

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055099.D
 Acq On : 17 Apr 2019 12:12
 Operator : JC/SP
 Sample : K2197-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 03:02:19 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

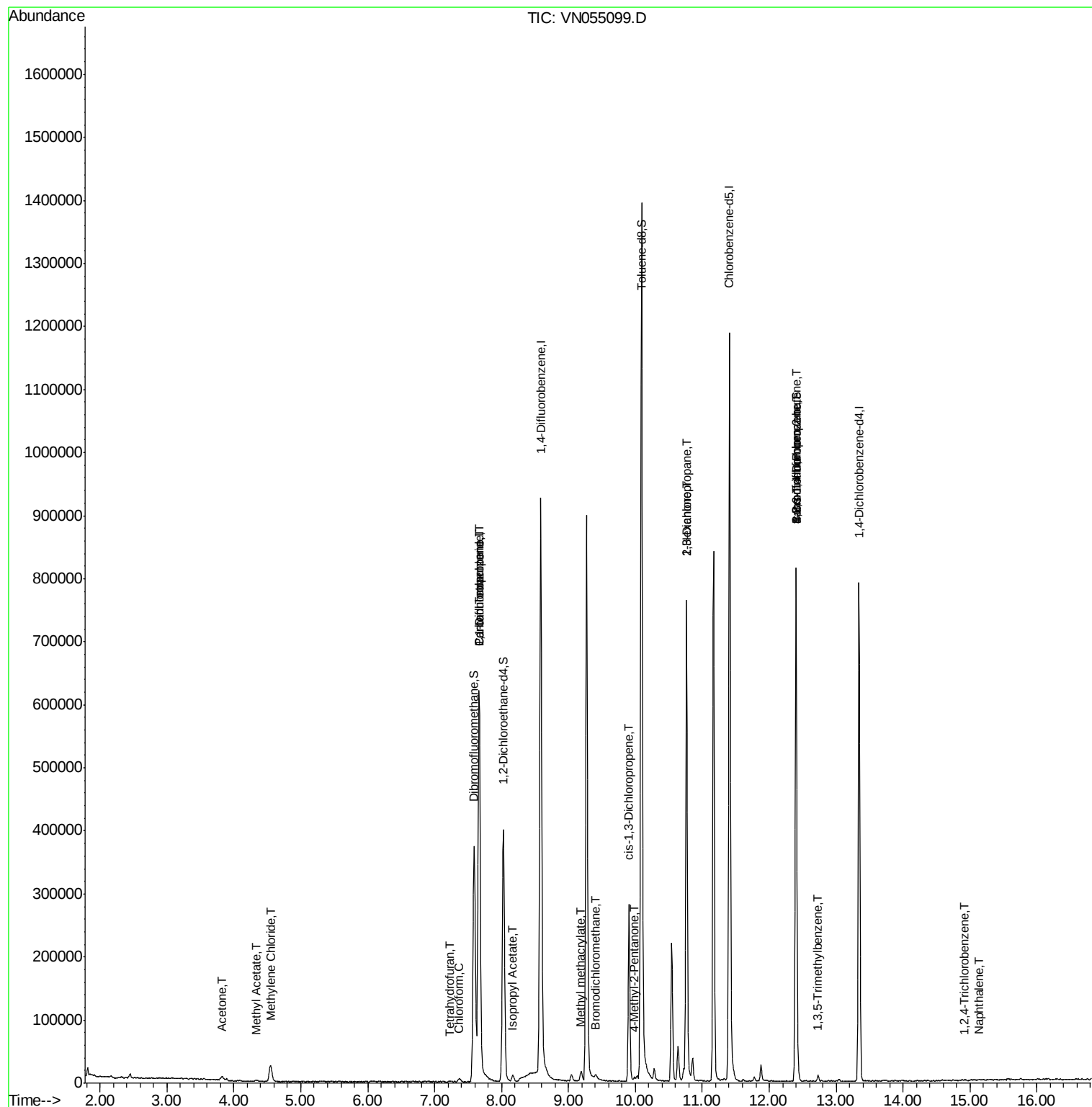
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	856446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211045	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	341039	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	278809	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1011642	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	286378	43.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.00%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	9184	4.756	ug/l	93
18) Methyl Acetate	4.34	43	4040	0.291	ug/l #	88
20) Methylene Chloride	4.55	84	17141	2.525	ug/l	96
29) Tetrahydrofuran	7.23	42	1008	0.533	ug/l #	39
30) Chloroform	7.37	83	5977	0.541	ug/l	99
31) Cyclohexane	7.66	56	10629	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	39758	4.924	ug/l #	49
38) Carbon Tetrachloride	7.67	117	48705	6.341	ug/l #	17
43) Isopropyl Acetate	8.17	43	12069	1.192	ug/l	98
47) Bromodichloromethane	9.40	83	1834	0.230	ug/l #	96
48) Methyl methacrylate	9.18	41	5497	1.095	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	3709	0.634	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	44991	5.209	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	7641	0.836	ug/l #	43
59) 2-Hexanone	10.76	43	122776	33.408	ug/l #	53
71) Bromoform	12.39	173	673	0.225	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	144632	38.110	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4670	0.309	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	144632	152.397	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	111	2.710	ug/l #	20
95) Naphthalene	15.13	128	2009	3.329	ug/l #	78

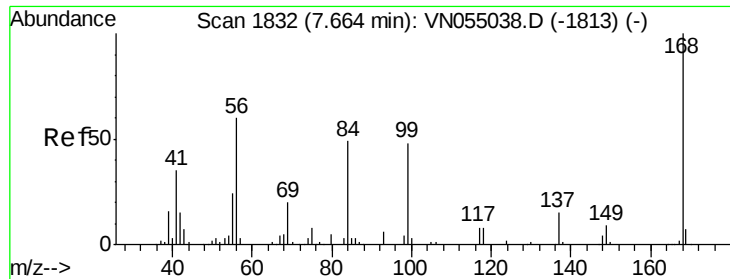
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1832

Delta R.T. 0.00 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

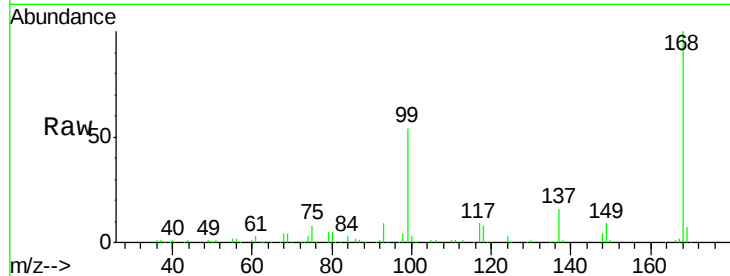
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 535275

Ion Ratio Lower Upper

168 100

99 54.0 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

250000

200000

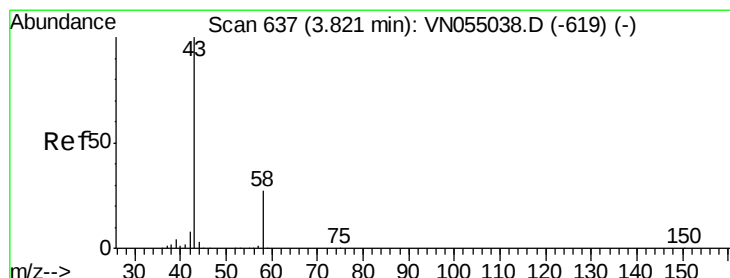
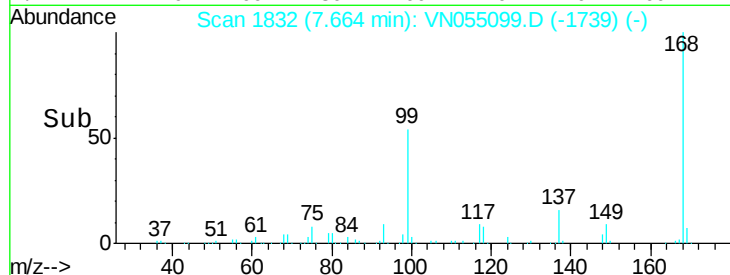
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.756 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055099.D

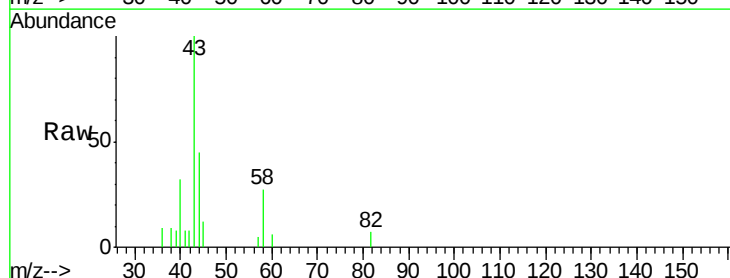
Acq: 17 Apr 2019 12:12

Tgt Ion: 43 Resp: 9184

Ion Ratio Lower Upper

43 100

58 29.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-619) (-)

3.82

4000

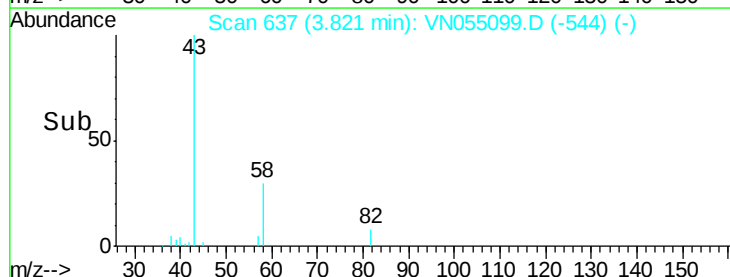
3000

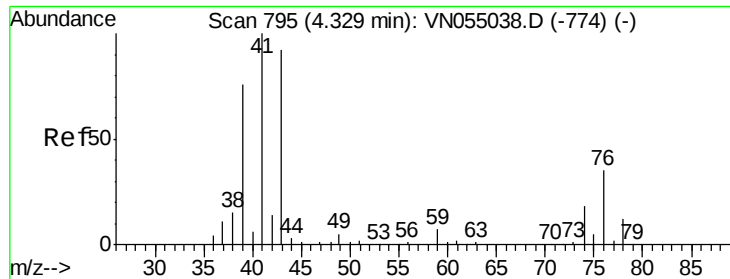
2000

1000

0

Time-->

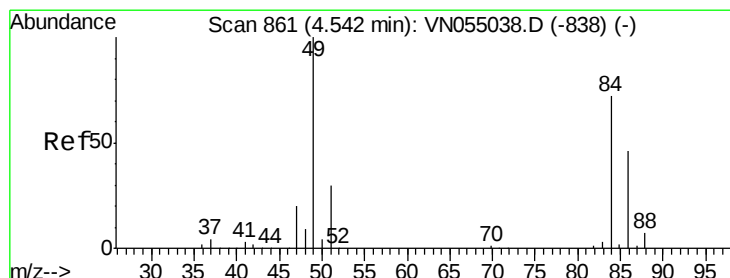
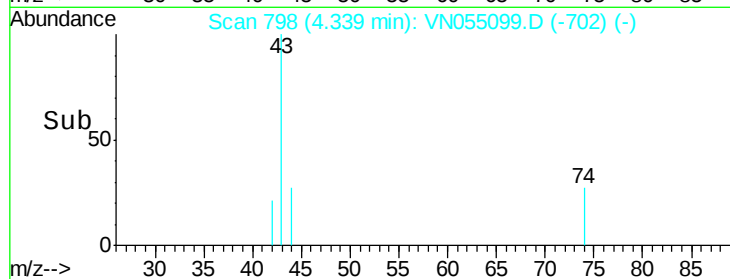
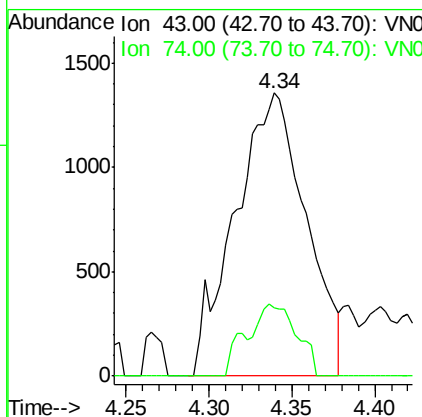
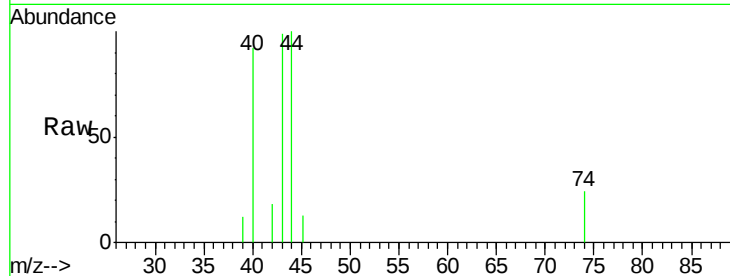




#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

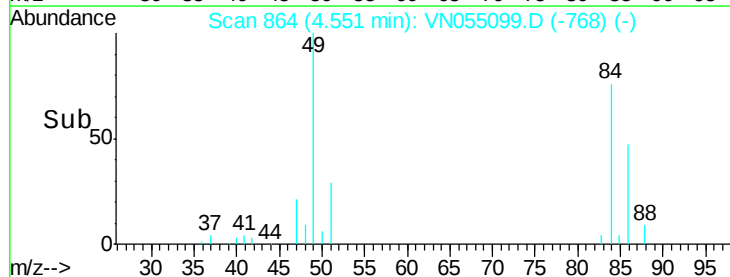
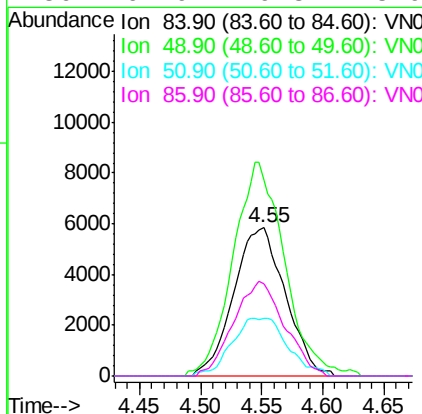
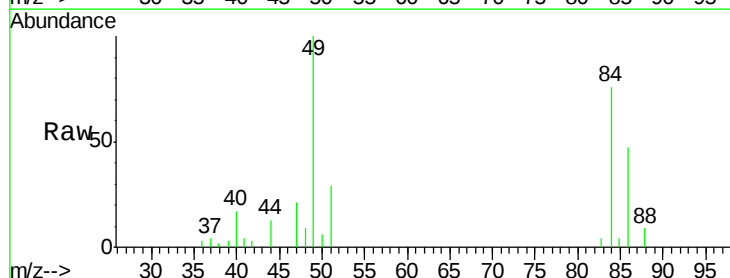
Instrument :
MSVOA_N
ClientSampled :

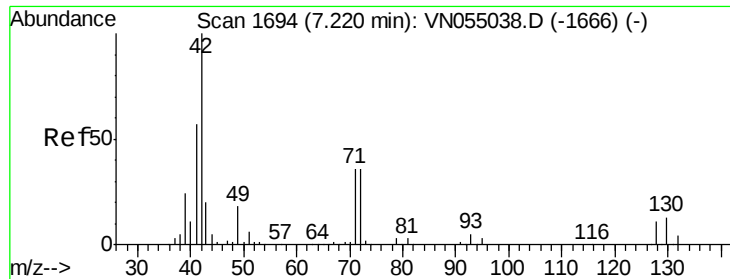
Tot Ion: 43 Resp: 4040
Ion Ratio Lower Upper
43 100
74 14.4 16.1 24.1#



#20
Methylene Chloride
Concen: 2.525 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Tgt Ion: 84 Resp: 17141
Ion Ratio Lower Upper
84 100
49 129.1 109.4 164.2
51 38.6 32.2 48.4
86 61.9 49.3 73.9

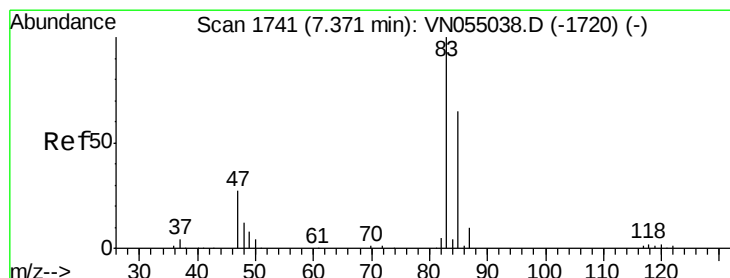
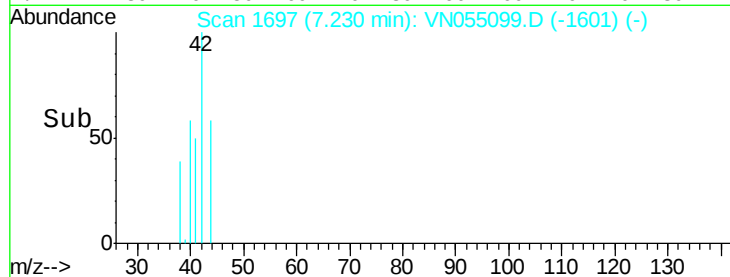
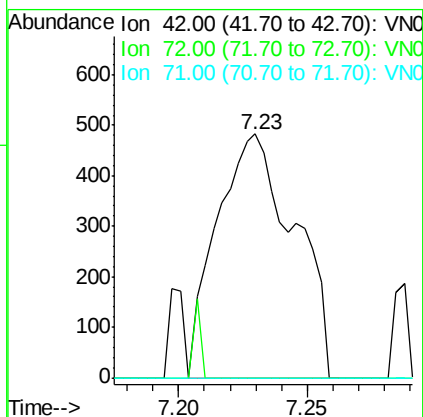
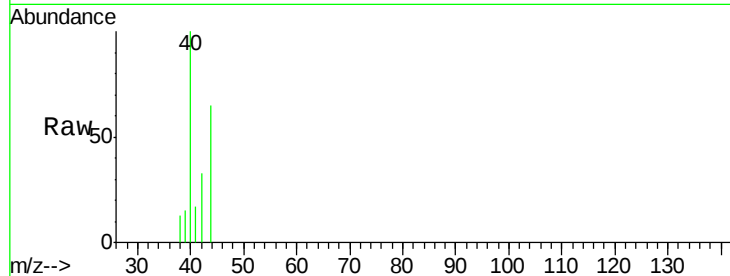




#29
Tetrahydrofuran
Concen: 0.533 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

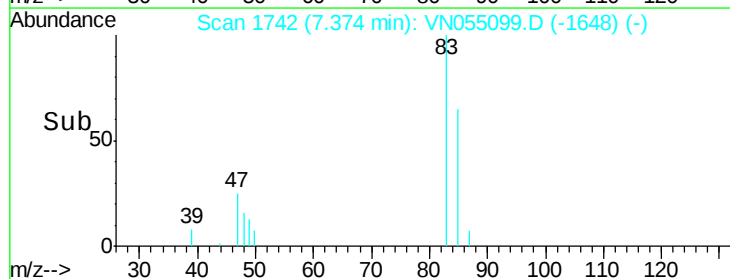
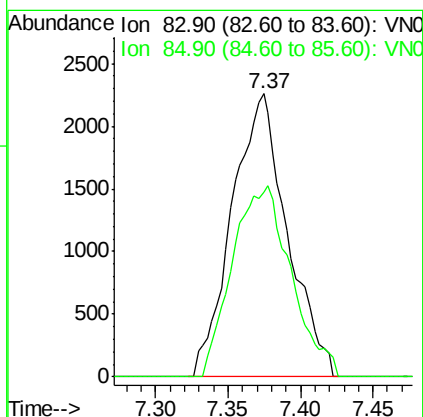
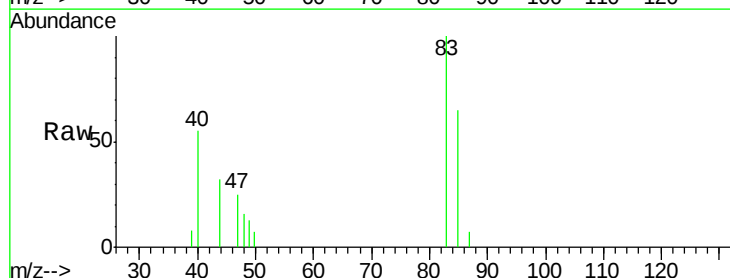
Instrument :
MSVOA_N
ClientSampleId :

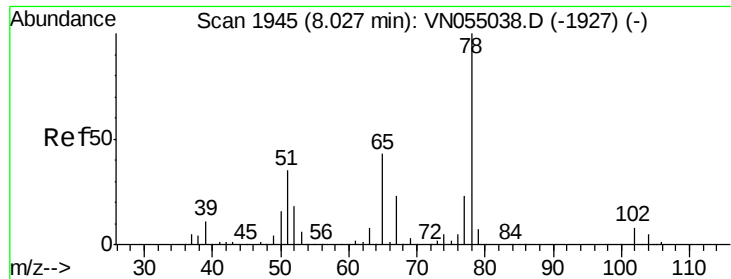
Tot Ion: 42 Resp: 1008
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.0#
71 0.0 27.8 41.6#



#30
Chloroform
Concen: 0.541 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Tgt Ion: 83 Resp: 5977
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6

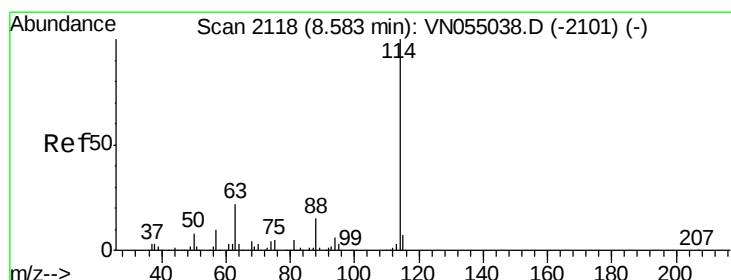
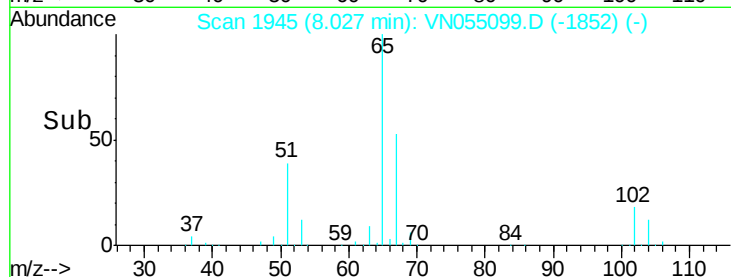
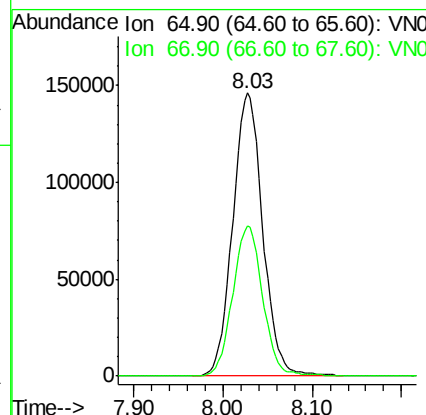
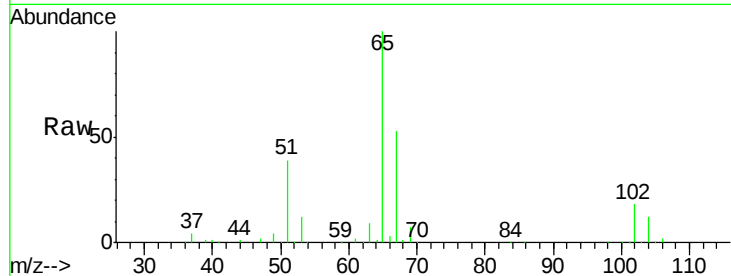




#33
 1,2-Dichloroethane-d4
 Concen: 47.931 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055099.D
 Acq: 17 Apr 2019 12:12

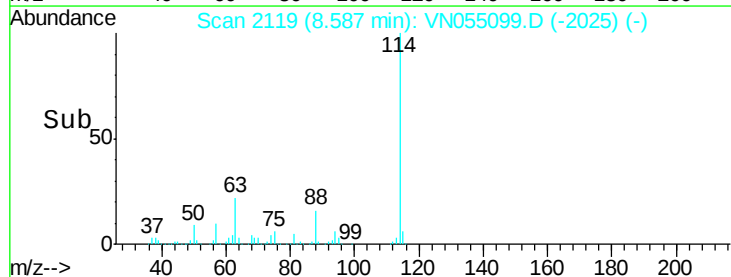
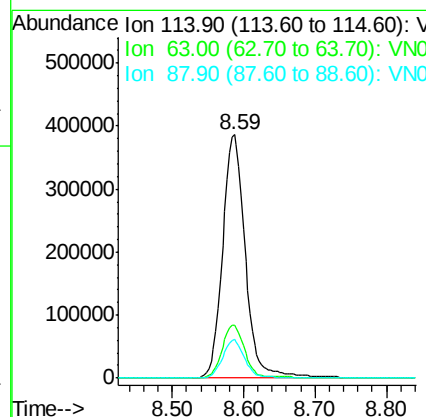
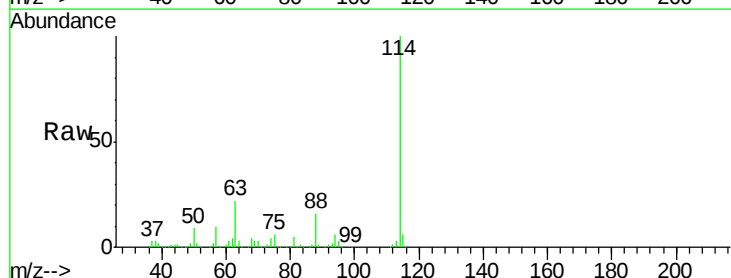
Instrument :
 MSVOA_N
 ClientSampleId :

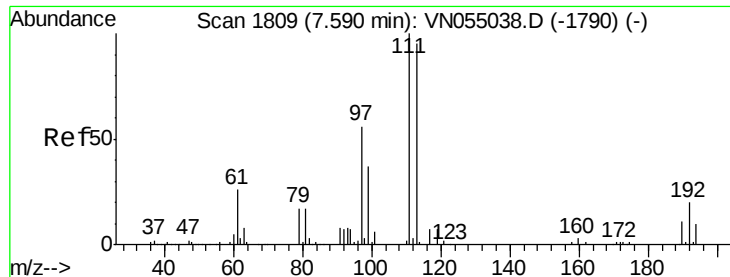
Tot Ion: 65 Resp: 341039
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055099.D
 Acq: 17 Apr 2019 12:12

Tgt Ion: 114 Resp: 856446
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.2
 88 15.8 0.0 31.8

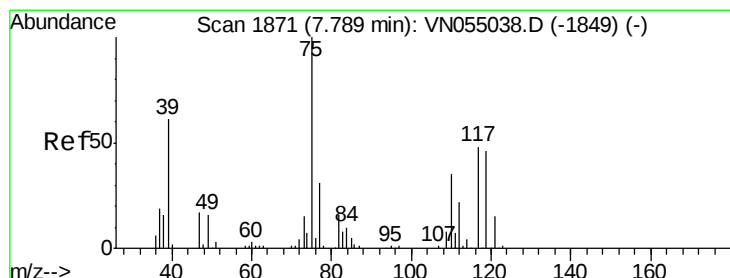
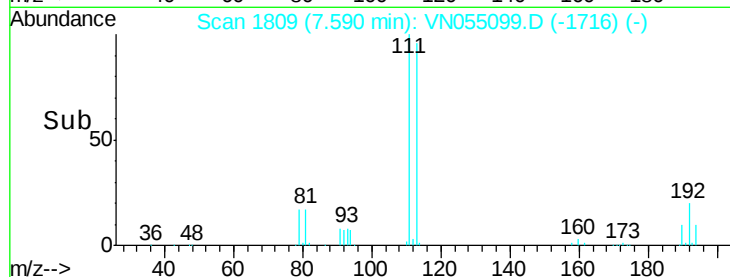
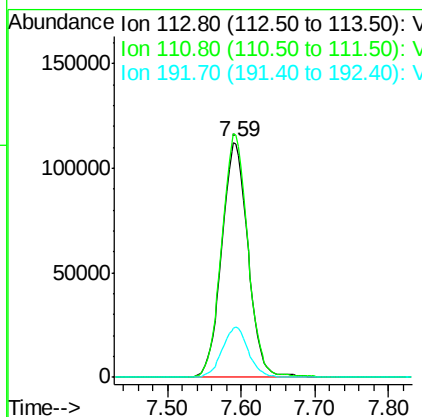
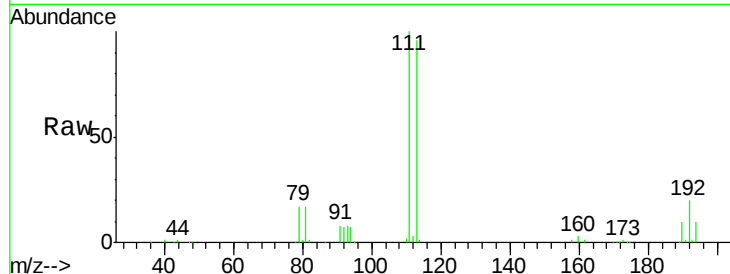




#35
 Dibromofluoromethane
 Concen: 48.711 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055099.D
 Acq: 17 Apr 2019 12:12

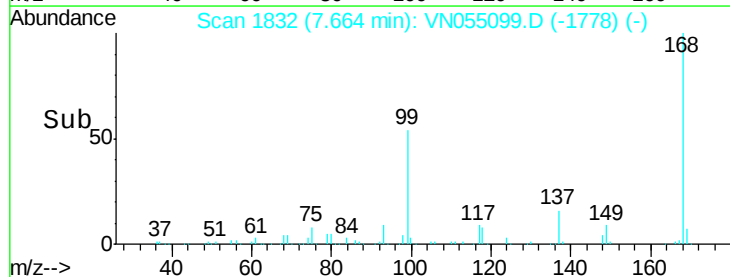
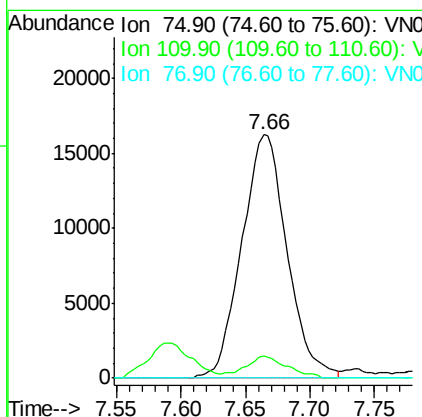
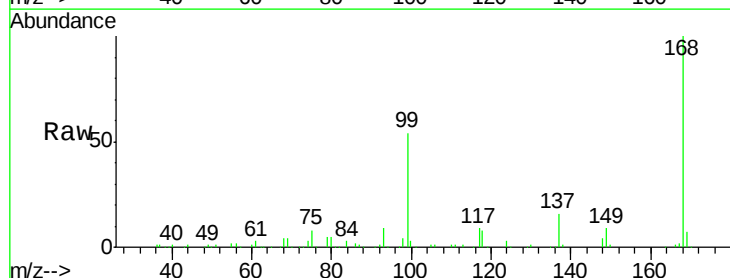
Instrument :
 MSVOA_N
 ClientSampleId :

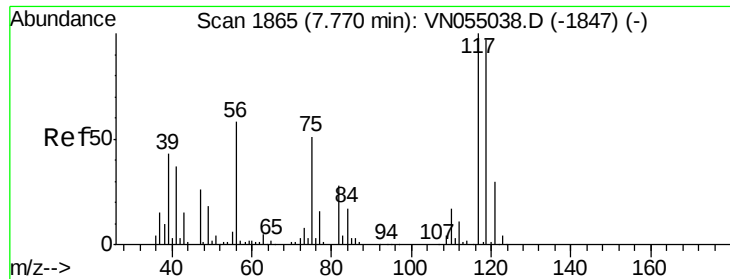
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.1	123.1
192	21.1	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055099.D
 Acq: 17 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.5	52.5#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.341 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

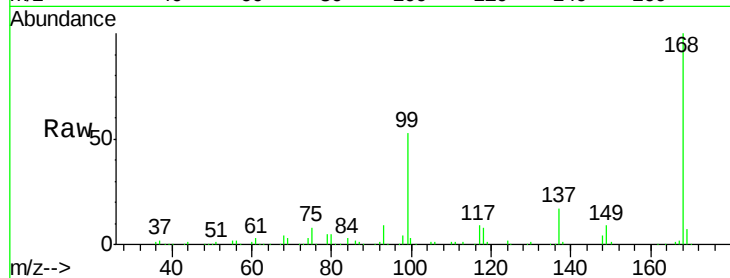
Tot Ion:117 Resp: 48705

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

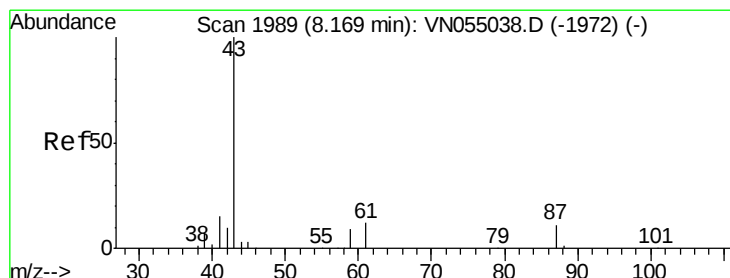
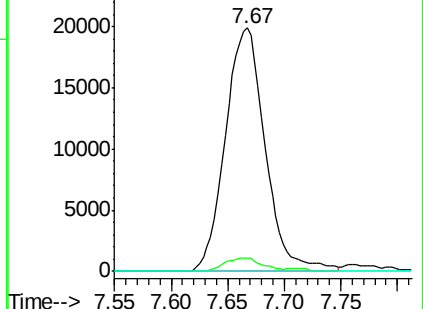
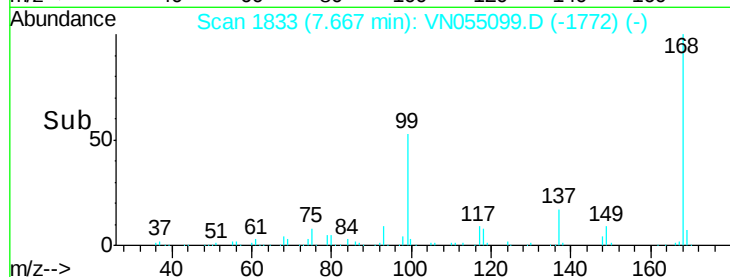
121 0.0 23.9 35.9#



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: 1.192 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

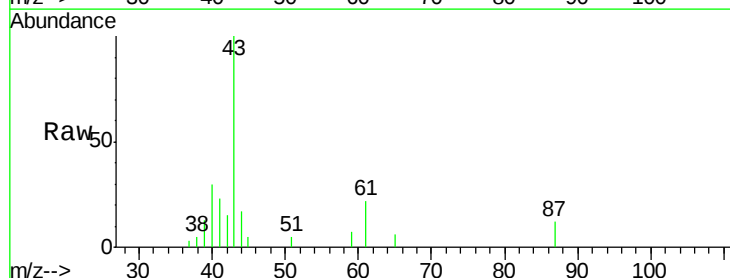
Tgt Ion: 43 Resp: 12069

Ion Ratio Lower Upper

43 100

61 18.4 14.3 21.5

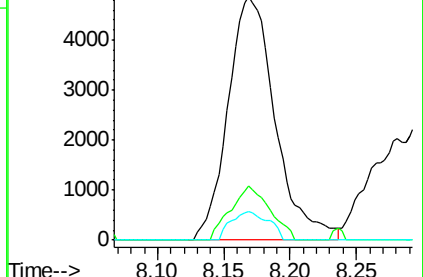
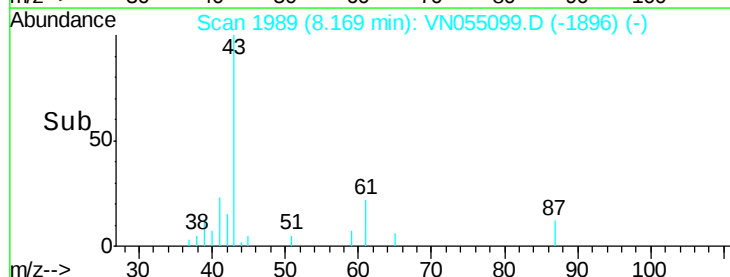
87 9.2 8.6 13.0

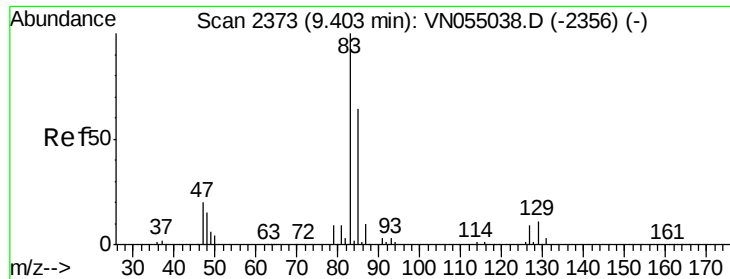


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.230 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :

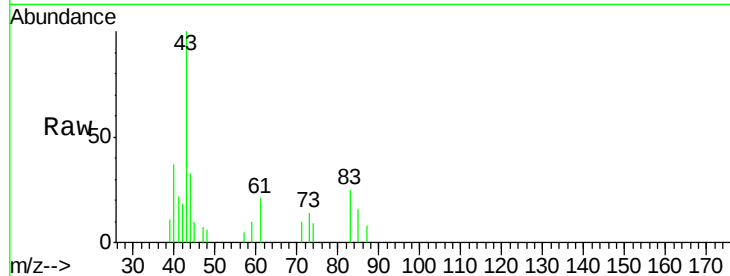
Tot Ion: 83 Resp: 1834

Ion Ratio Lower Upper

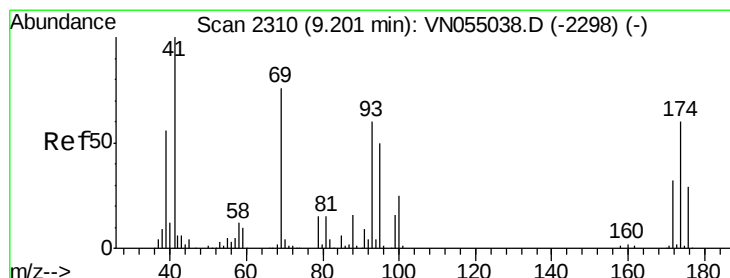
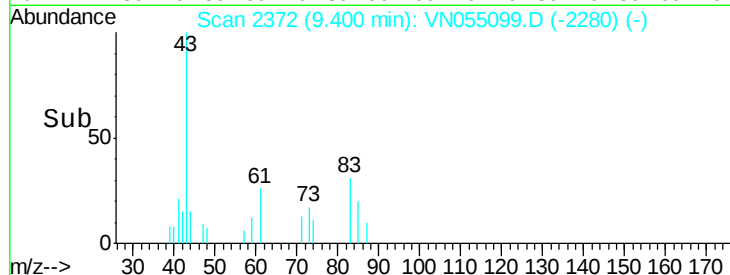
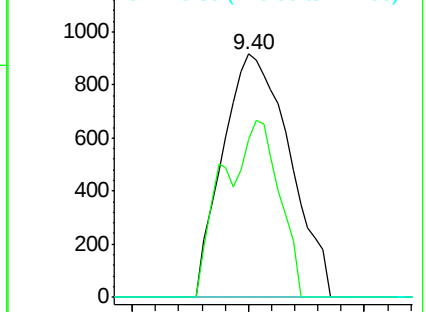
83 100

85 65.0 51.2 76.8

127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.095 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

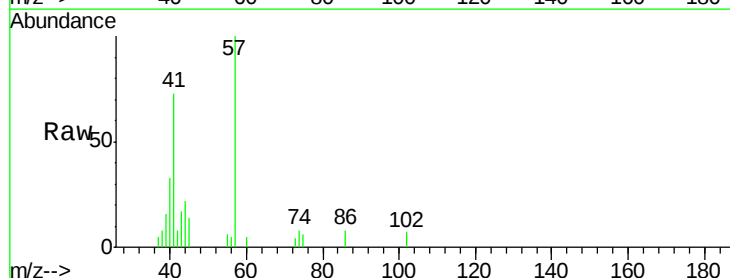
Tgt Ion: 41 Resp: 5497

Ion Ratio Lower Upper

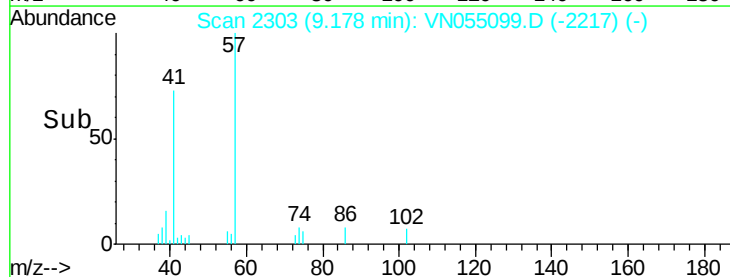
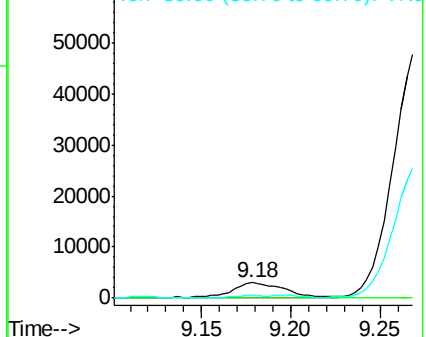
41 100

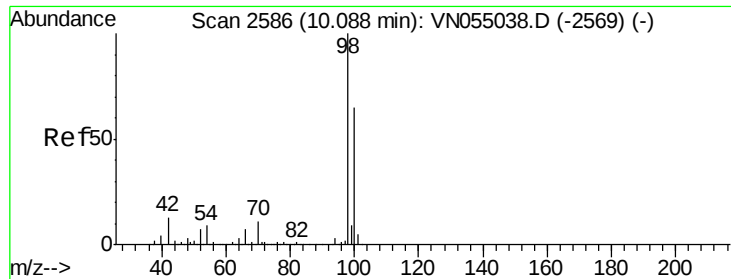
69 0.0 60.5 90.7#

39 0.0 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 49.383 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

Instrument :

MSVOA_N

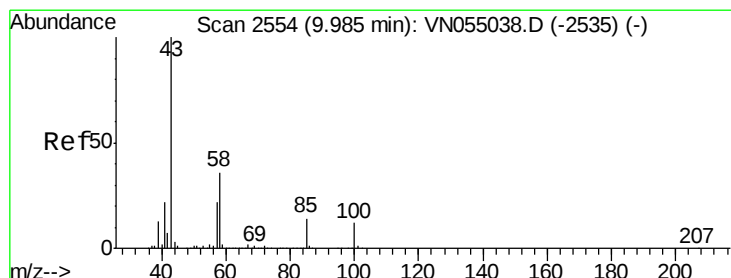
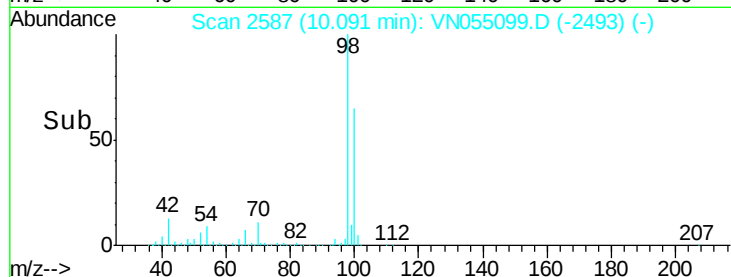
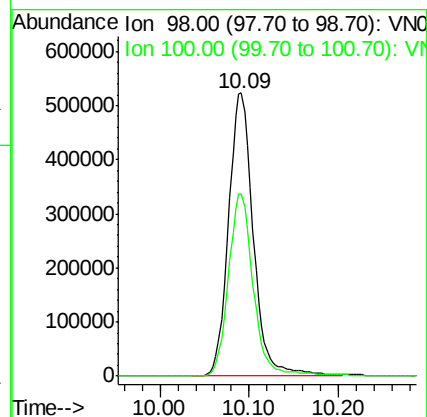
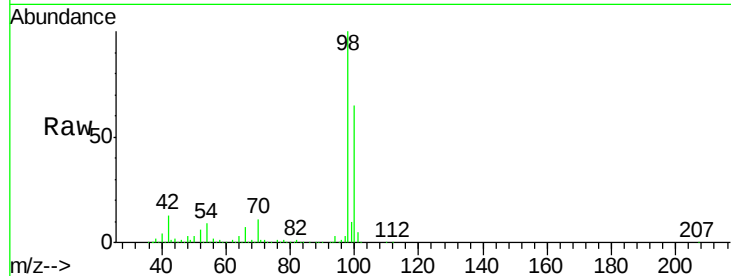
ClientSampled :

Tot Ion: 98 Resp: 1011642

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.634 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055099.D

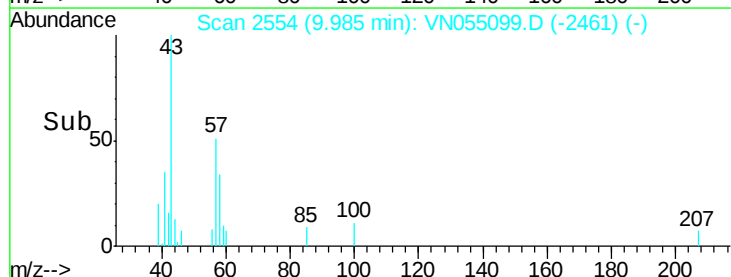
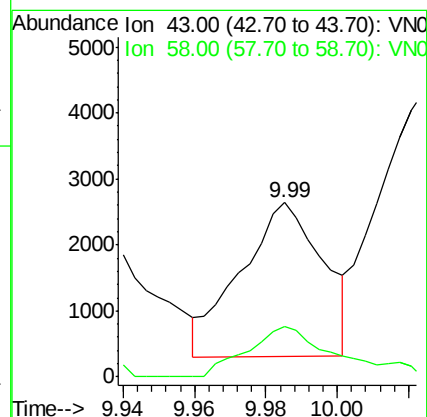
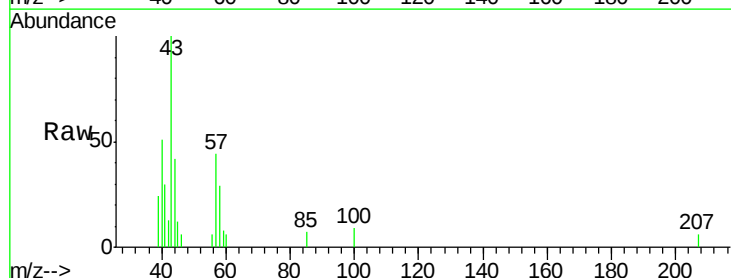
Acq: 17 Apr 2019 12:12

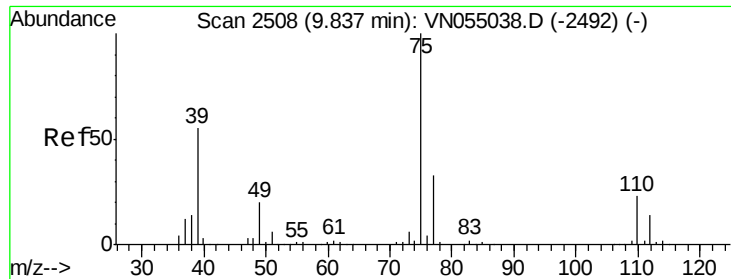
Tgt Ion: 43 Resp: 3709

Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.4



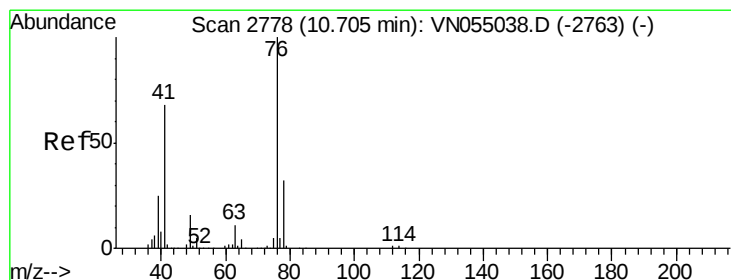
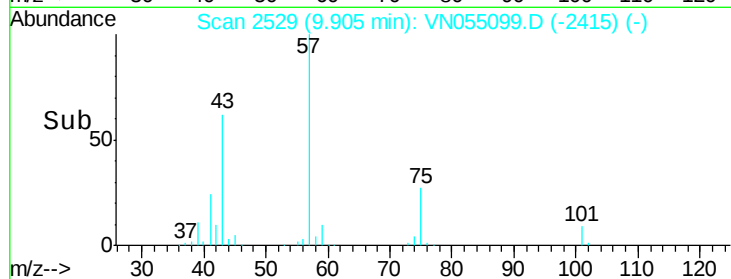
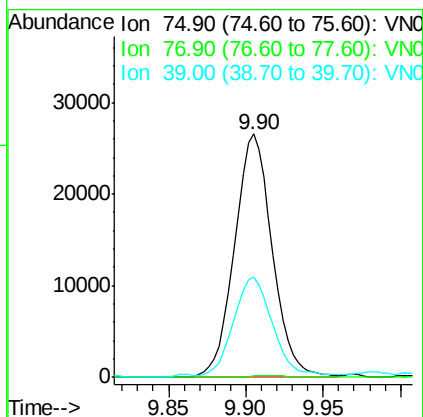
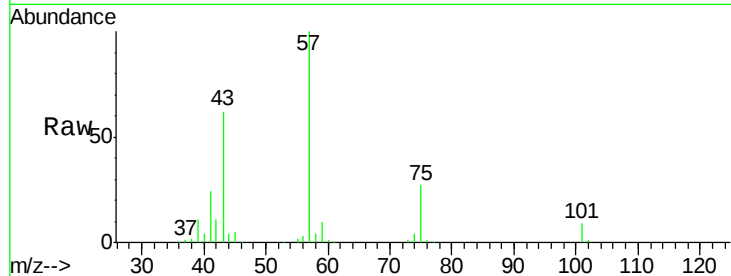


#54

cis-1,3-Dichloropropene
 Concen: 5.209 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN055099.D
 Acq: 17 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :

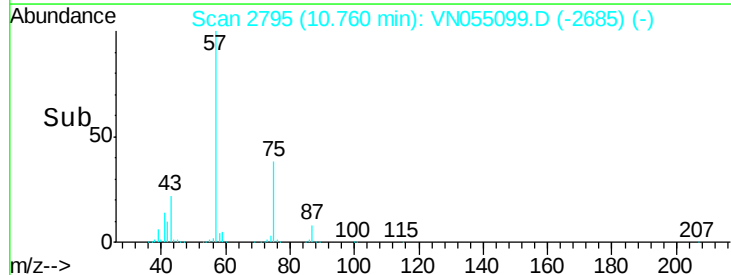
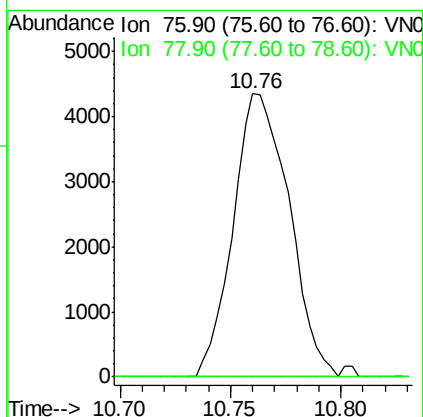
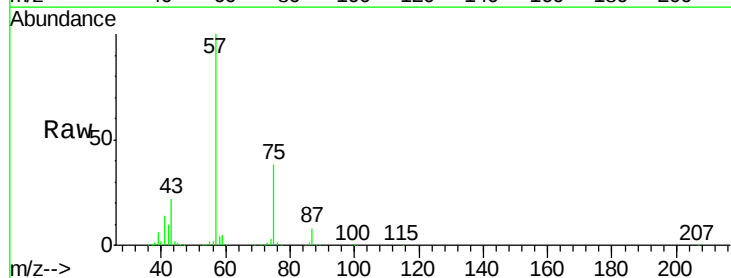
Tot Ion: 75 Resp: 44991
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.6#
 39 40.3 43.8 65.8#

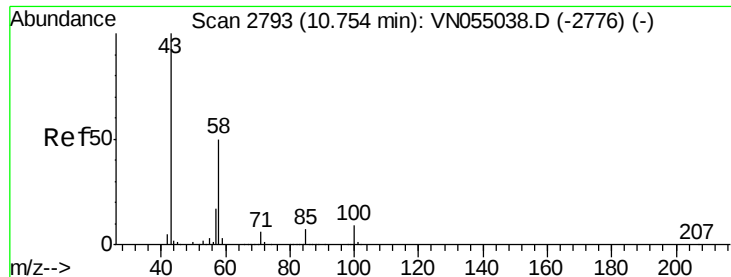


#57

1,3-Dichloropropane
 Concen: 0.836 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.05 min
 Lab File: VN055099.D
 Acq: 17 Apr 2019 12:12

Tgt Ion: 76 Resp: 7641
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

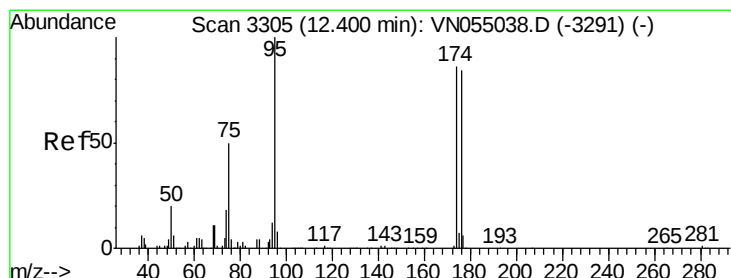
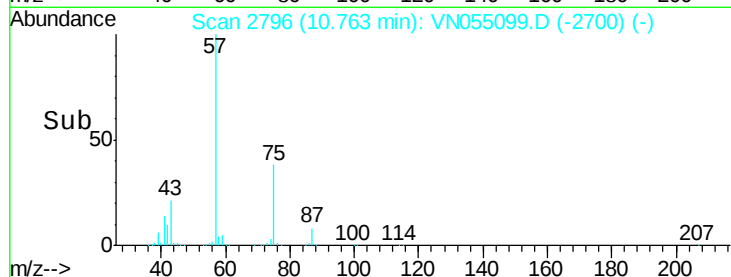
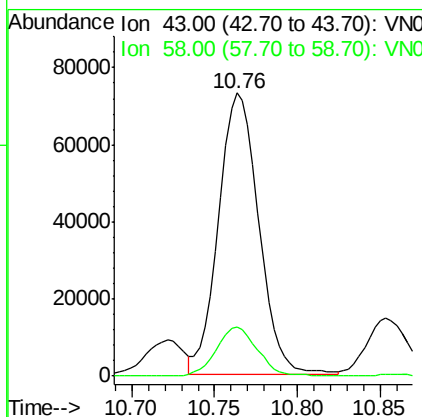
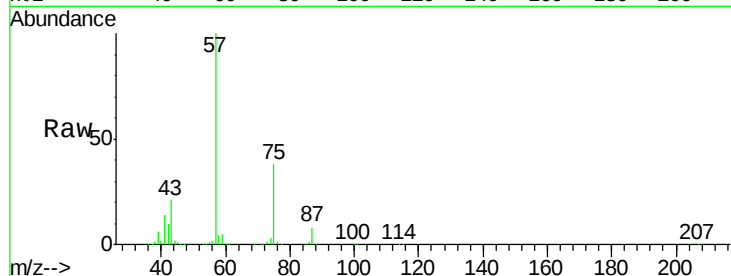




#59
2-Hexanone
Concen: 33.408 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

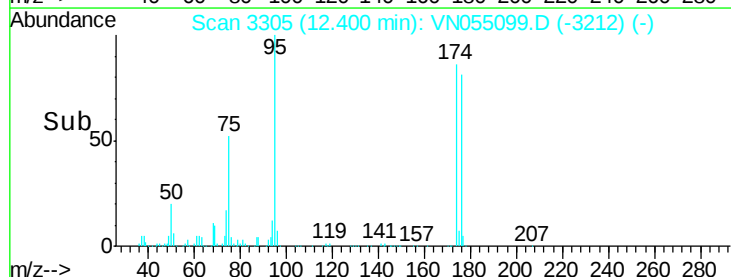
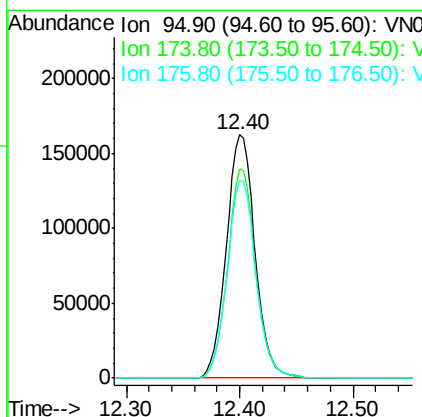
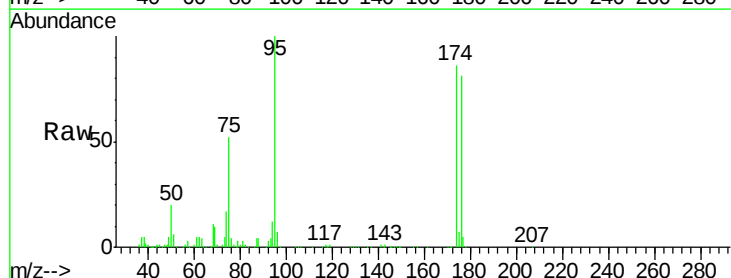
Instrument :
MSVOA_N
ClientSampled :

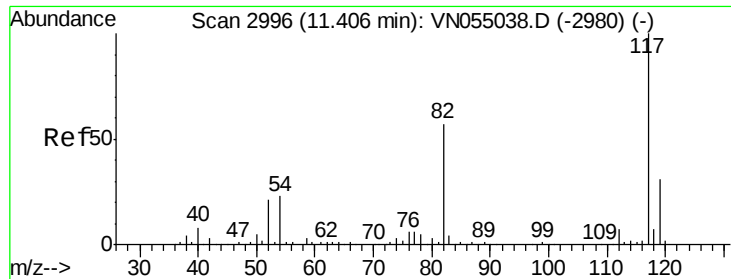
Tot Ion: 43 Resp: 122776
Ion Ratio Lower Upper
43 100
58 17.9 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 43.001 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Tgt Ion: 95 Resp: 286378
Ion Ratio Lower Upper
95 100
174 84.1 0.0 174.4
176 81.6 0.0 166.8

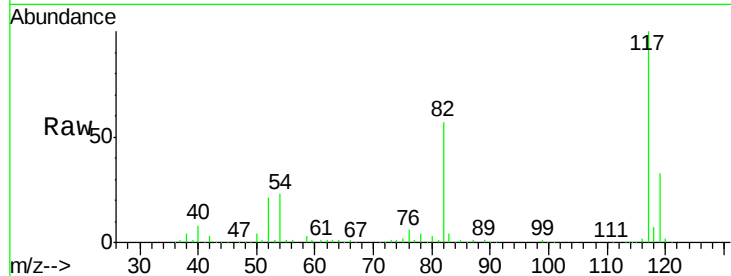




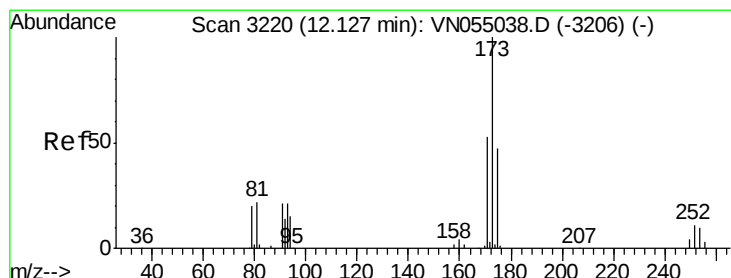
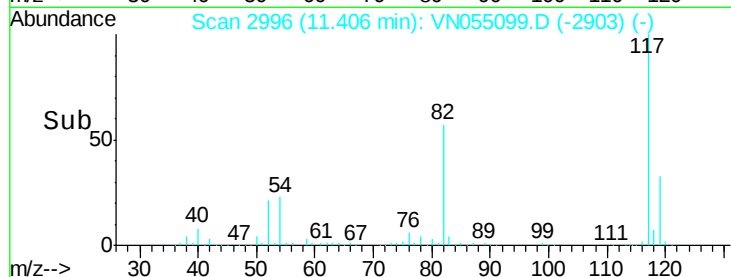
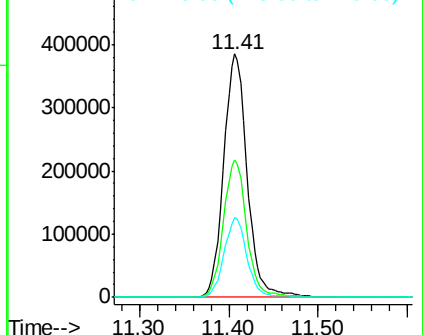
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 703442
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 32.6 25.5 38.3

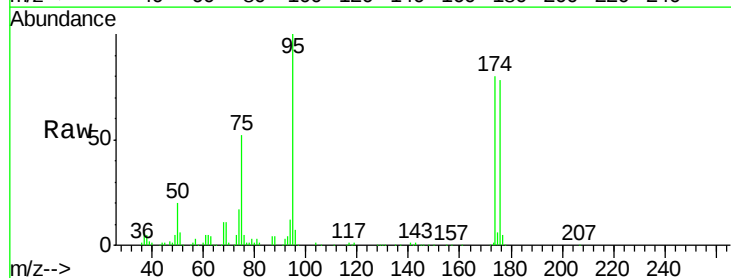


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

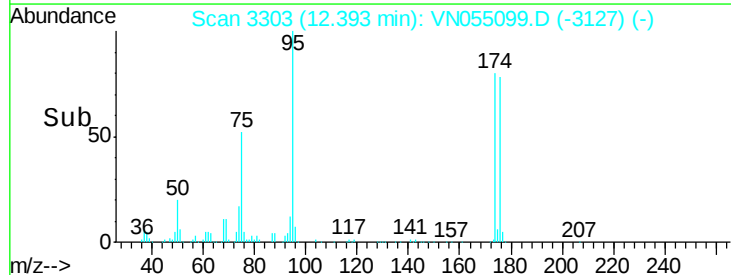
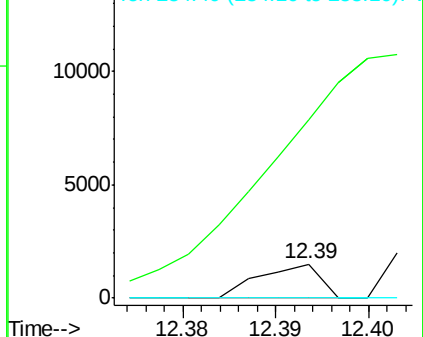


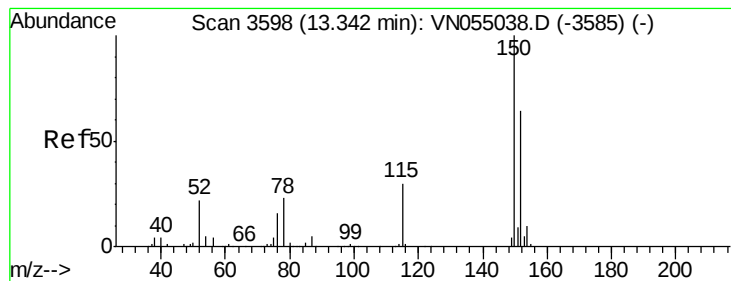
#71
Bromoform
Concen: 0.225 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Tgt Ion:173 Resp: 673
Ion Ratio Lower Upper
173 100
175 0.0 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



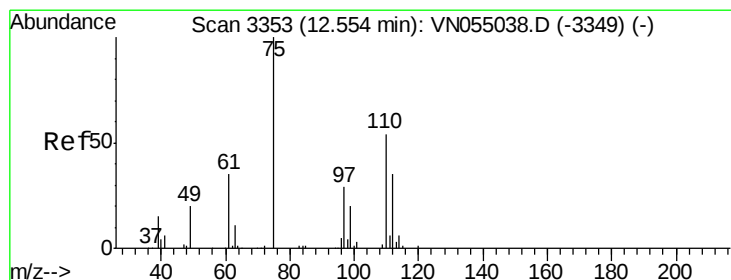
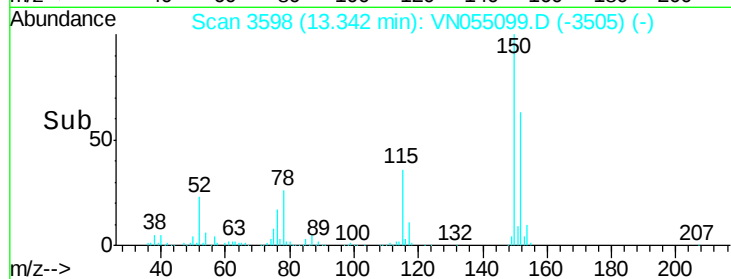
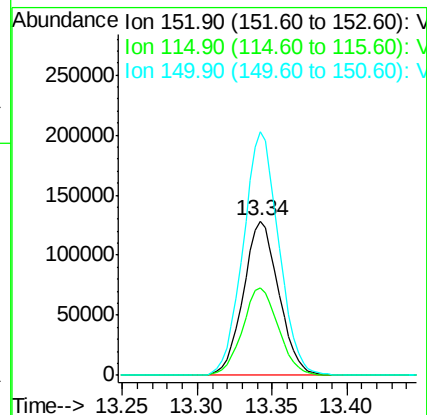
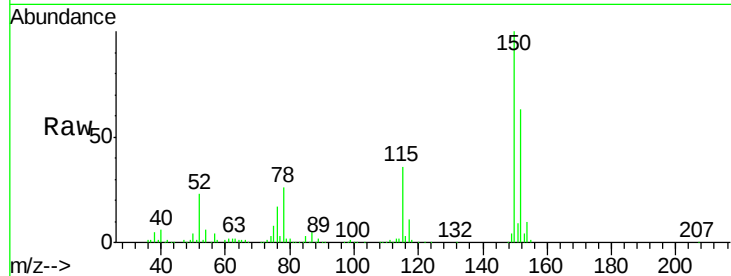


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :

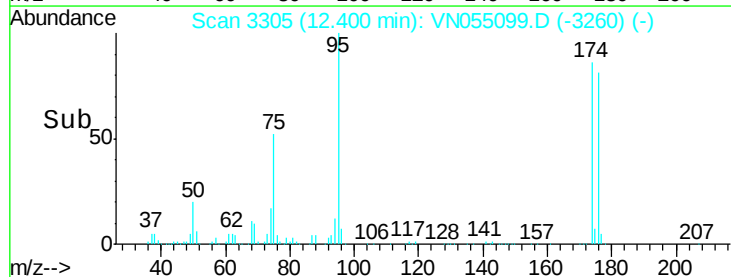
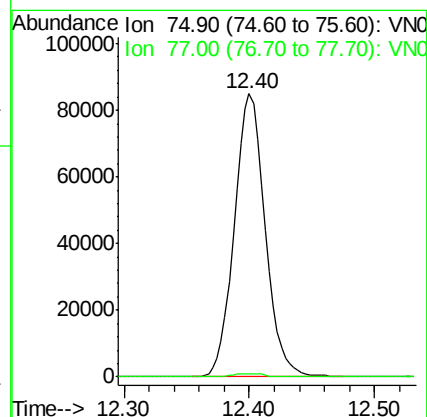
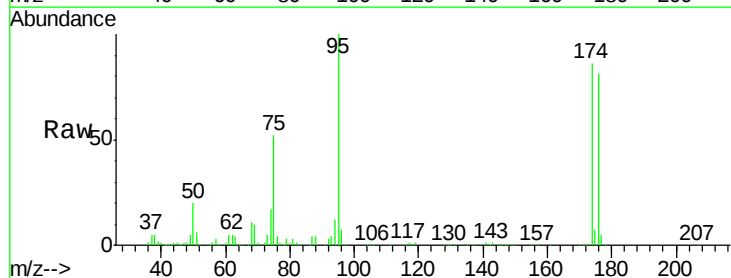
Tot Ion:152 Resp: 211045
Ion Ratio Lower Upper
152 100
115 57.7 28.5 85.6
150 159.1 0.0 347.2

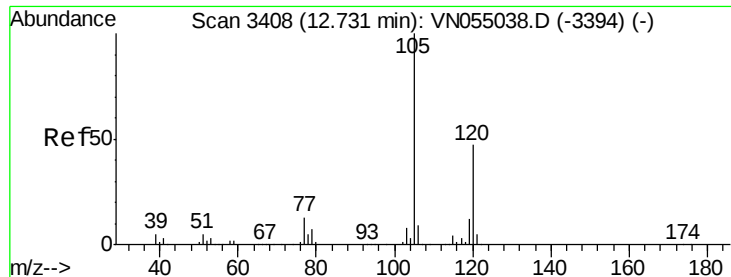


#76

1,2,3-Trichloropropane
Concen: 38.110 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055099.D
Acq: 17 Apr 2019 12:12

Tgt Ion: 75 Resp: 144632
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.309 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

Instrument :

MSVOA_N

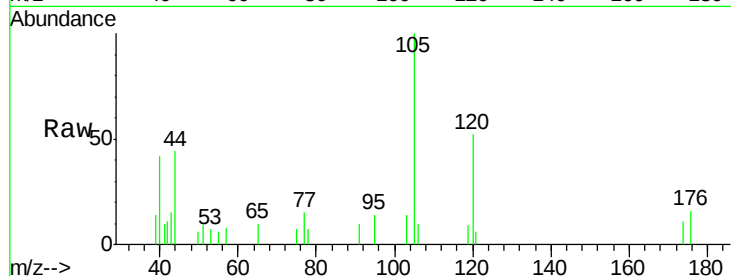
ClientSampleId :

Tot Ion:105 Resp: 4670

Ion Ratio Lower Upper

105 100

120 51.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

2500

2000

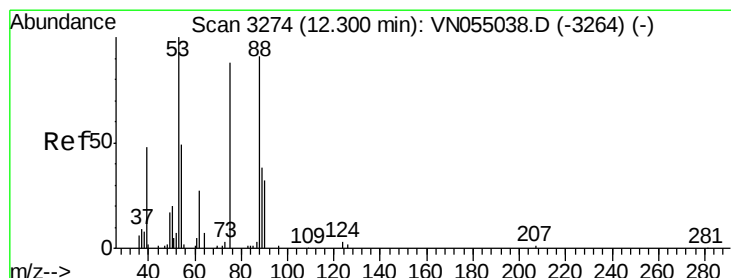
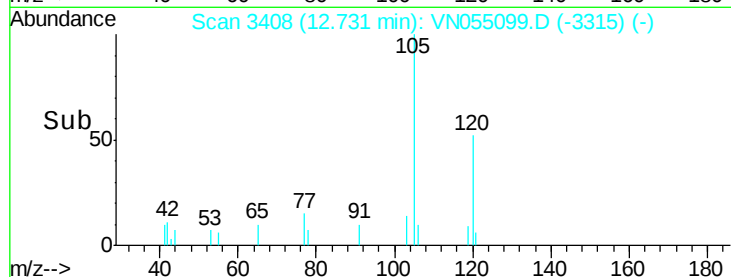
1500

1000

500

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 152.397 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

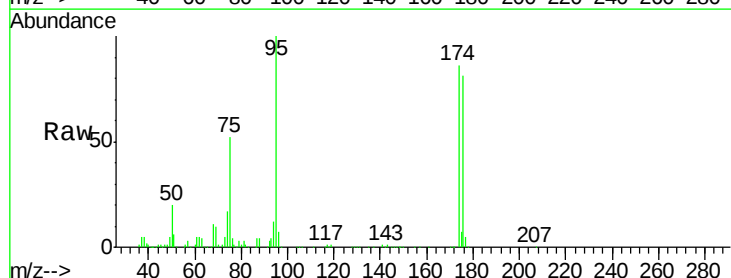
Tgt Ion: 75 Resp: 144632

Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

100000

80000

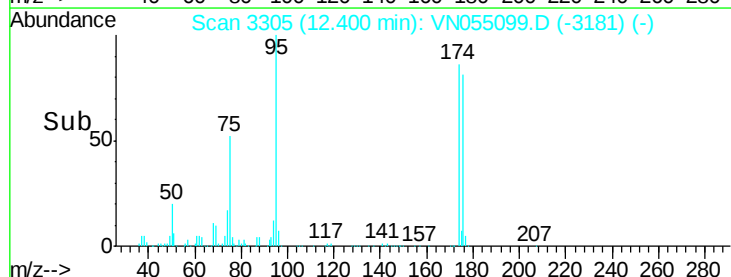
60000

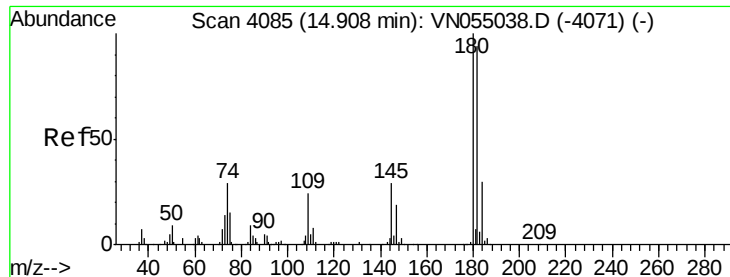
40000

20000

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 2.710 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

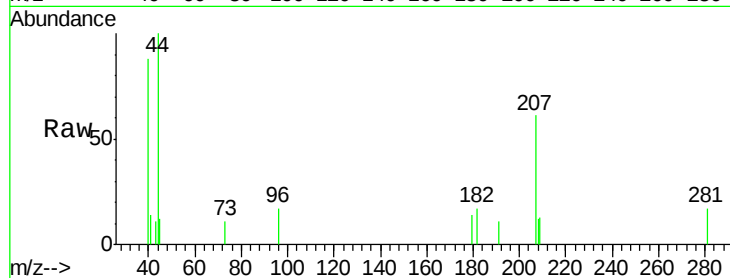
Tot Ion:180 Resp: 111

Ion Ratio Lower Upper

180 100

182 181.1 47.5 142.6#

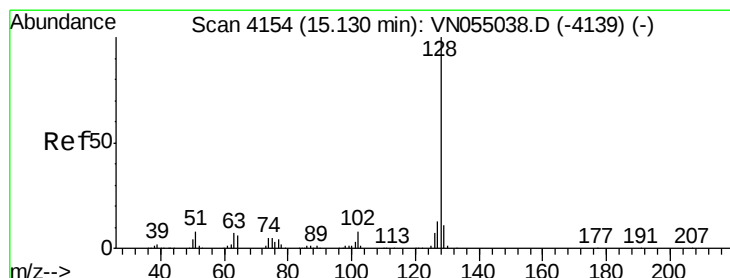
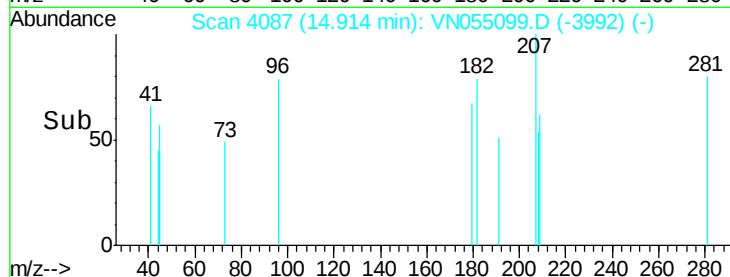
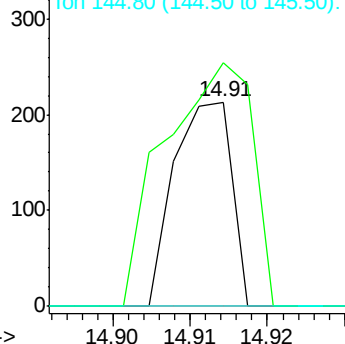
145 0.0 14.2 42.8#



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: 3.329 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055099.D

Acq: 17 Apr 2019 12:12

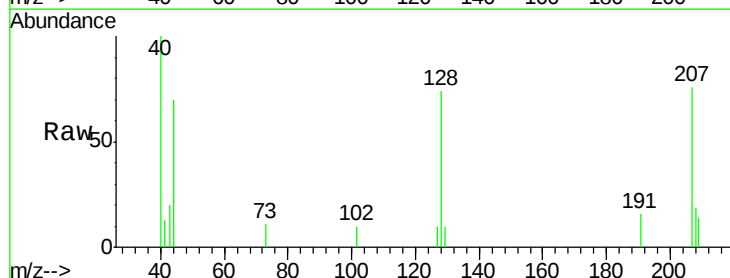
Tgt Ion:128 Resp: 2009

Ion Ratio Lower Upper

128 100

127 1.4 10.1 15.1#

129 5.5 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

