

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055110.D
 Acq On : 17 Apr 2019 17:02
 Operator : JC/SP
 Sample : K2434-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 03:06:31 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	507440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	820604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	685793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224379	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	324216	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
35) Dibromofluoromethane	7.59	113	259426	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	10.09	98	981388	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	285239	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

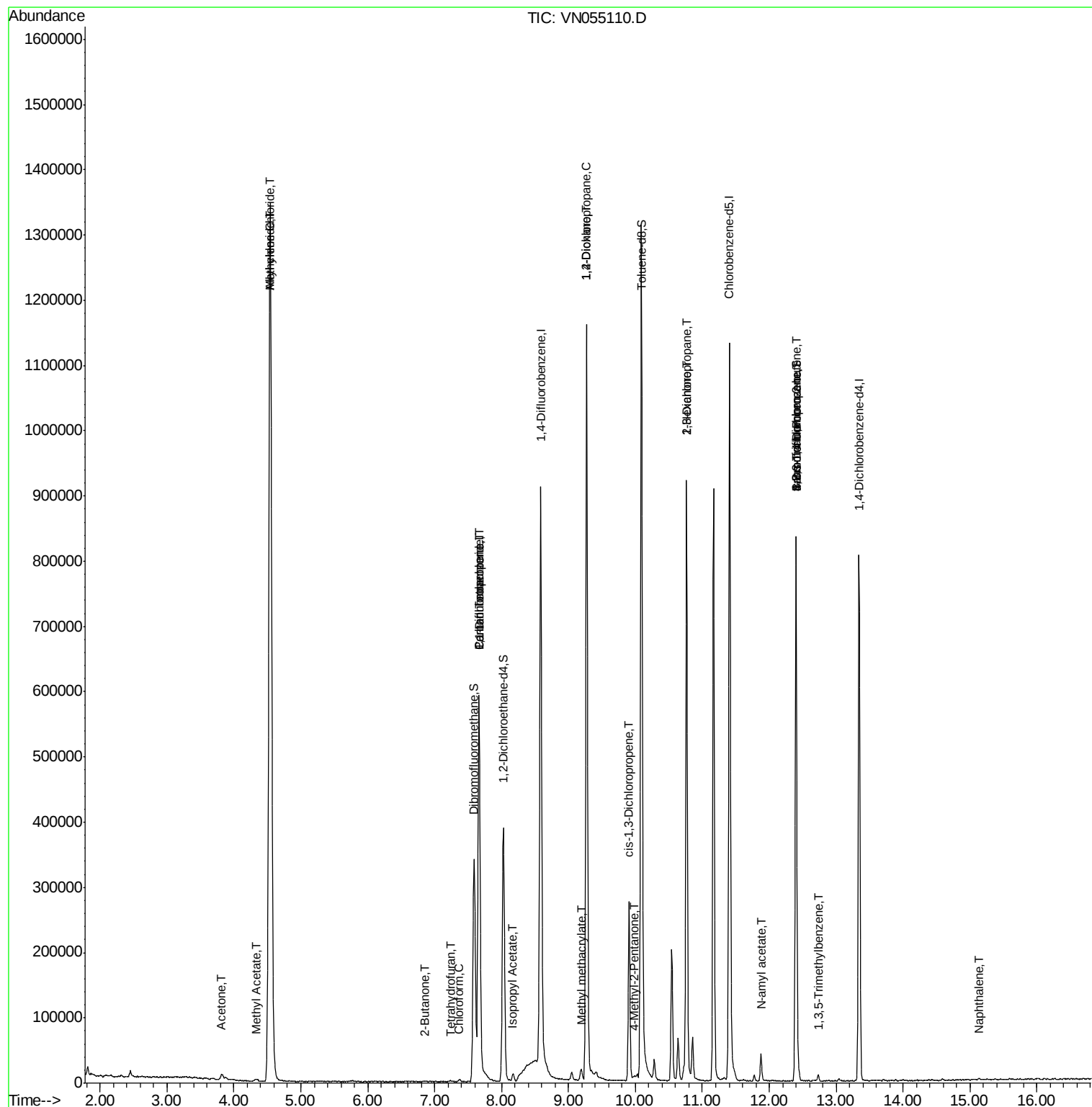
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.54	41	44453	4.509	ug/l #	26
16) Acetone	3.82	43	12850	7.019	ug/l	93
18) Methyl Acetate	4.34	43	6111	0.727	ug/l	95
20) Methylene Chloride	4.54	84	951052	147.777	ug/l	96
25) 2-Butanone	6.86	43	1817	0.665	ug/l #	53
29) Tetrahydrofuran	7.24	42	1598	0.892	ug/l #	47
30) Chloroform	7.36	83	2827	0.270	ug/l #	83
31) Cyclohexane	7.66	56	10358	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	39474	5.103	ug/l #	49
38) Carbon Tetrachloride	7.66	117	46613	6.333	ug/l #	16
43) Isopropyl Acetate	8.17	43	13382	1.379	ug/l #	92
45) 1,2-Dichloropropane	9.27	63	1454	0.224	ug/l #	44
48) Methyl methacrylate	9.18	41	6897	1.434	ug/l #	17
49) 1,4-Dioxane	9.27	88	59	1.309	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4749	0.847	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	45713	5.523	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	8534	0.974	ug/l #	43
59) 2-Hexanone	10.77	43	143285	40.691	ug/l #	54
71) Bromoform	12.40	173	2943	1.011	ug/l #	1
74) N-amyl acetate	11.88	43	14034	2.504	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	145913	36.163	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4526	0.282	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	145913	144.610	ug/l #	2
95) Naphthalene	15.13	128	2444	3.365	ug/l #	83

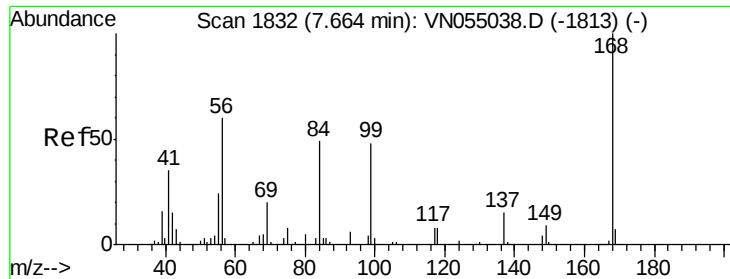
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041719\
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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: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

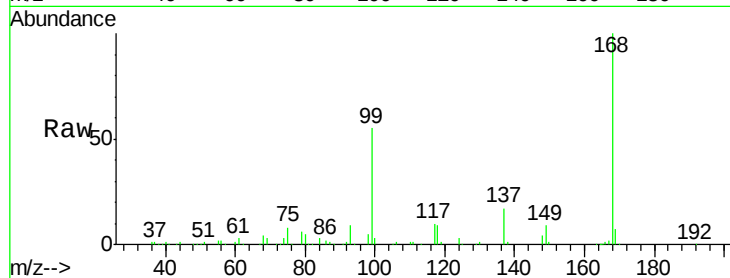
ClientSampled :

Tot Ion:168 Resp: 507440

Ion Ratio Lower Upper

168 100

99 54.9 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

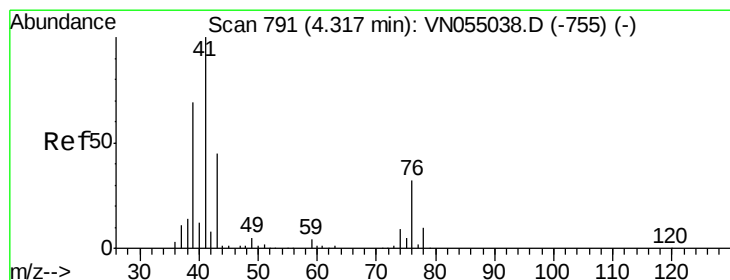
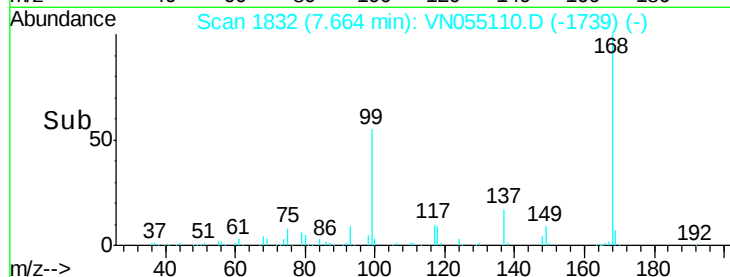
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 4.509 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

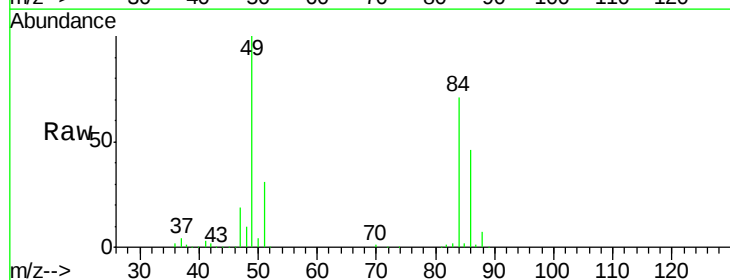
Tgt Ion: 41 Resp: 44453

Ion Ratio Lower Upper

41 100

39 0.4 52.7 79.1#

76 0.0 23.2 34.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.54

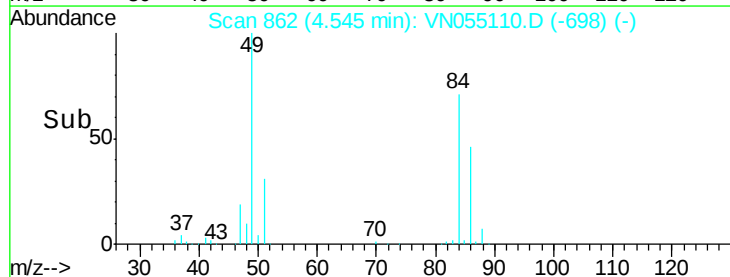
15000

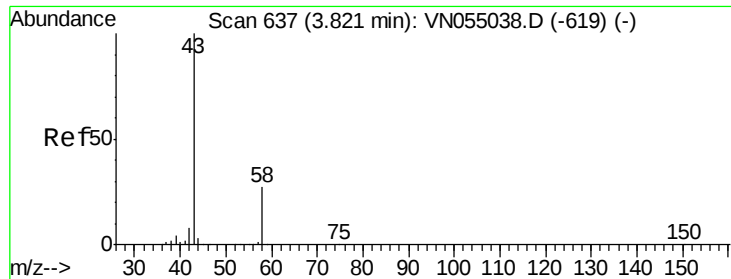
10000

5000

0

Time-->





#16

Acetone

Concen: 7.019 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

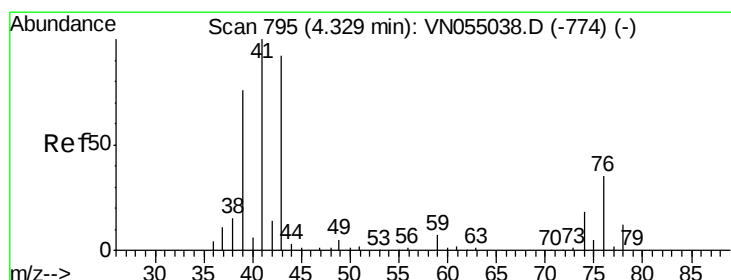
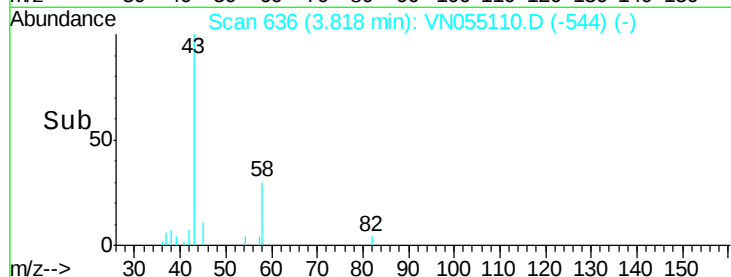
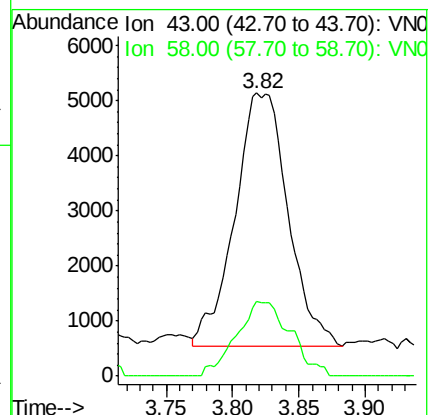
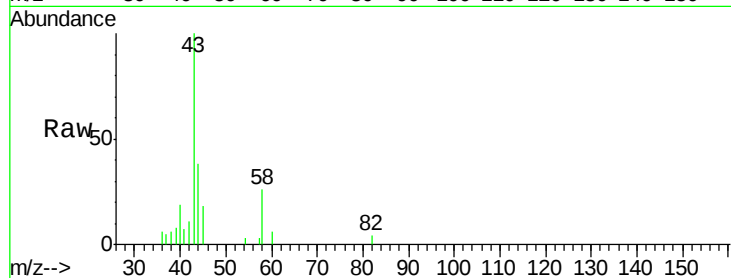
ClientSampleId :

Tot Ion: 43 Resp: 12850

Ion Ratio Lower Upper

43 100

58 29.5 20.9 31.3



#18

Methyl Acetate

Concen: 0.727 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055110.D

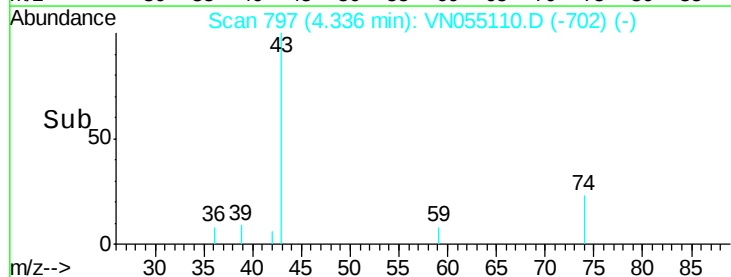
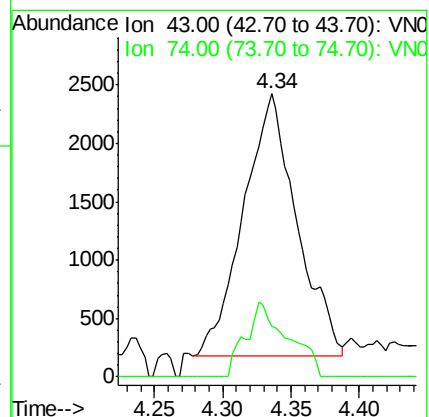
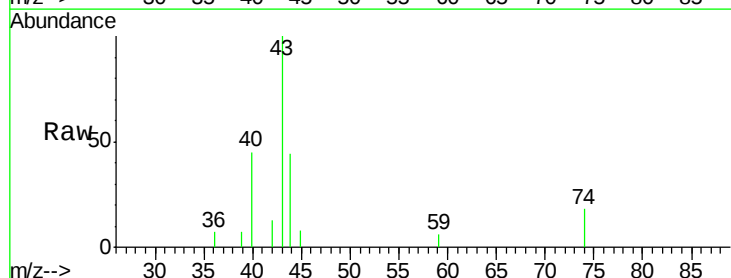
Acq: 17 Apr 2019 17:02

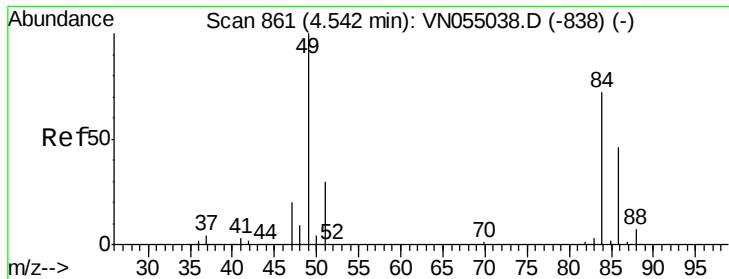
Tgt Ion: 43 Resp: 6111

Ion Ratio Lower Upper

43 100

74 22.4 16.1 24.1

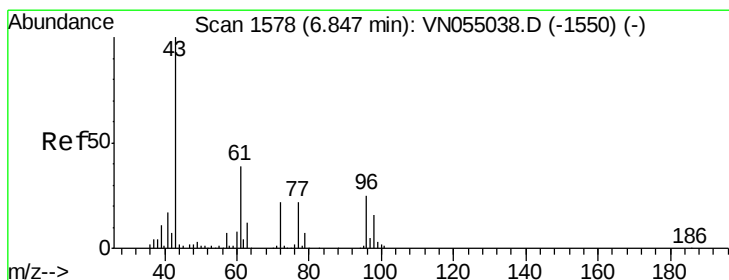
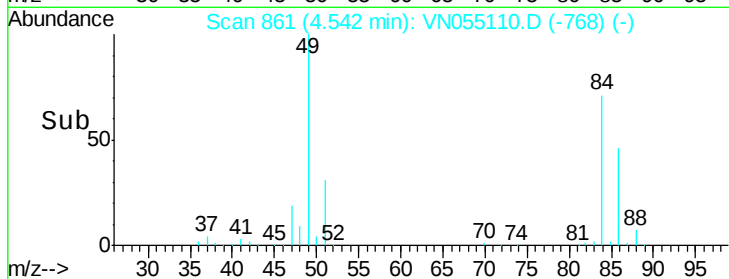
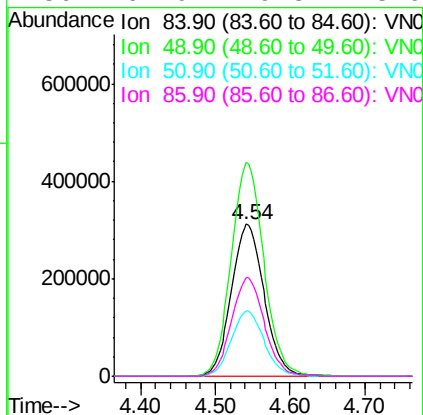
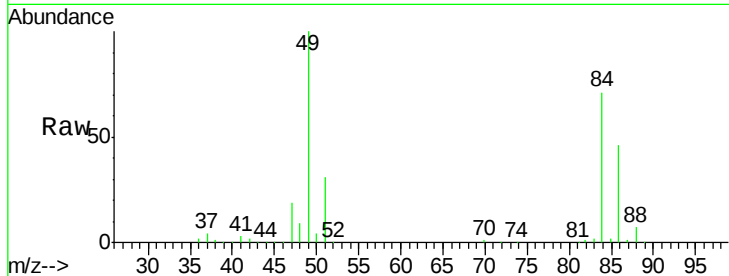




#20
Methvlene Chloride
Concen: 147.777 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055110.D
Acq: 17 Apr 2019 17:02

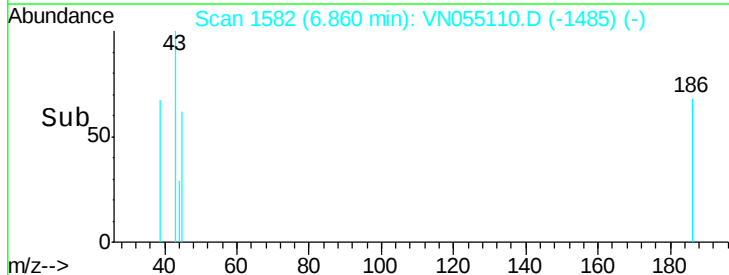
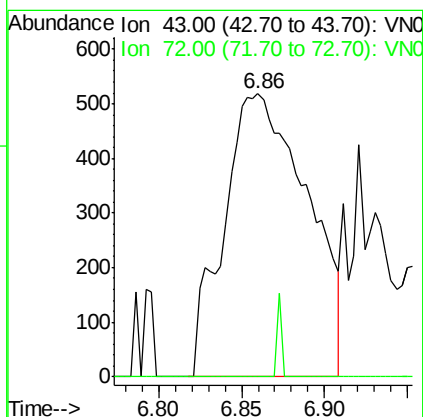
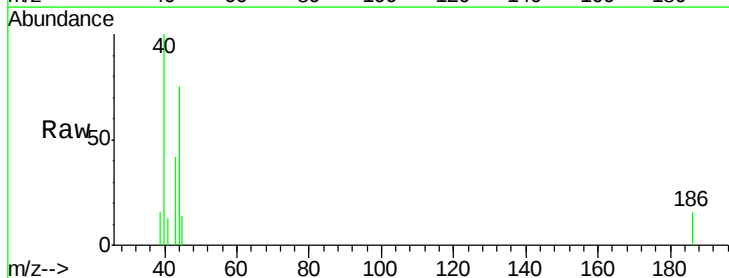
Instrument :
MSVOA_N
ClientSampleId :

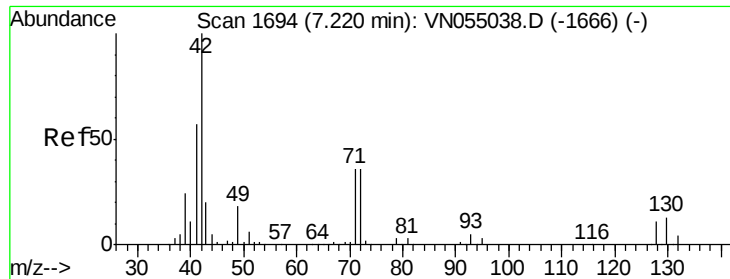
Tot Ion: 84 Resp: 951052
Ion Ratio Lower Upper
84 100
49 140.7 109.4 164.2
51 43.2 32.2 48.4
86 64.9 49.3 73.9



#25
2-Butanone
Concen: 0.665 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VN055110.D
Acq: 17 Apr 2019 17:02

Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
72 0.0 18.1 27.1#

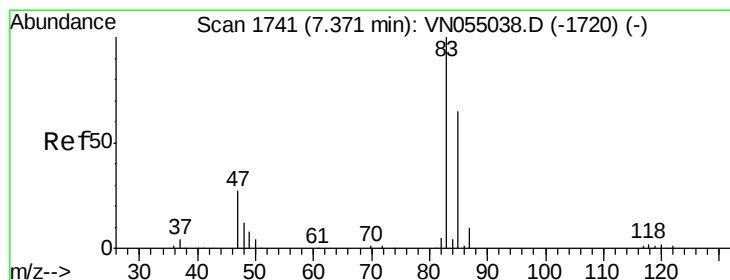
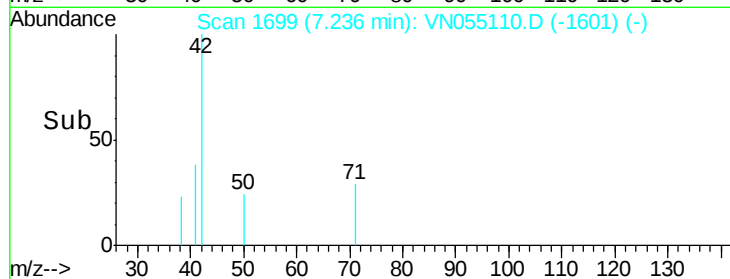
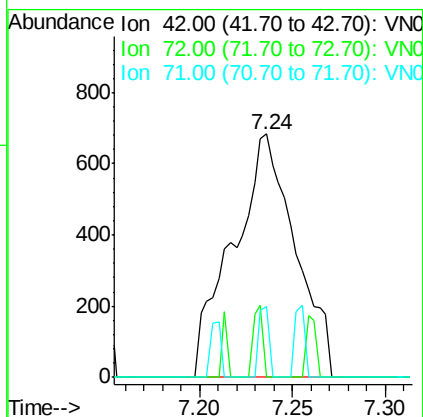
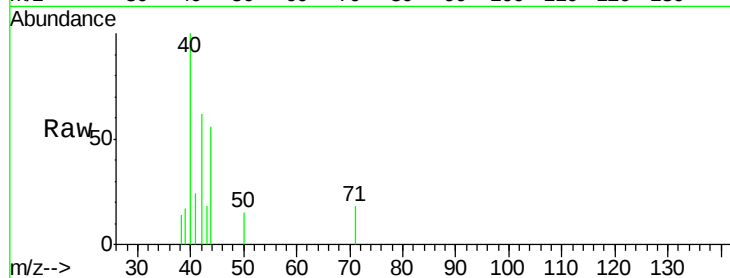




#29
Tetrahydrofuran
Concen: 0.892 ug/l
RT: 7.24 min Scan# 1699
Delta R.T. 0.02 min
Lab File: VN055110.D
Acq: 17 Apr 2019 17:02

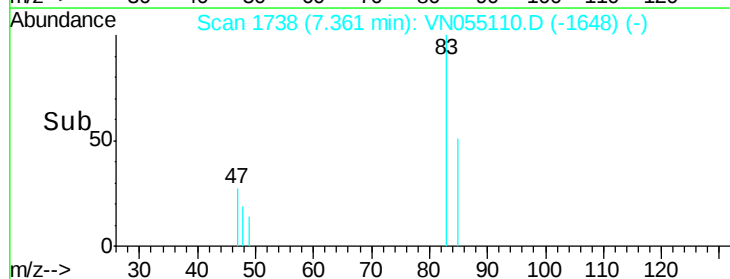
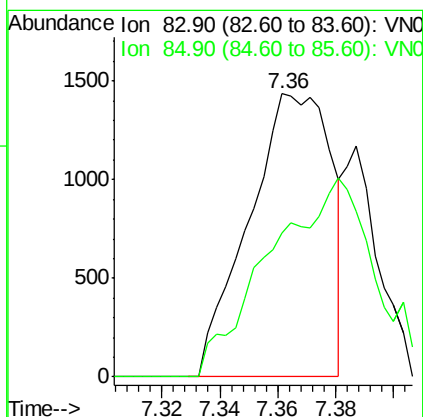
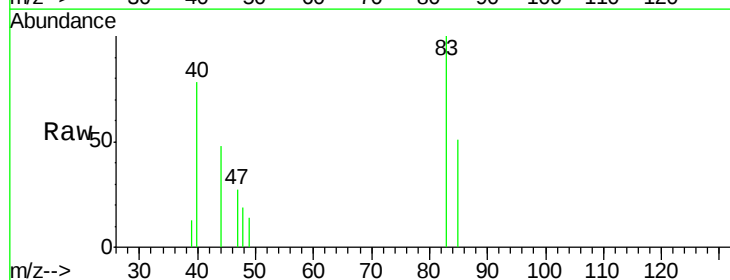
Instrument :
MSVOA_N
ClientSampled :

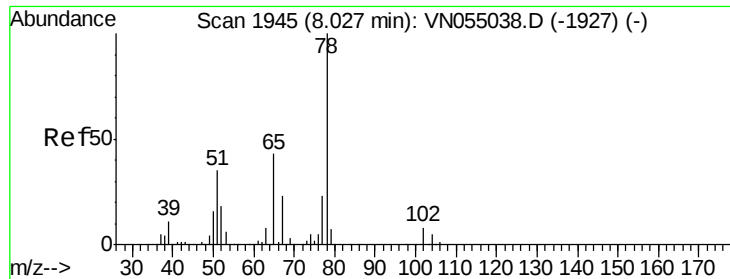
Tot Ion: 42 Resp: 1598
Ion Ratio Lower Upper
42 100
72 4.6 29.4 44.0#
71 4.6 27.8 41.6#



#30
Chloroform
Concen: 0.270 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN055110.D
Acq: 17 Apr 2019 17:02

Tgt Ion: 83 Resp: 2827
Ion Ratio Lower Upper
83 100
85 51.0 51.8 77.6#

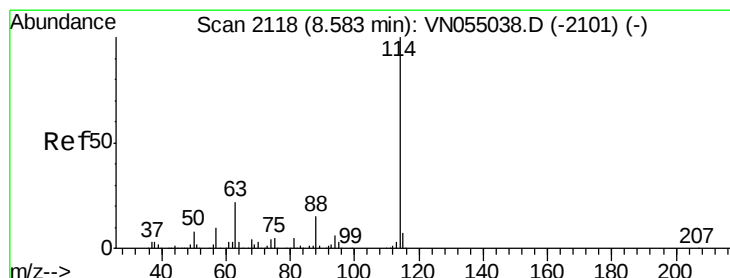
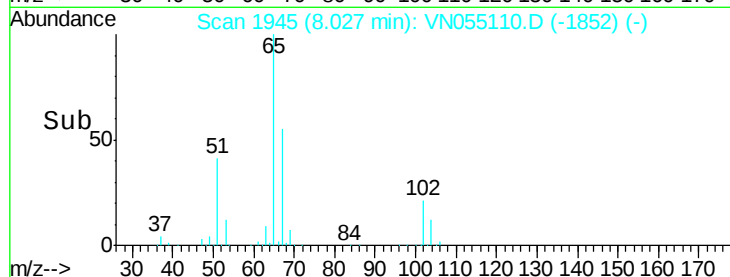
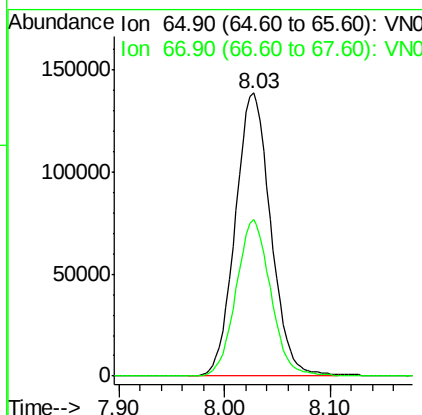
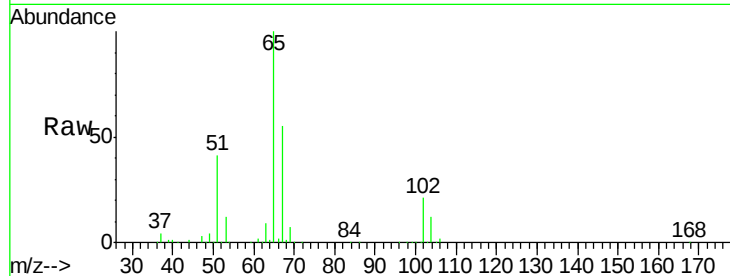




#33
 1,2-Dichloroethane-d4
 Concen: 48.067 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

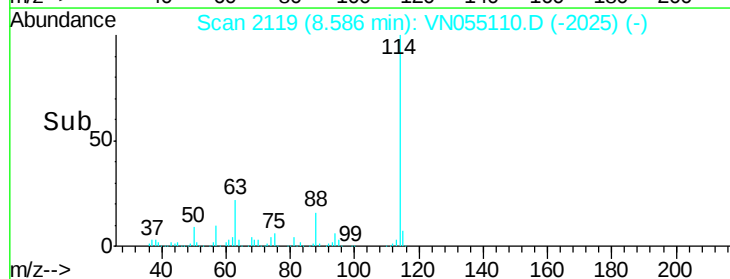
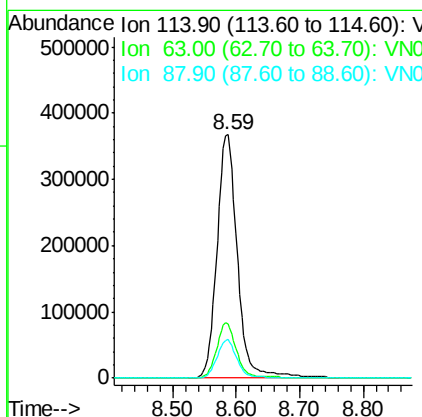
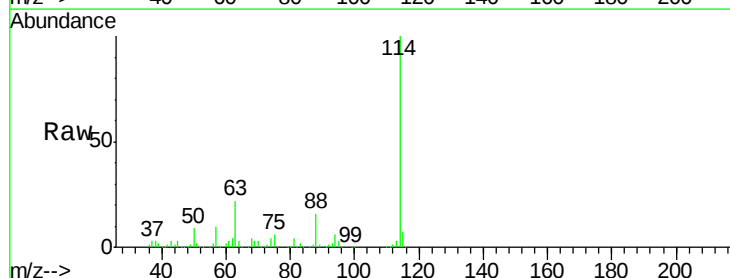
Instrument :
 MSVOA_N
 ClientSampleId :

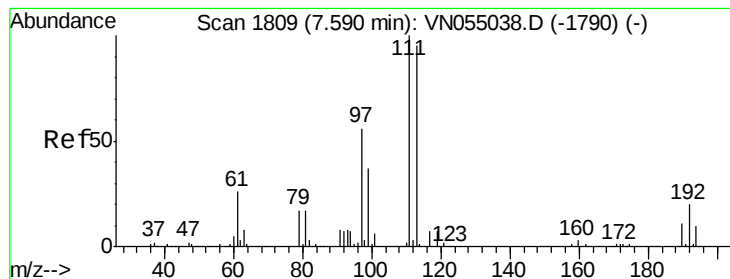
Tot Ion: 65 Resp: 324216
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

Tgt Ion: 114 Resp: 820604
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.2
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.305 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

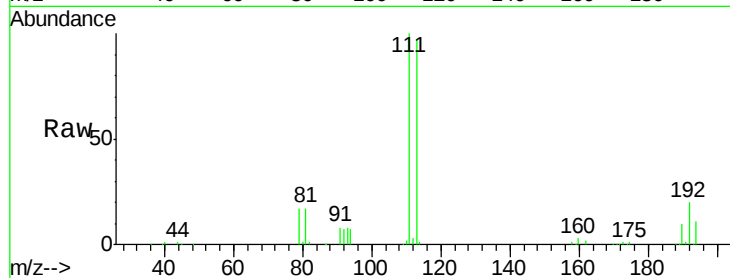
Tot Ion:113 Resp: 259426

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

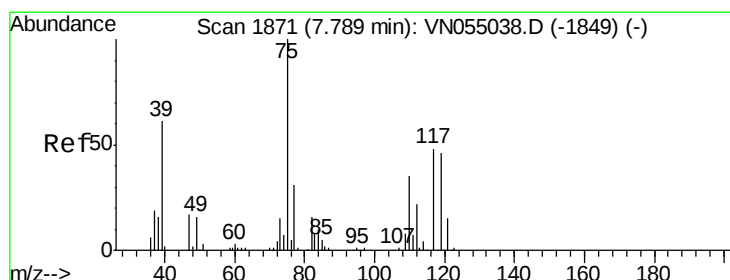
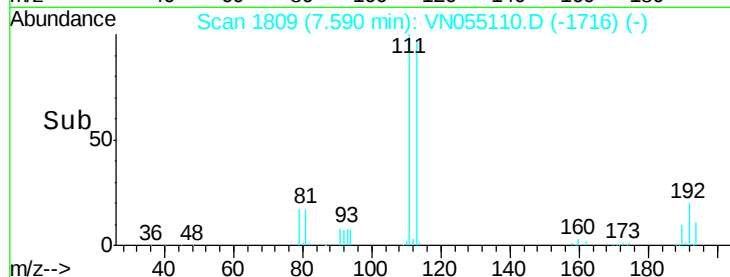
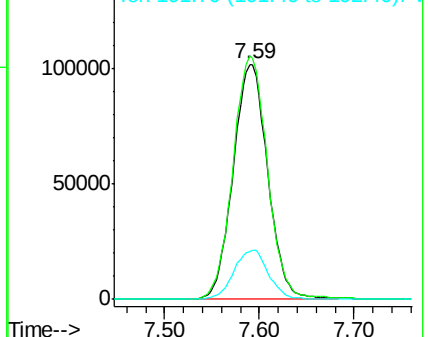
192 21.0 16.5 24.7



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: 5.103 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

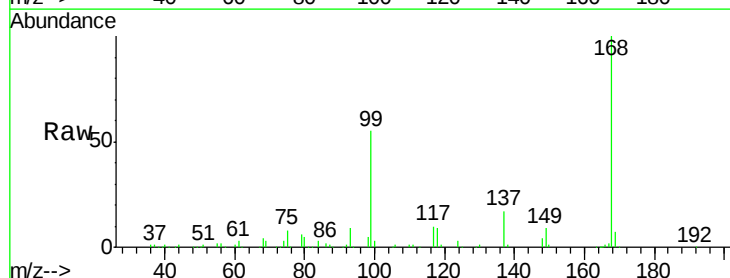
Tgt Ion: 75 Resp: 39474

Ion Ratio Lower Upper

75 100

110 8.4 17.5 52.5#

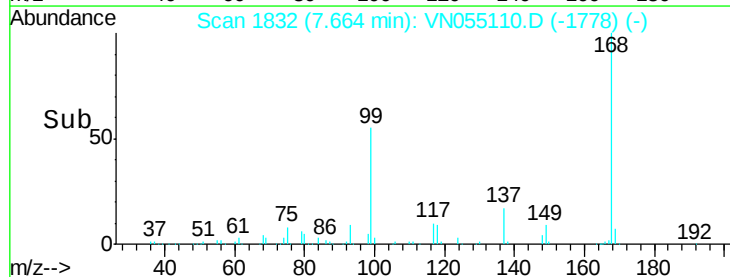
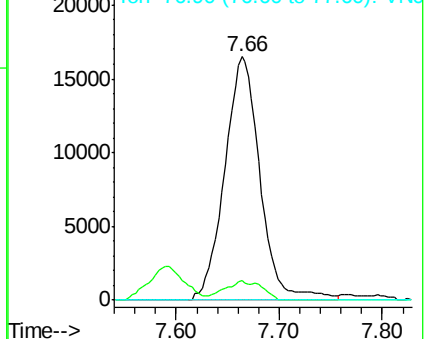
77 0.0 24.9 37.3#

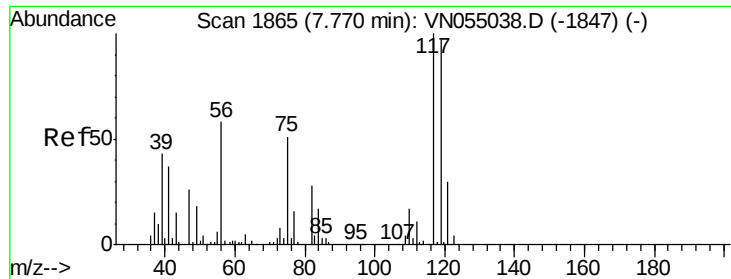


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

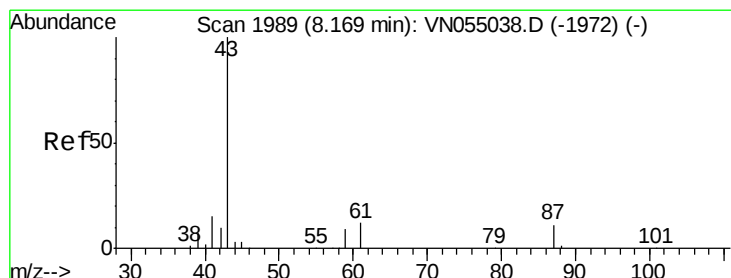
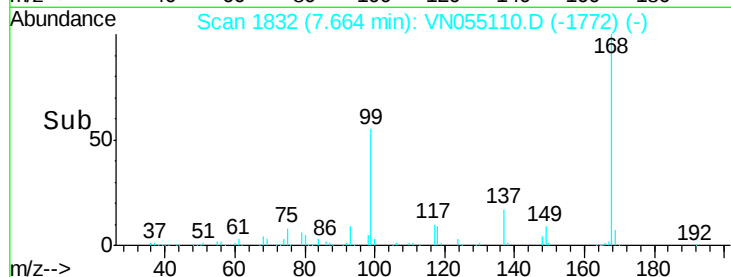
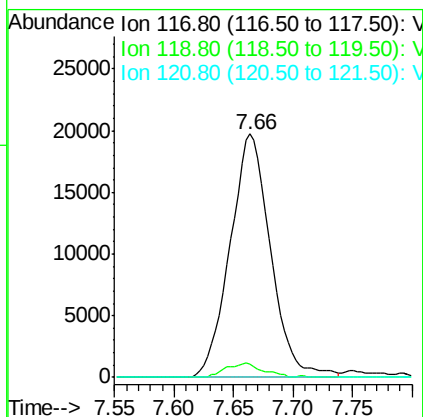
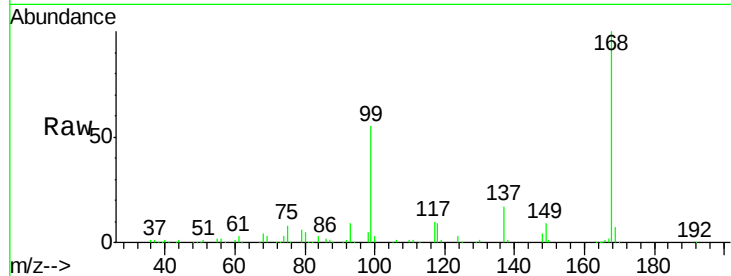




#38
Carbon Tetrachloride
Concen: 6.333 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055110.D
Acq: 17 Apr 2019 17:02

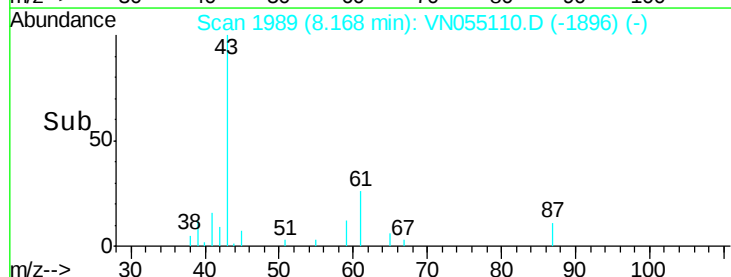
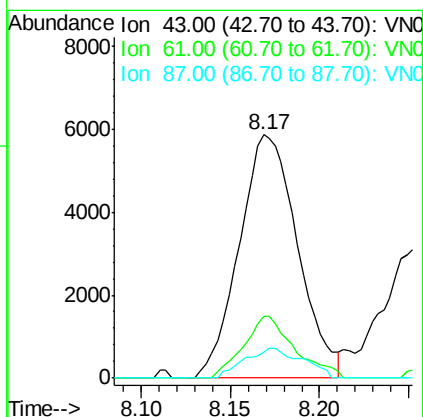
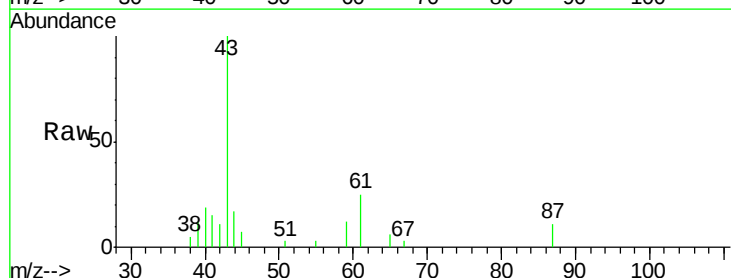
Instrument :
MSVOA_N
ClientSampled :

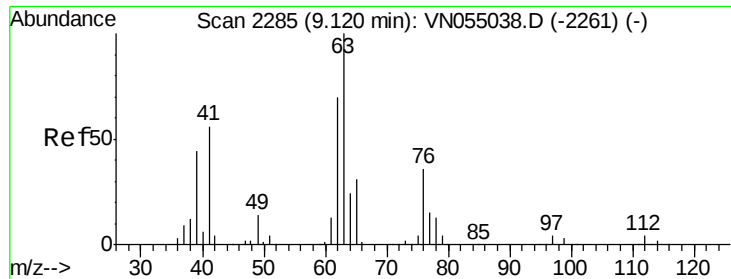
Tot Ion:117 Resp: 46613
Ion Ratio Lower Upper
117 100
119 5.5 76.3 114.5#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 1.379 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN055110.D
Acq: 17 Apr 2019 17:02

Tgt Ion: 43 Resp: 13382
Ion Ratio Lower Upper
43 100
61 22.3 14.3 21.5#
87 12.1 8.6 13.0

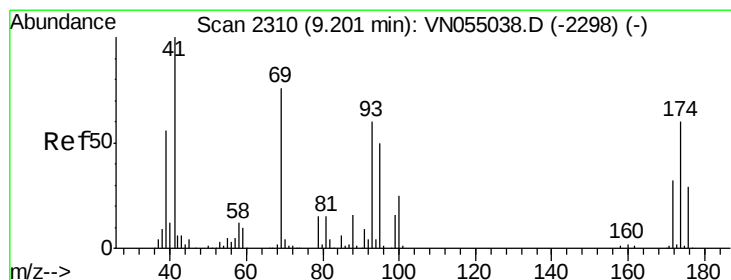
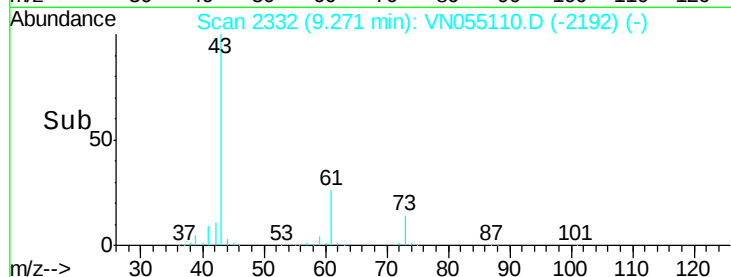
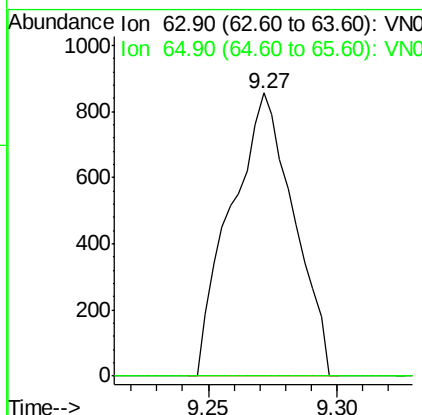
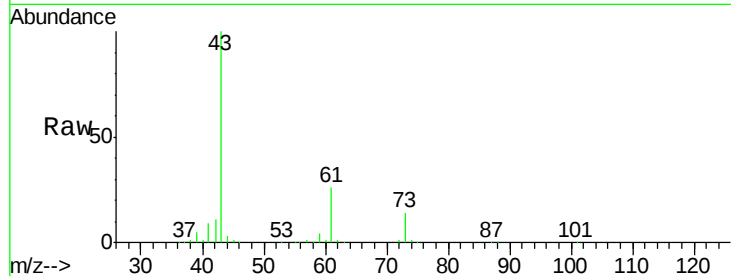




#45
 1,2-Dichloropropane
 Concen: 0.224 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

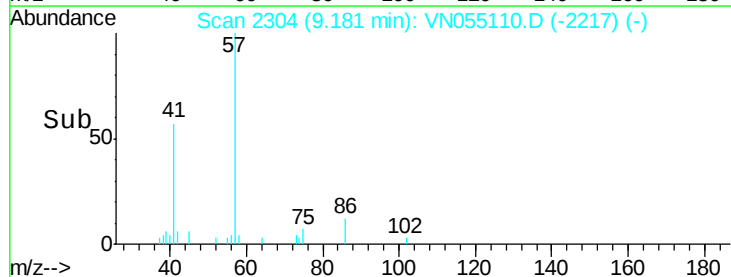
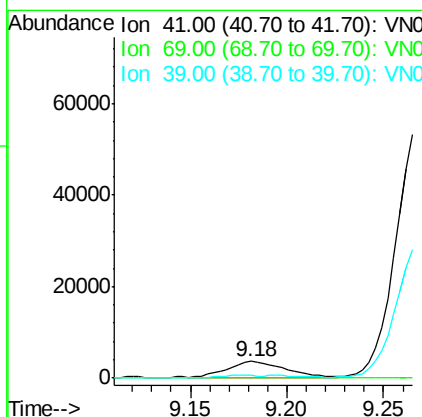
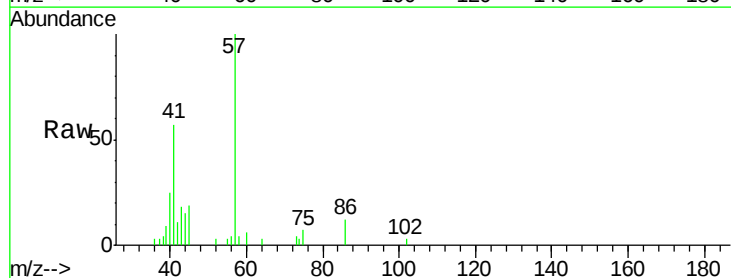
Instrument :
 MSVOA_N
 ClientSampled :

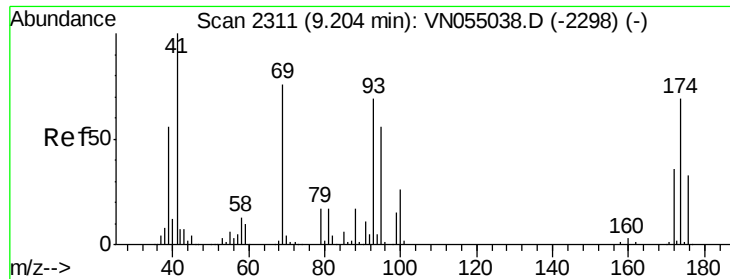
Tot Ion: 63 Resp: 1454
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.434 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

Tgt Ion: 41 Resp: 6897
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.5 90.7#
 39 0.0 43.9 65.9#





#49

1,4-Dioxane

Concen: 1.309 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :

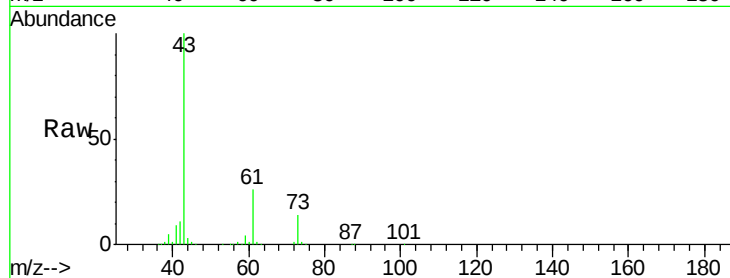
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

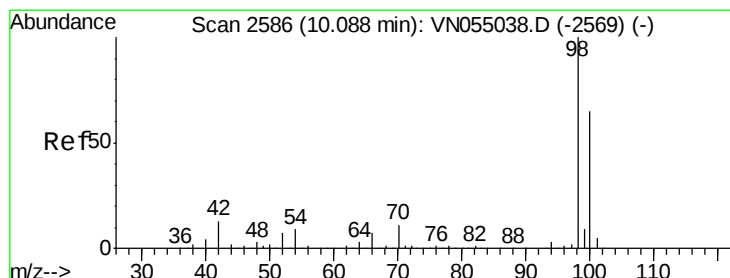
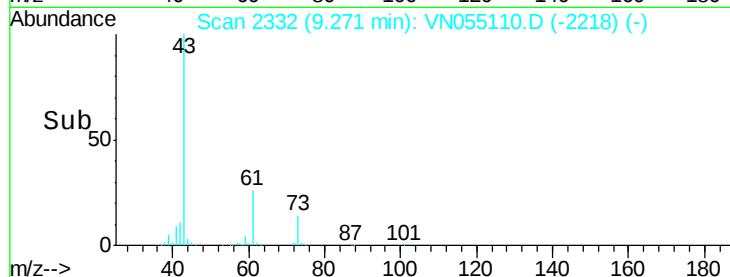
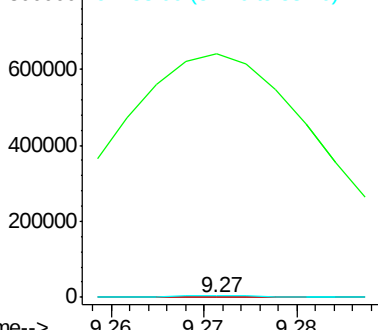
88 100

43 2004435.6 31.8 47.8#

58 10128.8 61.6 92.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.999 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055110.D

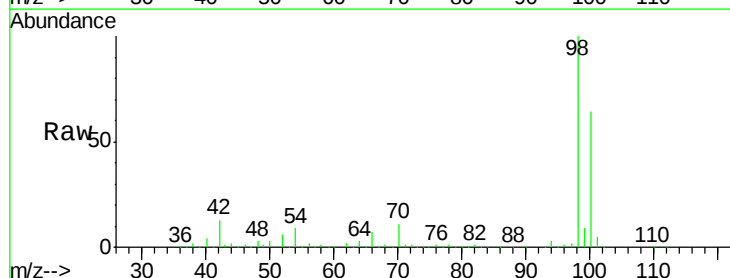
Acq: 17 Apr 2019 17:02

Tgt Ion: 98 Resp: 981388

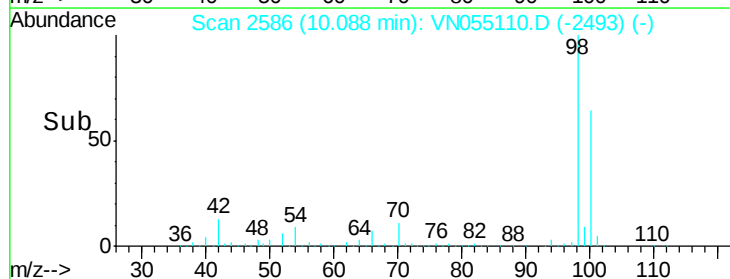
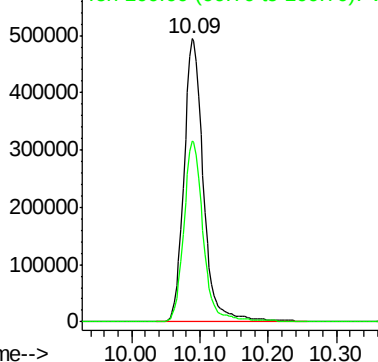
Ion Ratio Lower Upper

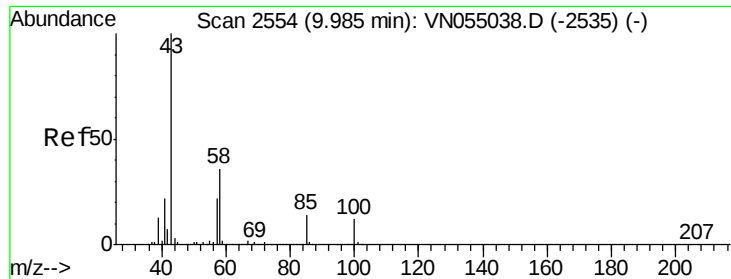
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

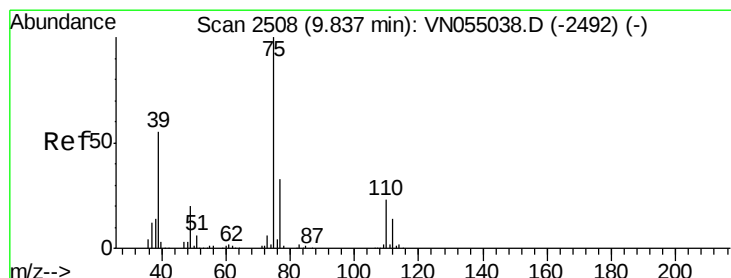
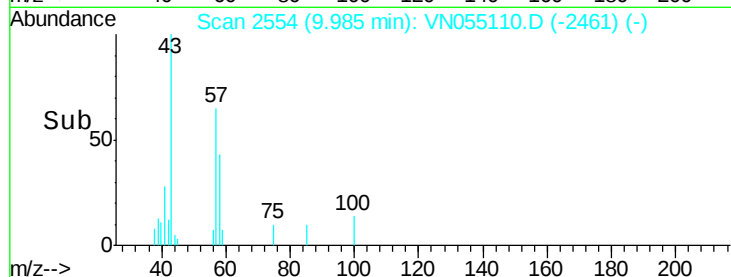
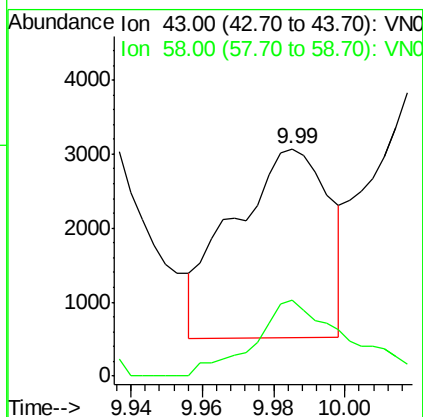
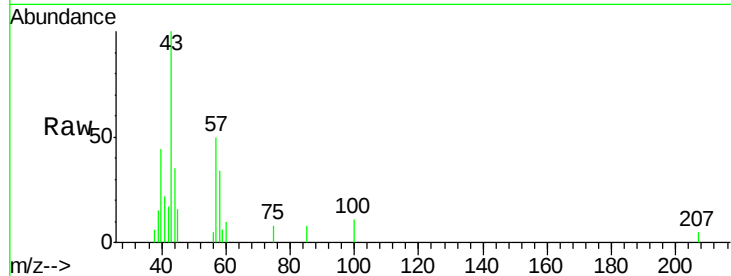




#51
 4-Methyl-2-Pentanone
 Concen: 0.847 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

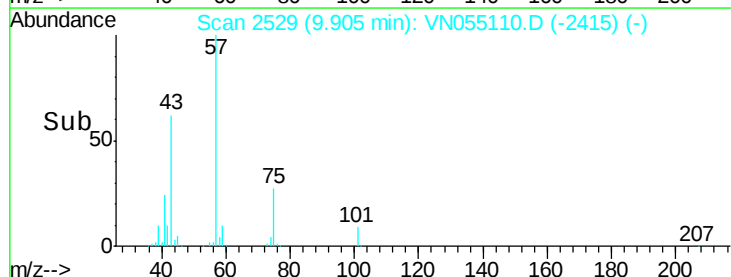
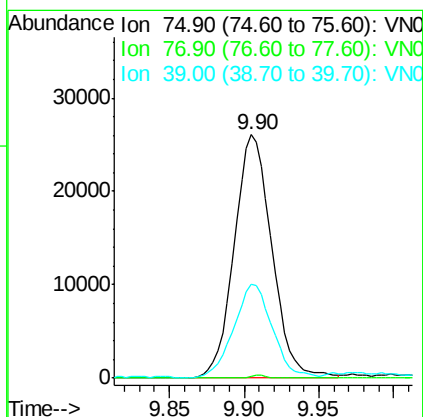
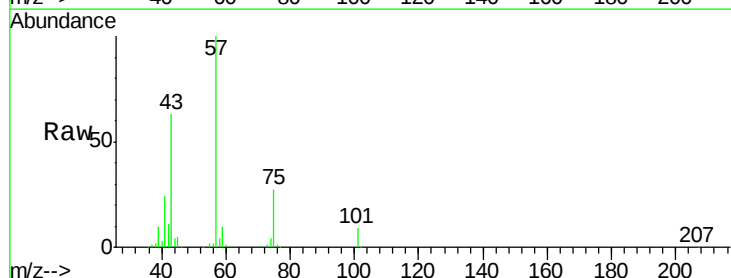
Instrument :
 MSVOA_N
 ClientSampled :

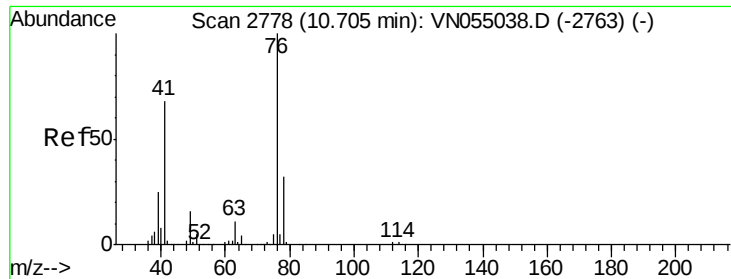
Tot Ion: 43 Resp: 4749
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.0 43.4



#54
 cis-1,3-Dichloropropene
 Concen: 5.523 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

Tgt Ion: 75 Resp: 45713
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.8 38.6#
 39 38.5 43.8 65.8#





#57

1,3-Dichloropropane

Concen: 0.974 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

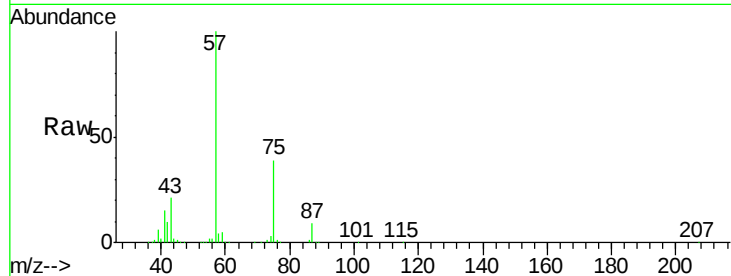
ClientSampleId :

Tot Ion: 76 Resp: 8534

Ion Ratio Lower Upper

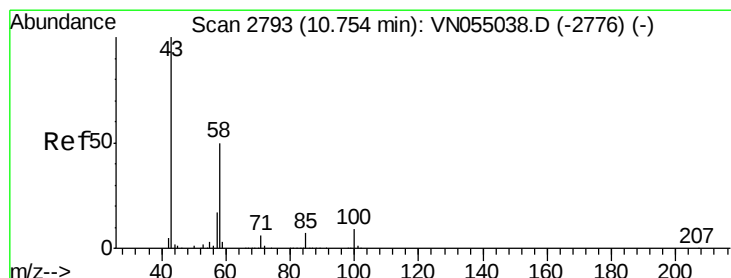
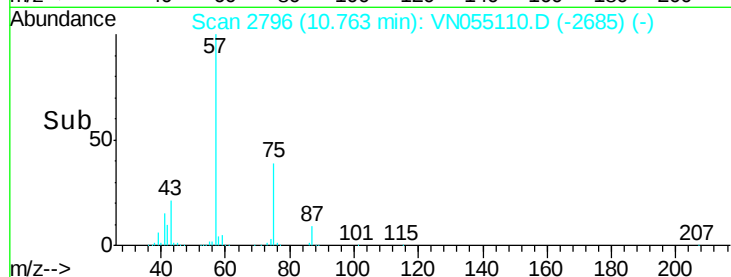
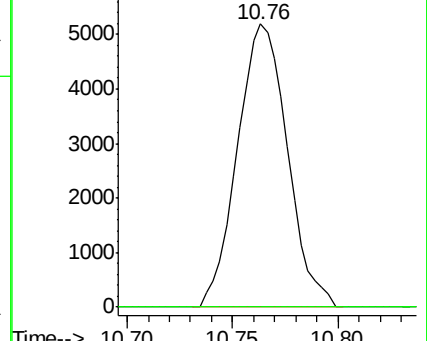
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 40.691 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN055110.D

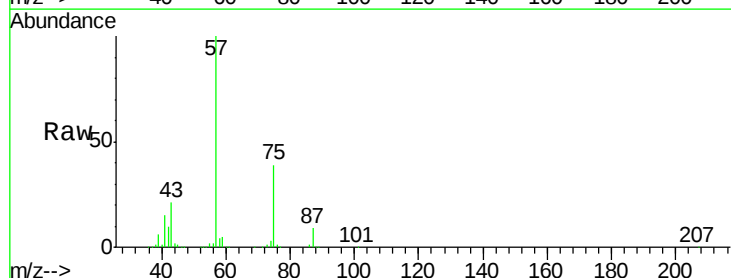
Acq: 17 Apr 2019 17:02

Tgt Ion: 43 Resp: 143285

Ion Ratio Lower Upper

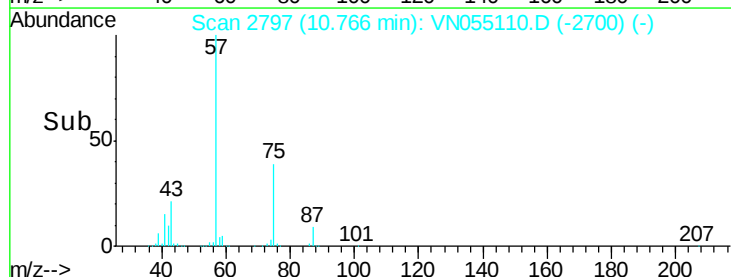
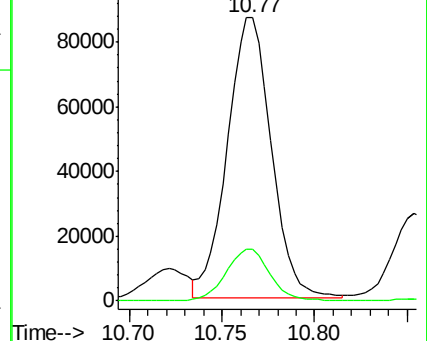
43 100

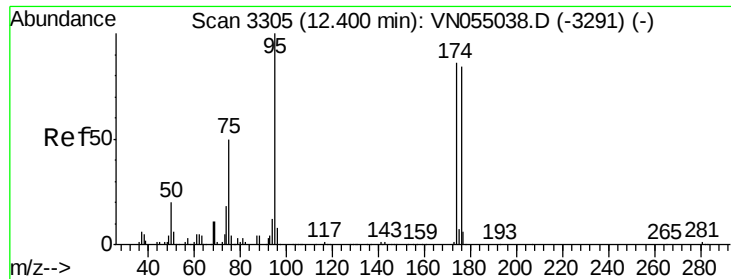
58 18.4 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 44.701 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

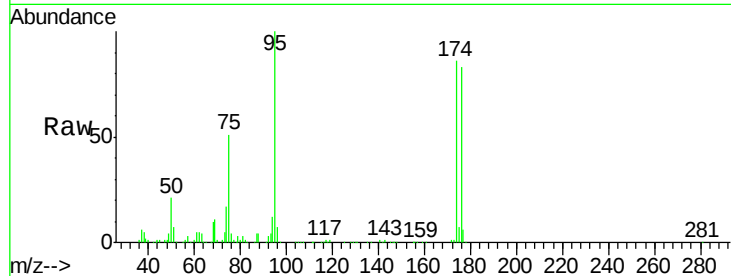
Tot Ion: 95 Resp: 285239

Ion Ratio Lower Upper

95 100

174 84.9 0.0 174.4

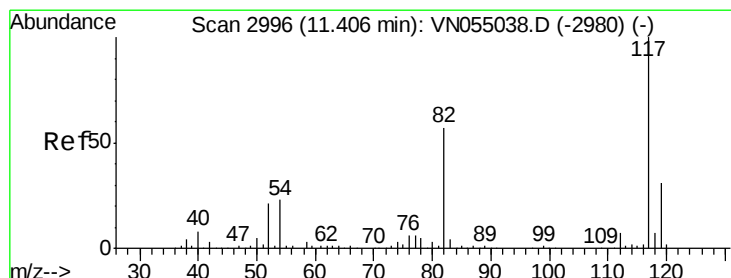
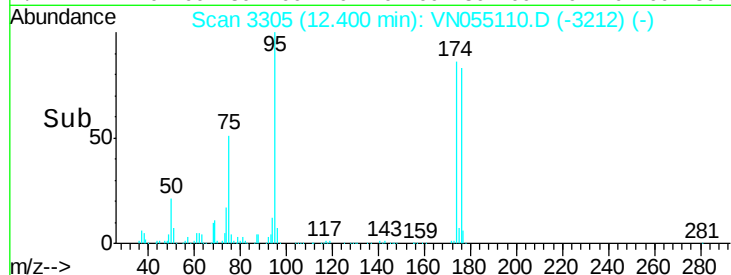
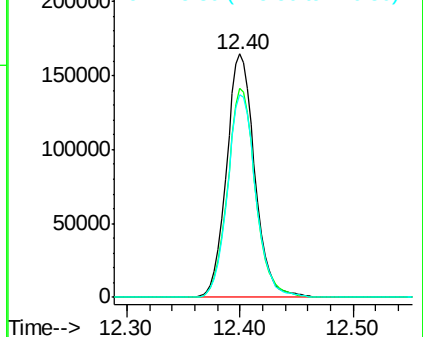
176 83.6 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055110.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055110.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055110.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

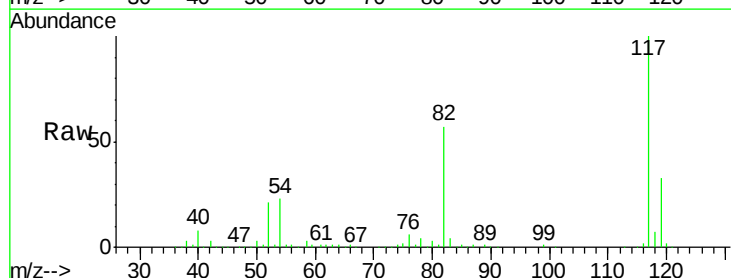
Tgt Ion: 117 Resp: 685793

Ion Ratio Lower Upper

117 100

82 56.9 44.6 66.8

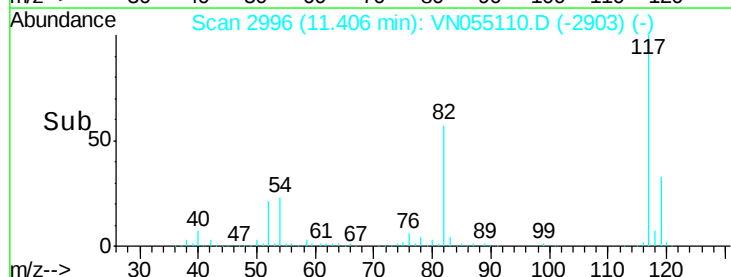
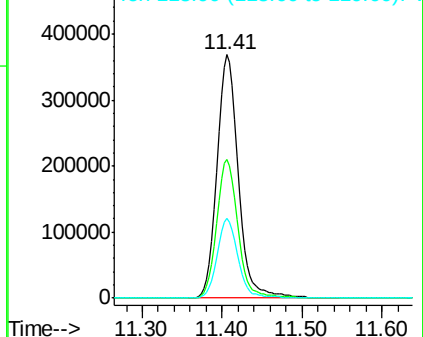
119 32.5 25.5 38.3

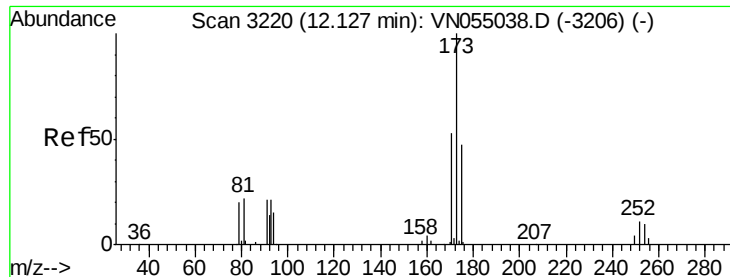


Abundance Ion 116.90 (116.60 to 117.60): VN055110.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055110.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055110.D (-2903) (-)





#71

Bromoform

Concen: 1.011 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

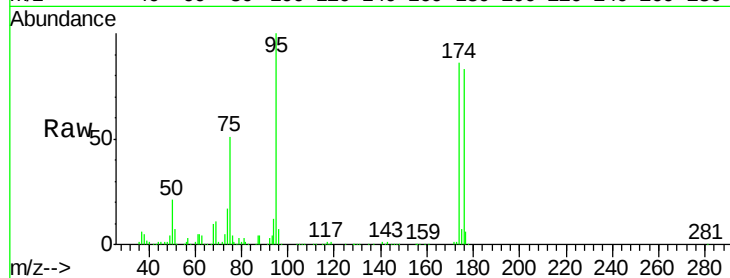
Tot Ion:173 Resp: 2943

Ion Ratio Lower Upper

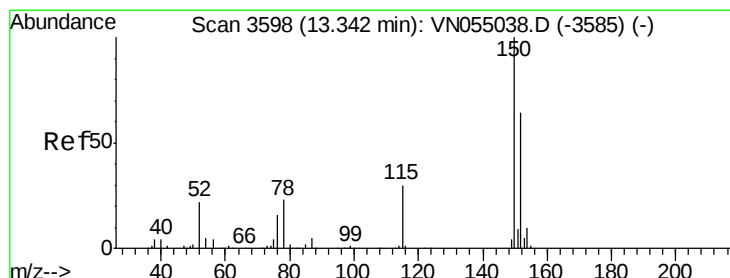
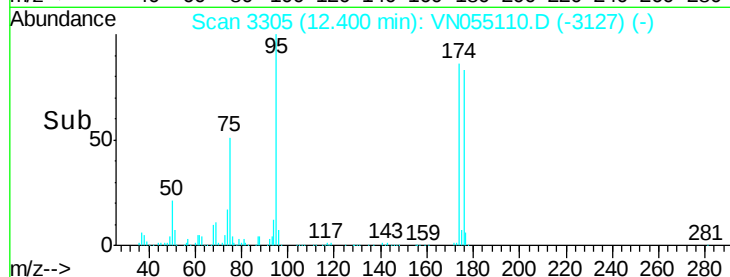
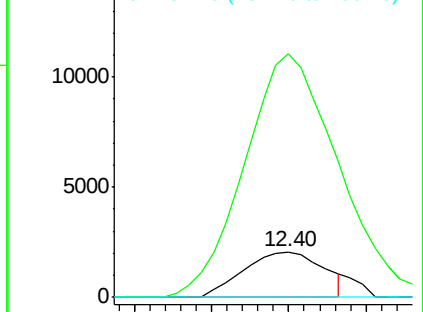
173 100

175 547.1 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: VN055110.D

Acq: 17 Apr 2019 17:02

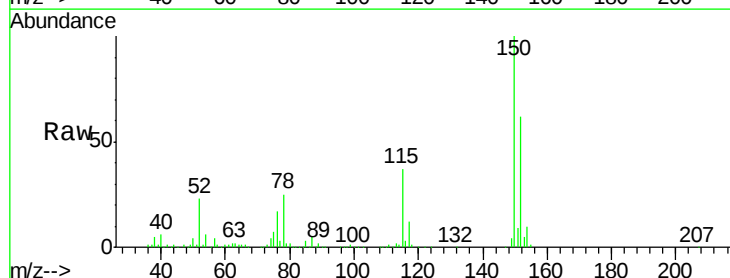
Tgt Ion:152 Resp: 224379

Ion Ratio Lower Upper

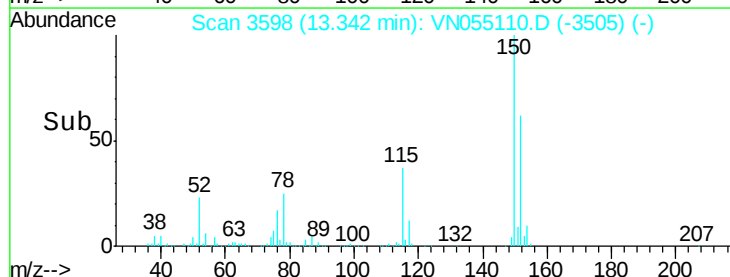
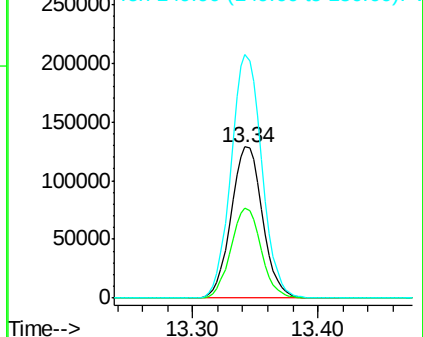
152 100

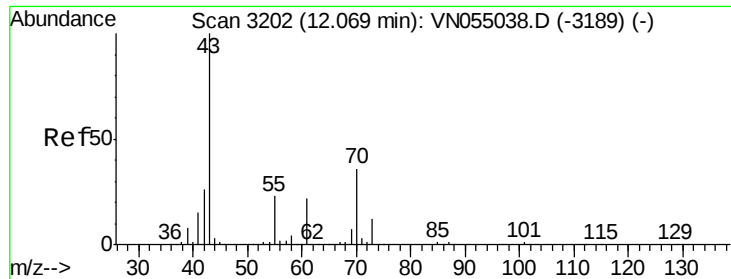
115 57.5 28.5 85.6

150 157.7 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-amvl acetate

Concen: 2.504 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 14034

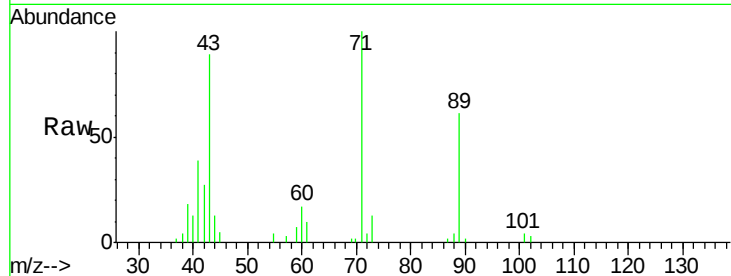
Ion Ratio Lower Upper

43 100

70 2.7 29.4 44.0#

55 5.0 19.0 28.4#

61 10.3 17.7 26.5#

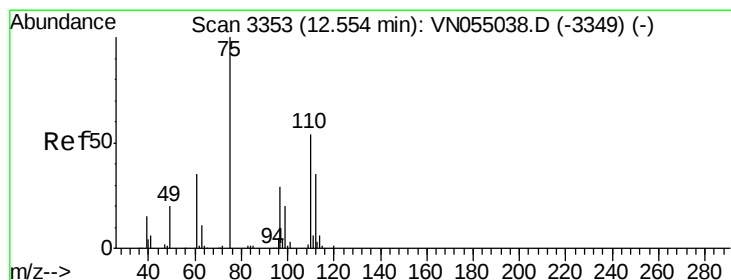
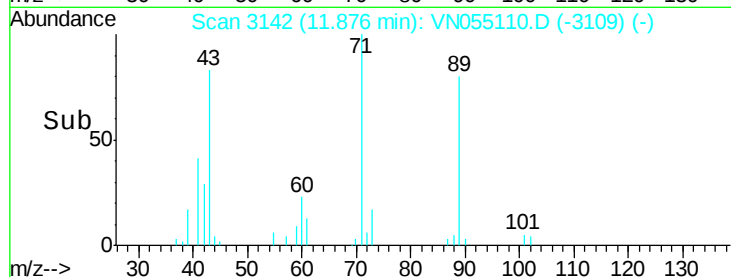
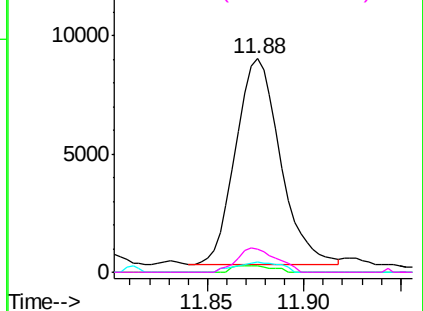


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 36.163 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055110.D

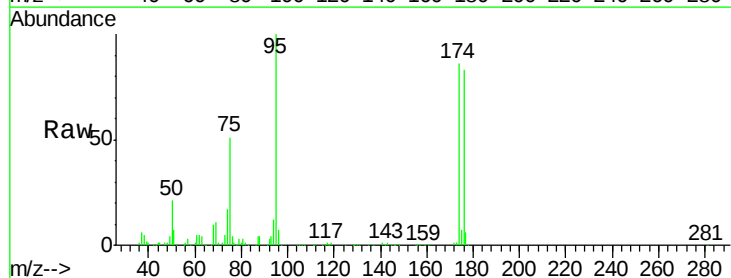
Acq: 17 Apr 2019 17:02

Tgt Ion: 75 Resp: 145913

Ion Ratio Lower Upper

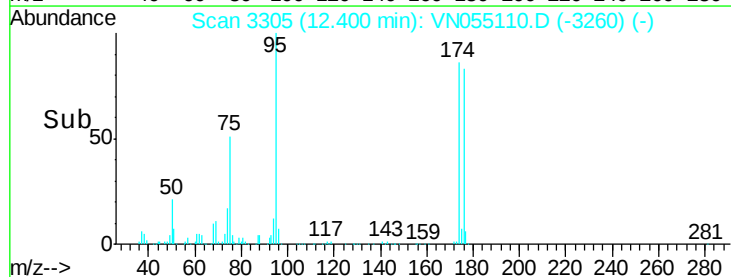
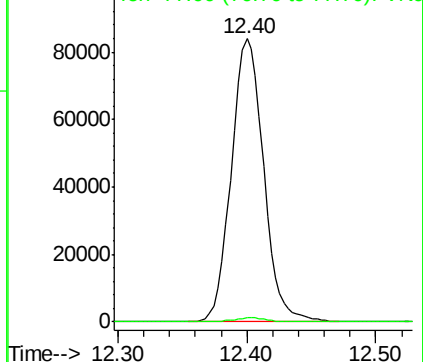
75 100

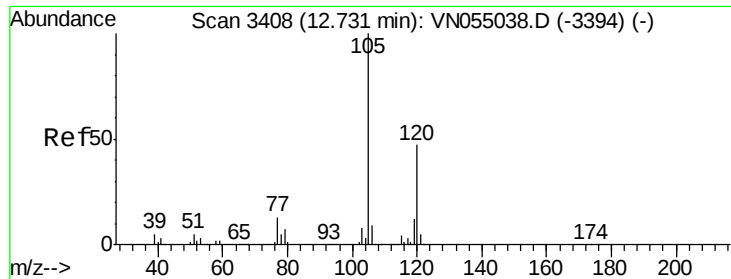
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

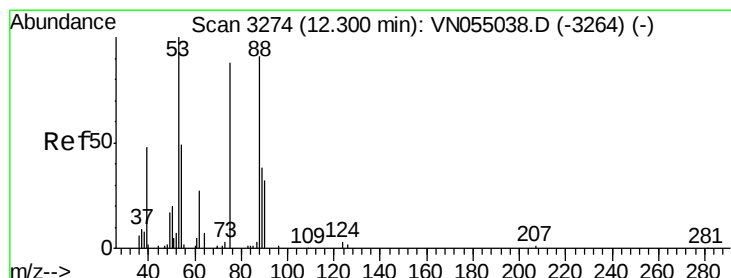
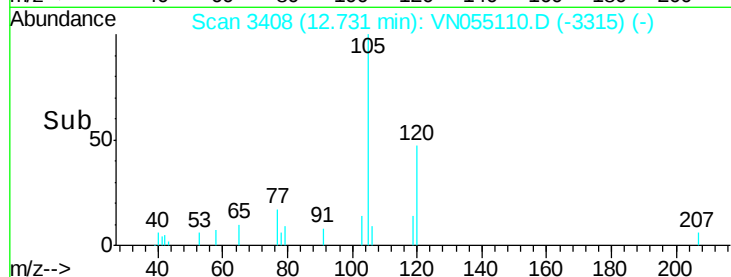
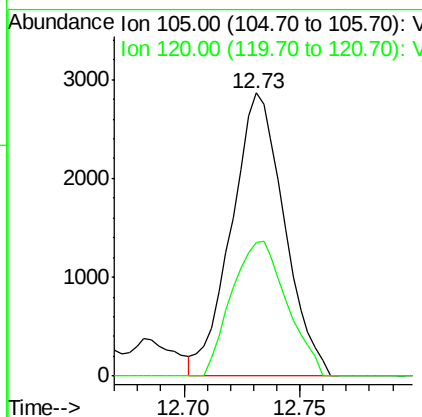
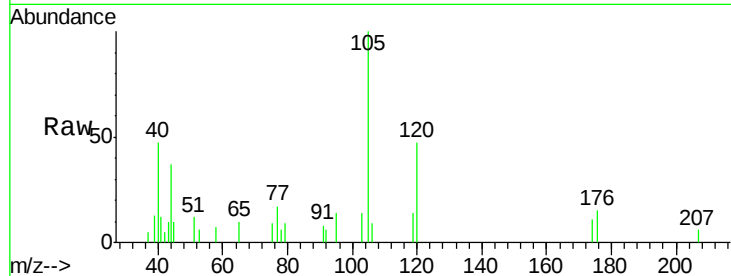




#80
 1,3,5-Trimethylbenzene
 Concen: 0.282 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

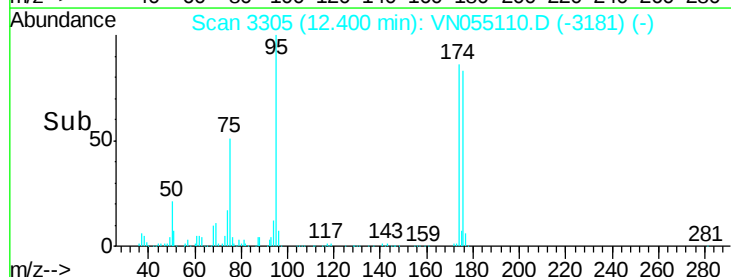
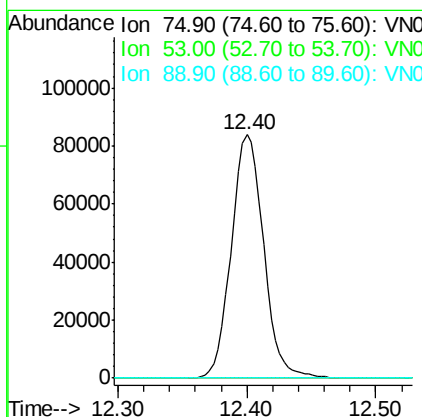
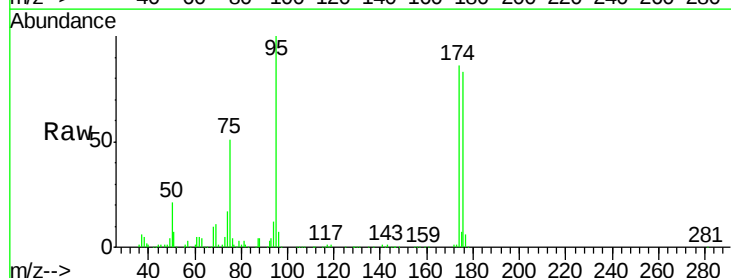
Instrument :
 MSVOA_N
 ClientSampleId :

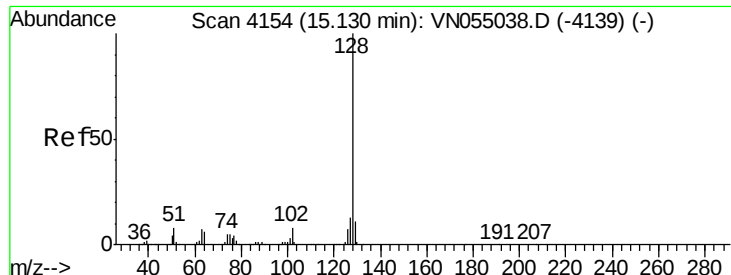
Tot Ion:105 Resp: 4526
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.610 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055110.D
 Acq: 17 Apr 2019 17:02

Tgt Ion: 75 Resp: 145913
 Ion Ratio Lower Upper
 75 100
 53 0.0 96.3 144.5#
 89 0.0 38.6 57.8#





#95

Naphthalene

Concen: 3.365 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

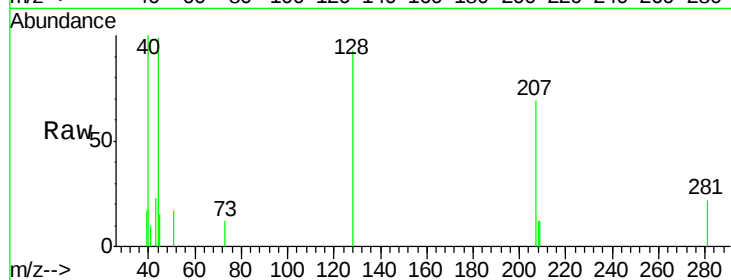
Lab File: VN055110.D

Acq: 17 Apr 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :



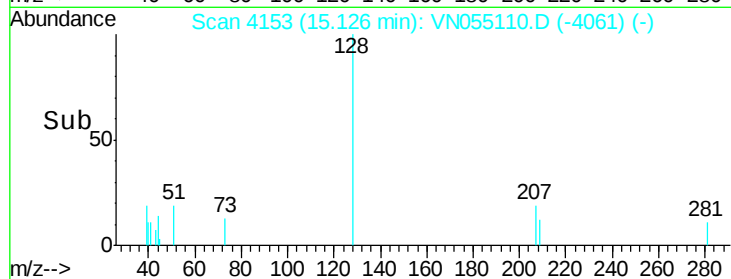
Tot Ion:128 Resp: 2444

Ion Ratio Lower Upper

128 100

127 2.6 10.1 15.1#

129 8.1 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

