

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055338.D
 Acq On : 2 May 2019 9:56
 Operator : JC/SP
 Sample : VN0502WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBL01

Quant Time: May 03 01:50:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	335438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	586584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139752	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	242076	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.59	113	192535	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	739113	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.40	95	217916	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

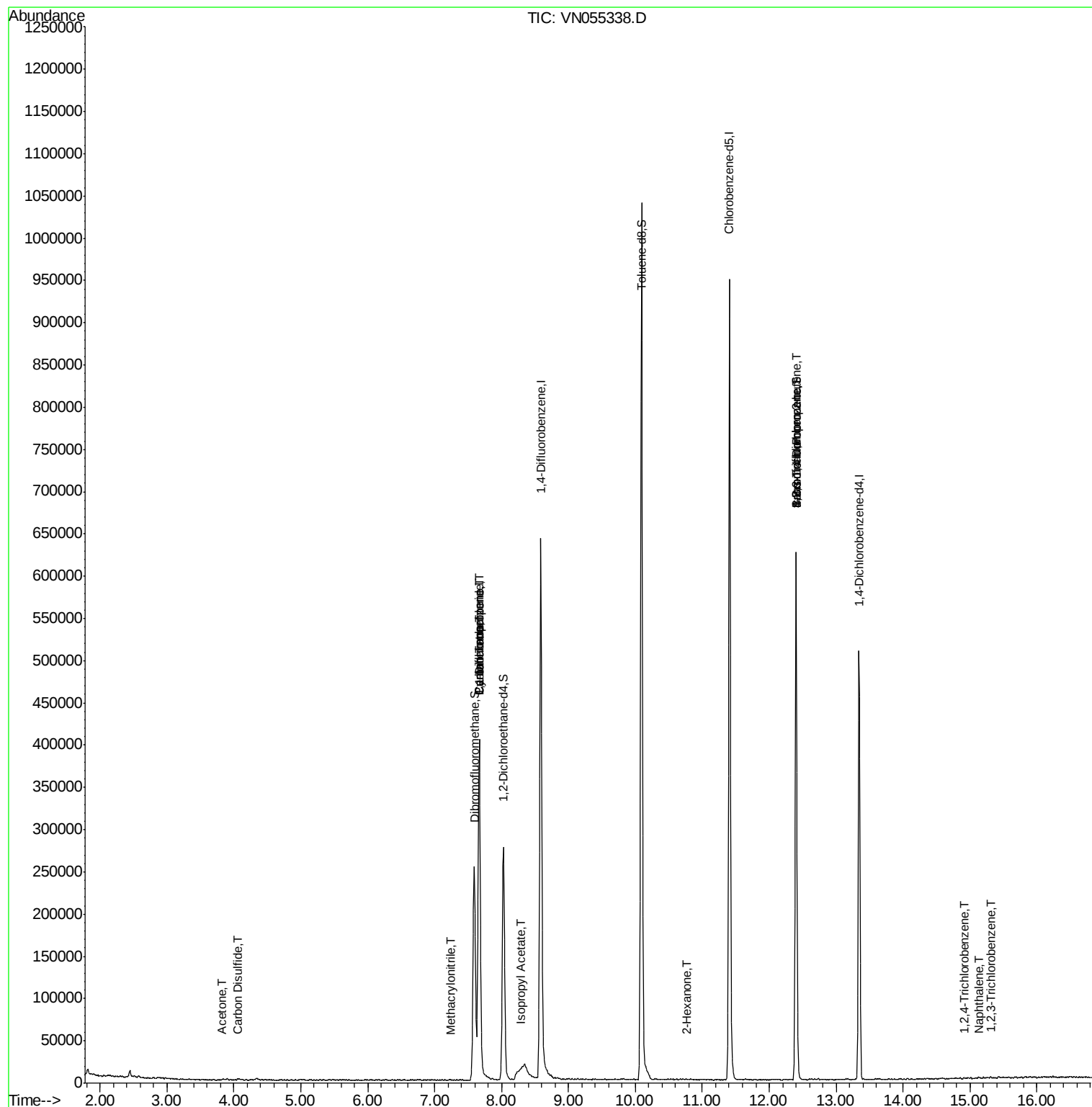
						Qvalue
16) Acetone	3.82	43	699	0.511	ug/l #	80
17) Carbon Disulfide	4.06	76	2094	0.242	ug/l #	74
18) Methyl Acetate	4.34	43	3212	Below Cal	#	75
31) Cyclohexane	7.67	56	7490	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	27580	4.909	ug/l #	50
38) Carbon Tetrachloride	7.66	117	32064	5.916	ug/l #	17
41) Methacrylonitrile	7.24	41	107	0.785	ug/l #	53
43) Isopropyl Acetate	8.28	43	17616	2.546	ug/l #	56
59) 2-Hexanone	10.77	43	1434	0.588	ug/l #	28
71) Bromoform	12.40	173	2056	0.895	ug/l #	1
73) Isopropylbenzene	12.25	105	306	Below Cal	#	49
76) 1,2,3-Trichloropropane	12.40	75	112310	42.877	ug/l #	100
77) Bromobenzene	12.52	156	29	Below Cal	#	10
79) 2-Chlorotoluene	12.68	91	185	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	112310	152.295	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	158	3.391	ug/l #	82
94) Hexachlorobutadiene	15.01	225	253	Below Cal	#	20
95) Naphthalene	15.14	128	564	3.464	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	209	2.723	ug/l #	42

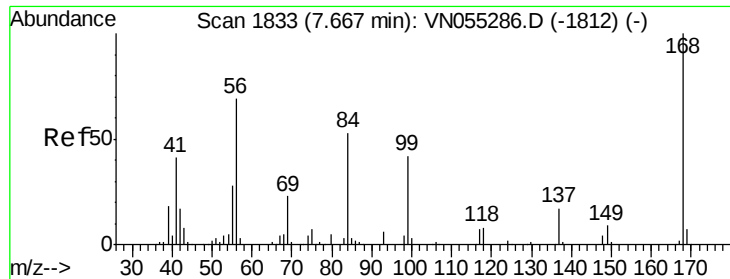
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

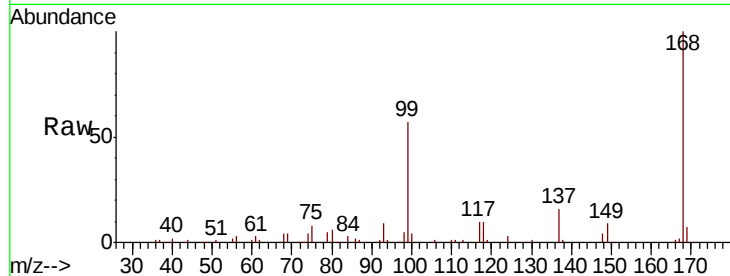
VN0502WBL01

Tot Ion:168 Resp: 335438

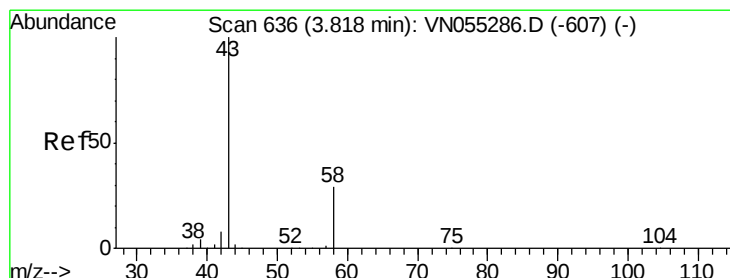
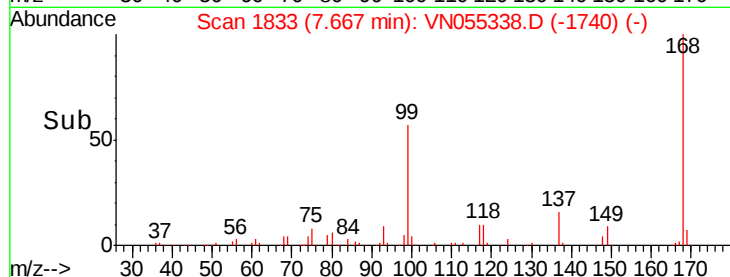
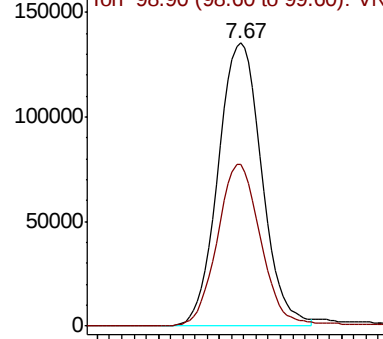
Ion Ratio Lower Upper

168 100

99 57.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055338.D (-1740) (-)



#16

Acetone

Concen: 0.511 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055338.D

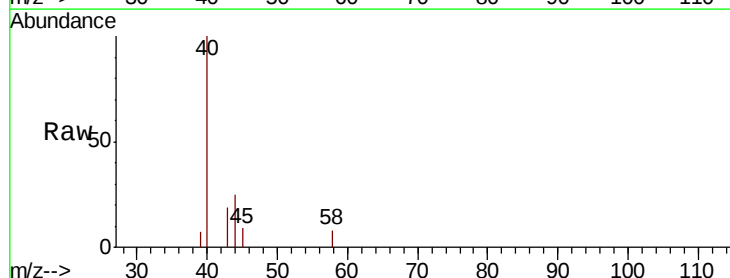
Acq: 2 May 2019 9:56

Tgt Ion: 43 Resp: 699

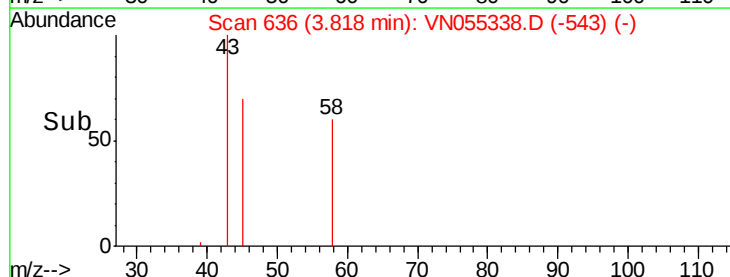
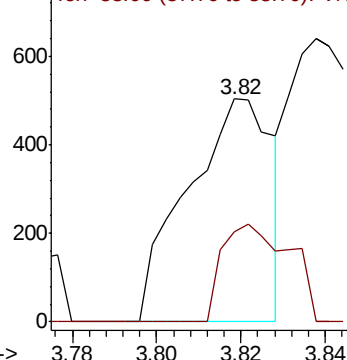
Ion Ratio Lower Upper

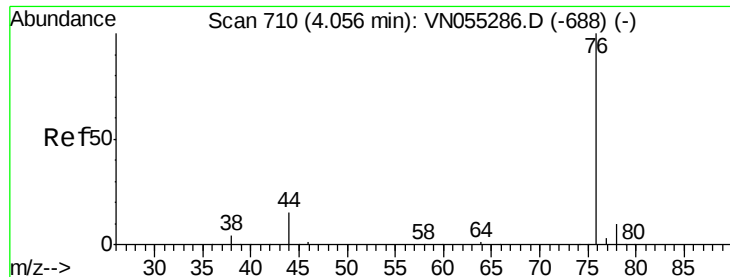
43 100

58 40.5 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055338.D (-543) (-)





#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

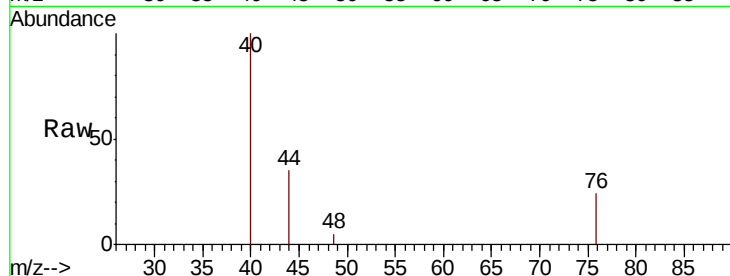
VN0502WBL01

Tot Ion: 76 Resp: 2094

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

800

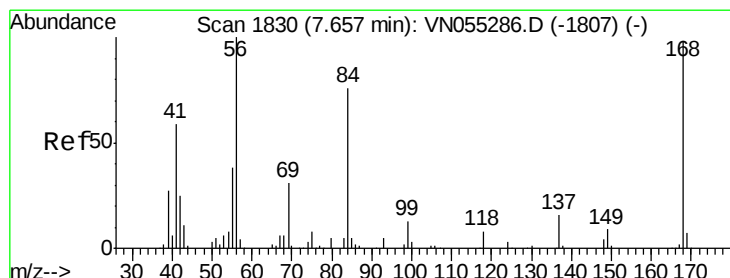
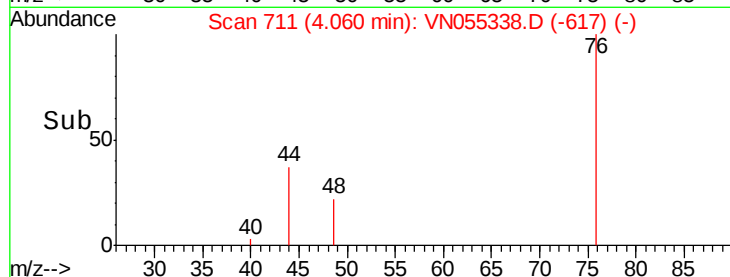
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

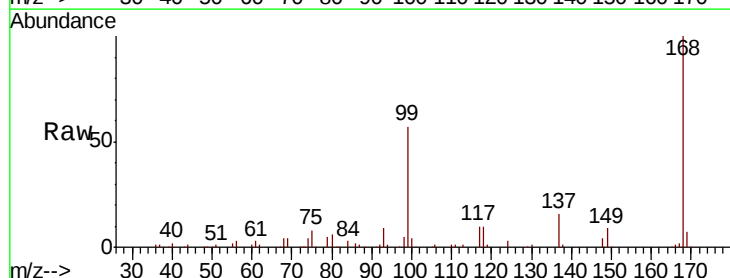
Tgt Ion: 56 Resp: 7490

Ion Ratio Lower Upper

56 100

69 158.5 25.2 37.8#

84 127.1 61.1 91.7#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

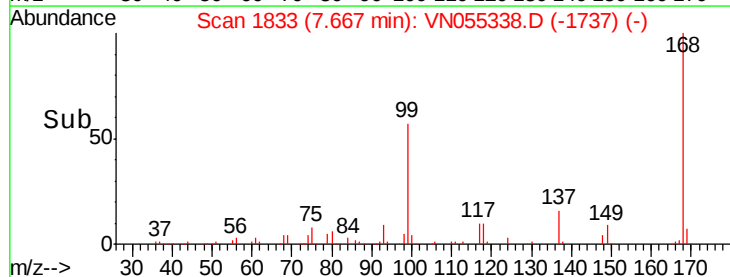
6000

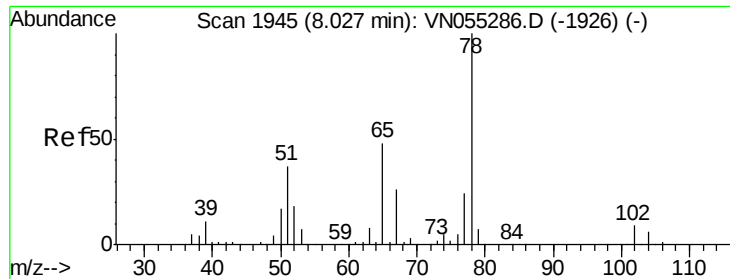
4000

2000

0

Time-->

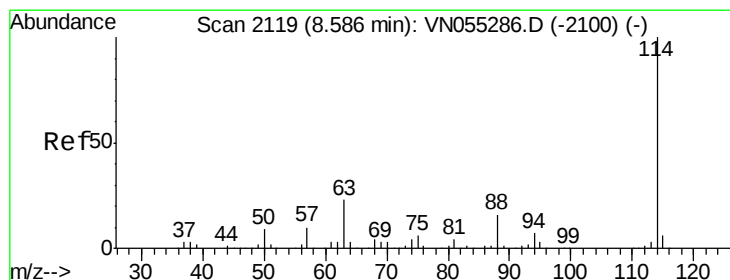
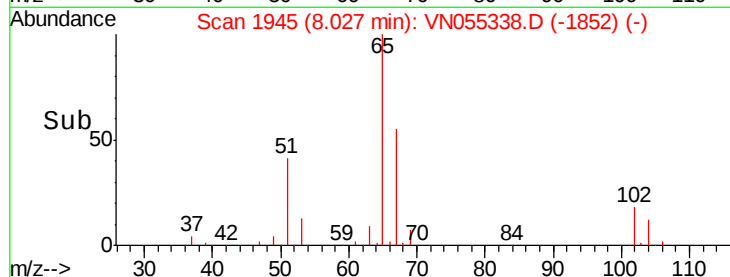
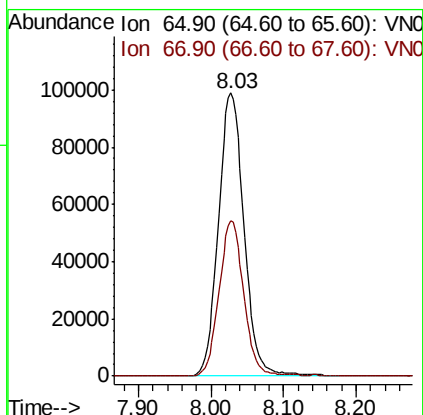
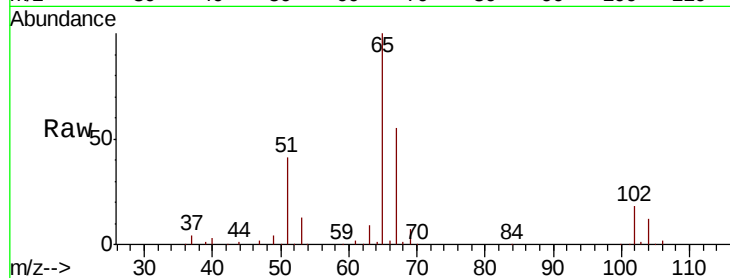




#33
 1,2-Dichloroethane-d4
 Concen: 55.164 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

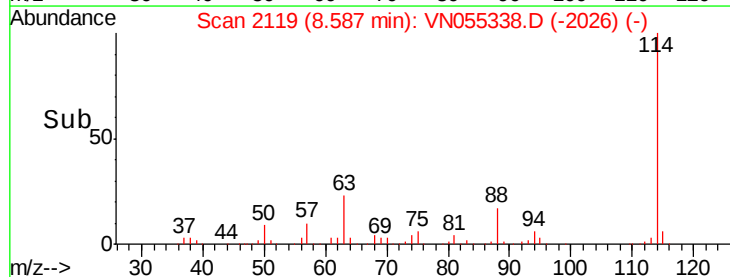
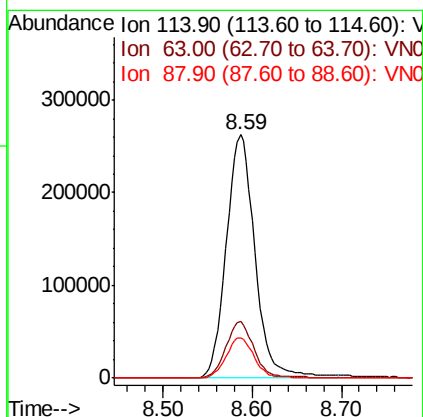
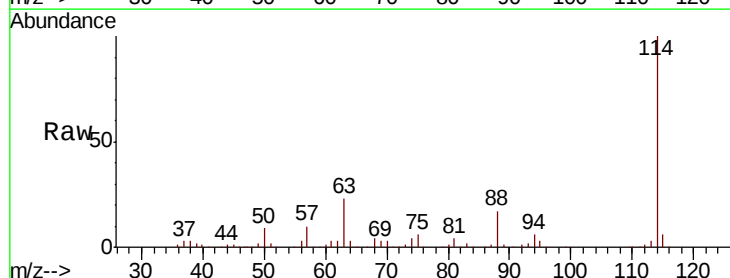
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBL01

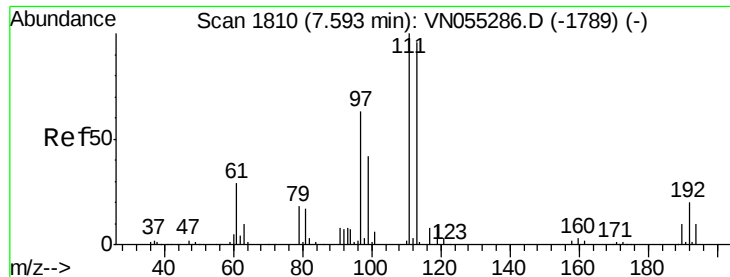
Tot Ion: 65 Resp: 242076
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

Tgt Ion: 114 Resp: 586584
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.2
 88 16.7 0.0 31.6

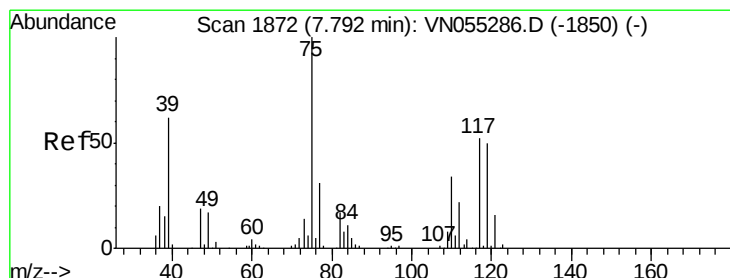
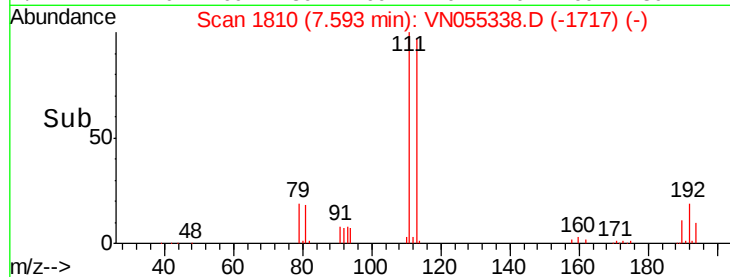
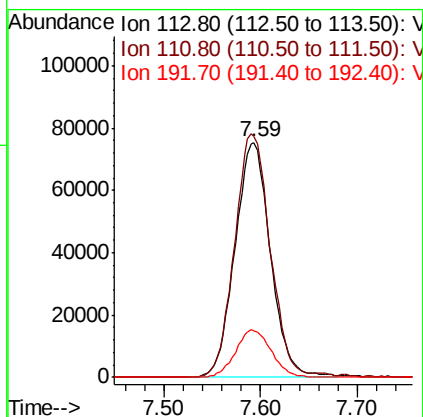
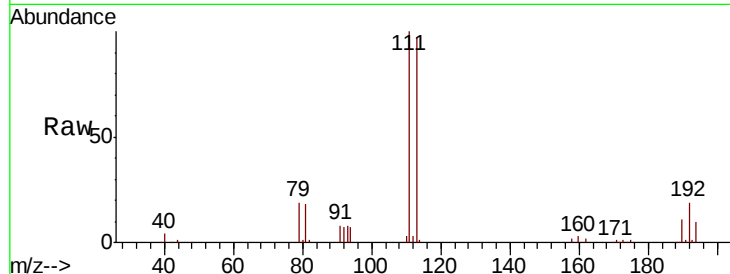




#35
 Dibromofluoromethane
 Concen: 50.007 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

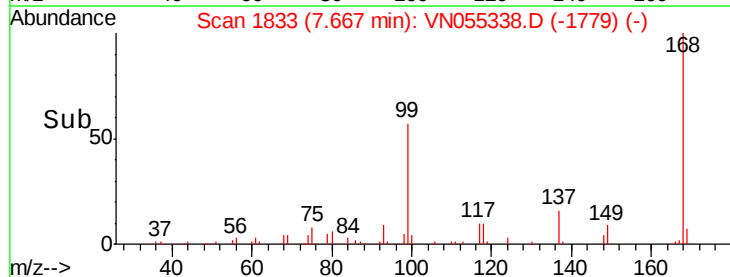
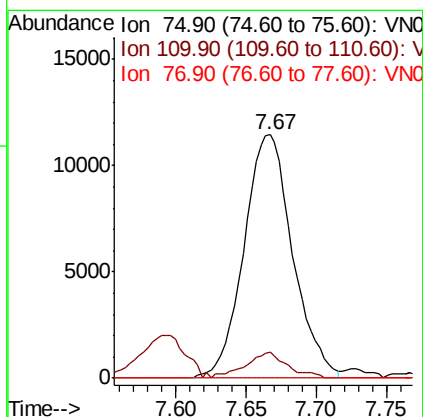
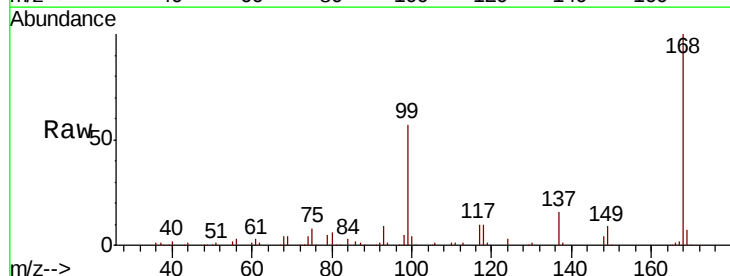
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBL01

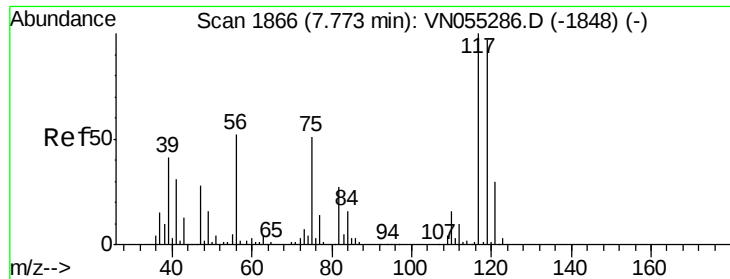
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.3	123.5
192	20.3	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.909 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBL01

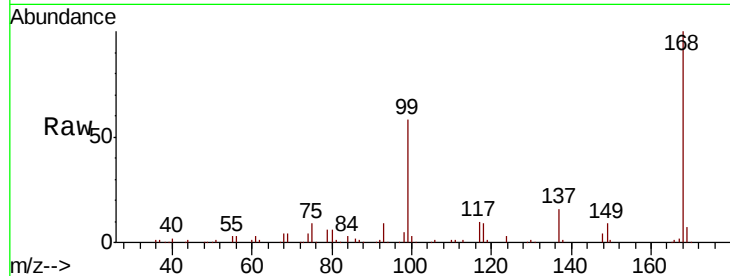
Tot Ion:117 Resp: 32064

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

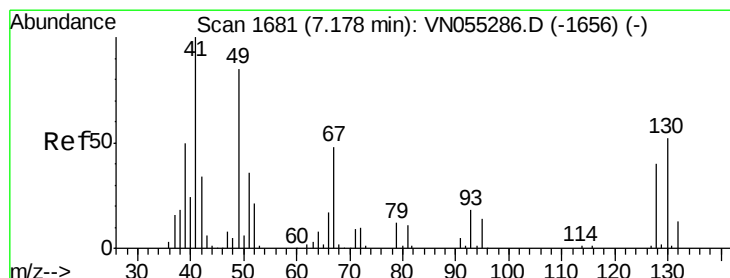
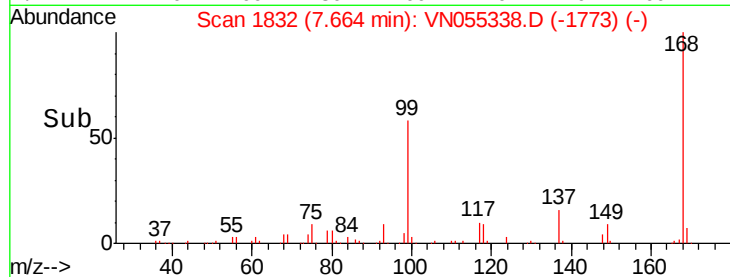
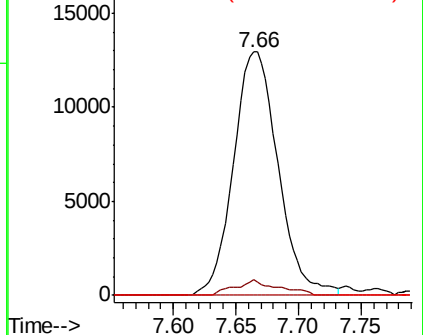
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 0.785 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.06 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Tgt Ion: 41 Resp: 107

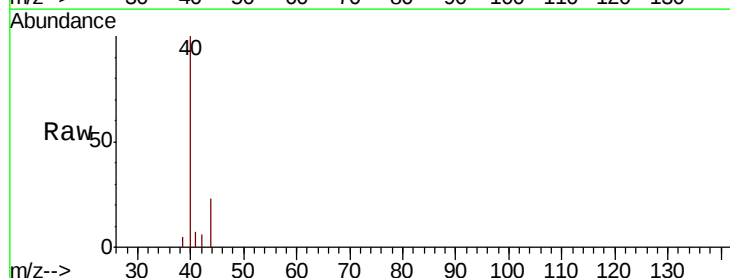
Ion Ratio Lower Upper

41 100

39 60.7 48.5 72.7

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

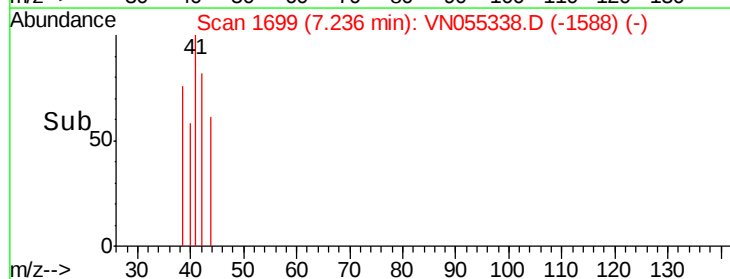
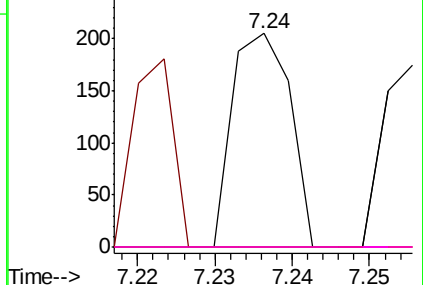


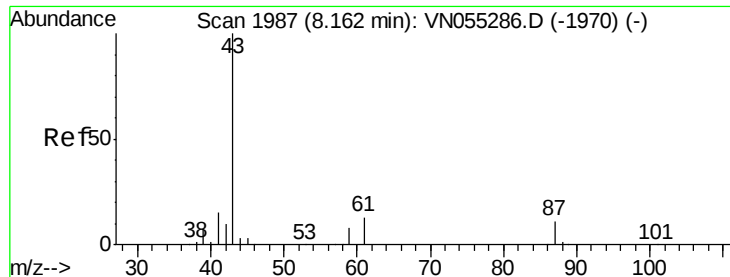
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 2.546 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBL01

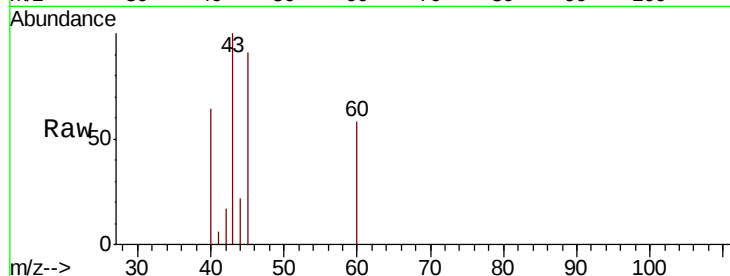
Tot Ion: 43 Resp: 17616

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

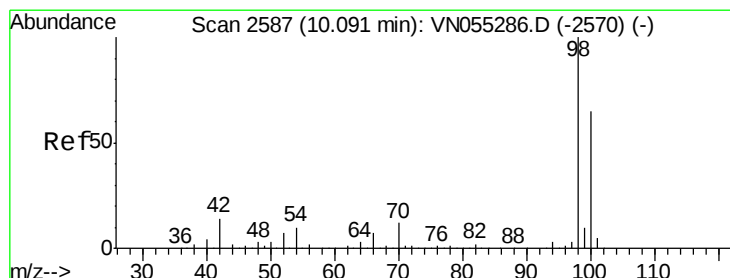
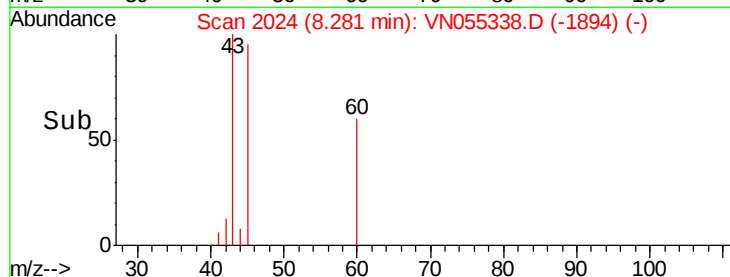
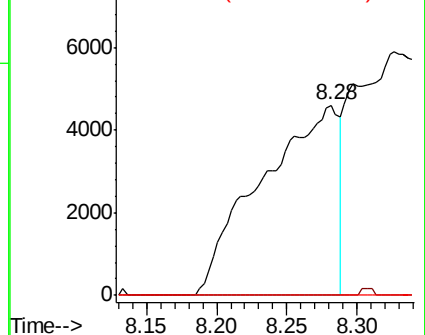
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 53.164 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055338.D

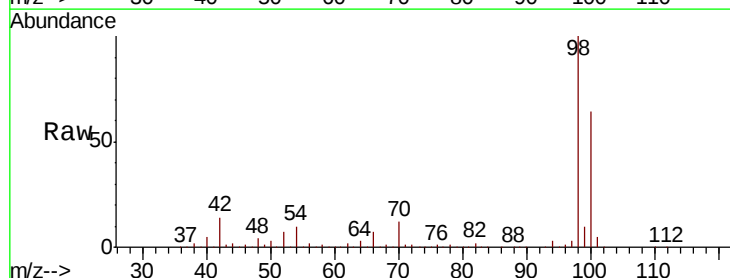
Acq: 2 May 2019 9:56

Tgt Ion: 98 Resp: 739113

Ion Ratio Lower Upper

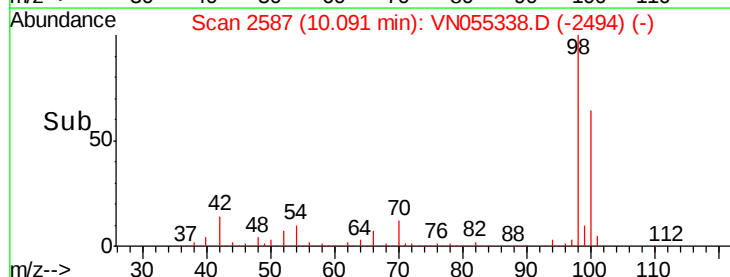
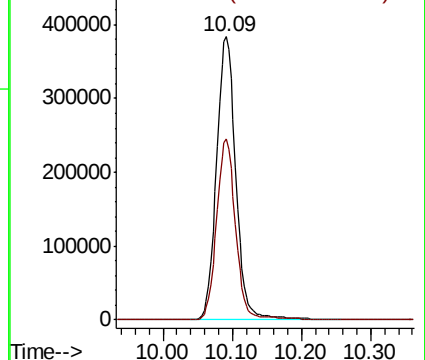
98 100

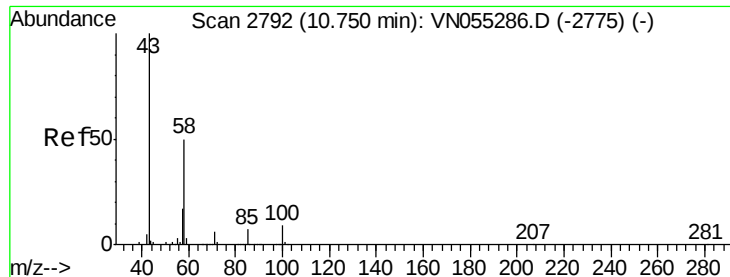
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

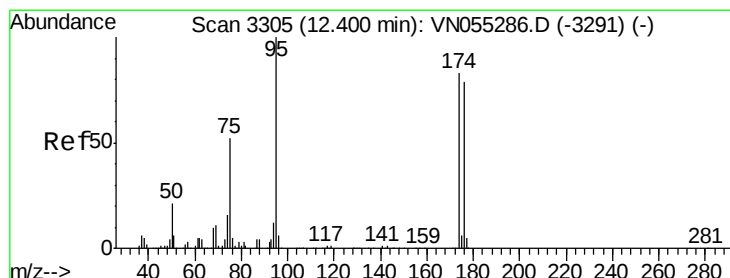
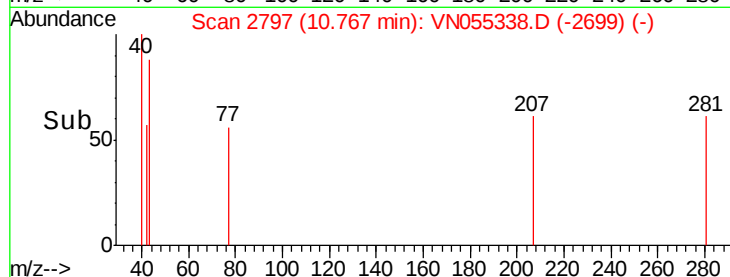
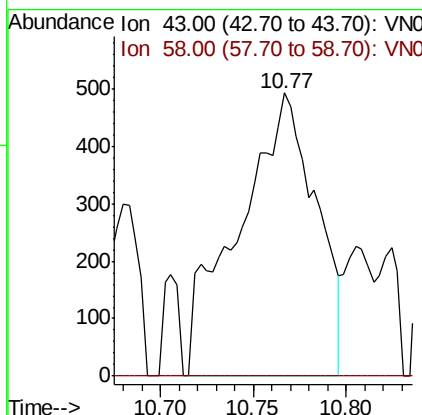
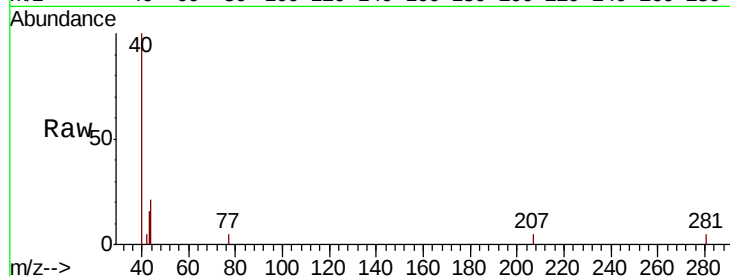




#59
2-Hexanone
Concen: 0.588 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN055338.D
Acq: 2 May 2019 9:56

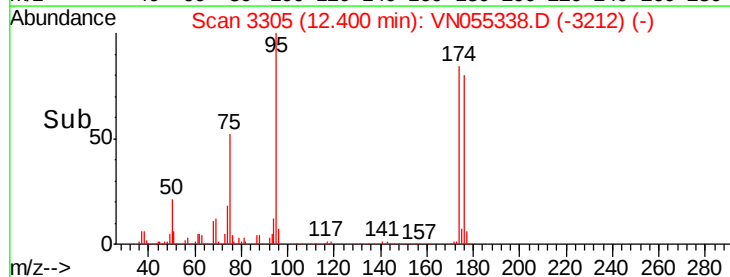
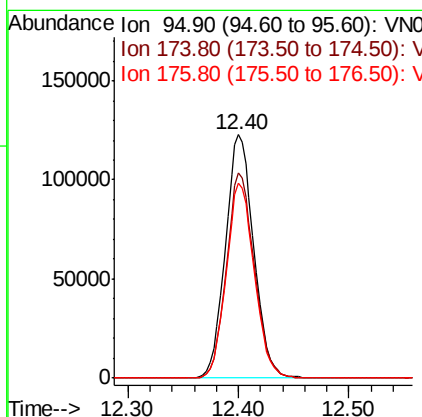
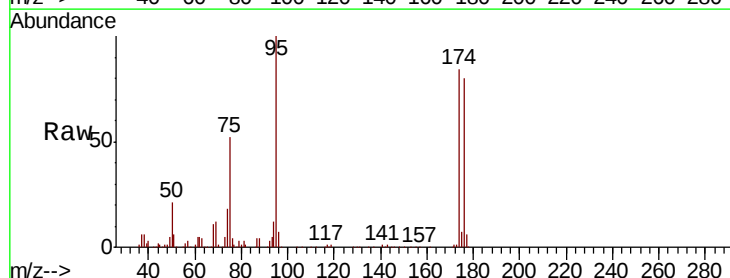
Instrument :
MSVOA_N
ClientSampled :
VN0502WBL01

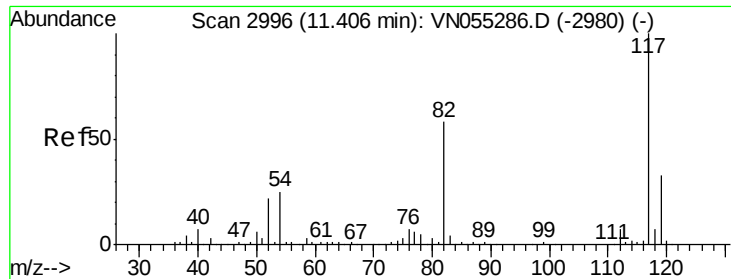
Tot Ion: 43 Resp: 1434
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.153 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055338.D
Acq: 2 May 2019 9:56

Tgt Ion: 95 Resp: 217916
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.6
176 79.4 0.0 157.8

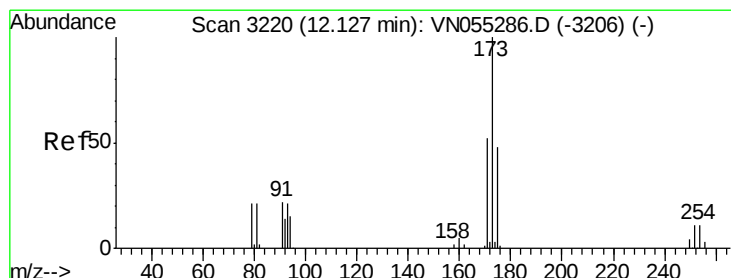
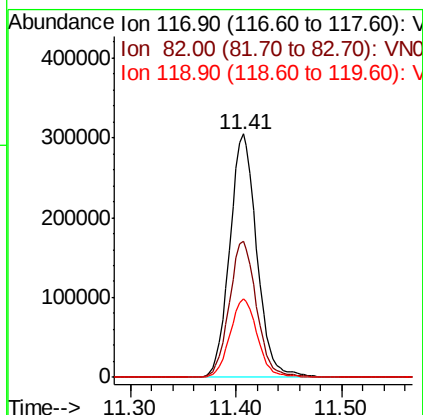
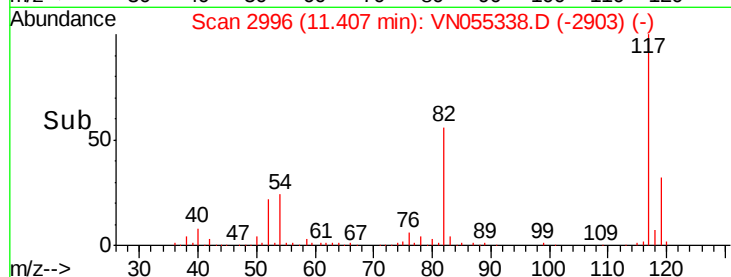
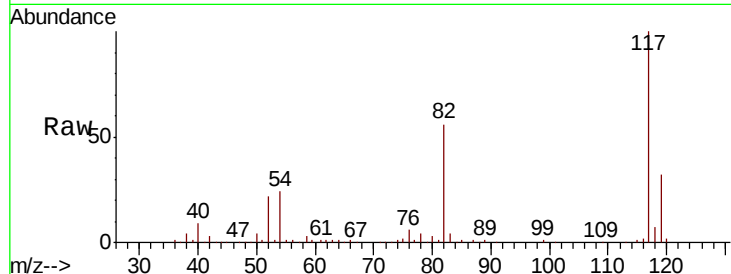




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055338.D
Acq: 2 May 2019 9:56

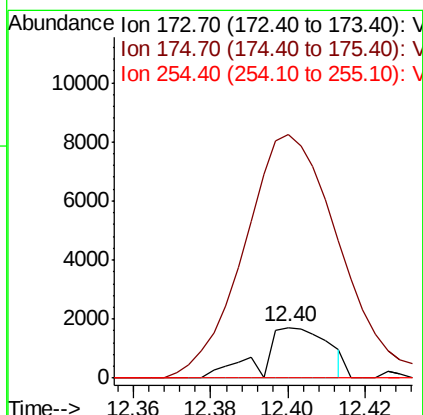
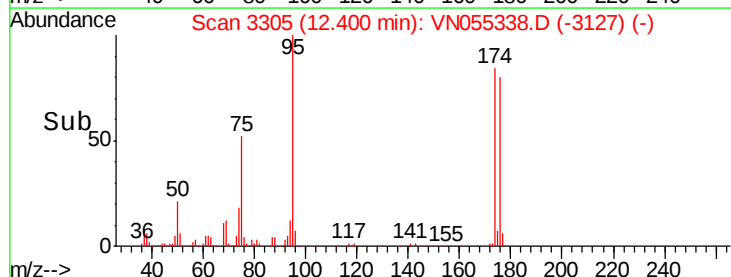
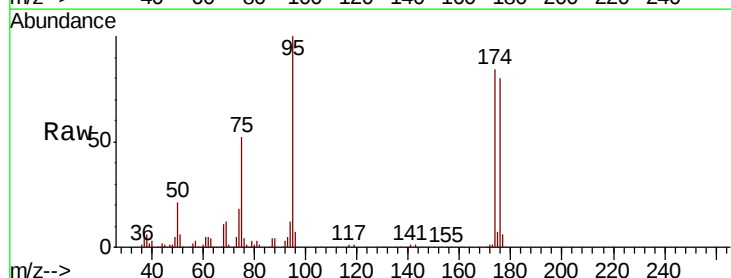
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

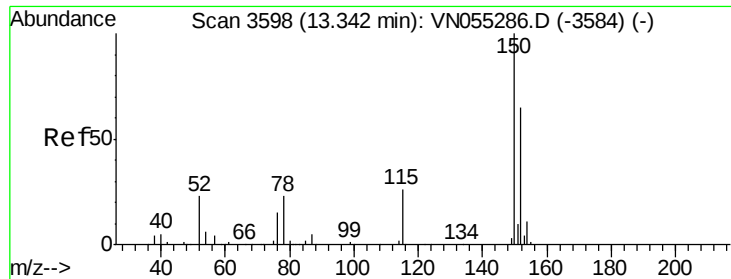
Tot Ion:117 Resp: 540937
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.2 26.6 40.0



#71
Bromoform
Concen: 0.895 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055338.D
Acq: 2 May 2019 9:56

Tgt Ion:173 Resp: 2056
Ion Ratio Lower Upper
173 100
175 595.8 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBL01

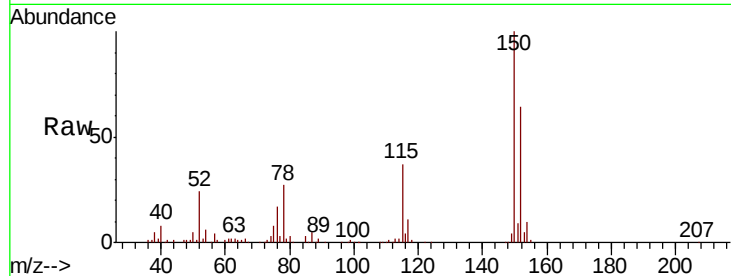
Tot Ion:152 Resp: 139752

Ion Ratio Lower Upper

152 100

115 56.5 29.0 87.0

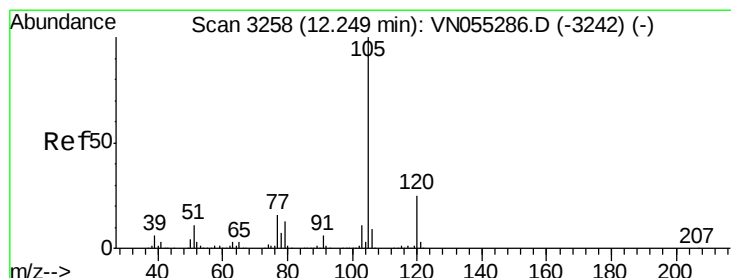
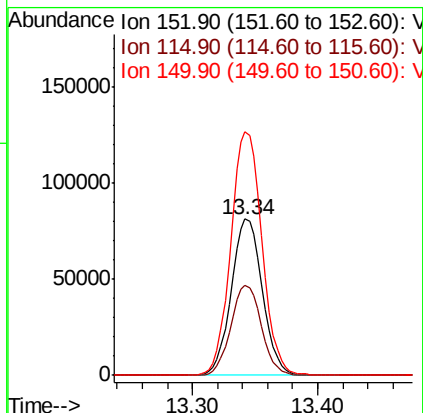
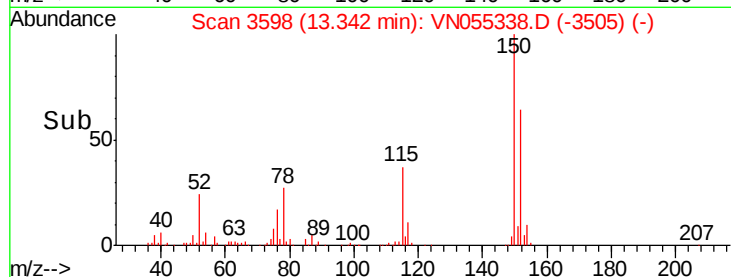
150 155.8 0.0 345.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055338.D

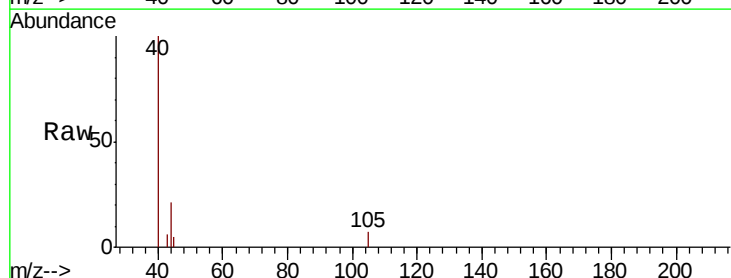
Acq: 2 May 2019 9:56

Tgt Ion:105 Resp: 306

Ion Ratio Lower Upper

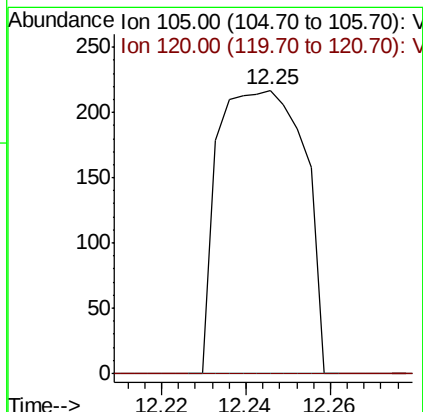
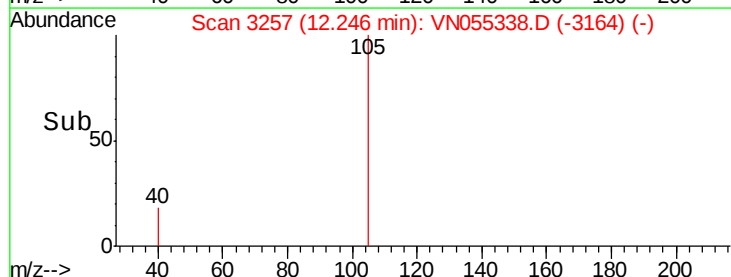
105 100

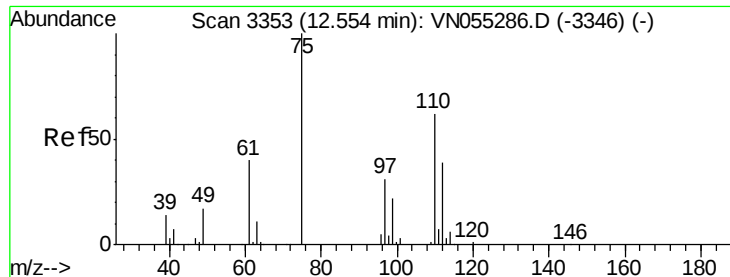
120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

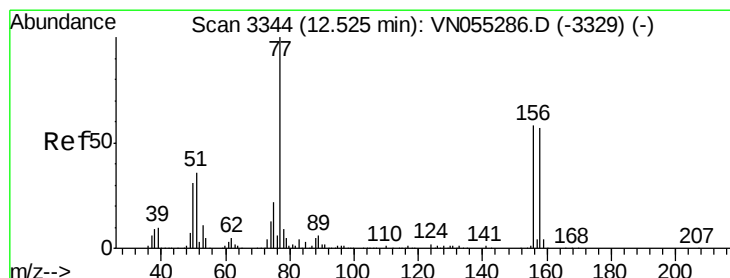
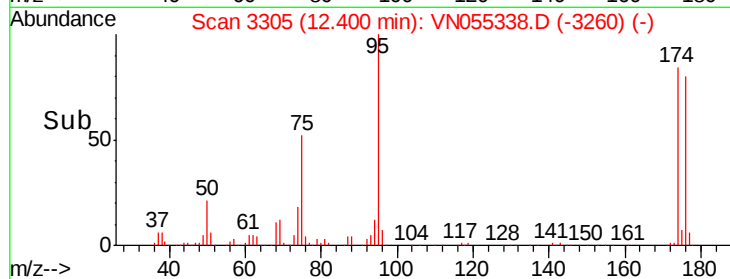
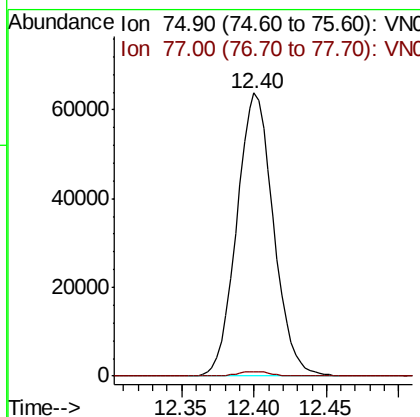
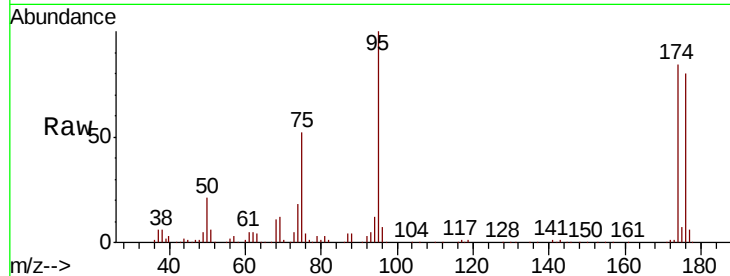




#76
 1,2,3-Trichloropropane
 Concen: 42.877 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

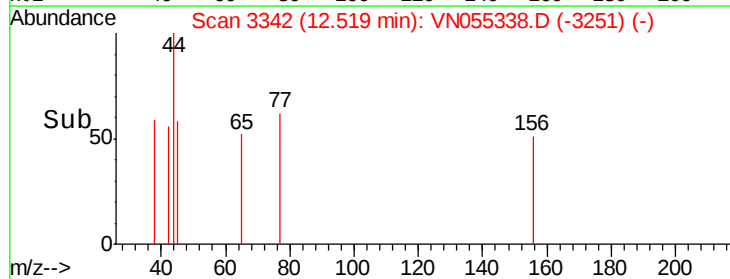
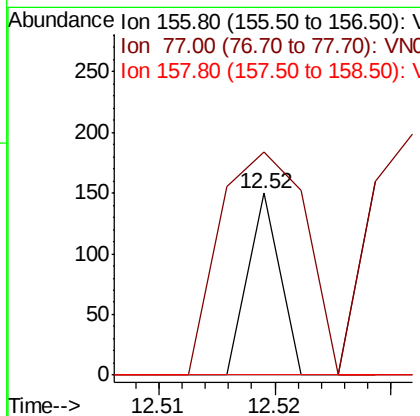
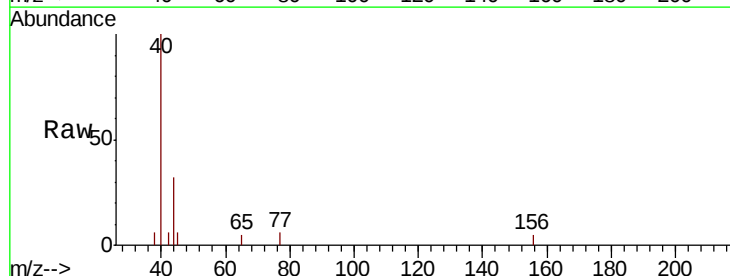
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBL01

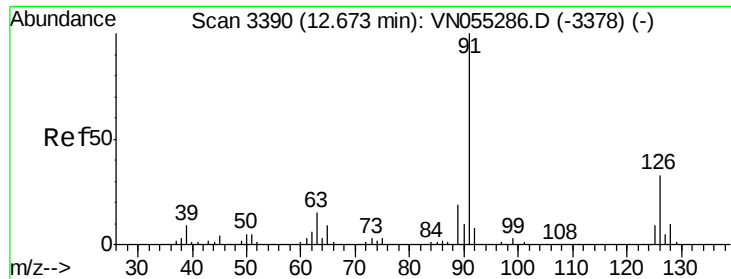
Tot Ion: 75 Resp: 112310
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

Tgt Ion: 156 Resp: 29
 Ion Ratio Lower Upper
 156 100
 77 327.6 99.6 298.8#
 158 0.0 49.3 147.8#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

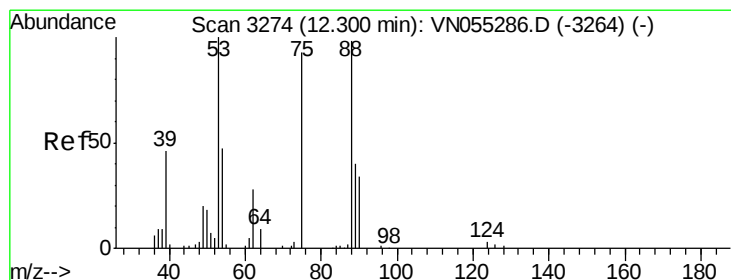
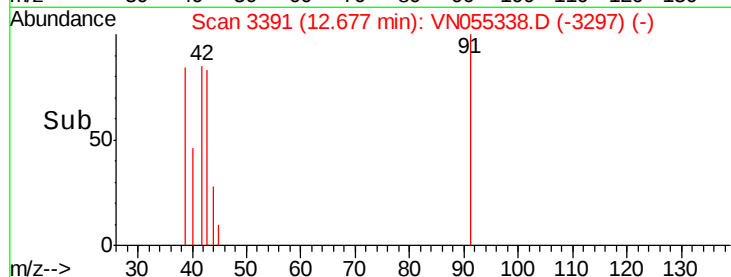
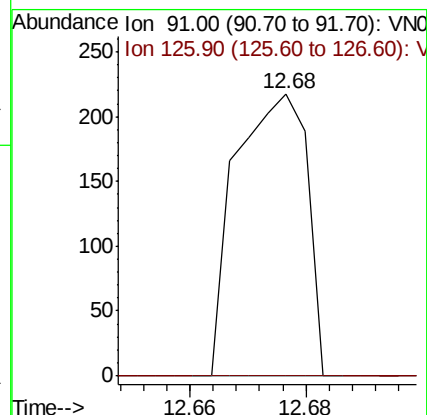
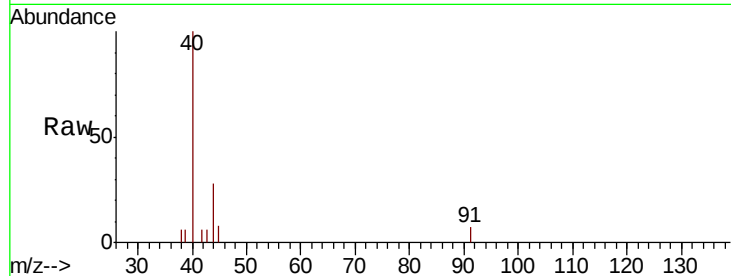
VN0502WBL01

Tot Ion: 91 Resp: 185

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.295 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

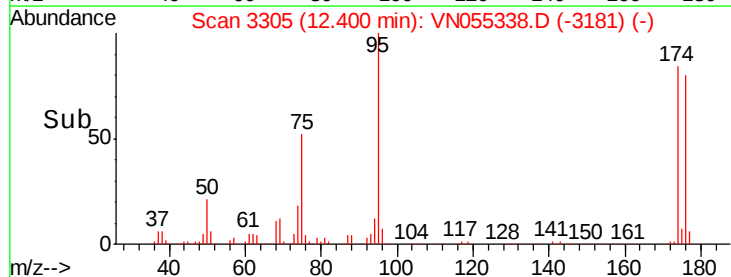
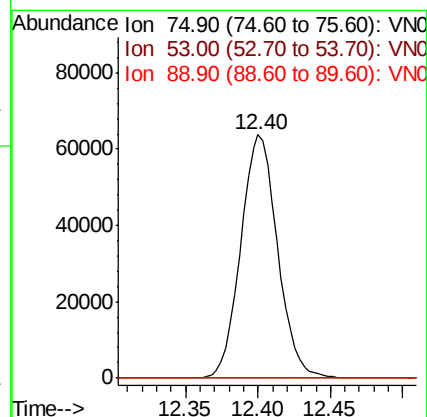
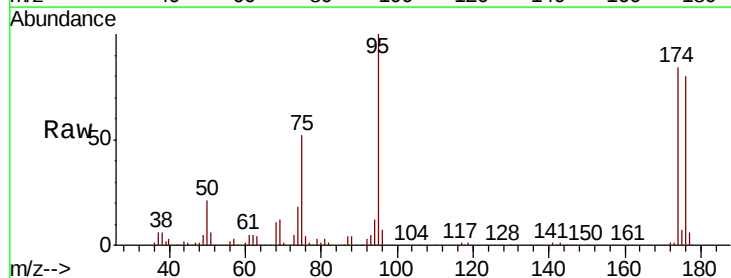
Tgt Ion: 75 Resp: 112310

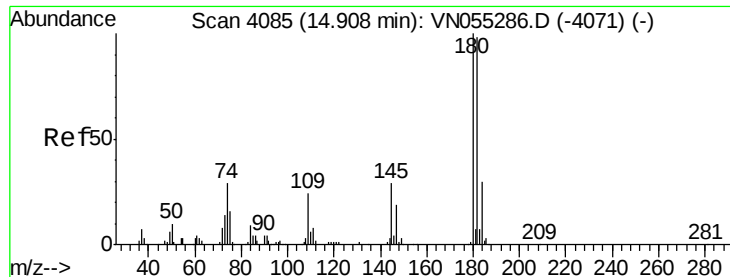
Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.1 34.6 51.8#

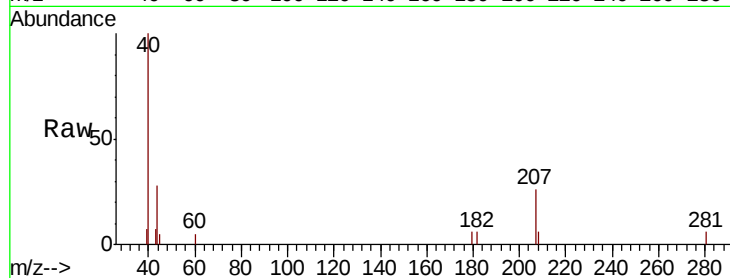




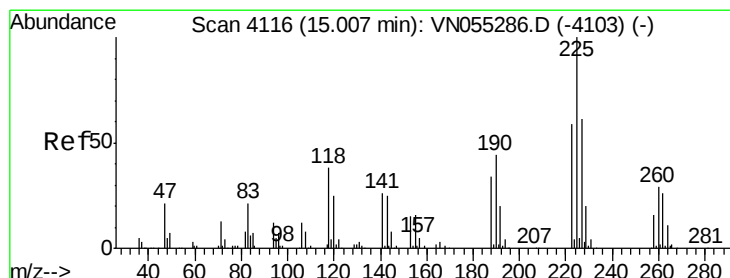
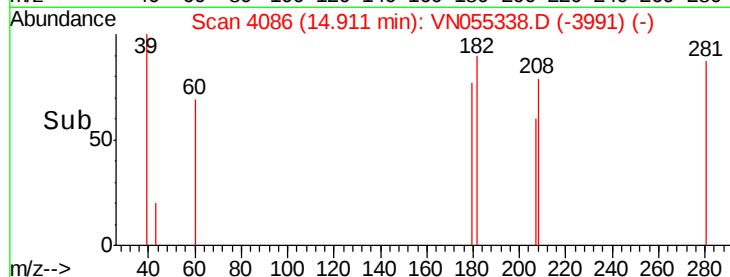
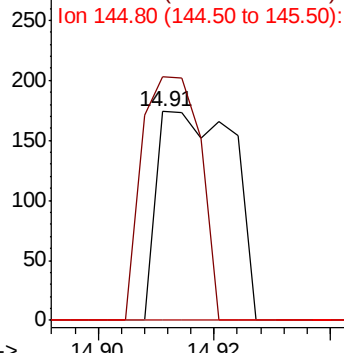
#93
 1,2,4-Trichlorobenzene
 Concen: 3.391 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502WBL01

Tot Ion:180 Resp: 158
 Ion Ratio Lower Upper
 180 100
 182 88.6 48.3 144.9
 145 0.0 14.2 42.6#

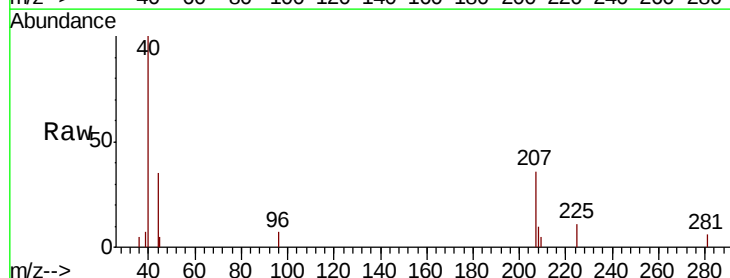


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

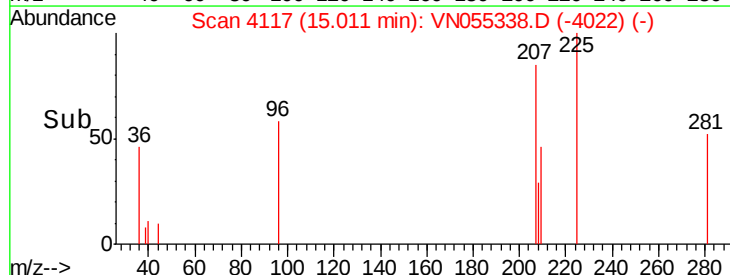
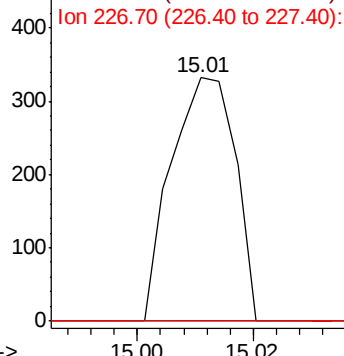


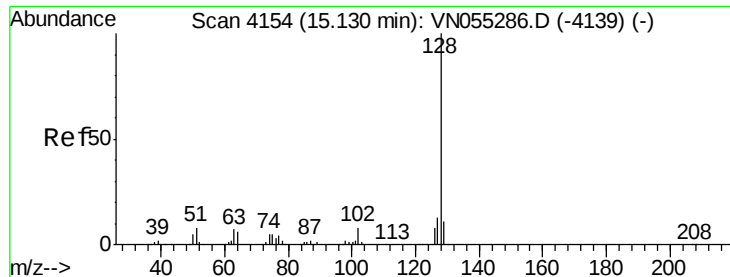
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055338.D
 Acq: 2 May 2019 9:56

Tgt Ion:225 Resp: 253
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.3 90.8#
 227 0.0 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.464 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBL01

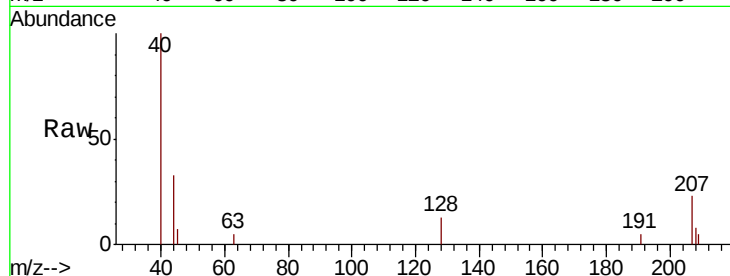
Tot Ion:128 Resp: 564

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

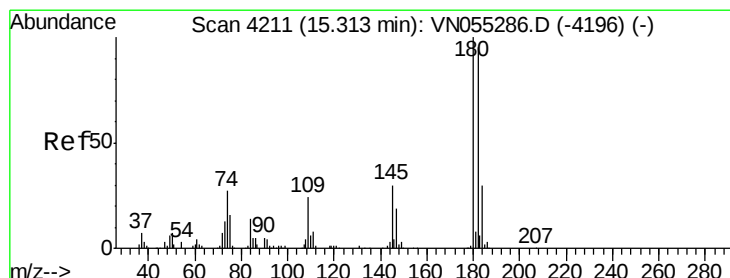
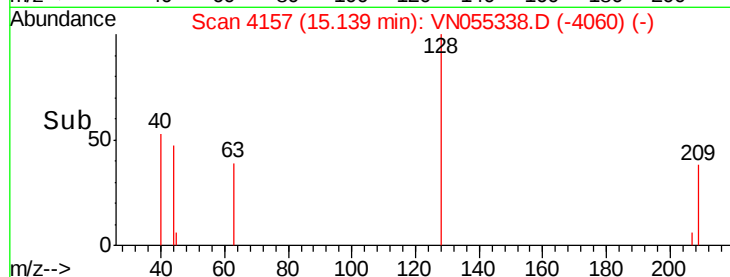
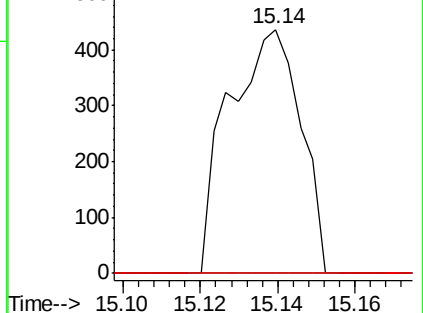
129 0.0 8.6 13.0#



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: 2.723 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055338.D

Acq: 2 May 2019 9:56

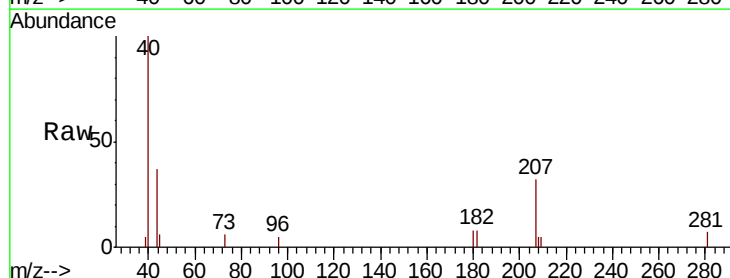
Tgt Ion:180 Resp: 209

Ion Ratio Lower Upper

180 100

182 153.6 48.3 144.9#

145 0.0 15.2 45.6#



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

