

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054958.D
 Acq On : 4 Apr 2019 19:57
 Operator : JC/SP
 Sample : K2193-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-A

Quant Time: Apr 05 03:21:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	520477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306386	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	343972	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.59	113	275204	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.09	98	1048907	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	340324	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds					Qvalue
11) Tert butyl alcohol	4.83	59	220	0.621 ug/l #	82
13) Acrolein	3.61	56	344	4.793 ug/l	94
14) Allyl chloride	4.55	41	23900	2.347 ug/l #	24
16) Acetone	3.82	43	11123	Below Cal	98
18) Methyl Acetate	4.34	43	4246	Below Cal #	67
20) Methylene Chloride	4.55	84	565961	88.862 ug/l	98
25) 2-Butanone	6.86	43	1151	0.447 ug/l #	88
29) Tetrahydrofuran	7.23	42	1333	0.789 ug/l #	44
31) Cyclohexane	7.66	56	11136	Below Cal #	14
36) 1,1-Dichloropropene	7.67	75	40083	4.636 ug/l #	50
38) Carbon Tetrachloride	7.66	117	48076	5.758 ug/l #	18
43) Isopropyl Acetate	8.17	43	16817	1.682 ug/l	96
45) 1,2-Dichloropropane	9.28	63	1533	0.221 ug/l #	44
48) Methyl methacrylate	9.19	41	8852	1.749 ug/l #	17
49) 1,4-Dioxane	9.28	88	64	1.253 ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9703	1.739 ug/l #	39
53) t-1,3-Dichloropropene	10.09	75	104	2.039 ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	63583	6.843 ug/l #	68
57) 1,3-Dichloropropane	10.76	76	10413	1.121 ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.97	63	29	9.863 ug/l #	51
59) 2-Hexanone	10.77	43	188667	54.148 ug/l #	54
69) o-Xylene	11.95	106	6256	0.628 ug/l	87
71) Bromoform	12.40	173	2156	0.632 ug/l #	1
74) N-ethyl acetate	11.88	43	21618	3.005 ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.57	83	29	Below Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	177977	36.762 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	48583	2.286 ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	177977	134.181 ug/l #	4
82) 4-Chlorotoluene	12.73	91	5653	0.338 ug/l #	41
84) 1,2,4-Trimethylbenzene	13.04	105	34498	1.677 ug/l	97
86) p-Isopropyltoluene	13.29	119	6709	0.333 ug/l	98
89) n-Butylbenzene	13.58	91	3723	0.231 ug/l #	1
90) Hexachloroethane	13.89	117	3013	0.890 ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.25	75	267	0.301 ug/l #	1

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Response via : Initial Calibration

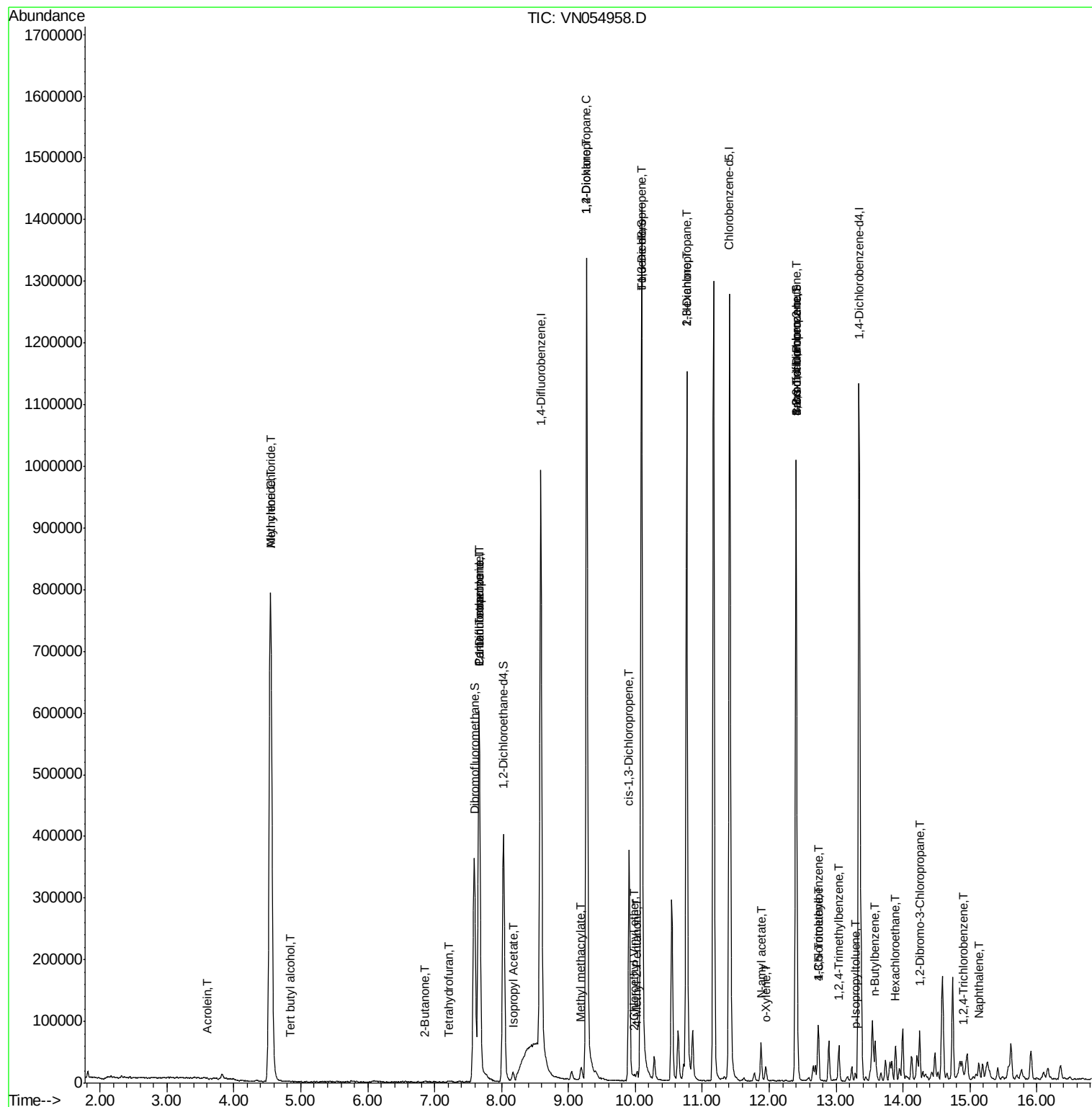
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	196	2.488	ug/l #	1
95) Naphthalene	15.13	128	20923	4.569	ug/l	96

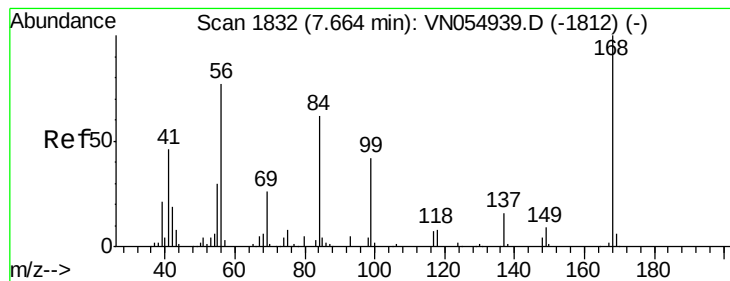
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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HR-06-040319-A

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Quant Title : SW846 8260
QLast Update : Fri Apr 05 02:23:47 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: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

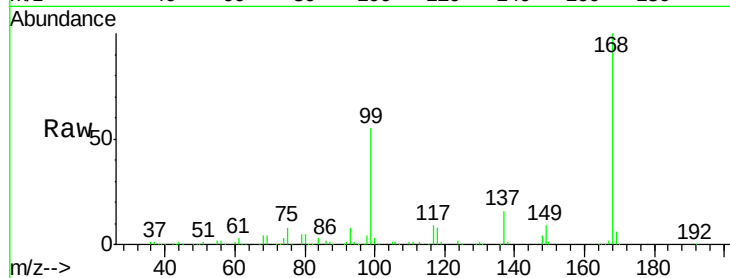
HR-06-040319-A

Tgt Ion:168 Resp: 520477

Ion Ratio Lower Upper

168 100

99 55.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN054939.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN054939.D (-1812) (-)

7.67

250000

200000

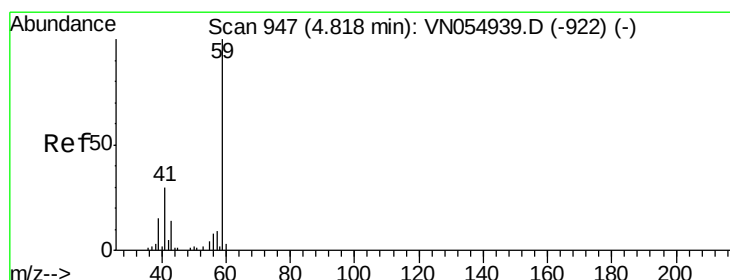
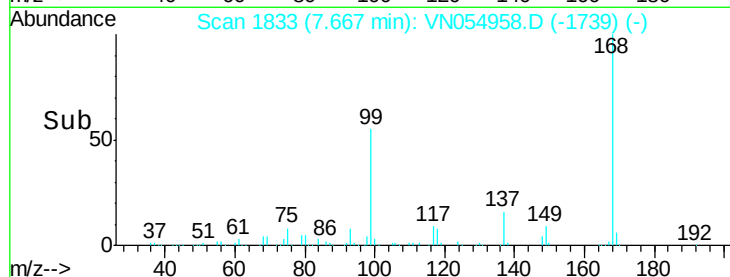
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.621 ug/l

RT: 4.83 min Scan# 950

Delta R.T. 0.01 min

Lab File: VN054958.D

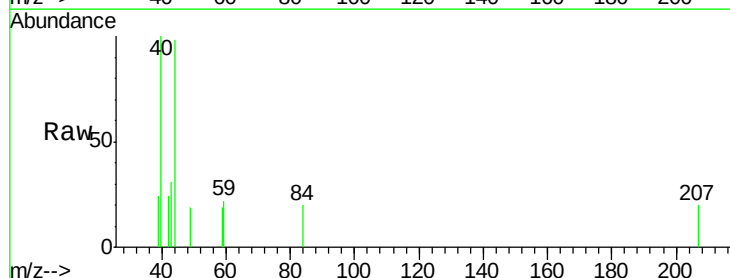
Acq: 4 Apr 2019 19:57

Tgt Ion: 59 Resp: 220

Ion Ratio Lower Upper

59 100

57 0.0 5.0 7.4#



Abundance Ion 59.00 (58.70 to 59.70): VN054939.D (-922) (-)

Ion 57.00 (56.70 to 57.70): VN054939.D (-922) (-)

4.83

400

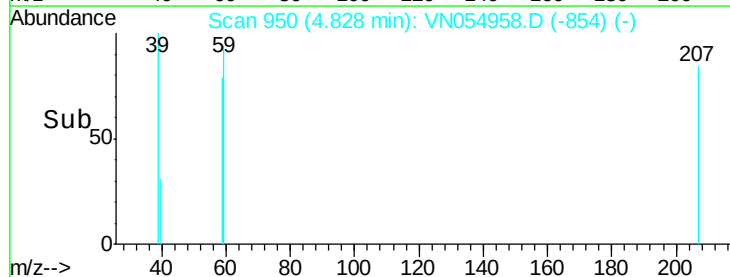
300

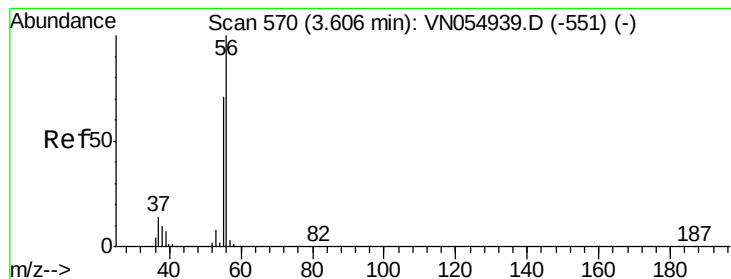
200

100

0

Time-->





#13

Acrolein

Concen: 4.793 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

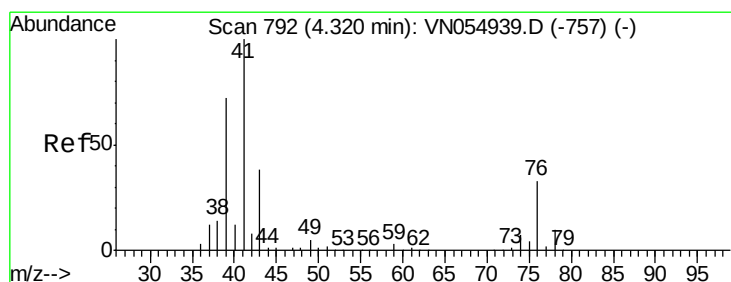
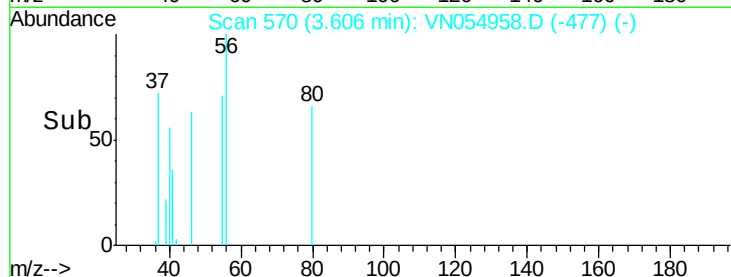
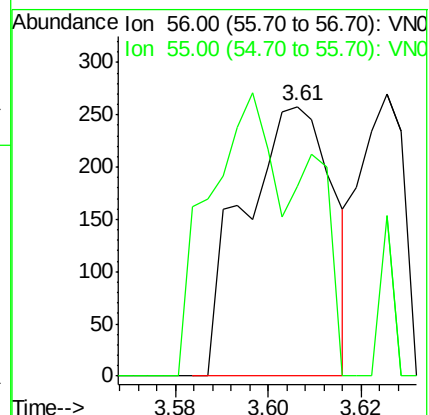
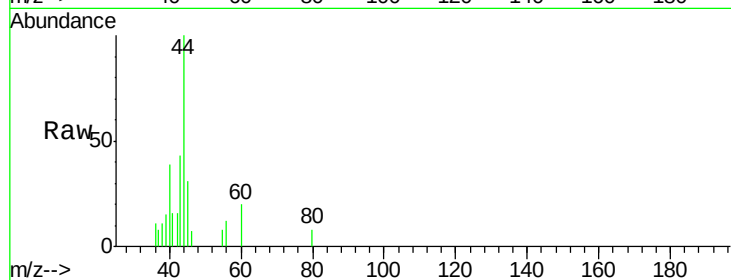
HR-06-040319-A

Tgt Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 78.5 58.6 87.8



#14

Allyl chloride

Concen: 2.347 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

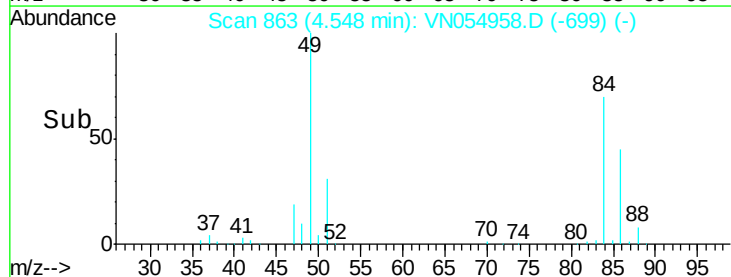
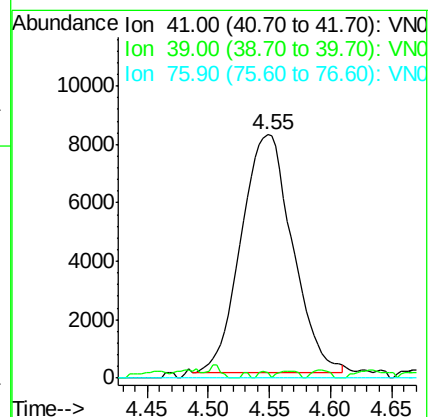
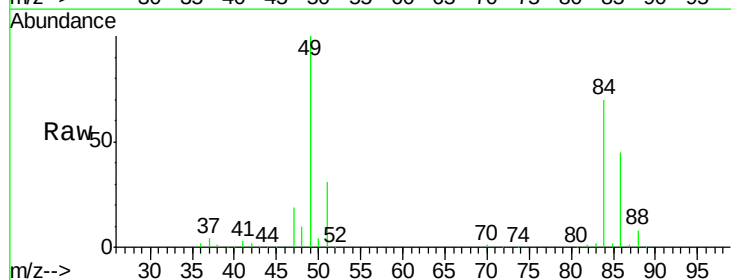
Tgt Ion: 41 Resp: 23900

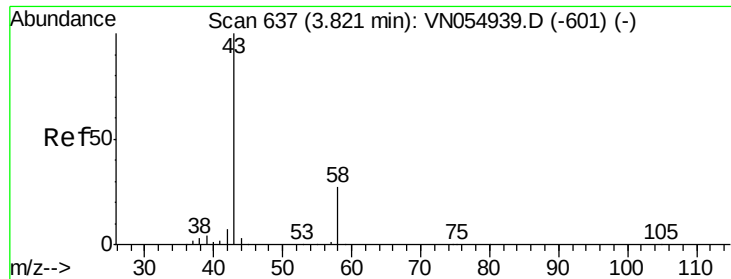
Ion Ratio Lower Upper

41 100

39 0.5 55.4 83.2#

76 0.0 23.8 35.8#

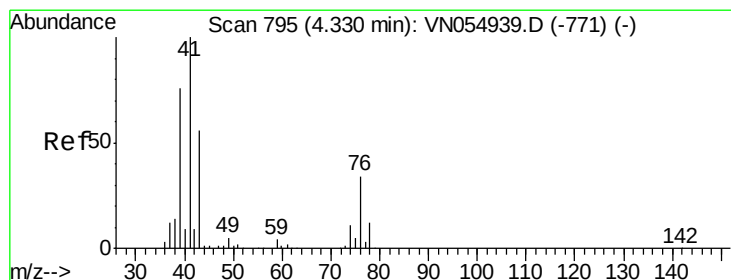
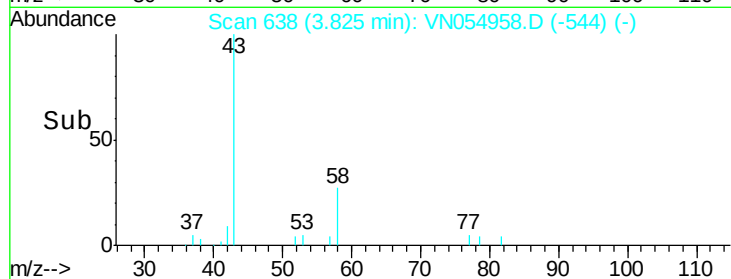
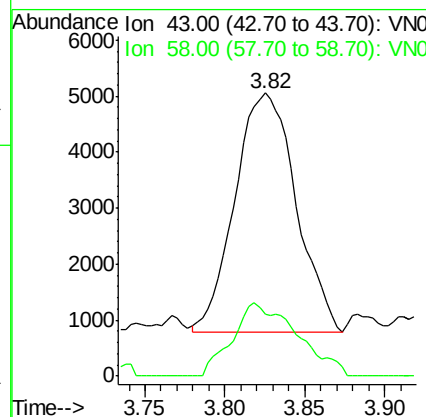
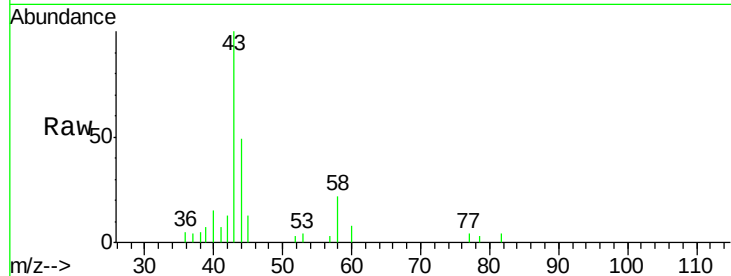




#16
 Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

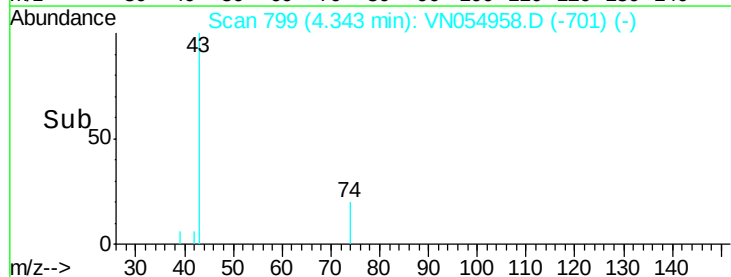
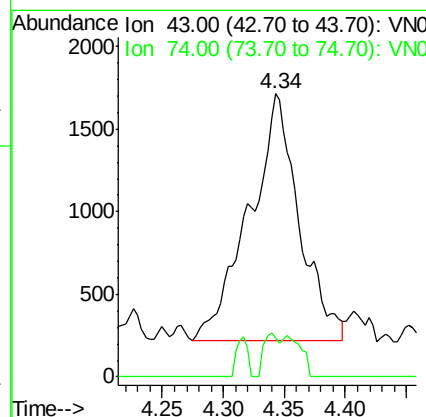
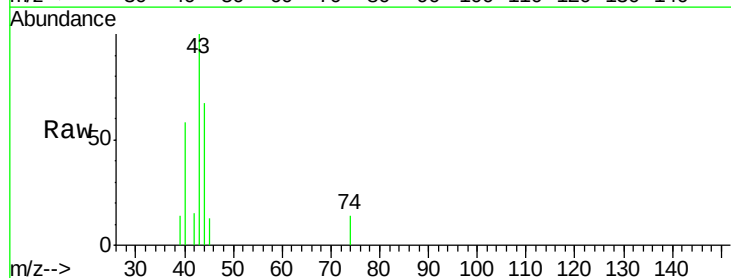
Instrument :
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 HR-06-040319-A

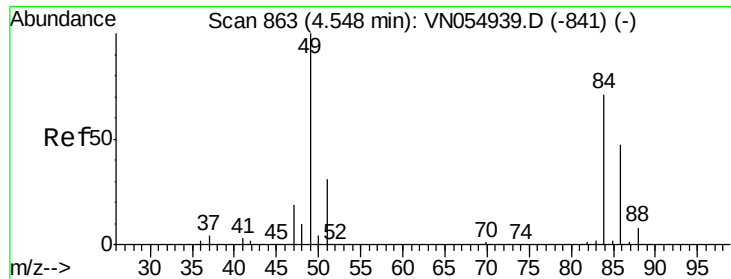
Tgt Ion: 43 Resp: 11123
 Ion Ratio Lower Upper
 43 100
 58 25.9 21.7 32.5



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 4.34 min Scan# 799
 Delta R.T. 0.01 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 43 Resp: 4246
 Ion Ratio Lower Upper
 43 100
 74 5.2 16.4 24.6#

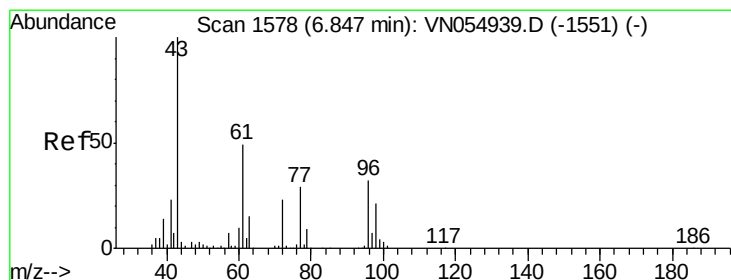
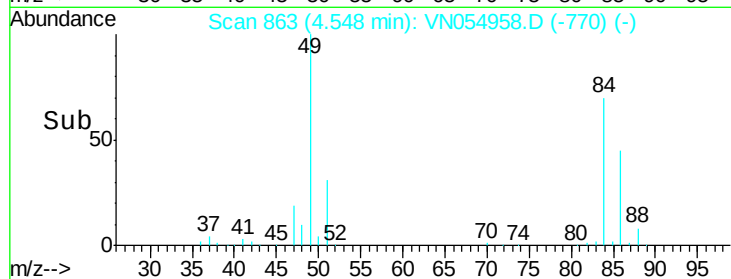
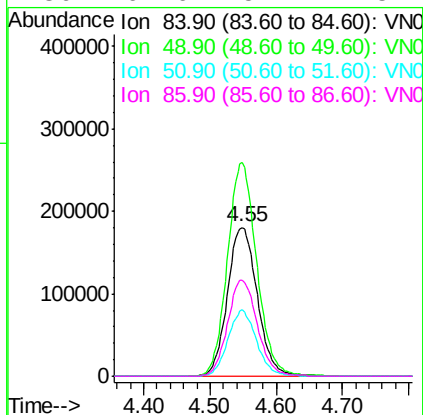
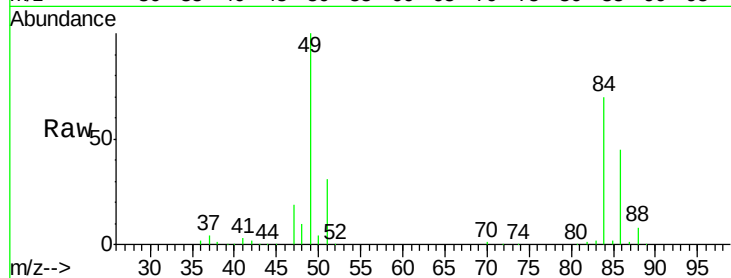




#20
Methylene Chloride
Concen: 88.862 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054958.D
Acq: 4 Apr 2019 19:57

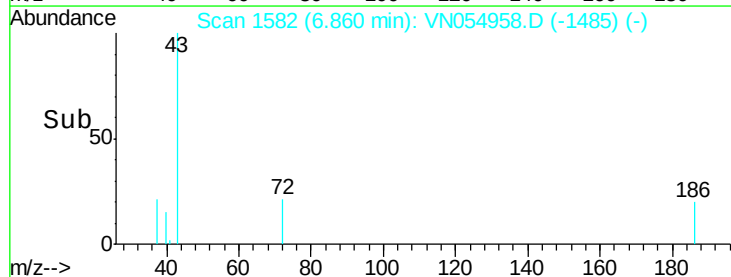
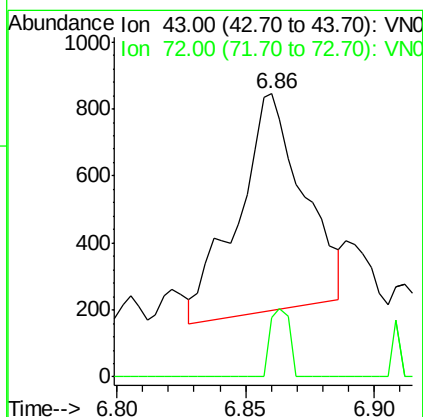
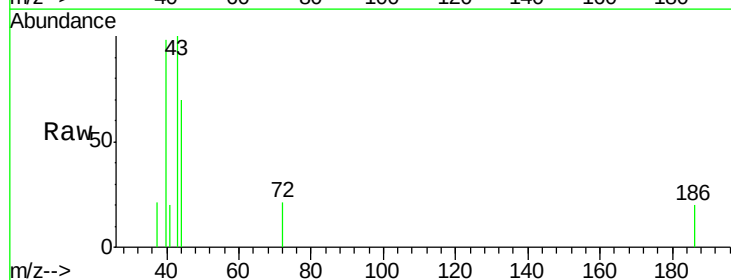
Instrument :
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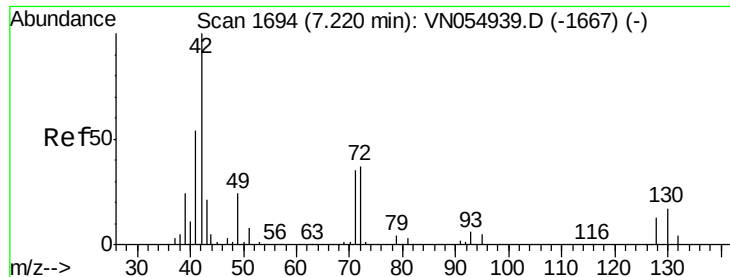
Tgt Ion: 84 Resp: 565961
Ion Ratio Lower Upper
84 100
49 143.7 112.1 168.1
51 44.5 34.5 51.7
86 64.6 52.2 78.4



#25
2-Butanone
Concen: 0.447 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VN054958.D
Acq: 4 Apr 2019 19:57

Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
72 28.9 18.3 27.5#





#29

Tetrahydrofuran

Concen: 0.789 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

HR-06-040319-A

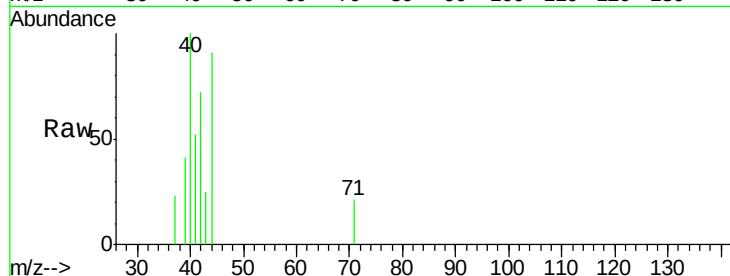
Tgt Ion: 42 Resp: 1333

Ion Ratio Lower Upper

42 100

72 5.8 29.3 43.9#

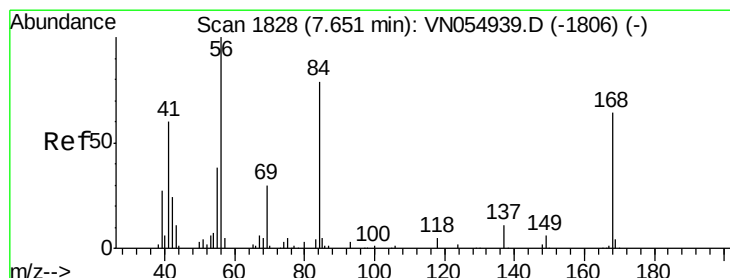
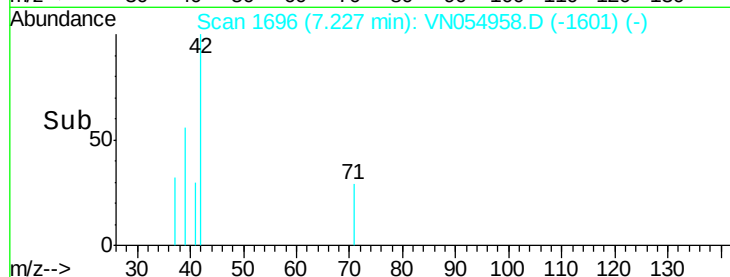
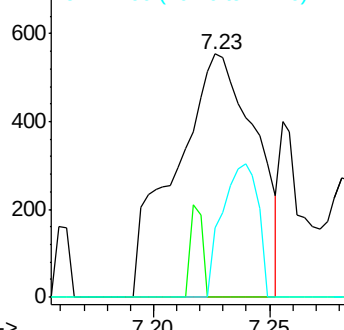
71 0.0 27.8 41.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

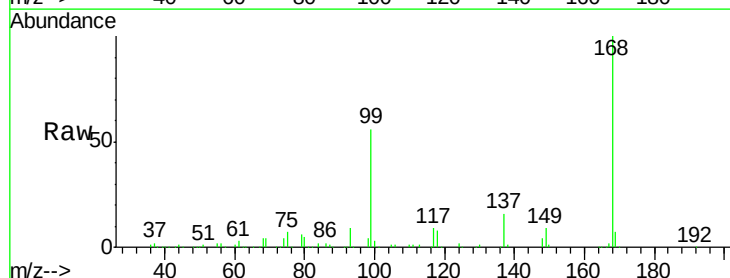
Tgt Ion: 56 Resp: 11136

Ion Ratio Lower Upper

56 100

69 166.9 23.8 35.6#

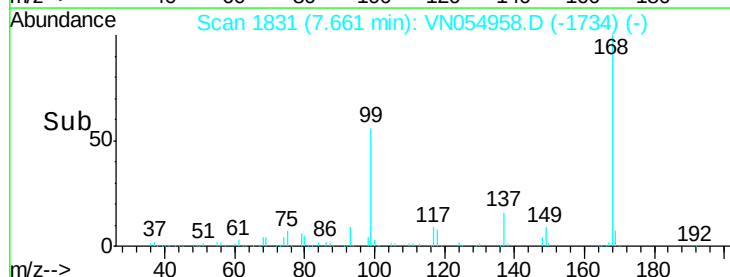
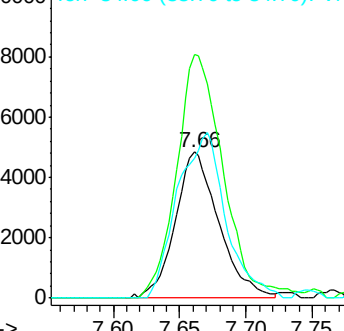
84 95.9 61.8 92.8#

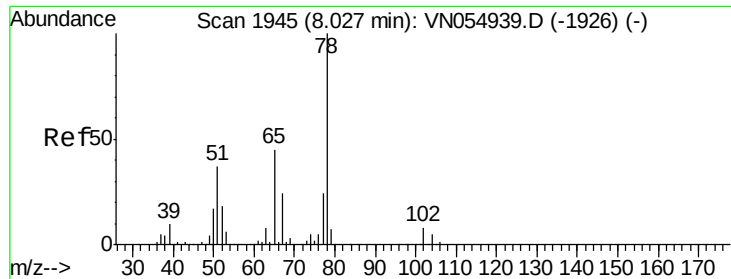


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

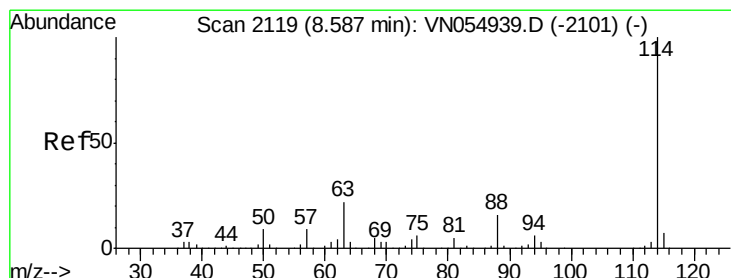
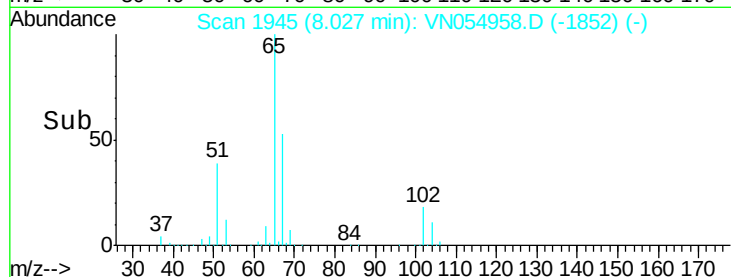
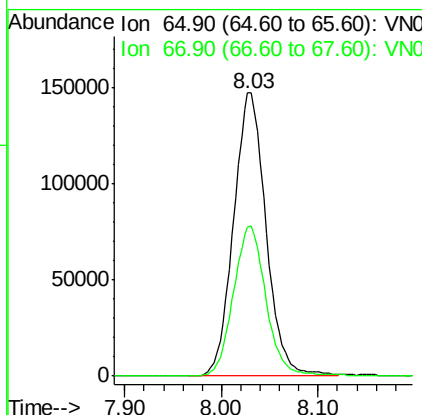
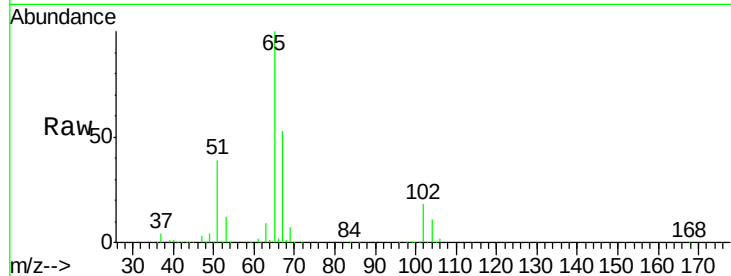




#33
 1,2-Dichloroethane-d4
 Concen: 50.125 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

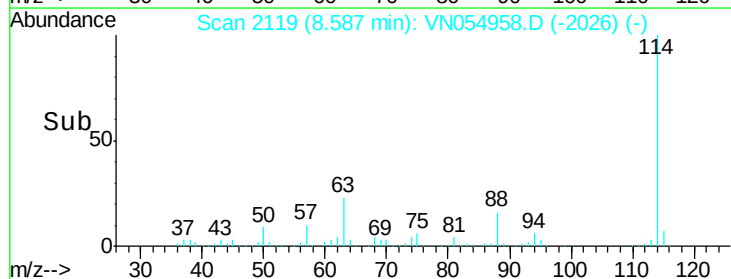
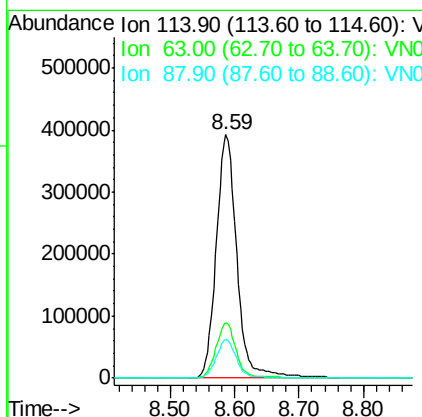
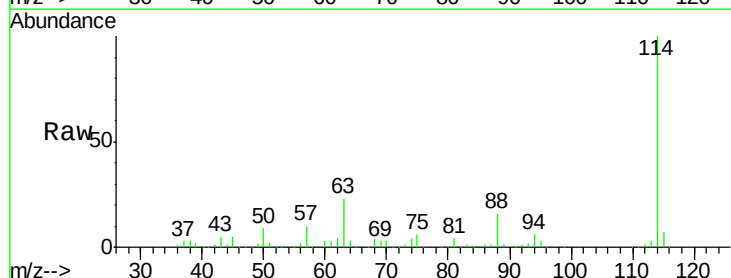
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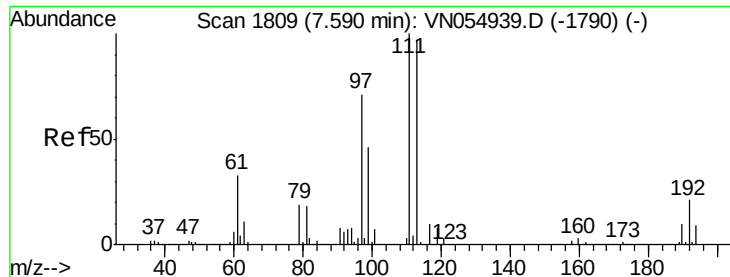
Tgt Ion: 65 Resp: 343972
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 114 Resp: 872557
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.6
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.452 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-A

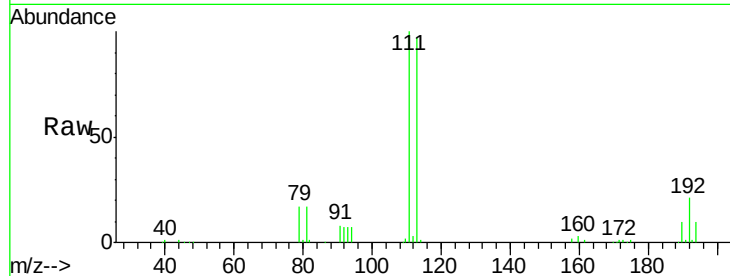
Tgt Ion:113 Resp: 275204

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.4

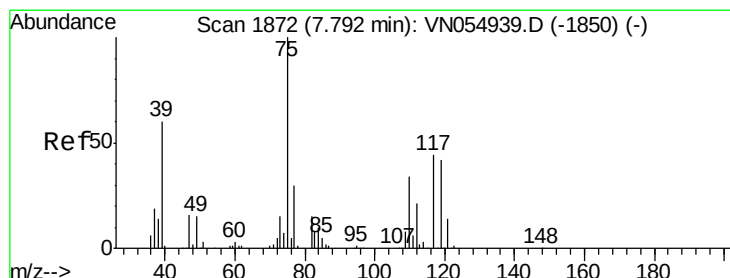
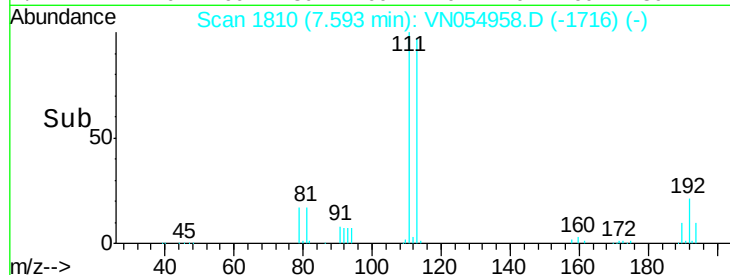
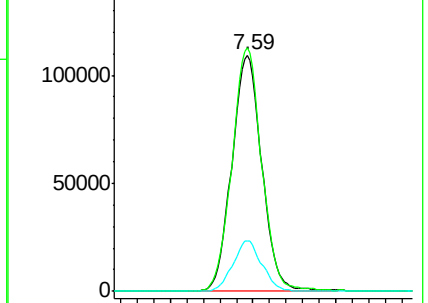
192 20.8 16.5 24.7



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: 4.636 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

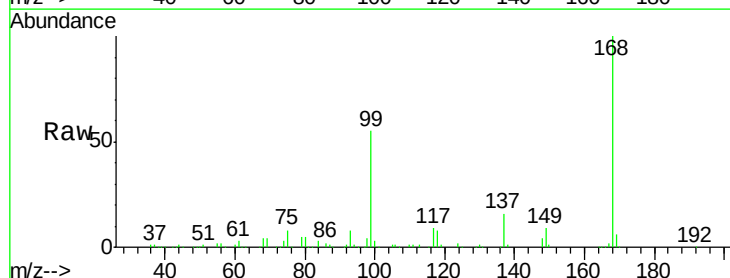
Tgt Ion: 75 Resp: 40083

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

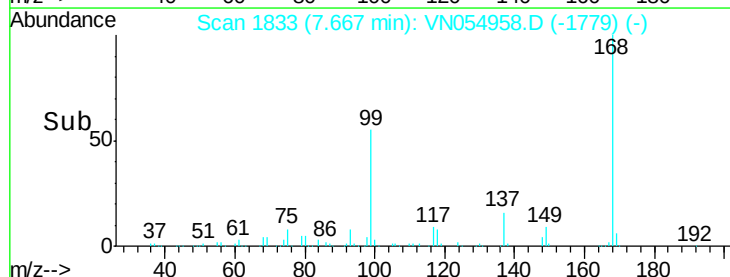
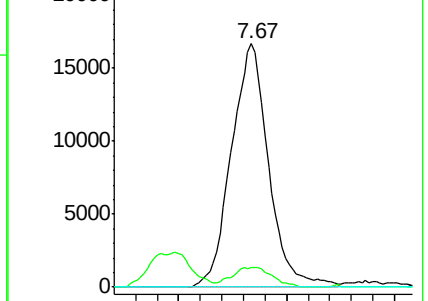
77 0.0 25.3 37.9#

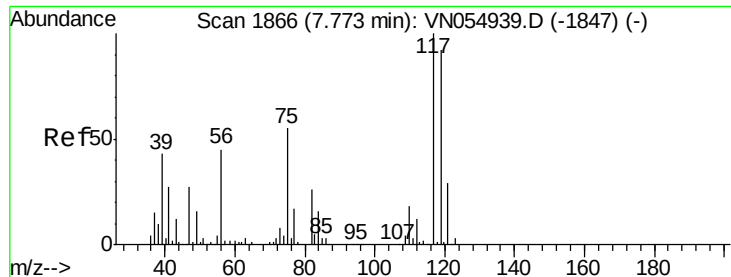


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.758 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

HR-06-040319-A

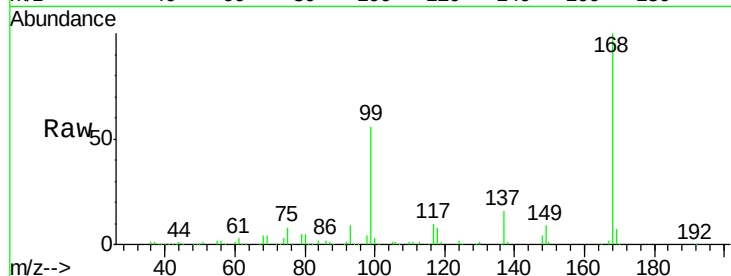
Tgt Ion:117 Resp: 48076

Ion Ratio Lower Upper

117 100

119 5.8 73.6 110.4#

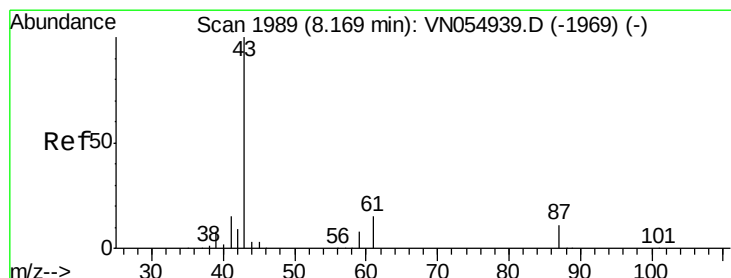
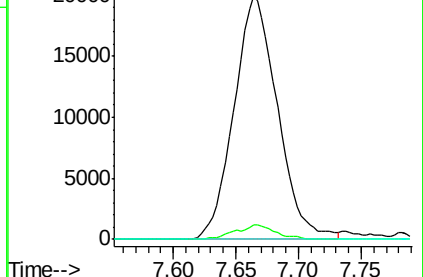
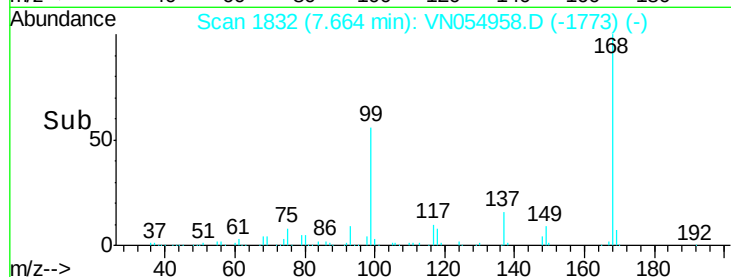
121 0.0 23.4 35.0#



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: 1.682 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

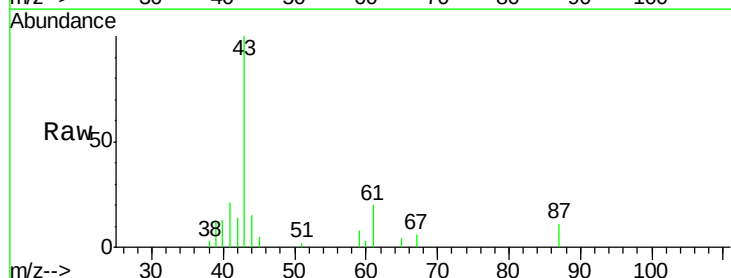
Tgt Ion: 43 Resp: 16817

Ion Ratio Lower Upper

43 100

61 20.5 14.4 21.6

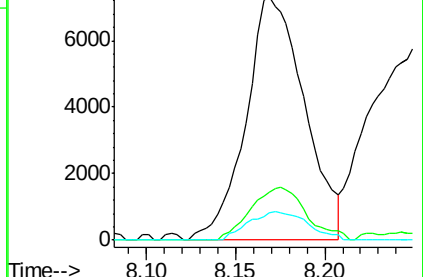
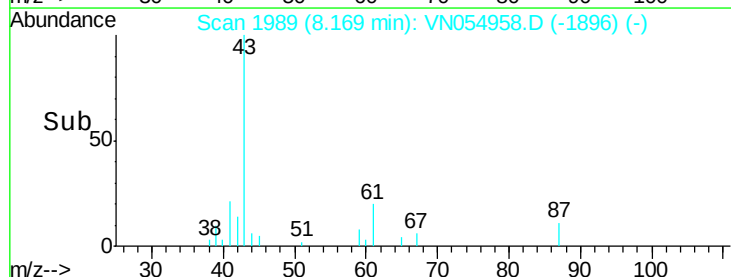
87 11.7 9.0 13.4

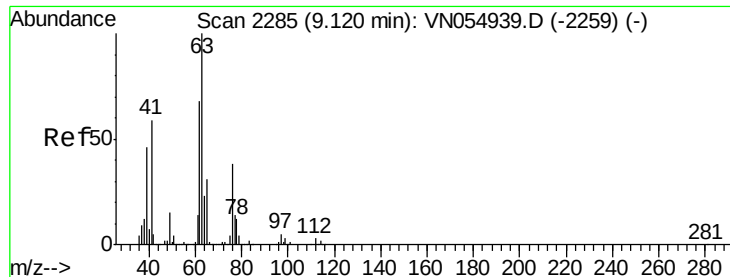


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

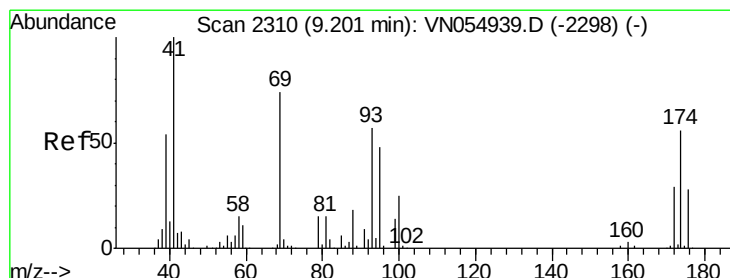
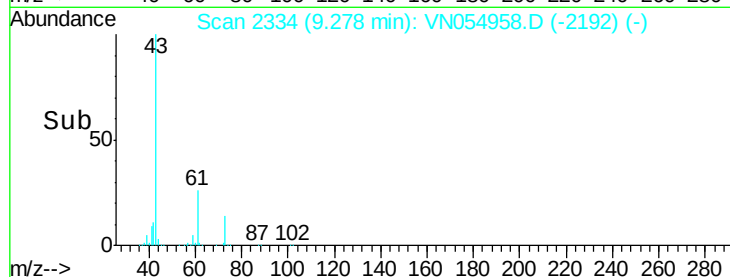
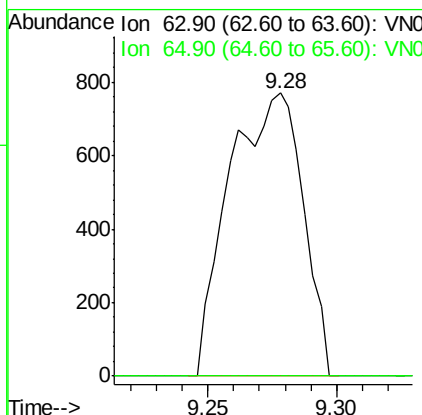
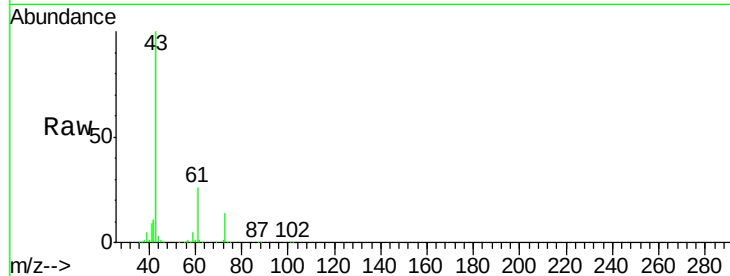




#45
 1,2-Dichloropropane
 Concen: 0.221 ug/l
 RT: 9.28 min Scan# 2334
 Delta R.T. 0.16 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

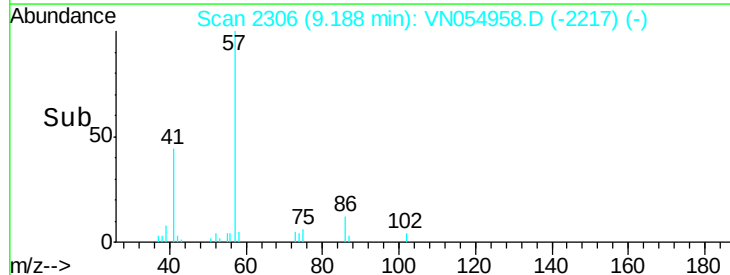
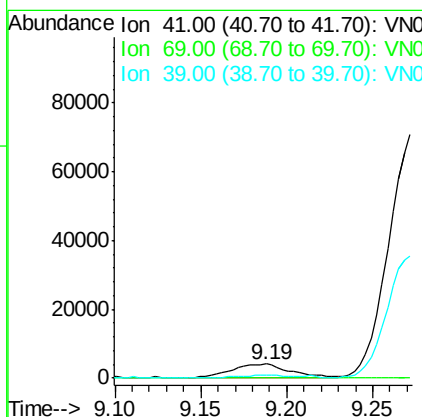
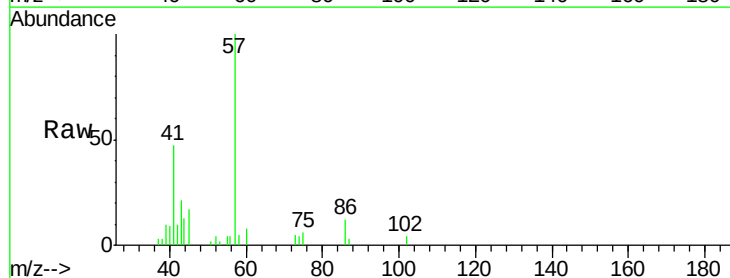
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-A

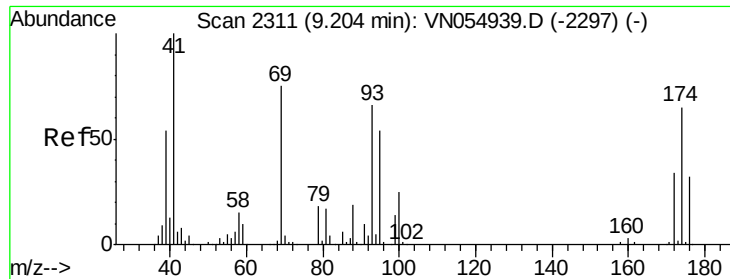
Tgt Ion: 63 Resp: 1533
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.749 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 41 Resp: 8852
 Ion Ratio Lower Upper
 41 100
 69 0.0 58.9 88.3#
 39 0.0 44.2 66.4#





#49

1,4-Dioxane

Concen: 1.253 ug/l

RT: 9.28 min Scan# 2334

Delta R.T. 0.07 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-A

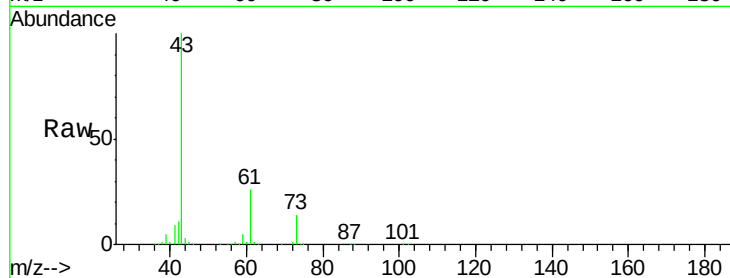
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 2297003.1 31.5 47.3#

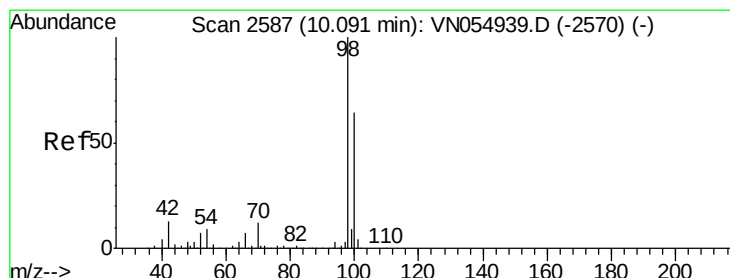
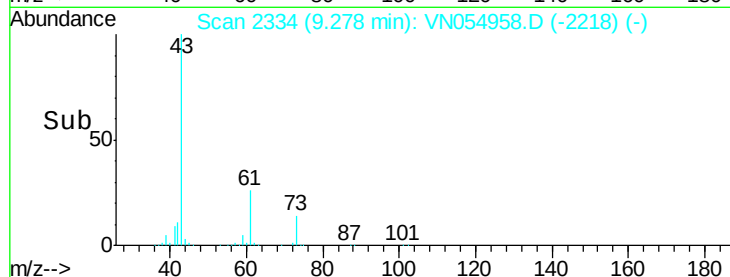
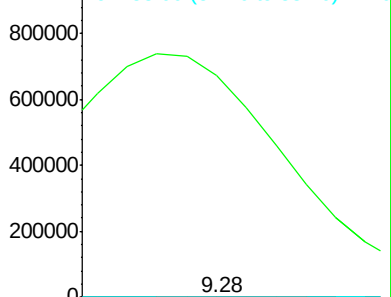
58 9481.3 61.9 92.9#



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: 48.669 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054958.D

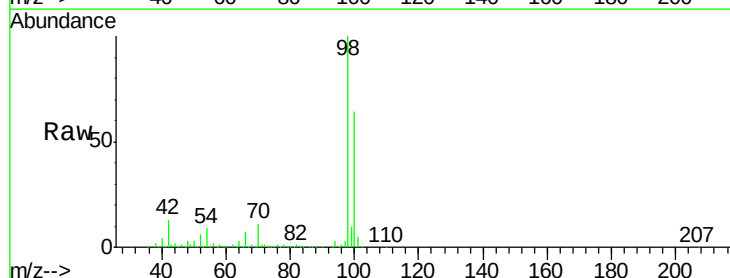
Acq: 4 Apr 2019 19:57

Tgt Ion: 98 Resp: 1048907

Ion Ratio Lower Upper

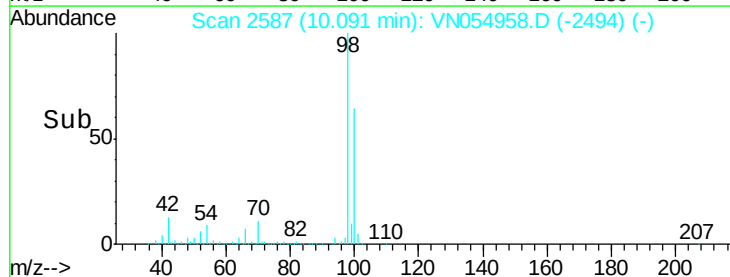
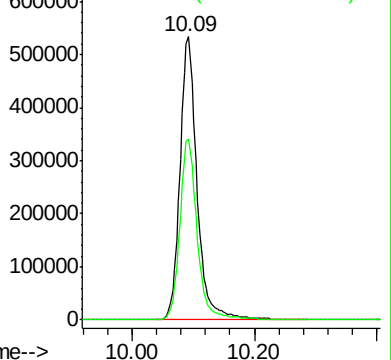
98 100

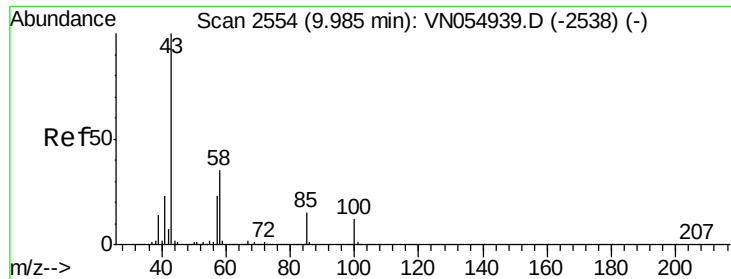
100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

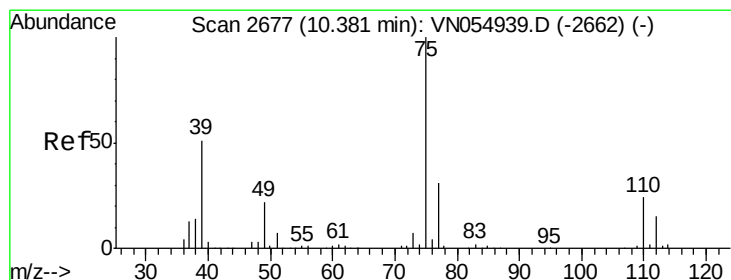
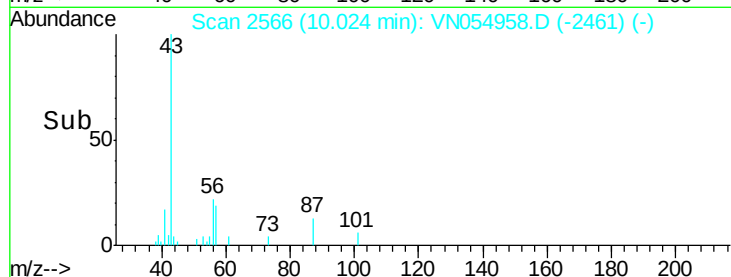
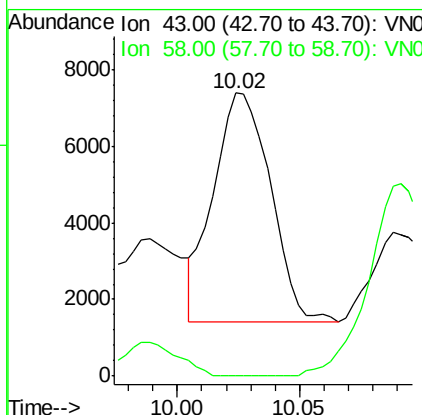
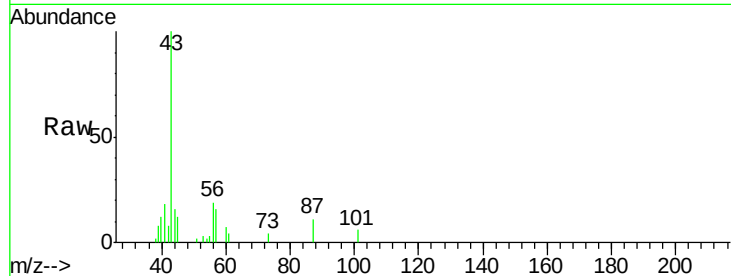




#51
 4-Methyl-2-Pentanone
 Concen: 1.739 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

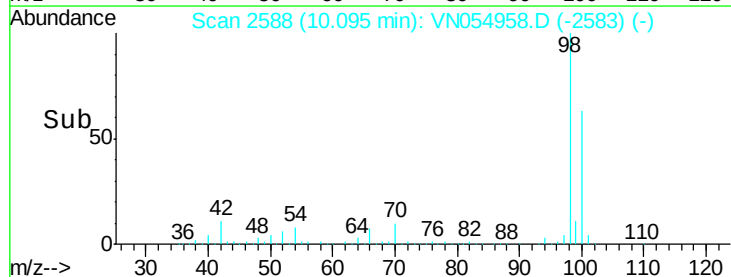
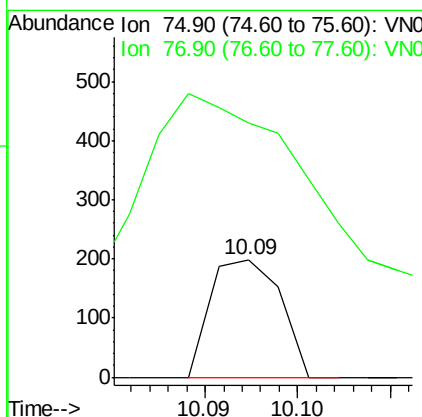
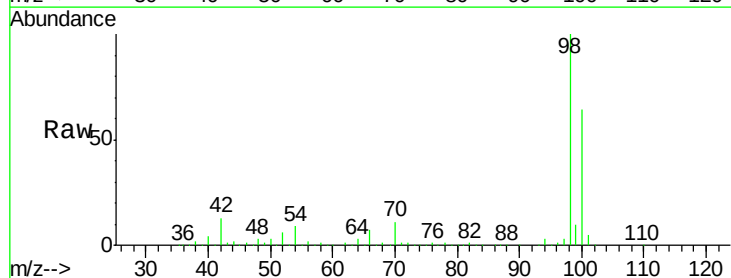
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-A

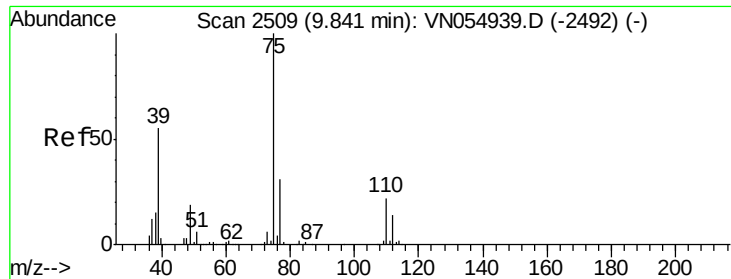
Tgt Ion: 43 Resp: 9703
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.3 42.5#



#53
 t-1,3-Dichloropropene
 Concen: 2.039 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.29 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 75 Resp: 104
 Ion Ratio Lower Upper
 75 100
 77 85.9 24.6 36.8#





#54

cis-1,3-Dichloropropene

Concen: 6.843 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-A

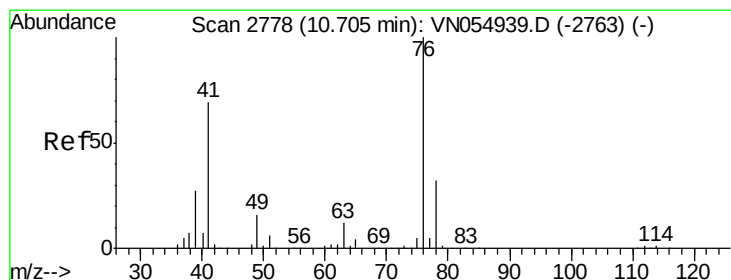
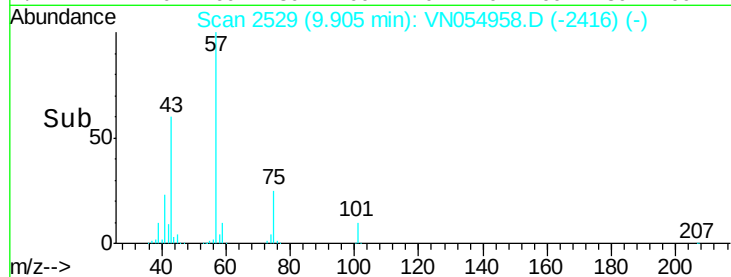
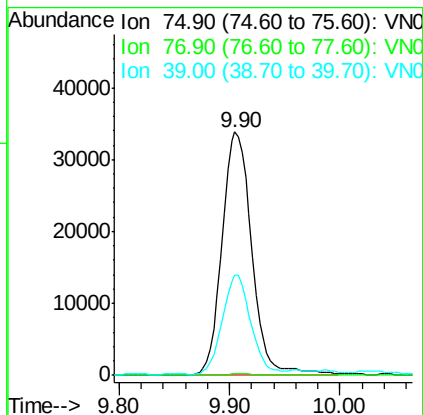
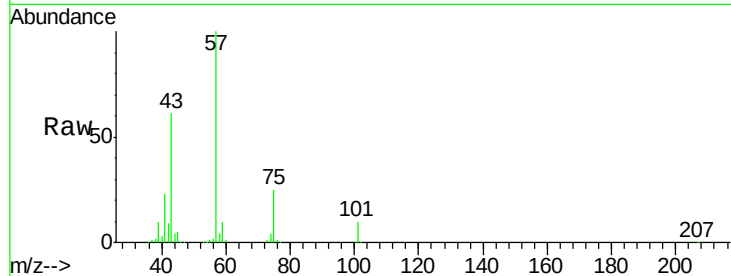
Tgt Ion: 75 Resp: 63583

Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.4#

39 41.2 43.9 65.9#



#57

1,3-Dichloropropane

Concen: 1.121 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054958.D

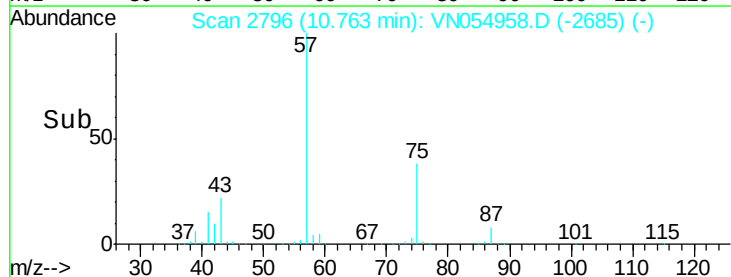
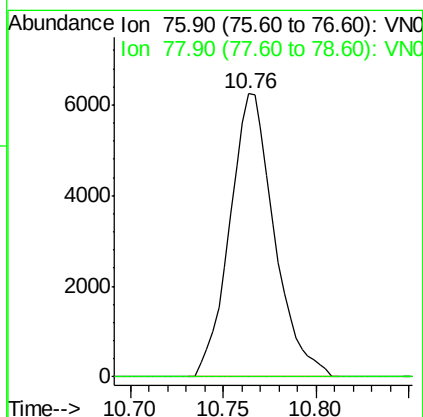
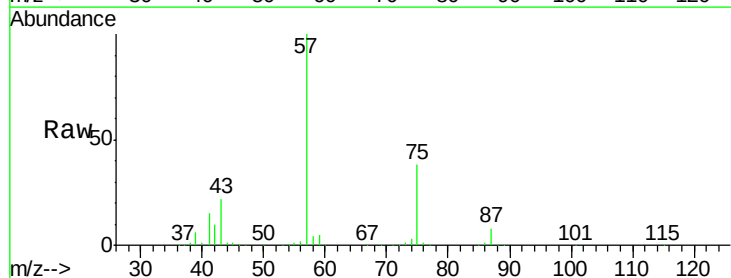
Acq: 4 Apr 2019 19:57

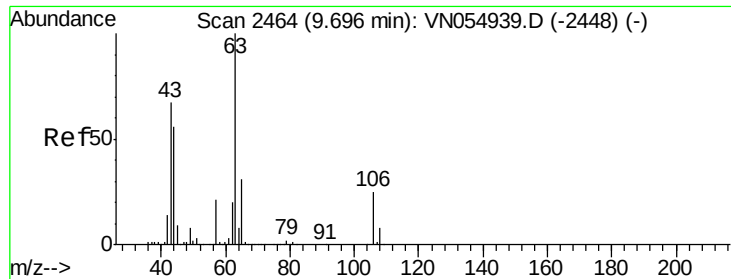
Tgt Ion: 76 Resp: 10413

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#

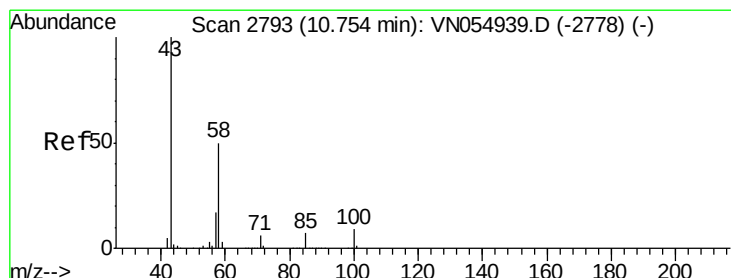
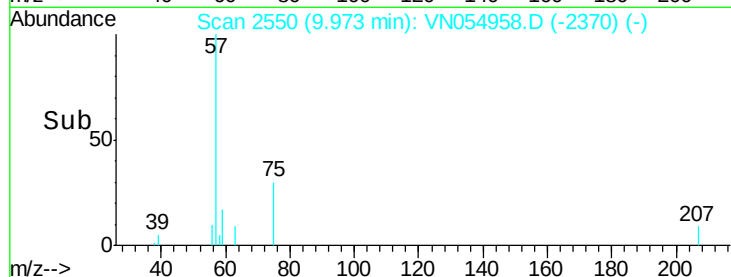
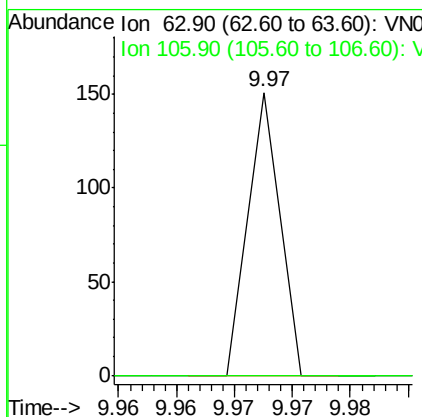
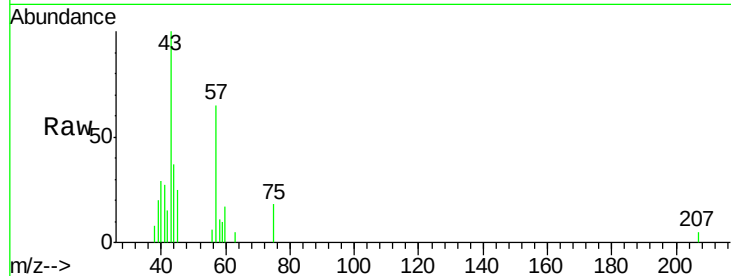




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.863 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.28 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

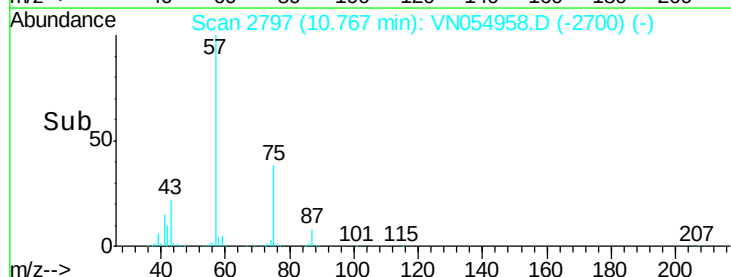
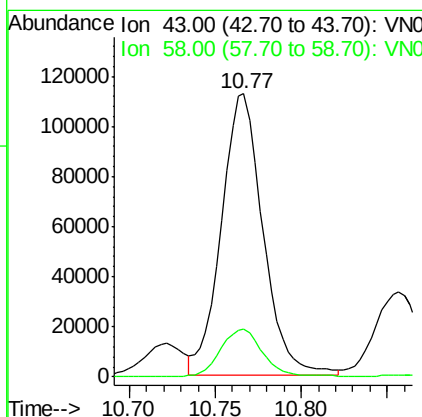
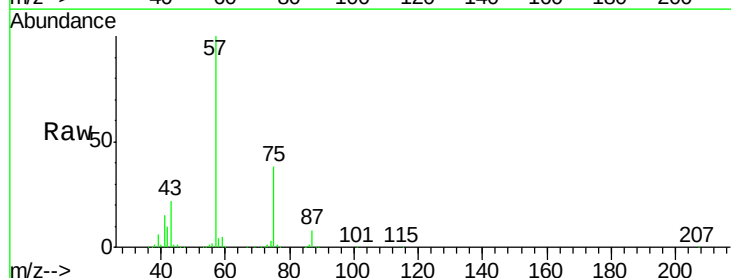
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-A

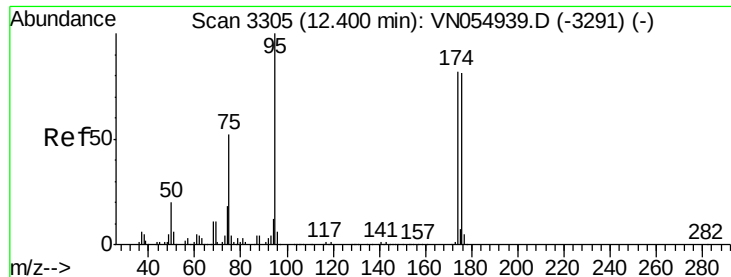
Tgt Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.7 29.5#



#59
 2-Hexanone
 Concen: 54.148 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 43 Resp: 188667
 Ion Ratio Lower Upper
 43 100
 58 17.7 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 47.317 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-A

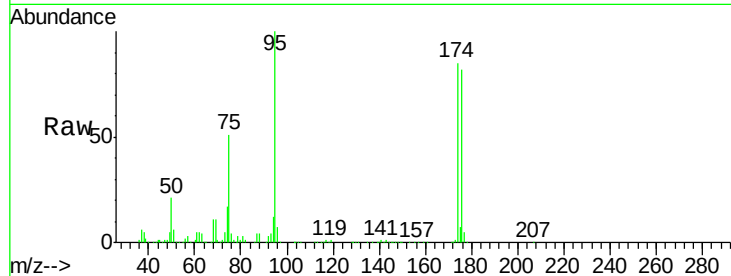
Tgt Ion: 95 Resp: 340324

Ion Ratio Lower Upper

95 100

174 84.7 0.0 166.2

176 83.2 0.0 163.2

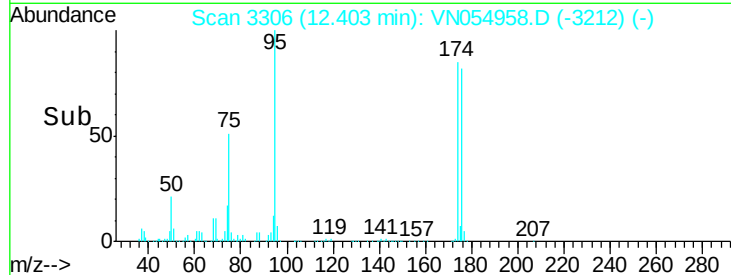


Abundance Ion 94.90 (94.60 to 95.60): VN054939.D (-3291) (-)

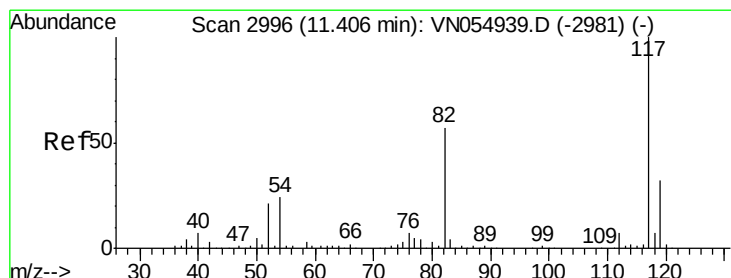
Ion 173.80 (173.50 to 174.50): VN054939.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054939.D (-3291) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

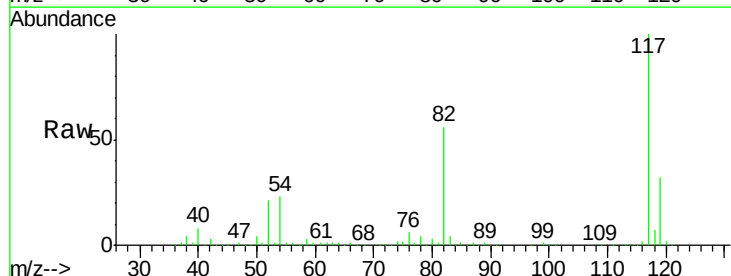
Tgt Ion: 117 Resp: 760598

Ion Ratio Lower Upper

117 100

82 56.2 45.3 67.9

119 32.3 25.8 38.6

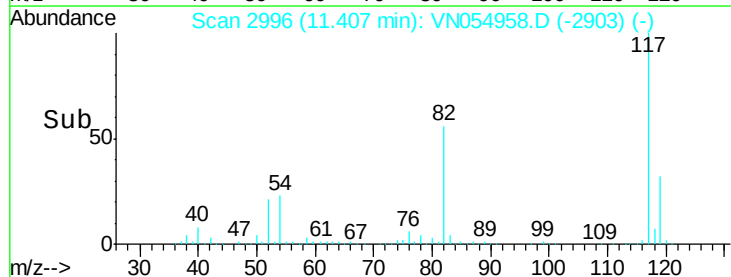


Abundance Ion 116.90 (116.60 to 117.60): VN054939.D (-2981) (-)

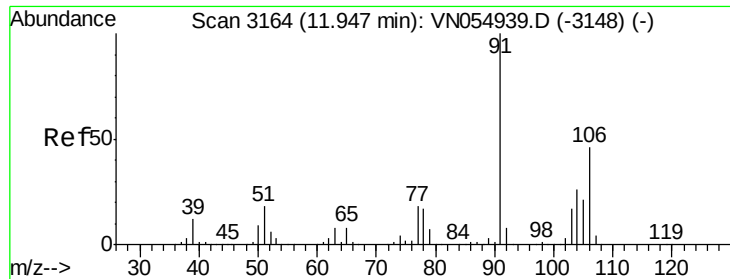
Ion 82.00 (81.70 to 82.70): VN054939.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054939.D (-2981) (-)

Time-->



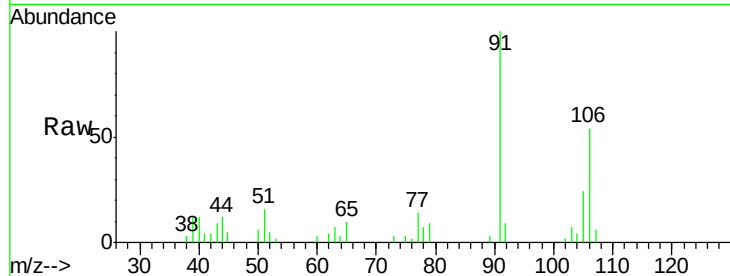
Time-->



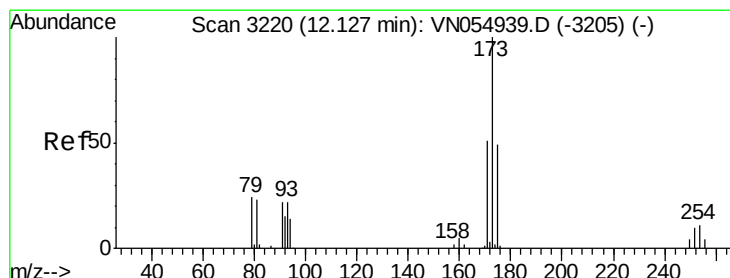
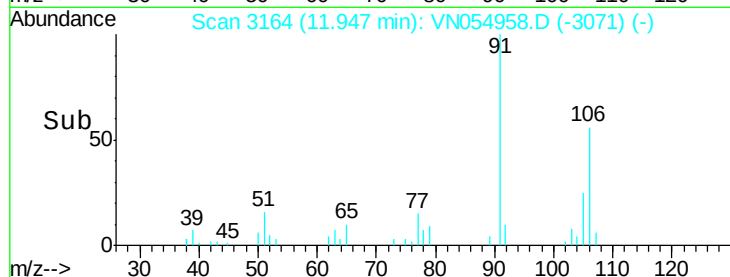
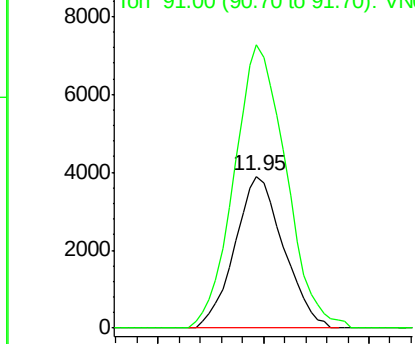
#69
o-Xylene
Concen: 0.628 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054958.D
Acq: 4 Apr 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-A

Tgt Ion:106 Resp: 6256
Ion Ratio Lower Upper
106 100
91 198.2 109.9 329.7

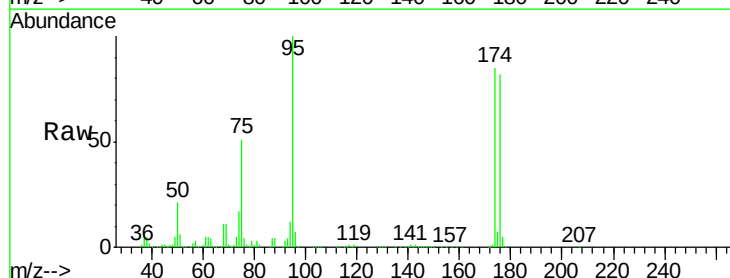


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

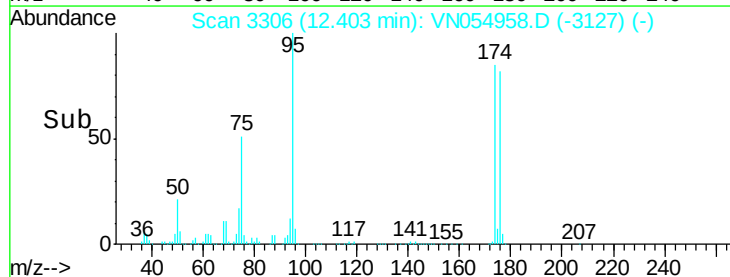
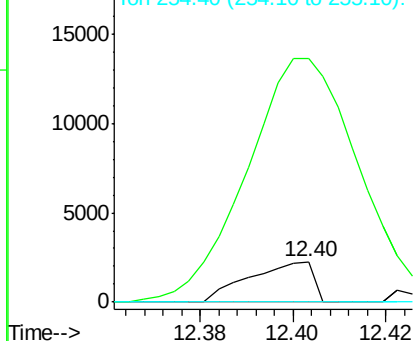


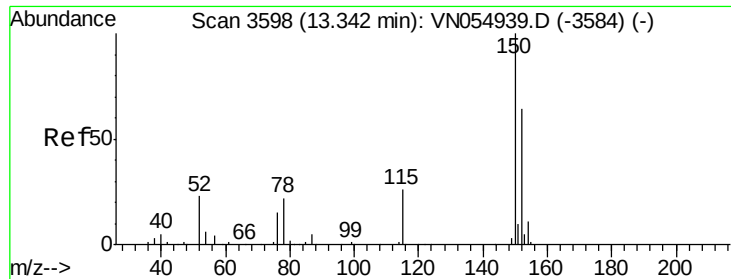
#71
Bromoform
Concen: 0.632 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054958.D
Acq: 4 Apr 2019 19:57

Tgt Ion:173 Resp: 2156
Ion Ratio Lower Upper
173 100
175 919.1 24.1 72.4#
254 0.0 0.0 0.0



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: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-A

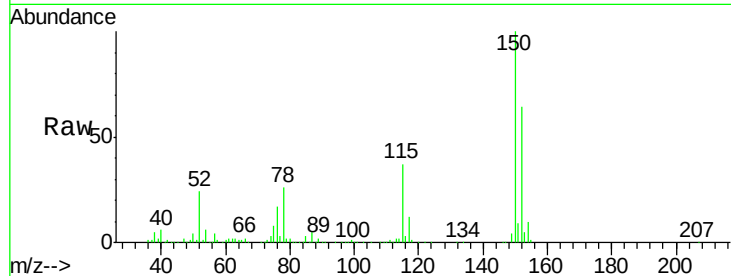
Tgt Ion:152 Resp: 306386

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.8

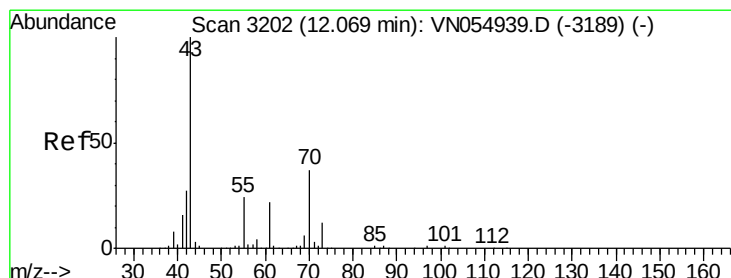
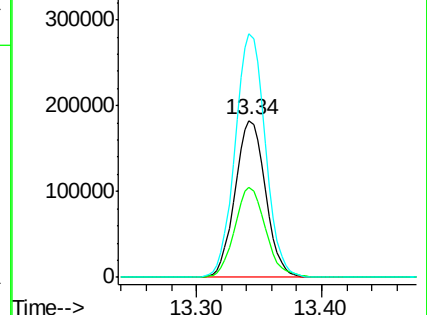
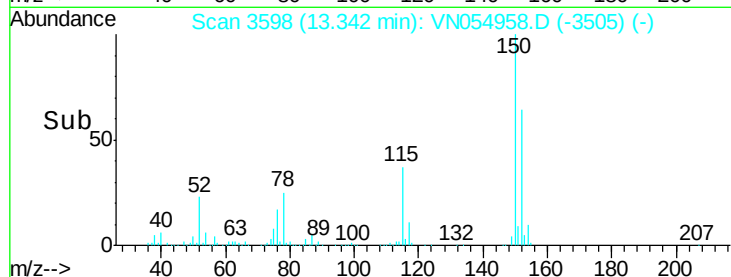
150 154.9 0.0 345.4



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: 3.005 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Tgt Ion: 43 Resp: 21618

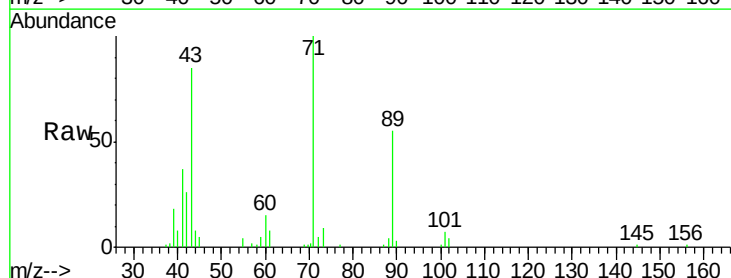
Ion Ratio Lower Upper

43 100

70 1.5 29.3 43.9#

55 4.7 19.2 28.8#

61 9.6 17.4 26.2#

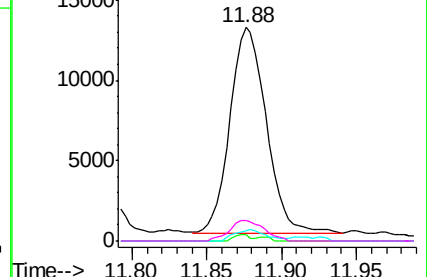
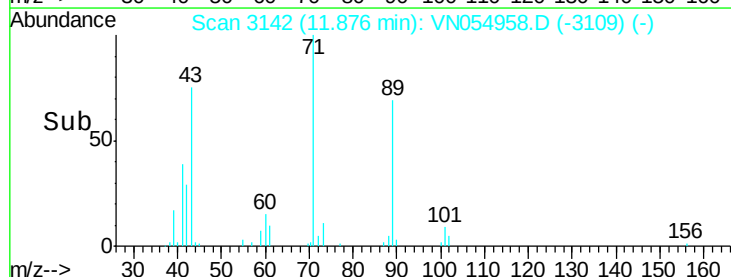


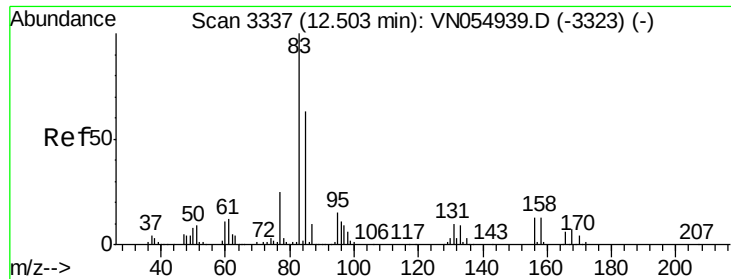
Abundance Ion 43.00 (42.70 to 43.70): V

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

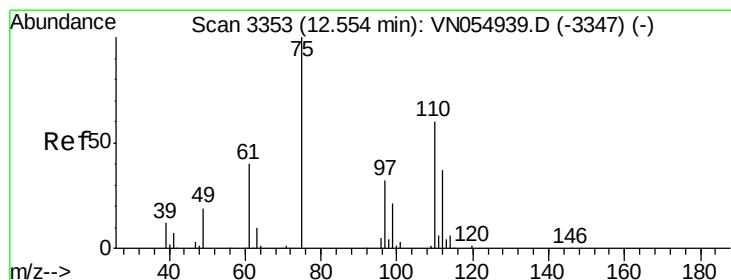
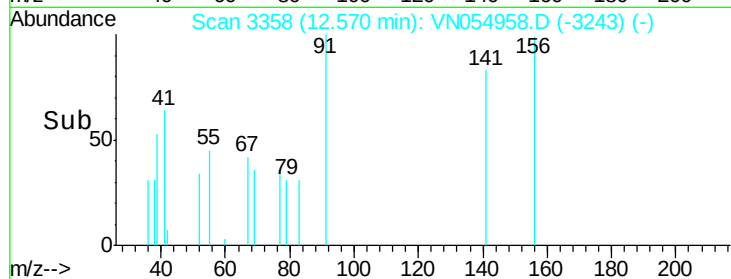
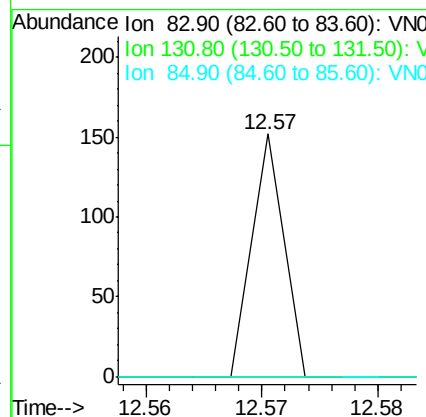
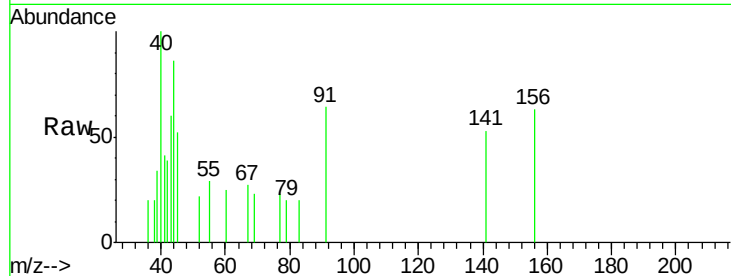




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.57 min Scan# 3358
 Delta R.T. 0.07 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

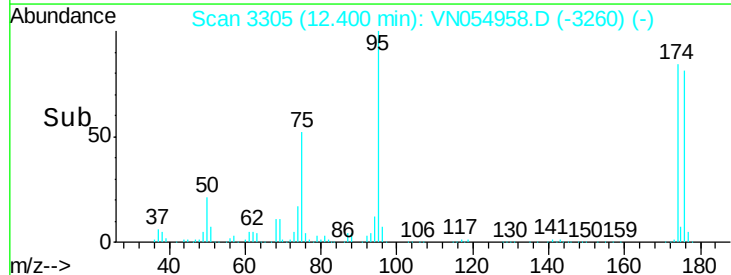
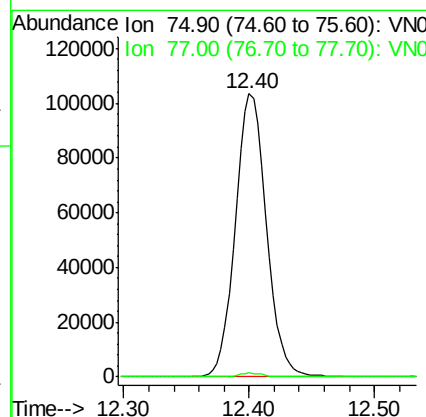
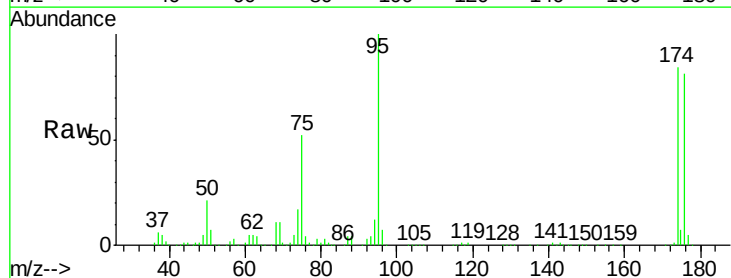
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-A

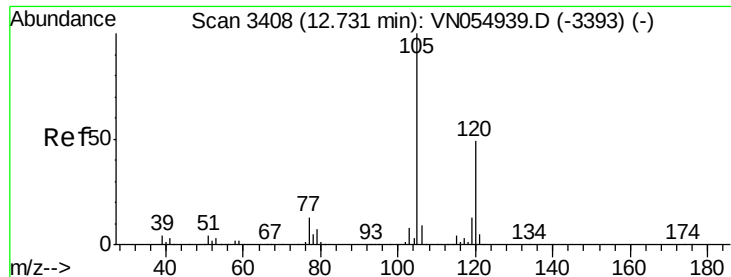
Tgt Ion: 83 Resp: 29
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.4 94.0#



#76
 1,2,3-Trichloropropane
 Concen: 36.762 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 75 Resp: 177977
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

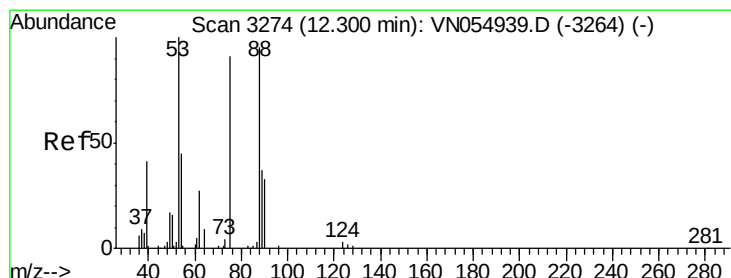
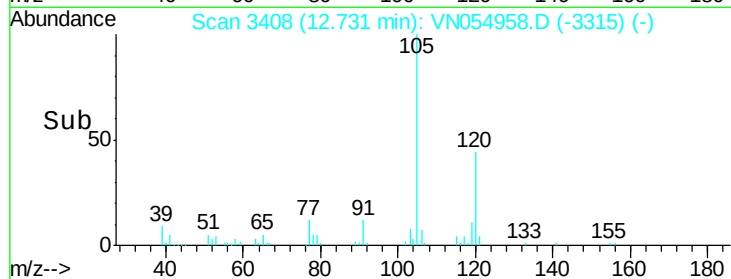
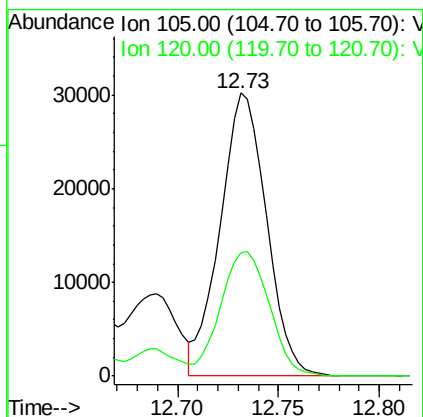
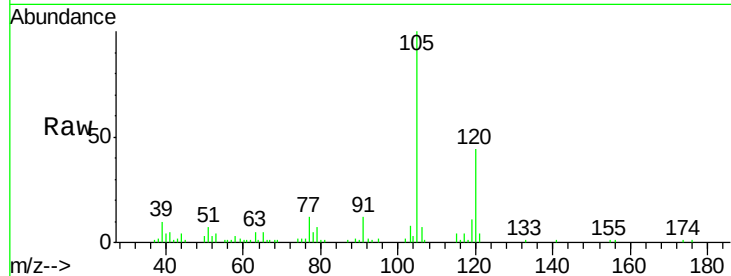




#80
 1,3,5-Trimethylbenzene
 Concen: 2.286 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

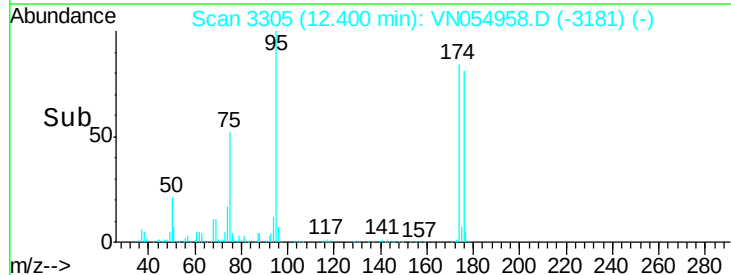
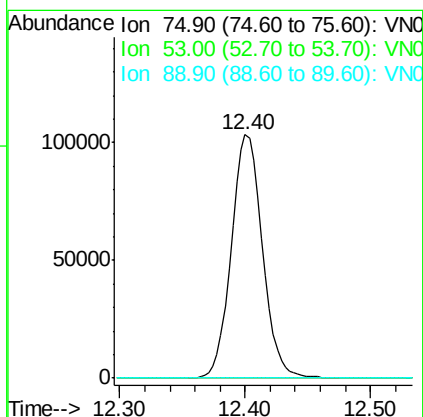
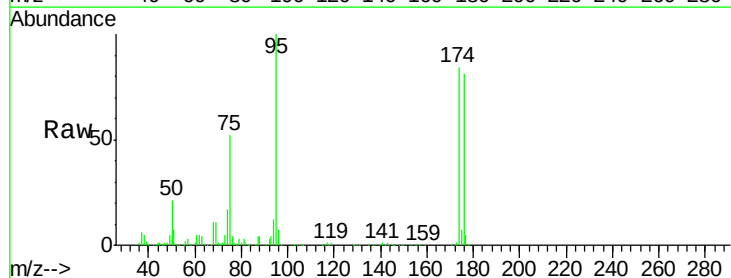
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-A

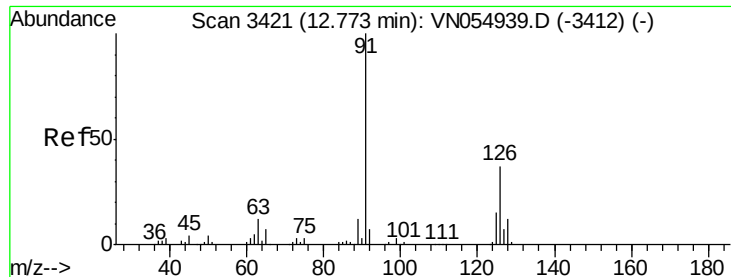
Tgt Ion: 105 Resp: 48583
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.181 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 75 Resp: 177977
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.8 139.2#
 89 0.1 36.7 55.1#

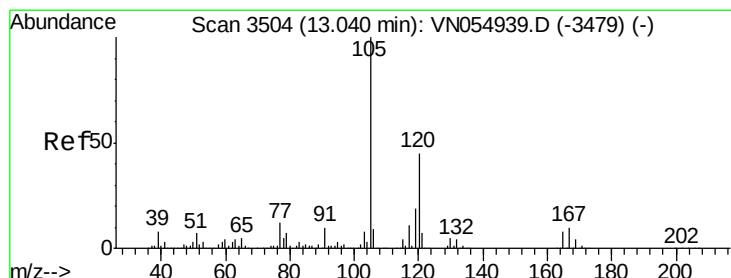
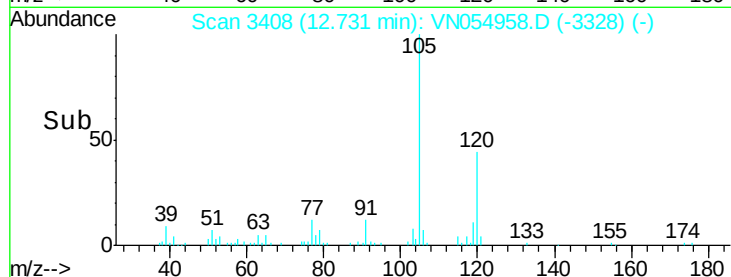
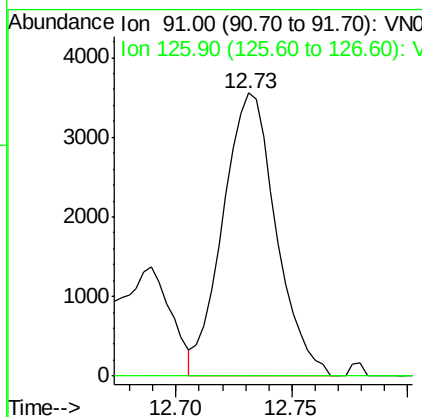
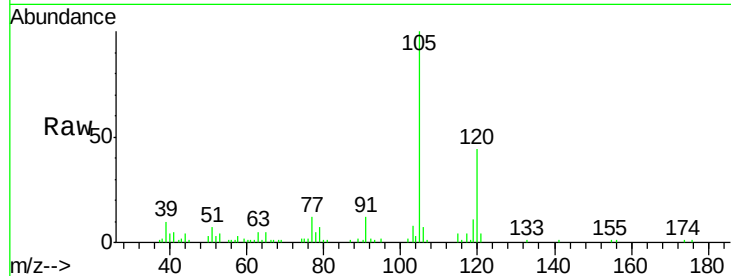




#82
4-Chlorotoluene
Concen: 0.338 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054958.D
Acq: 4 Apr 2019 19:57

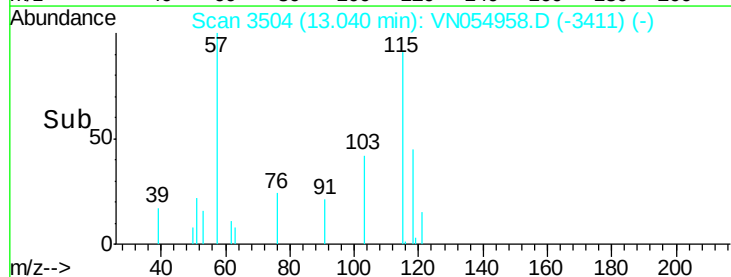
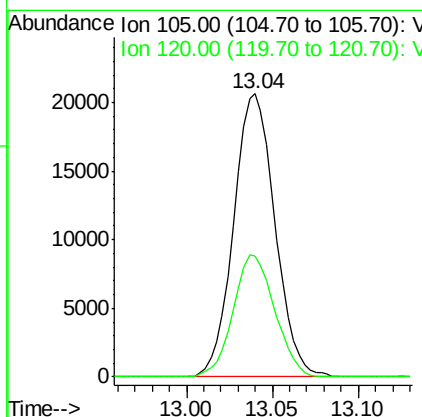
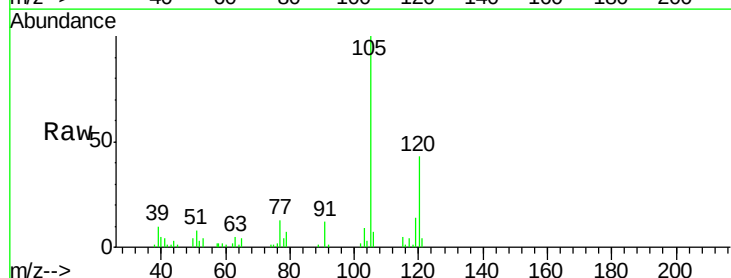
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-A

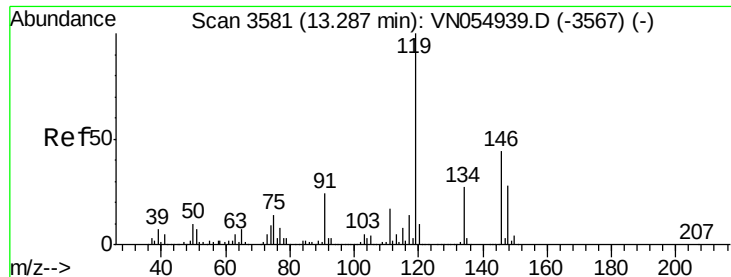
Tgt Ion: 91 Resp: 5653
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.677 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054958.D
Acq: 4 Apr 2019 19:57

Tgt Ion: 105 Resp: 34498
Ion Ratio Lower Upper
105 100
120 43.2 22.4 67.3

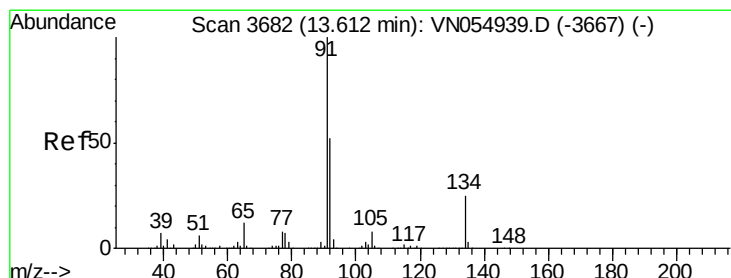
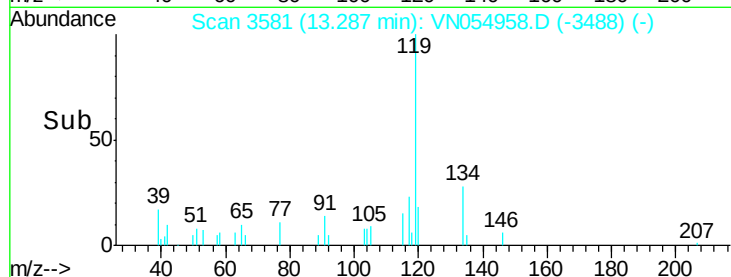
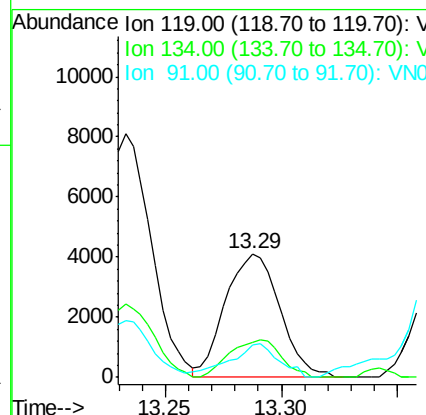
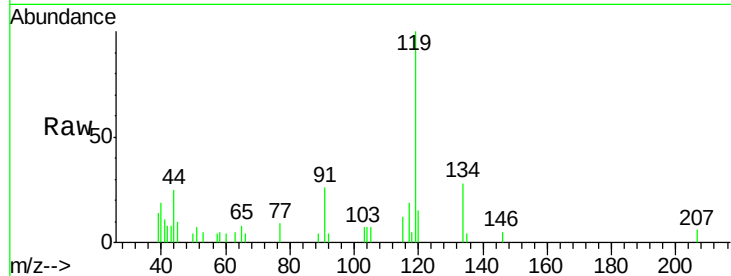




#86
 p-Isopropyltoluene
 Concen: 0.333 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

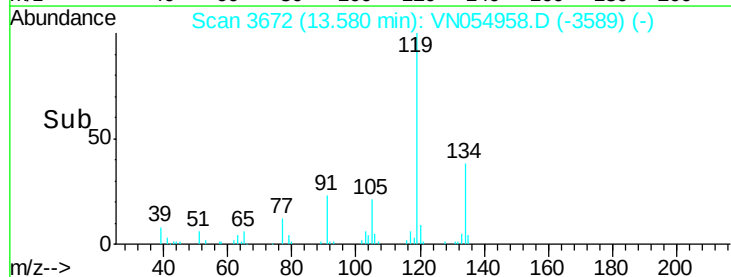
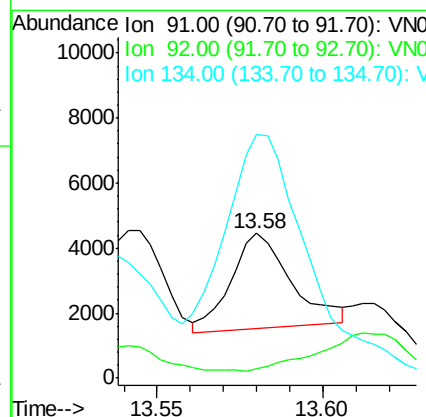
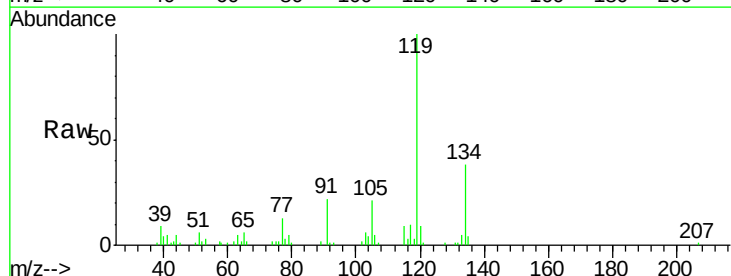
Instrument :
 MSVOA_N
 ClientSampled :
 HR-06-040319-A

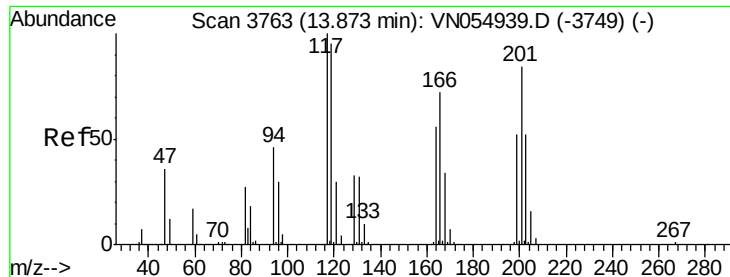
Tgt Ion: 119 Resp: 6709
 Ion Ratio Lower Upper
 119 100
 134 28.8 13.5 40.5
 91 24.5 11.9 35.7



#89
 n-Butylbenzene
 Concen: 0.231 ug/l
 RT: 13.58 min Scan# 3672
 Delta R.T. -0.03 min
 Lab File: VN054958.D
 Acq: 4 Apr 2019 19:57

Tgt Ion: 91 Resp: 3723
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.1 78.2#
 134 376.1 12.6 37.8#





#90

Hexachloroethane

Concen: 0.890 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

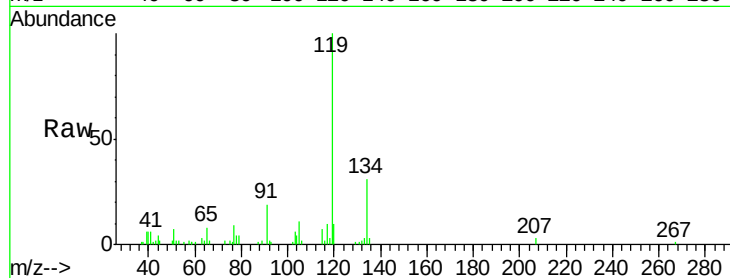
HR-06-040319-A

Tgt Ion:117 Resp: 3013

Ion Ratio Lower Upper

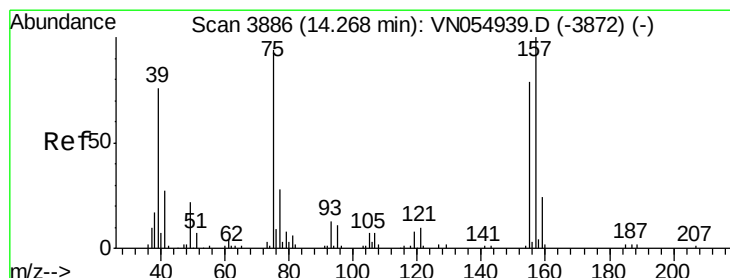
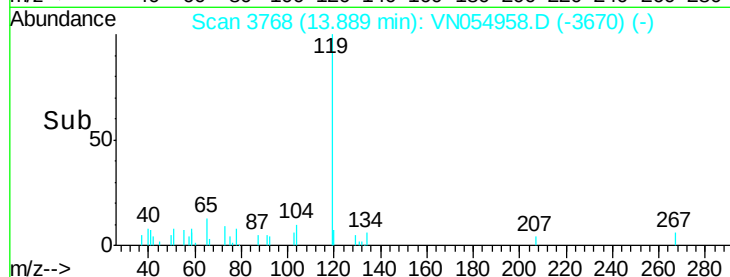
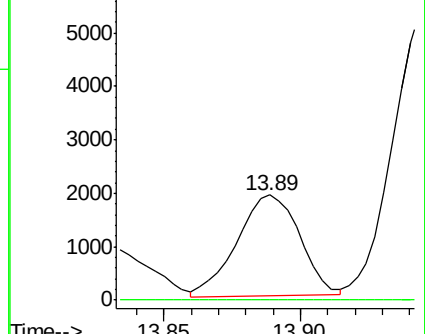
117 100

201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.301 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

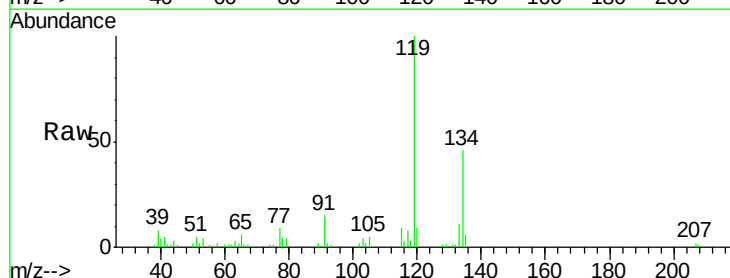
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

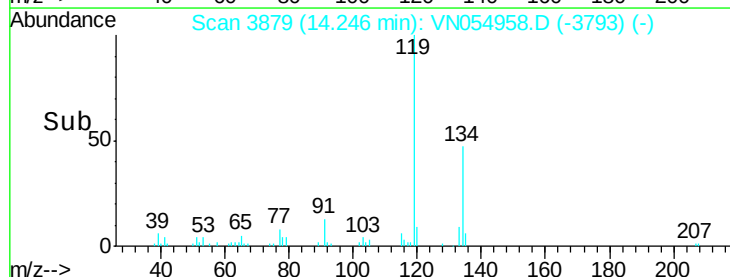
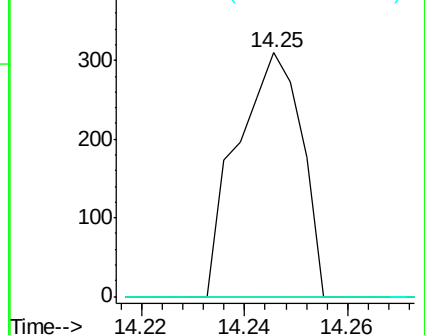
157 0.0 54.4 163.2#

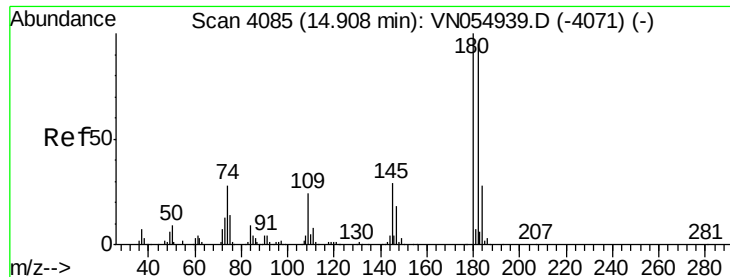


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.488 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-A

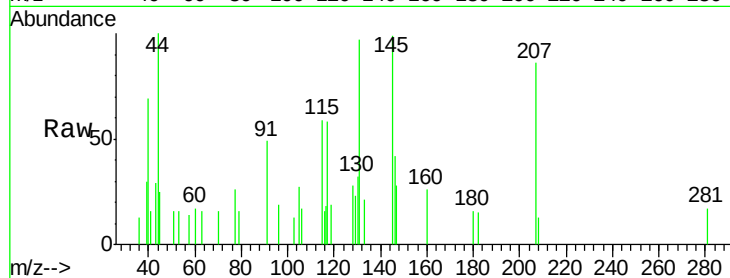
Tgt Ion:180 Resp: 196

Ion Ratio Lower Upper

180 100

182 33.7 47.5 142.6#

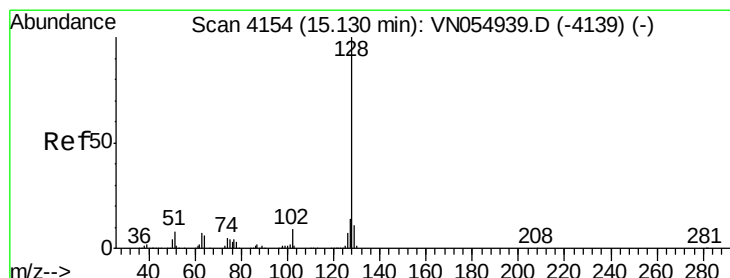
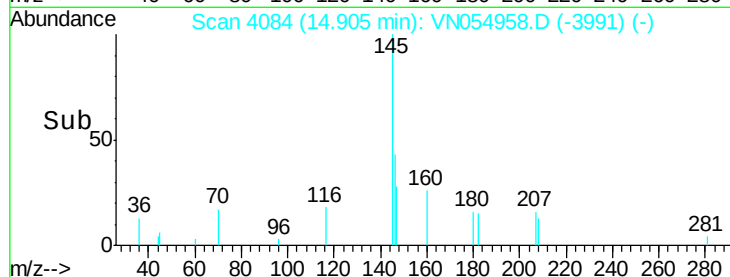
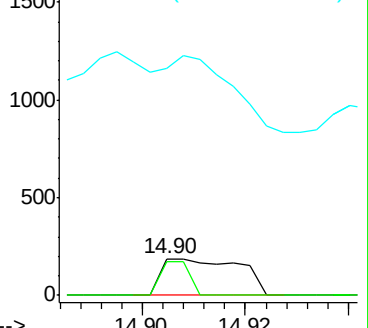
145 834.2 14.6 43.8#



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: 4.569 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054958.D

Acq: 4 Apr 2019 19:57

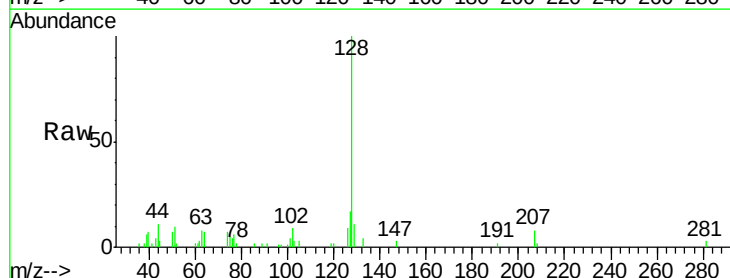
Tgt Ion:128 Resp: 20923

Ion Ratio Lower Upper

128 100

127 15.4 10.6 16.0

129 9.9 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

