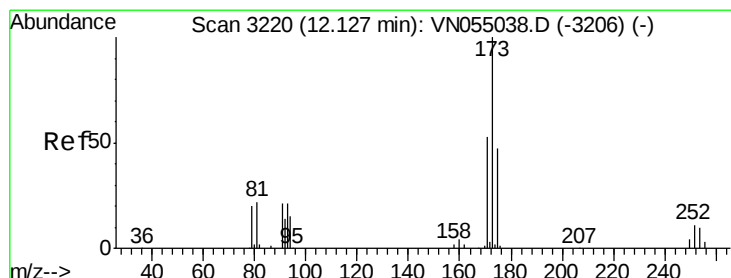
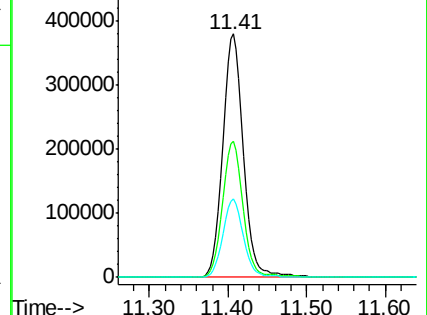
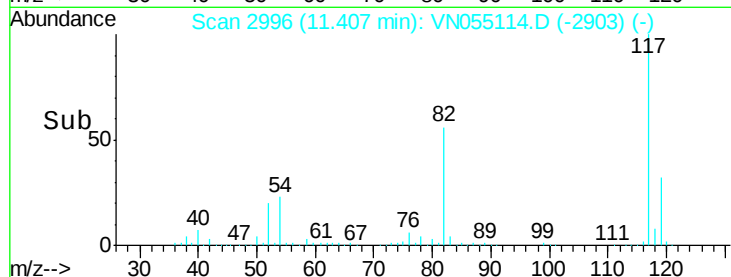
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.731 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

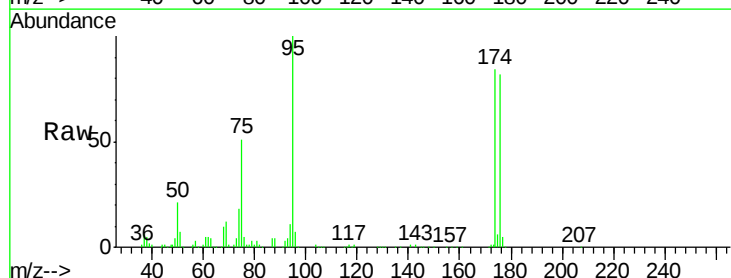
Tgt Ion:173 Resp: 2131

Ion Ratio Lower Upper

173 100

175 762.7 24.3 73.0#

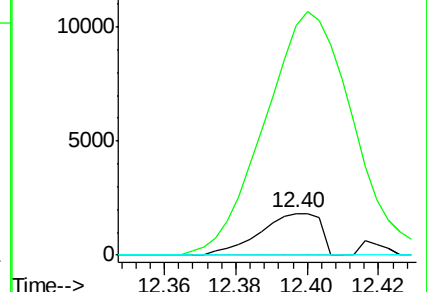
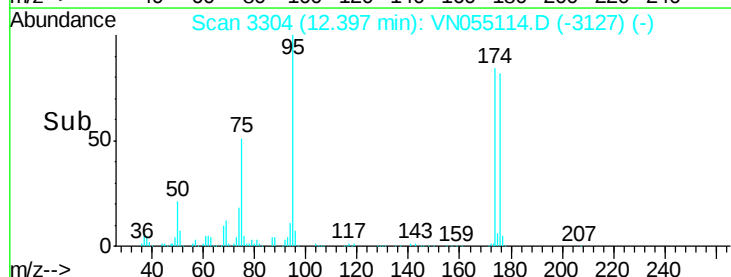
254 0.0 0.1 0.1#

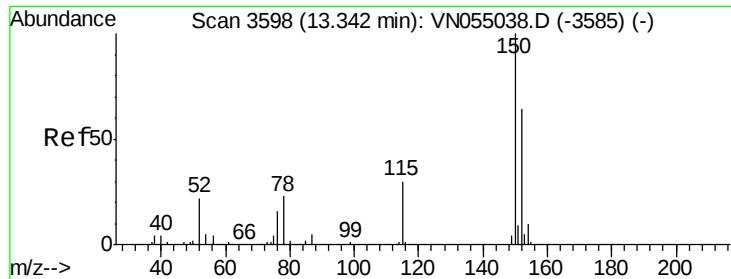


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

ClientSampleId :

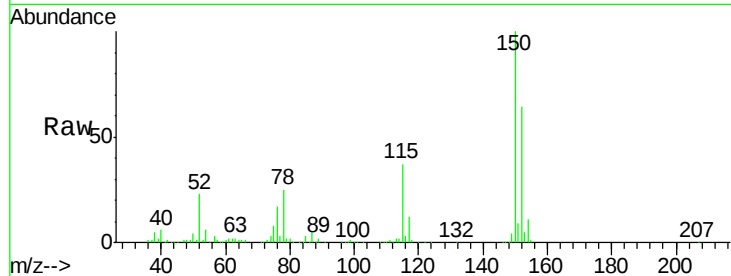
Tot Ion:152 Resp: 218117

Ion Ratio Lower Upper

152 100

115 59.2 28.5 85.6

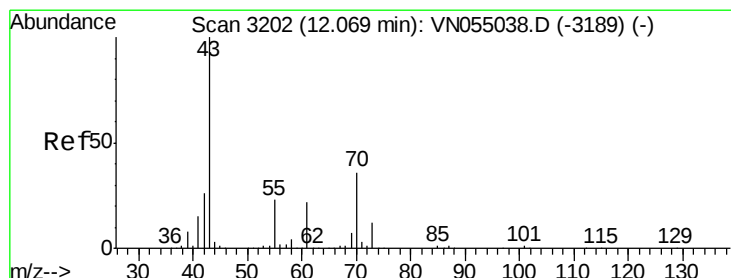
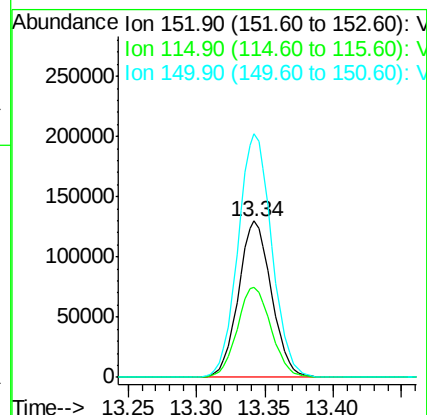
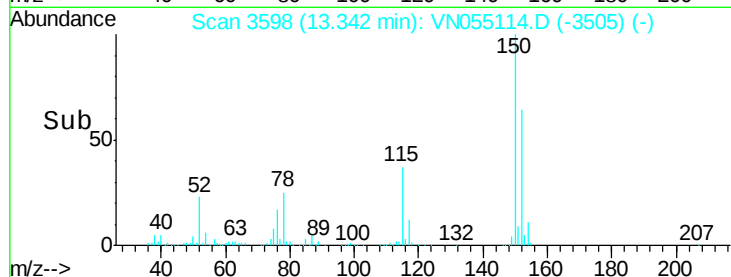
150 158.9 0.0 347.2



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



#74

N-ethyl acetate

Concen: 0.360 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Tgt Ion: 43 Resp: 1960

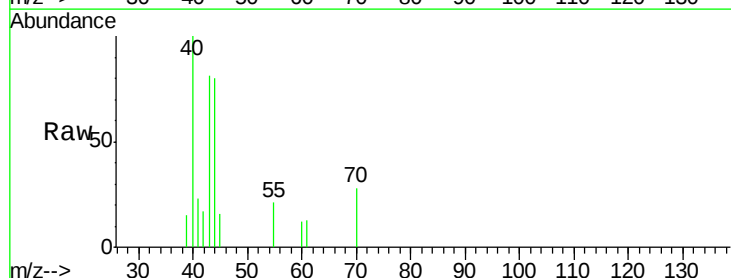
Ion Ratio Lower Upper

43 100

70 34.0 29.4 44.0

55 7.2 19.0 28.4#

61 5.0 17.7 26.5#

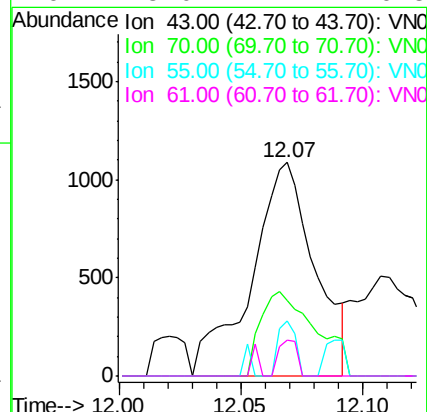
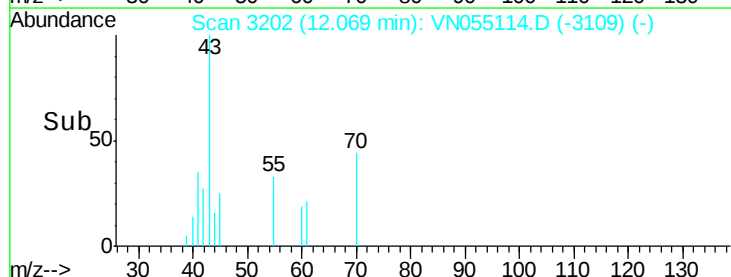


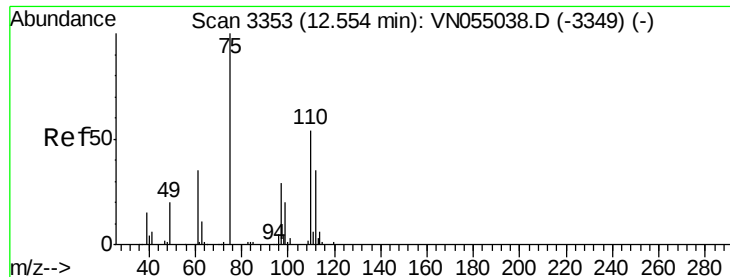
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 37.268 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

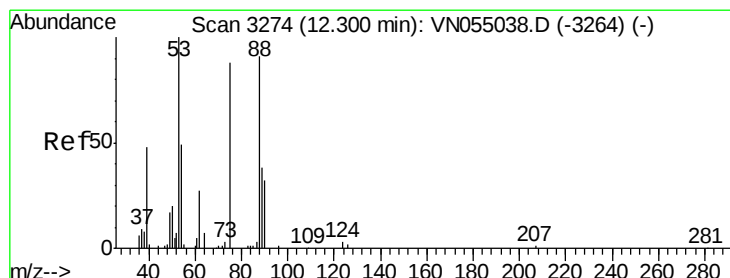
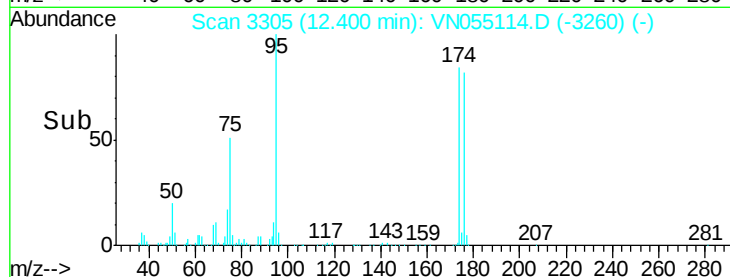
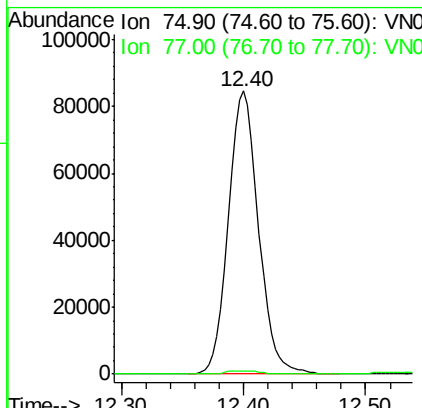
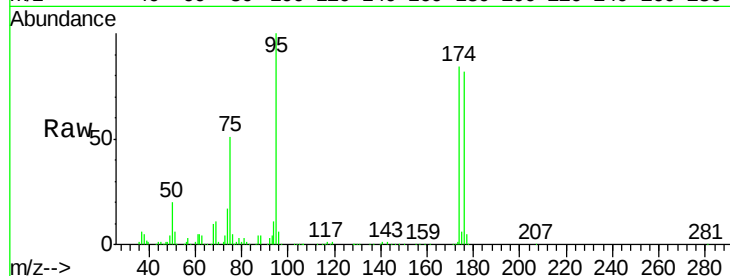
ClientSampled :

Tot Ion: 75 Resp: 146175

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.029 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

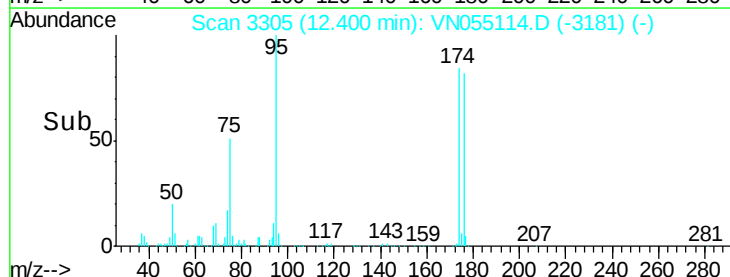
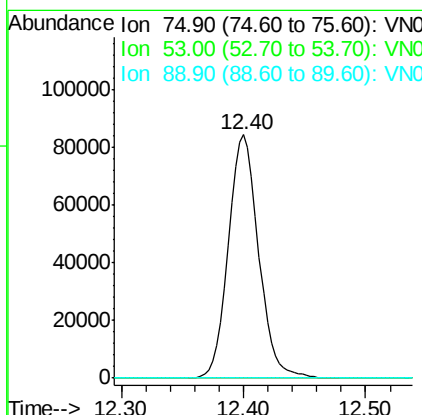
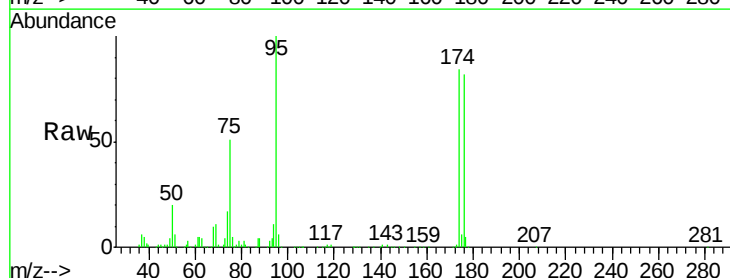
Tgt Ion: 75 Resp: 146175

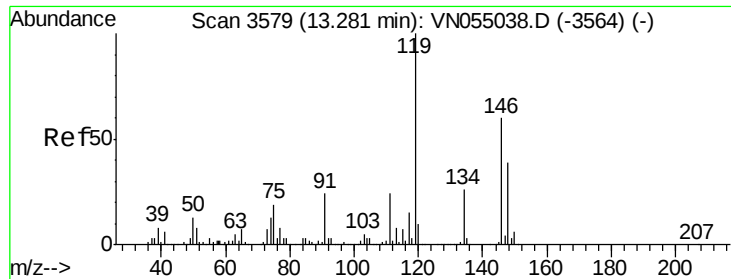
Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

89 0.0 38.6 57.8#

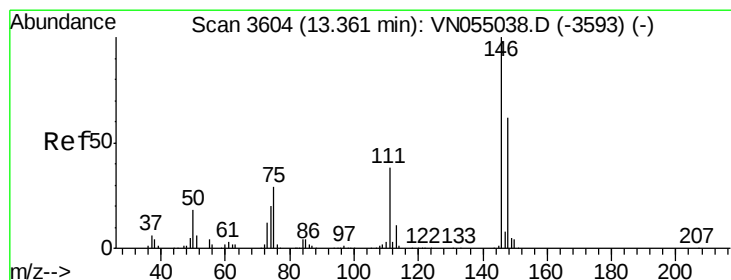
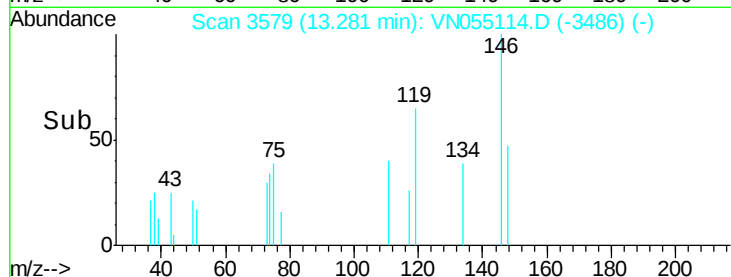
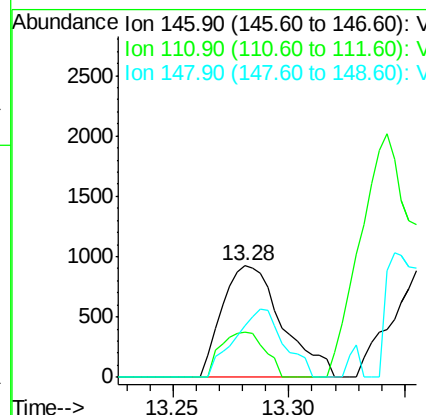
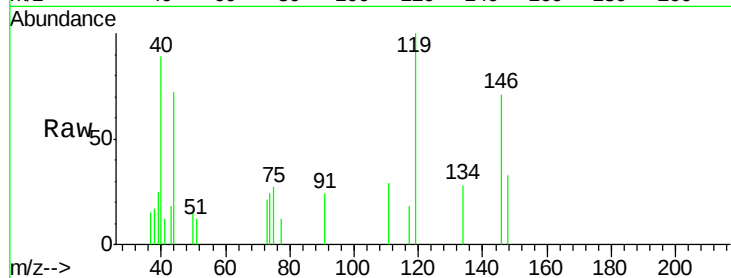




#87
 1,3-Dichlorobenzene
 Concen: 0.227 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055114.D
 Acq: 18 Apr 2019 9:48

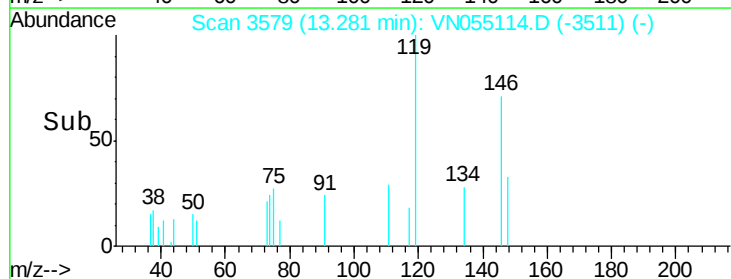
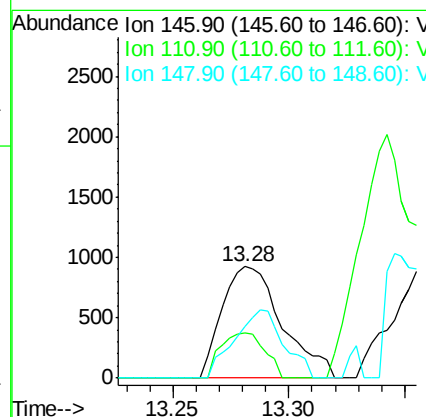
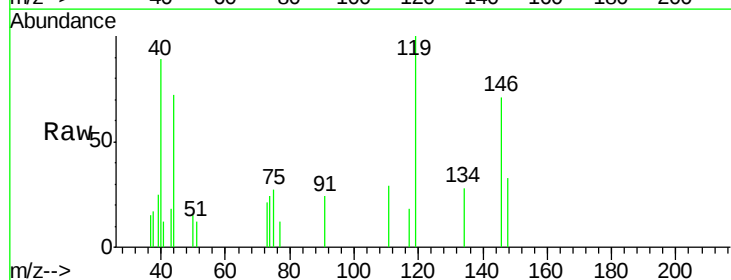
Instrument :
 MSVOA_N
 ClientSampled :

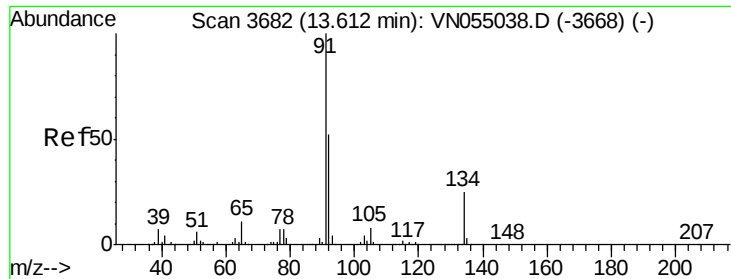
Tot Ion:146 Resp: 1663
 Ion Ratio Lower Upper
 146 100
 111 29.7 19.5 58.5
 148 50.1 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 0.238 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055114.D
 Acq: 18 Apr 2019 9:48

Tgt Ion:146 Resp: 1663
 Ion Ratio Lower Upper
 146 100
 111 29.7 18.8 56.4
 148 50.1 32.4 97.2

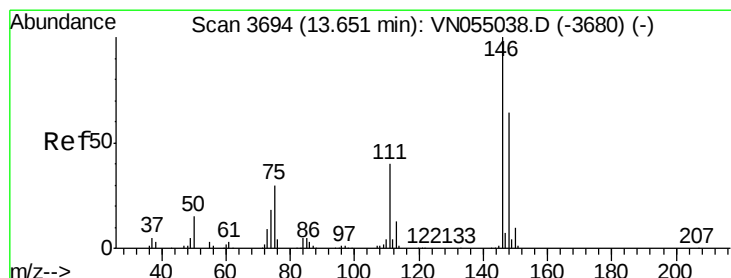
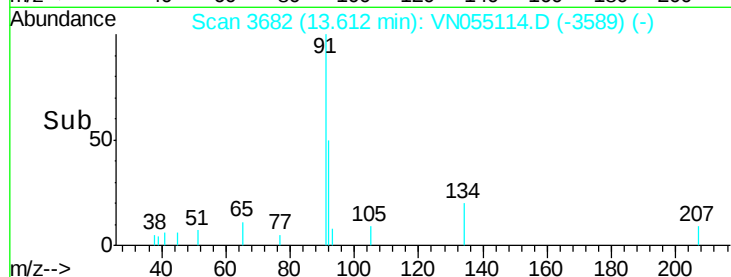
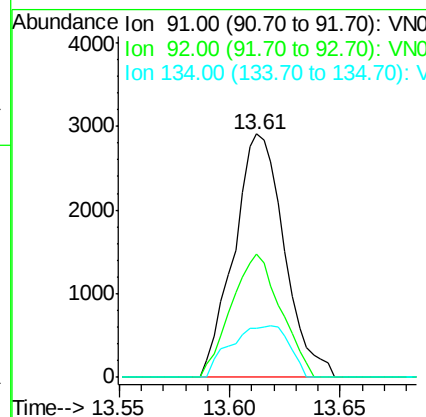
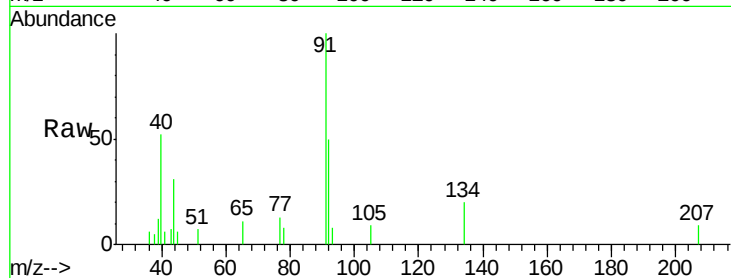




#89
n-Butylbenzene
Concen: 0.429 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055114.D
Acq: 18 Apr 2019 9:48

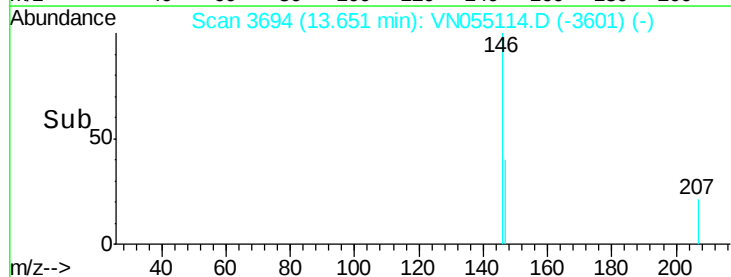
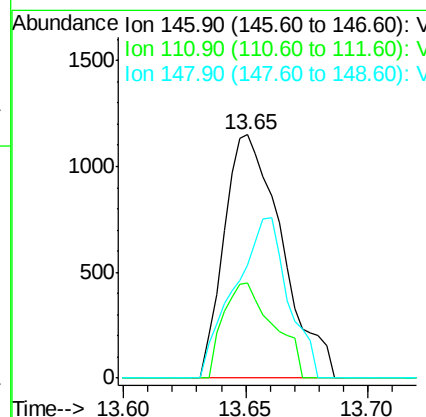
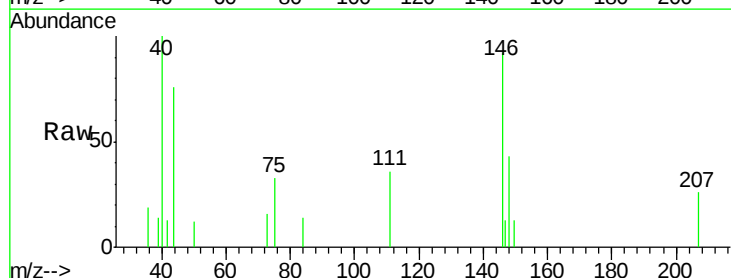
Instrument :
MSVOA_N
ClientSampleId :

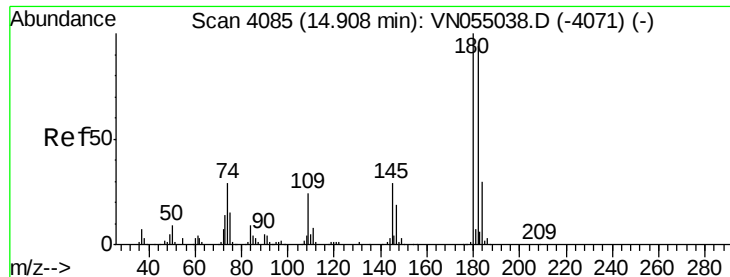
Tot Ion: 91 Resp: 4588
Ion Ratio Lower Upper
91 100
92 49.5 25.9 77.7
134 24.5 12.8 38.3



#91
1,2-Dichlorobenzene
Concen: 0.256 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055114.D
Acq: 18 Apr 2019 9:48

Tgt Ion: 146 Resp: 1891
Ion Ratio Lower Upper
146 100
111 34.1 20.3 60.9
148 60.5 32.2 96.6

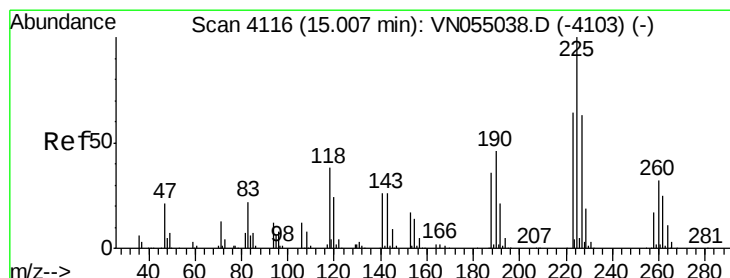
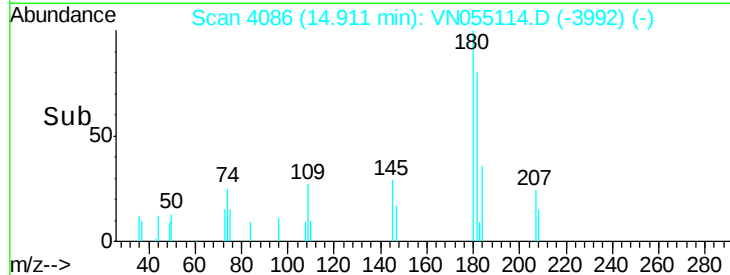
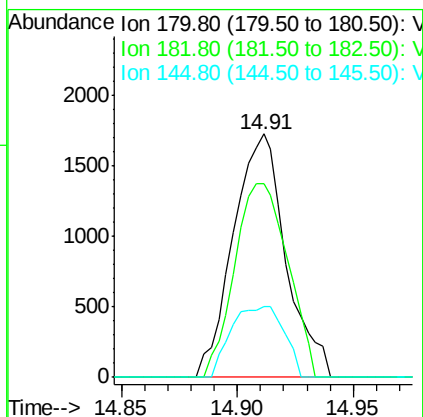
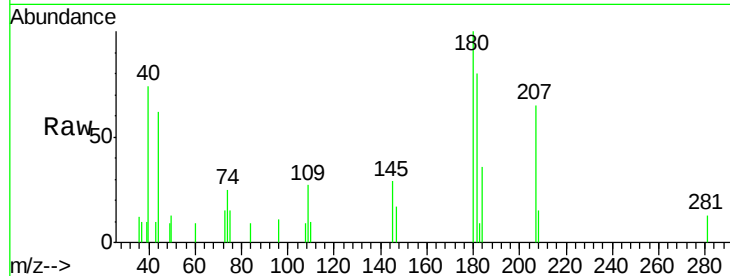




#93
 1,2,4-Trichlorobenzene
 Concen: 3.447 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055114.D
 Acq: 18 Apr 2019 9:48

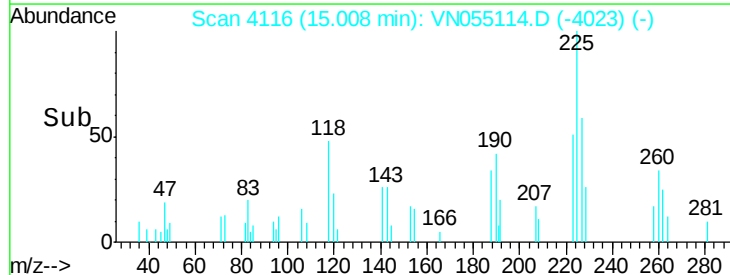
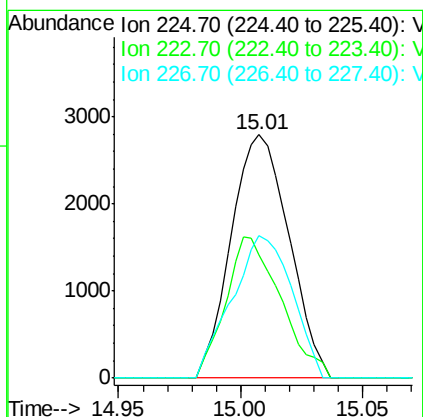
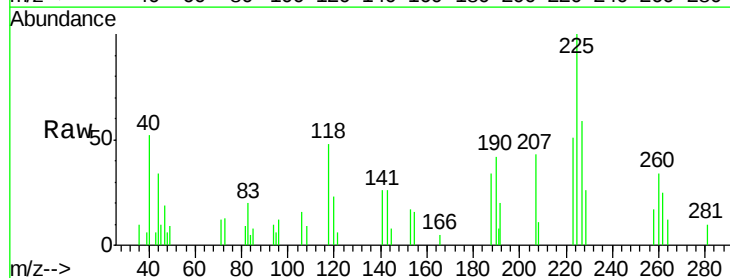
Instrument :
 MSVOA_N
 ClientSampleId :

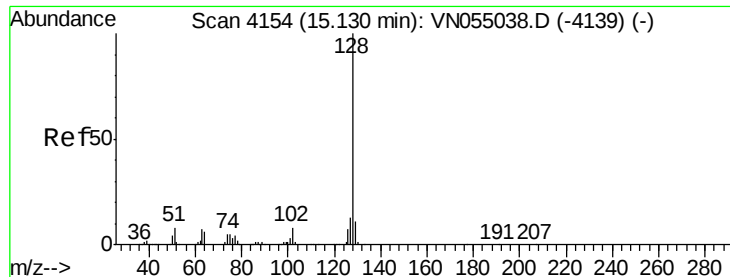
Tot Ion:180 Resp: 2720
 Ion Ratio Lower Upper
 180 100
 182 80.3 47.5 142.6
 145 29.2 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 2.016 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055114.D
 Acq: 18 Apr 2019 9:48

Tgt Ion:225 Resp: 4594
 Ion Ratio Lower Upper
 225 100
 223 55.3 31.4 94.0
 227 60.9 32.6 97.7





#95

Naphthalene

Concen: 3.660 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

Instrument :

MSVOA_N

ClientSampleId :

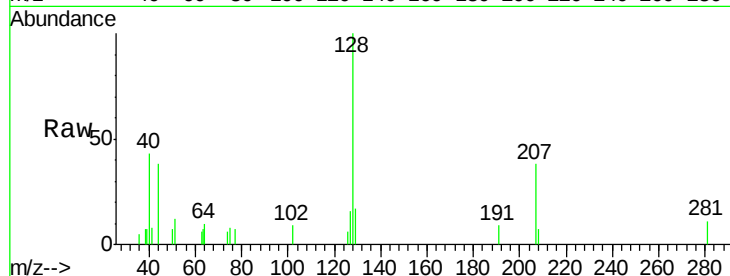
Tot Ion:128 Resp: 4840

Ion Ratio Lower Upper

128 100

127 14.7 10.1 15.1

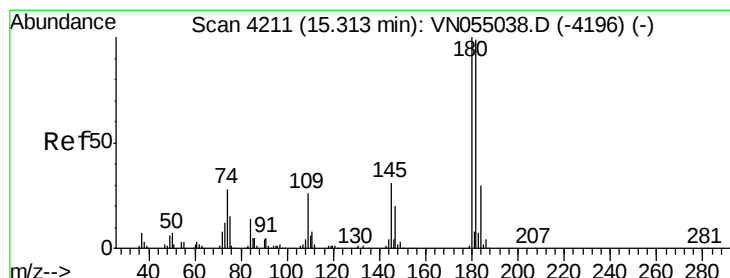
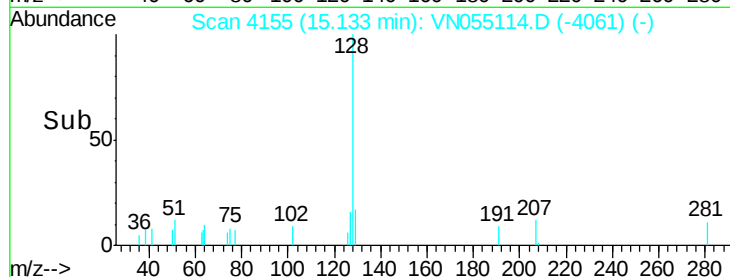
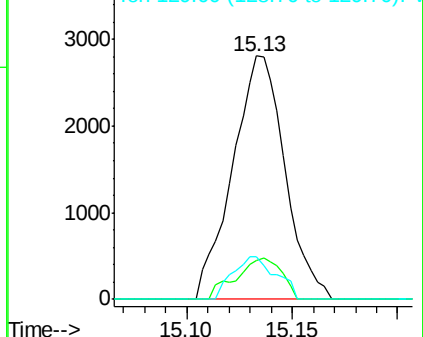
129 14.4 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.173 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055114.D

Acq: 18 Apr 2019 9:48

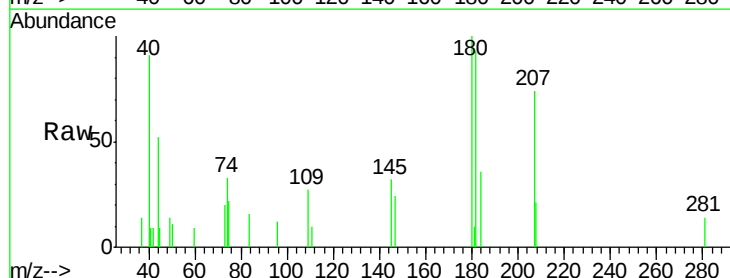
Tgt Ion:180 Resp: 3338

Ion Ratio Lower Upper

180 100

182 107.0 48.0 144.0

145 22.7 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

