

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054957.D
 Acq On : 4 Apr 2019 19:30
 Operator : JC/SP
 Sample : K2193-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Apr 05 03:20:39 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	518290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	299447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	344803	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	274847	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1056239	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	333624	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds					Qvalue	
8) Diethyl Ether	3.41	74	595	0.215	ug/l #	19
13) Acrolein	3.61	56	114	4.372	ug/l #	1
14) Allyl chloride	4.54	41	24865	2.452	ug/l #	25
16) Acetone	3.82	43	11778	Below Cal		95
18) Methyl Acetate	4.33	43	1006	Below Cal	#	34
20) Methylene Chloride	4.55	84	527753	83.212	ug/l	99
25) 2-Butanone	6.84	43	615	0.240	ug/l #	53
29) Tetrahydrofuran	7.22	42	484	0.288	ug/l #	39
30) Chloroform	7.38	83	3922	0.364	ug/l	85
31) Cyclohexane	7.67	56	11648	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	39840	4.562	ug/l #	49
38) Carbon Tetrachloride	7.67	117	49462	5.864	ug/l #	17
43) Isopropyl Acetate	8.17	43	16621	1.645	ug/l	99
45) 1,2-Dichloropropane	9.27	63	1421	0.203	ug/l #	44
48) Methyl methacrylate	9.18	41	7917	1.548	ug/l #	17
49) 1,4-Dioxane	9.28	88	63	1.221	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	8154	1.447	ug/l #	39
53) t-1,3-Dichloropropene	10.09	75	226	2.052	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	57744	6.152	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	9812	1.046	ug/l #	42
59) 2-Hexanone	10.77	43	172035	48.877	ug/l #	52
67) Ethyl Benzene	11.51	91	9912	0.356	ug/l	100
68) m/p-Xylenes	11.62	106	21703	2.131	ug/l	93
69) o-Xylene	11.95	106	27499	2.768	ug/l	95
71) Bromoform	12.40	173	2903	0.854	ug/l #	1
73) Isopropylbenzene	12.25	105	10910	0.431	ug/l	96
74) N-amyl acetate	11.88	43	17669	2.513	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	32	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	175029	37.016	ug/l #	100
78) n-propylbenzene	12.59	91	41887	1.503	ug/l	100
79) 2-Chlorotoluene	12.66	91	17902	1.036	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	134121	6.456	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	175029	135.016	ug/l #	4
82) 4-Chlorotoluene	12.73	91	13318	0.815	ug/l #	41

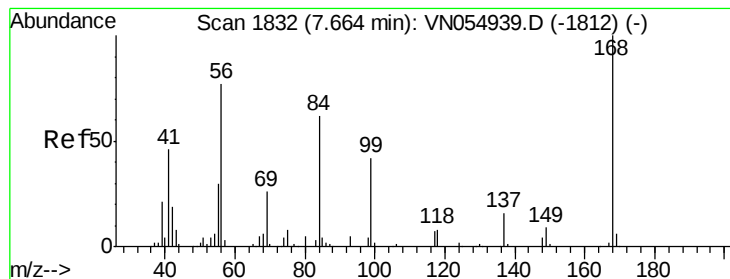
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	51521	2.915	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	408237	20.311	ug/l	100
85) sec-Butylbenzene	13.17	105	17264	0.755	ug/l #	74
86) p-Isopropyltoluene	13.29	119	15379	0.781	ug/l	99
89) n-Butylbenzene	13.61	91	17169	1.091	ug/l #	71
90) Hexachloroethane	13.89	117	6937	2.097	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.25	75	958	1.106	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	165	2.483	ug/l #	78
95) Naphthalene	15.13	128	36289	5.886	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

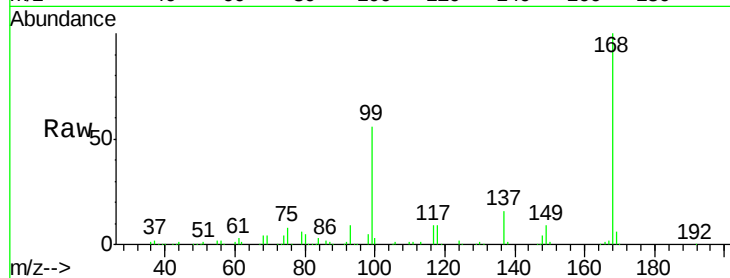
HR-06-040319-B

Tgt Ion:168 Resp: 518290

Ion Ratio Lower Upper

168 100

99 55.9 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

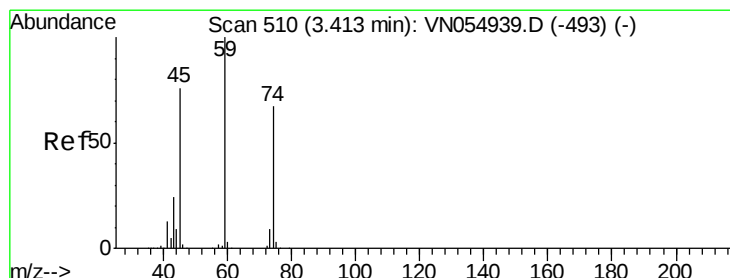
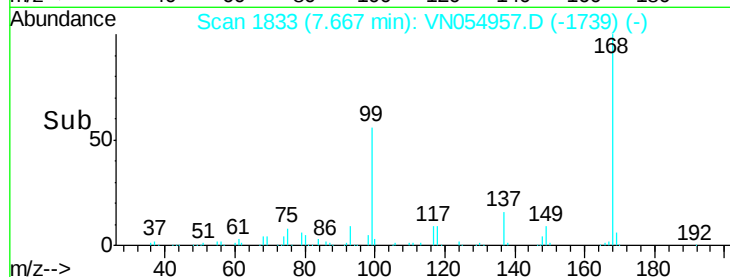
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.215 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN054957.D

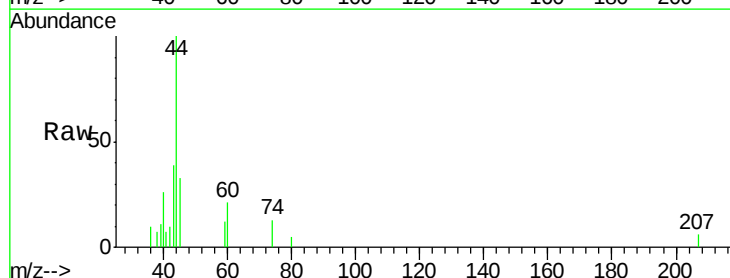
Acq: 4 Apr 2019 19:30

Tgt Ion: 74 Resp: 595

Ion Ratio Lower Upper

74 100

45 26.4 56.3 168.9#



Abundance Ion 74.00 (73.70 to 74.70): VN054939.D (-493) (-)

Ion 45.00 (44.70 to 45.70): VN054939.D (-493) (-)

1200

1000

800

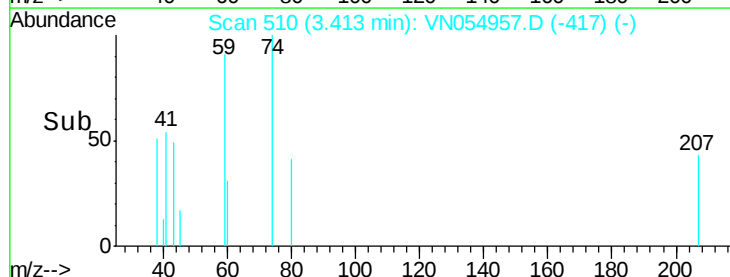
600

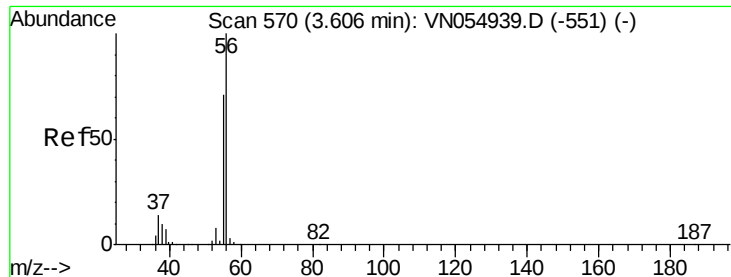
400

200

0

Time-->





#13

Acrolein

Concen: 4.372 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

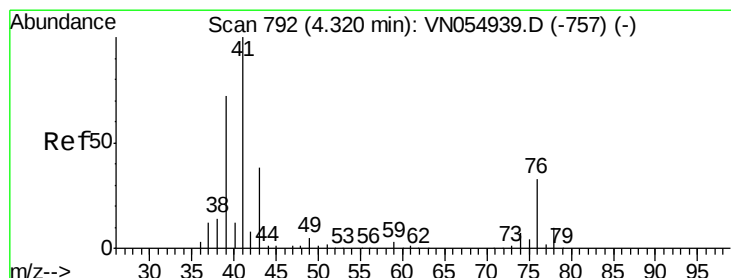
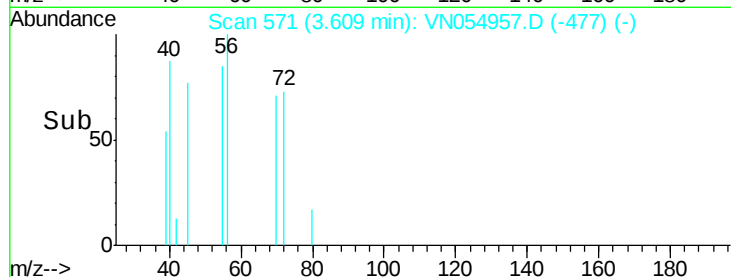
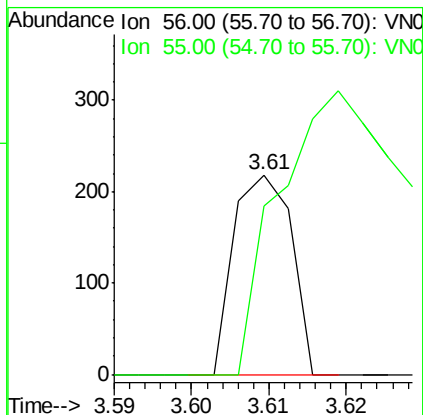
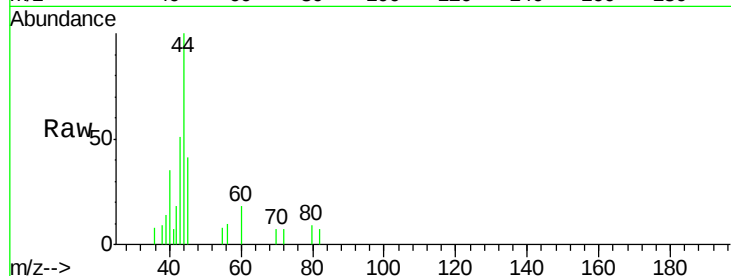
HR-06-040319-B

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 346.5 58.6 87.8#



#14

Allyl chloride

Concen: 2.452 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

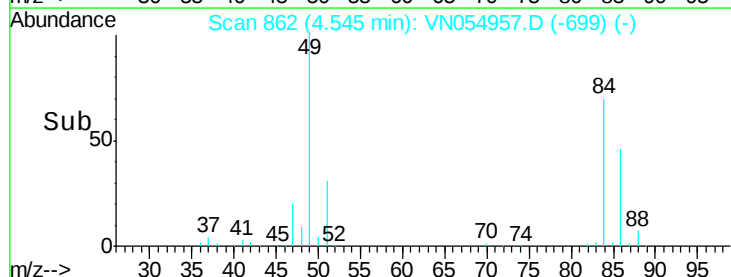
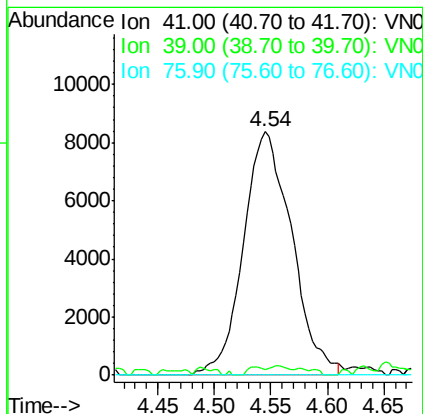
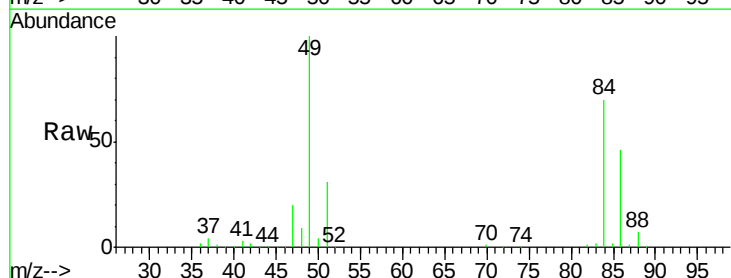
Tgt Ion: 41 Resp: 24865

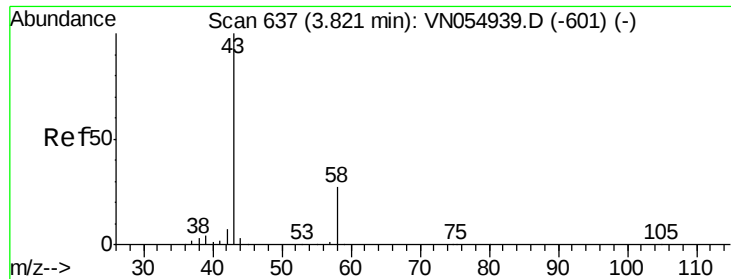
Ion Ratio Lower Upper

41 100

39 1.1 55.4 83.2#

76 0.0 23.8 35.8#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

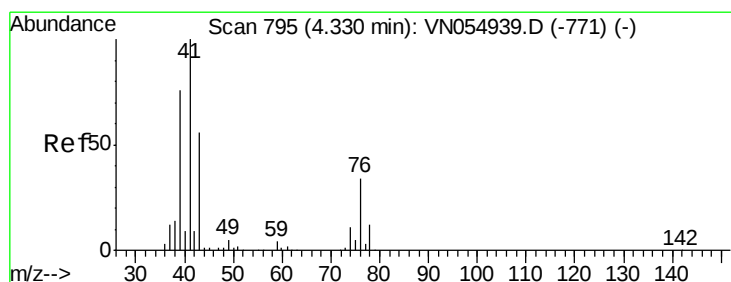
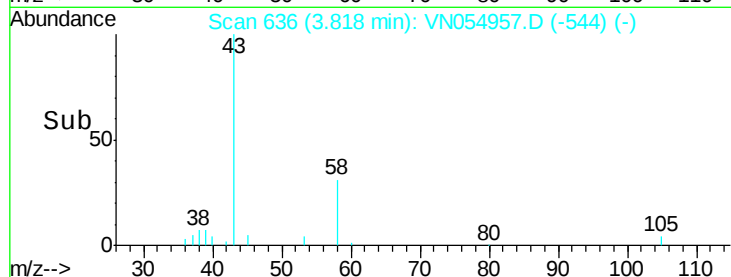
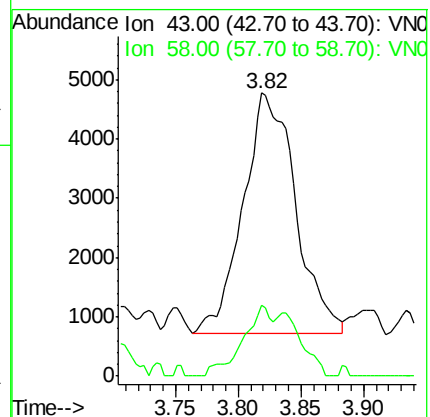
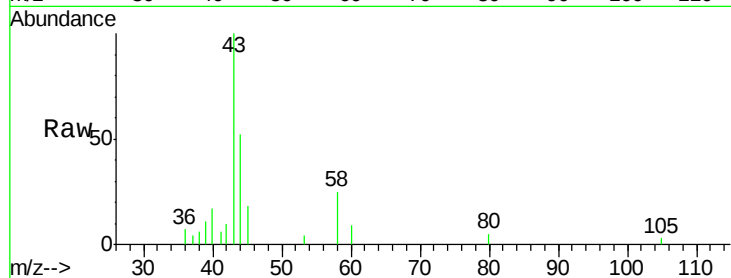
HR-06-040319-B

Tgt Ion: 43 Resp: 11778

Ion Ratio Lower Upper

43 100

58 29.6 21.7 32.5



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054957.D

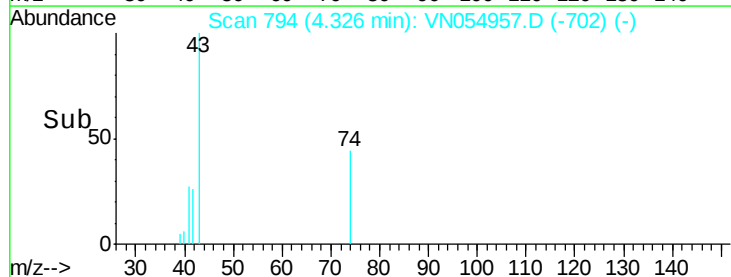
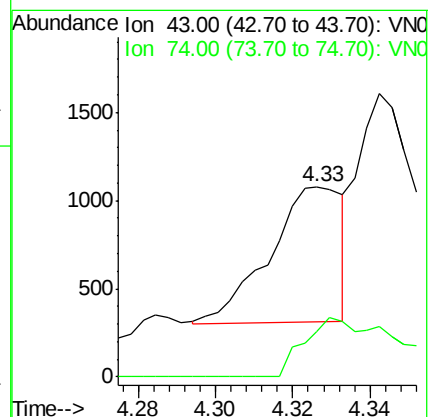
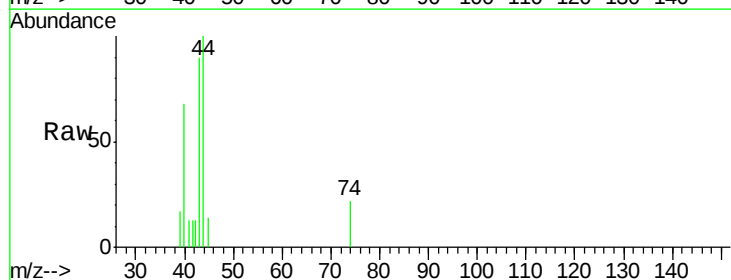
Acq: 4 Apr 2019 19:30

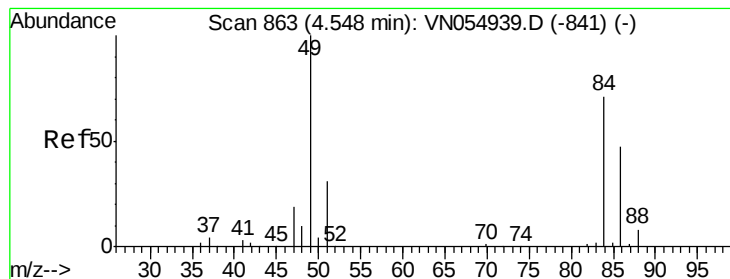
Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

74 51.3 16.4 24.6#





#20

Methylene Chloride

Concen: 83.212 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

Tgt Ion: 84 Resp: 527753

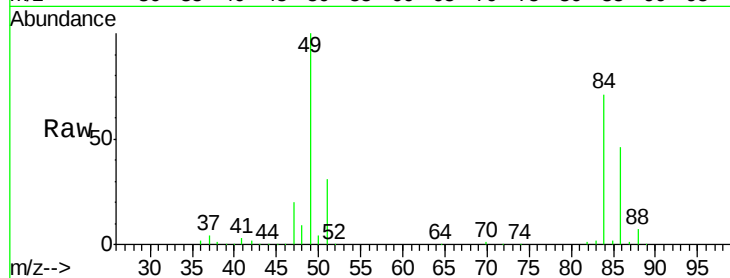
Ion Ratio Lower Upper

84 100

49 141.0 112.1 168.1

51 43.6 34.5 51.7

86 65.4 52.2 78.4

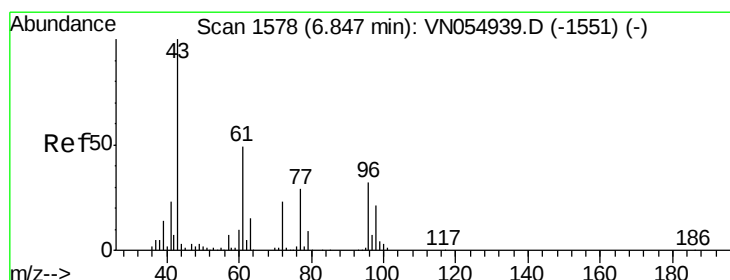
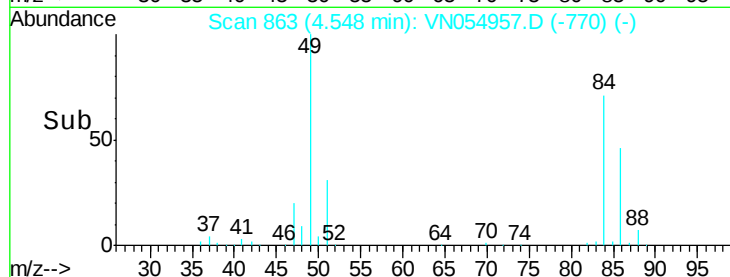
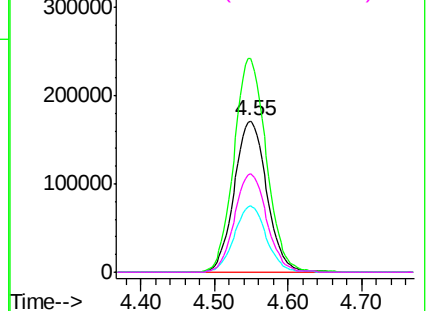


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.240 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054957.D

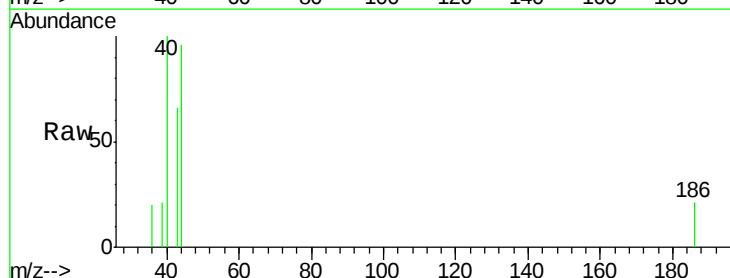
Acq: 4 Apr 2019 19:30

Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

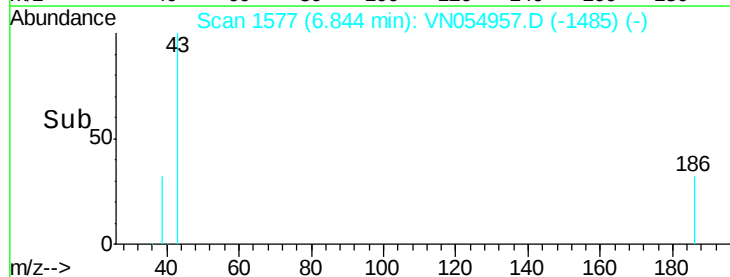
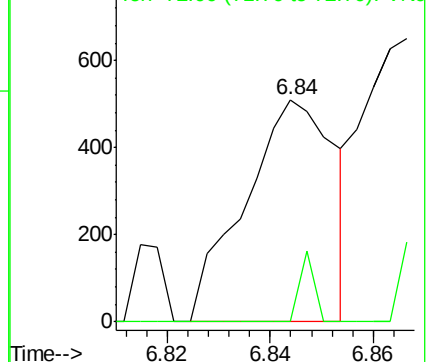
43 100

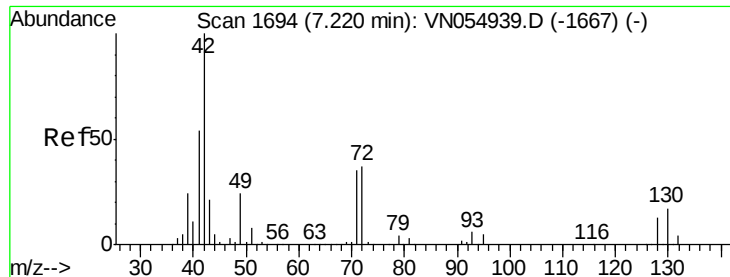
72 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

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HR-06-040319-B

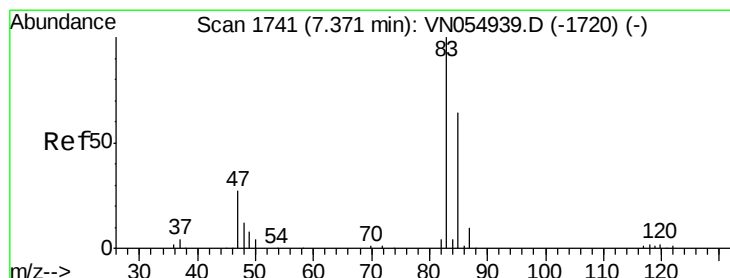
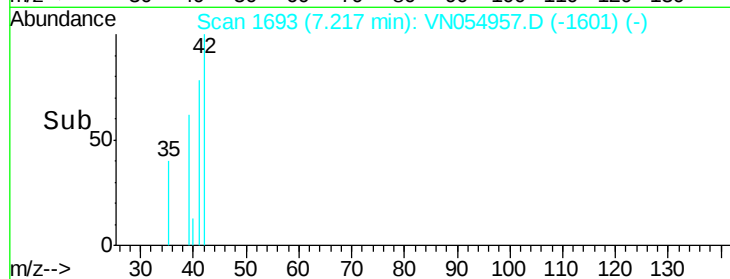
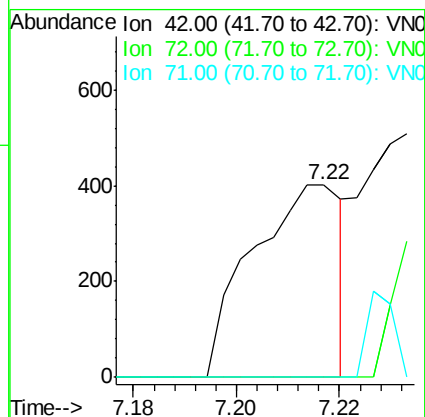
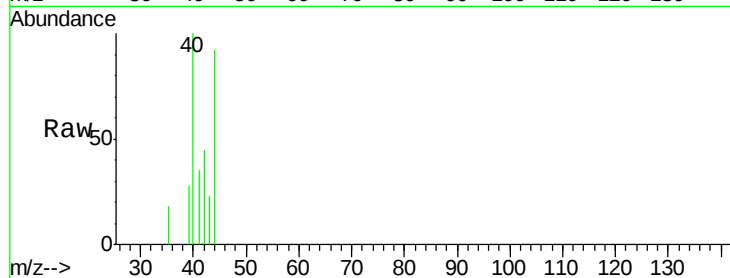
Tgt Ion: 42 Resp: 484

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 0.0 27.8 41.6#



#30

Chloroform

Concen: 0.364 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VN054957.D

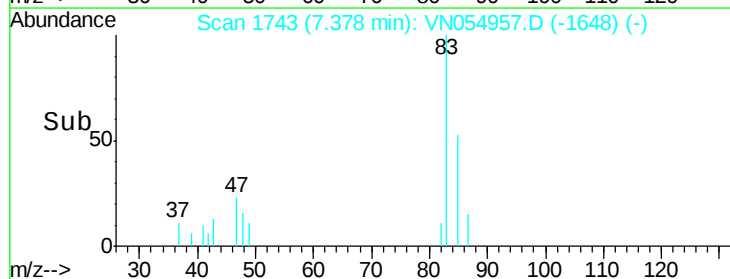
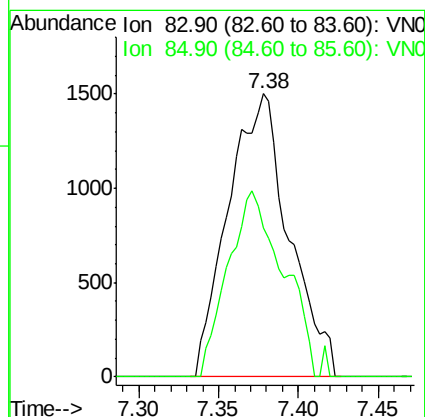
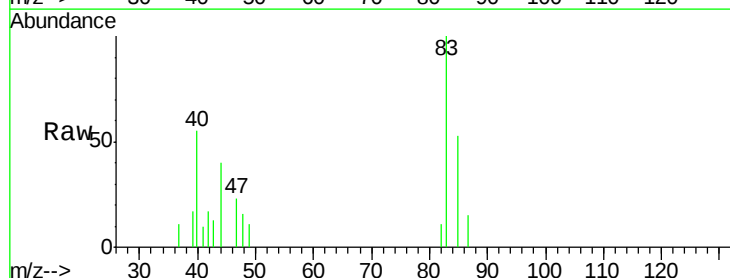
Acq: 4 Apr 2019 19:30

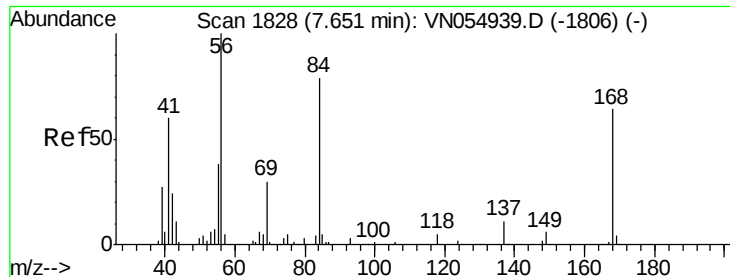
Tgt Ion: 83 Resp: 3922

Ion Ratio Lower Upper

83 100

85 52.6 51.4 77.0

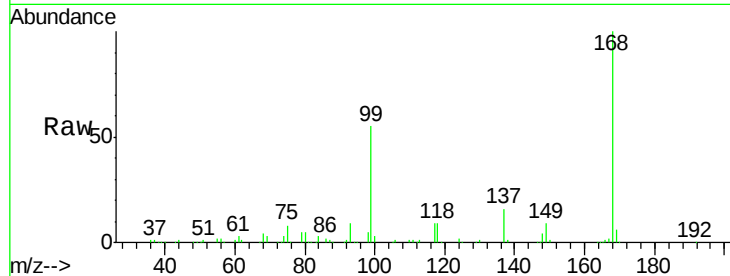




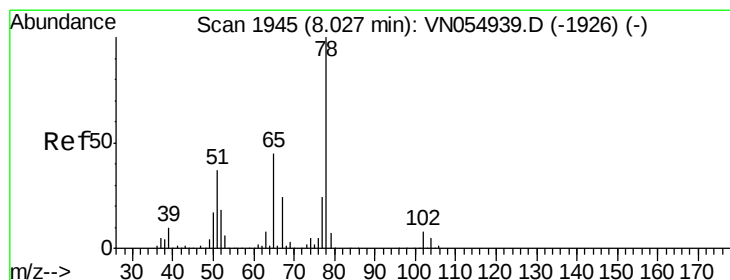
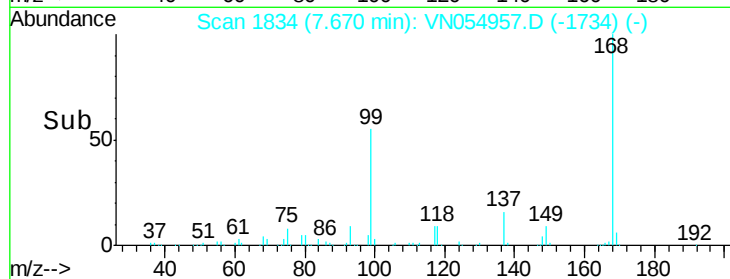
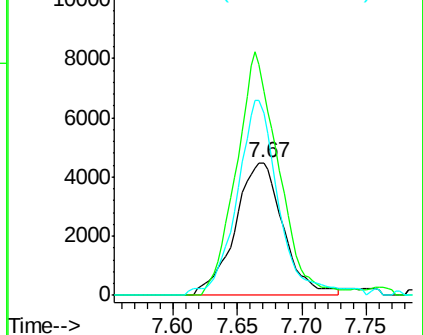
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

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

Tgt Ion: 56 Resp: 11648
Ion Ratio Lower Upper
56 100
69 154.0 23.8 35.6#
84 133.5 61.8 92.8#

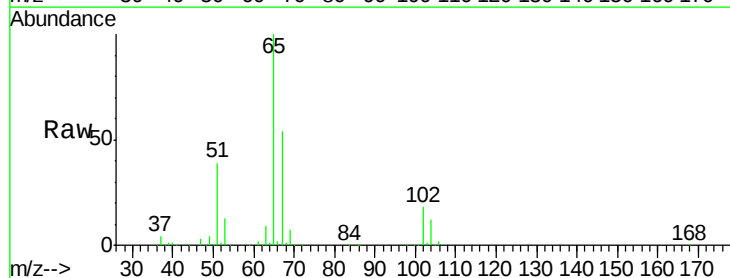


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

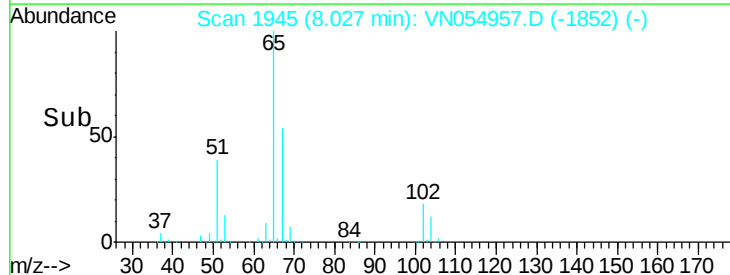
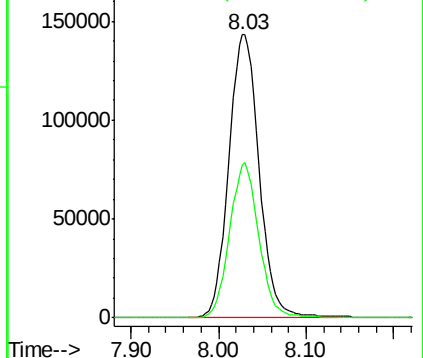


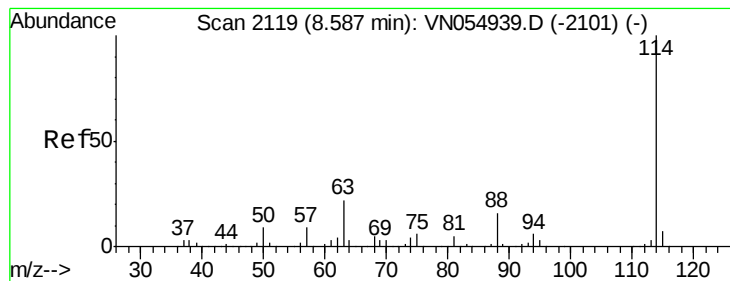
#33
1,2-Dichloroethane-d4
Concen: 50.458 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion: 65 Resp: 344803
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

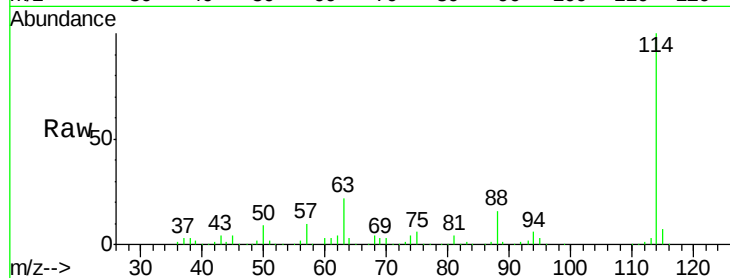
Tgt Ion:114 Resp: 881438

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

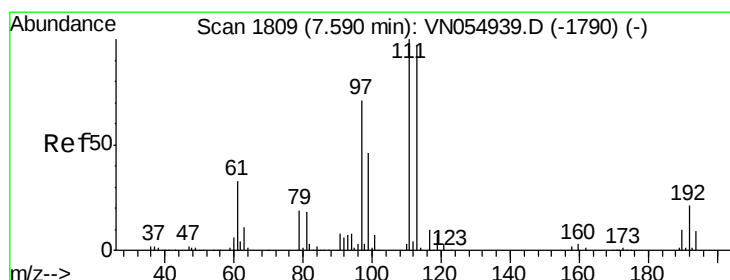
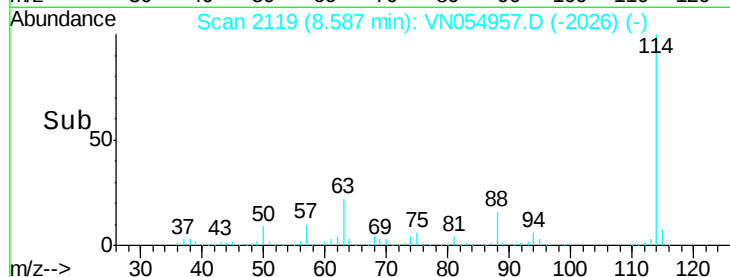
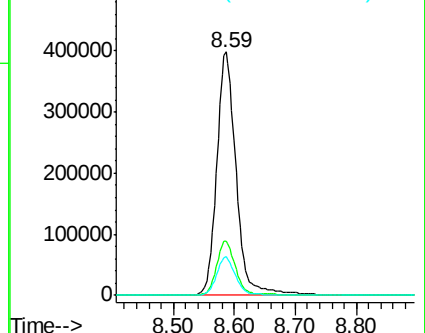
88 15.9 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.901 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

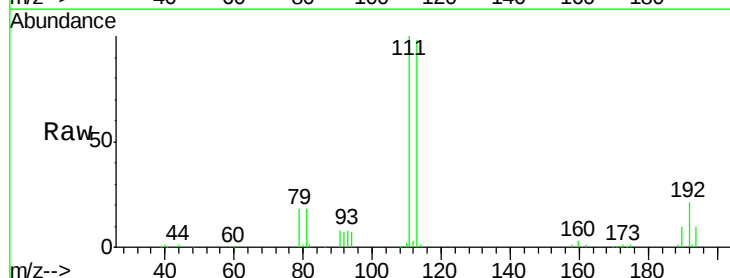
Tgt Ion:113 Resp: 274847

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.4

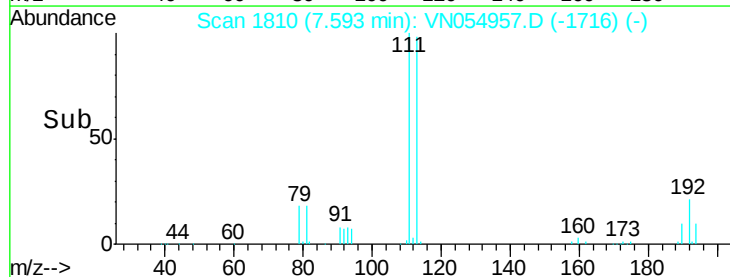
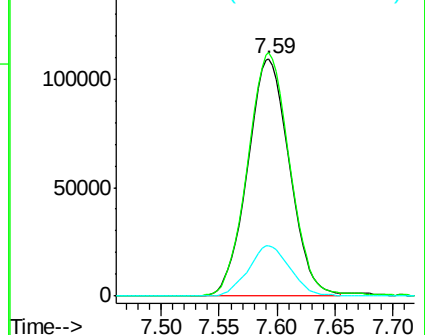
192 21.3 16.5 24.7

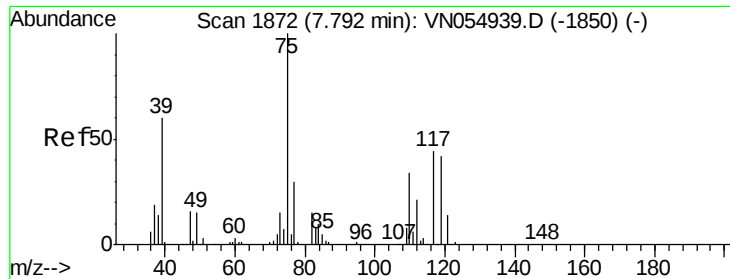


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

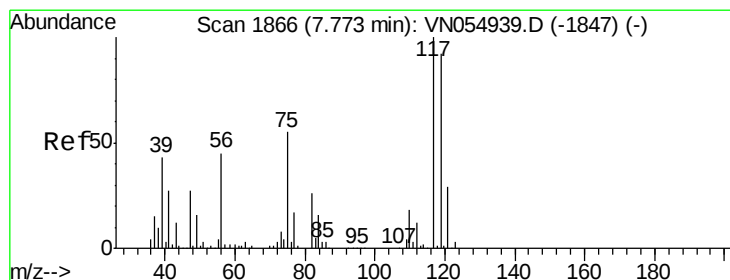
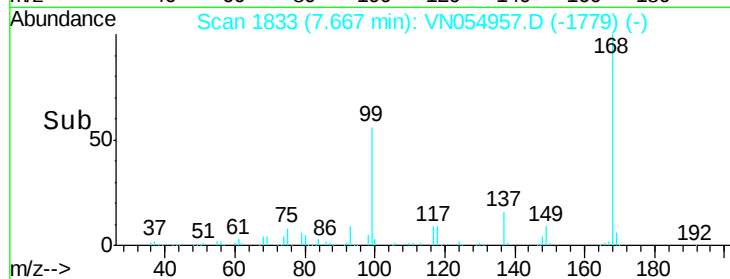
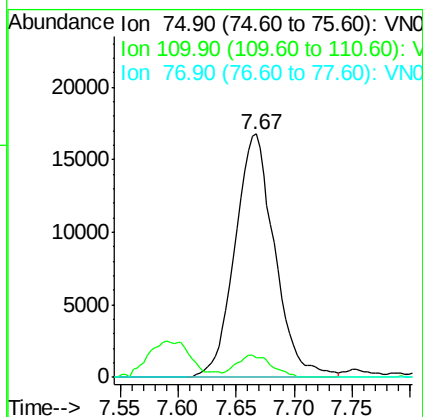
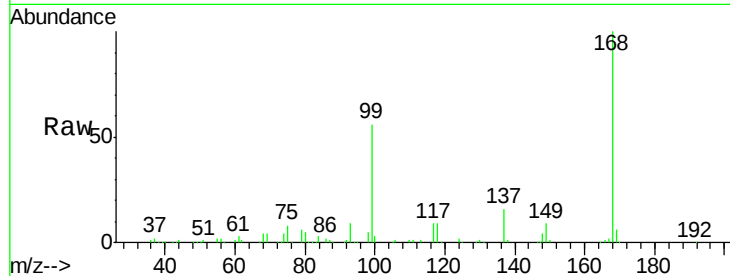




#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

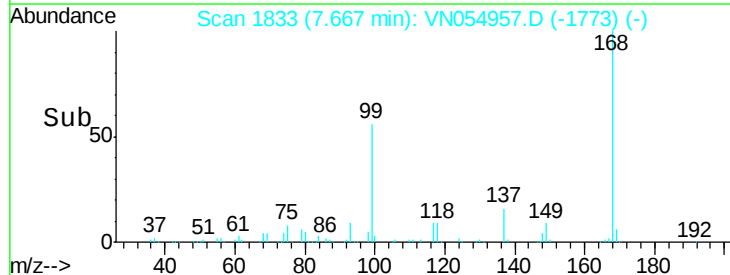
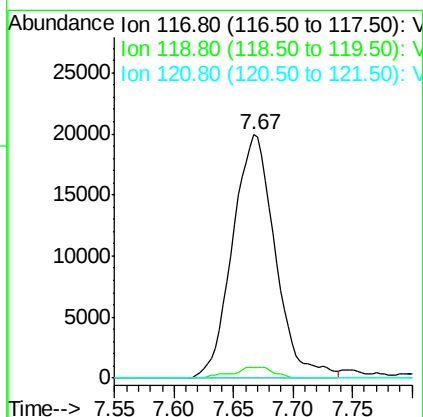
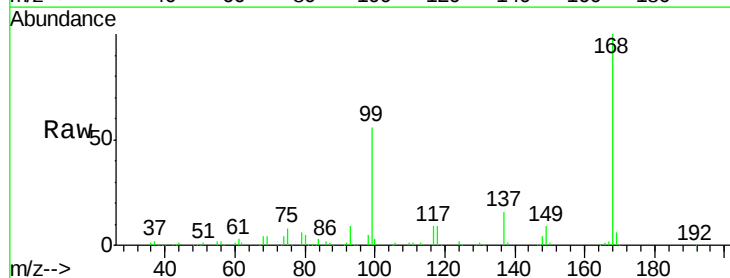
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-B

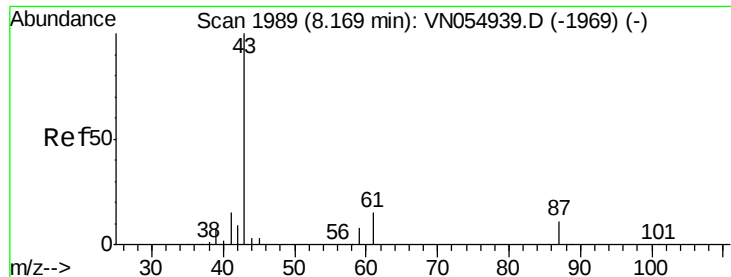
Tgt Ion: 75 Resp: 39840
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.0 50.9#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.864 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

Tgt Ion: 117 Resp: 49462
 Ion Ratio Lower Upper
 117 100
 119 4.5 73.6 110.4#
 121 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 1.645 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

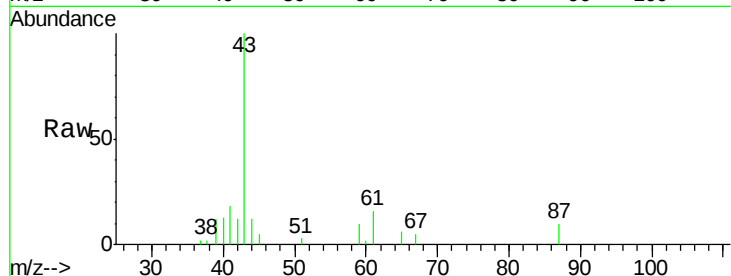
Tgt Ion: 43 Resp: 16621

Ion Ratio Lower Upper

43 100

61 17.5 14.4 21.6

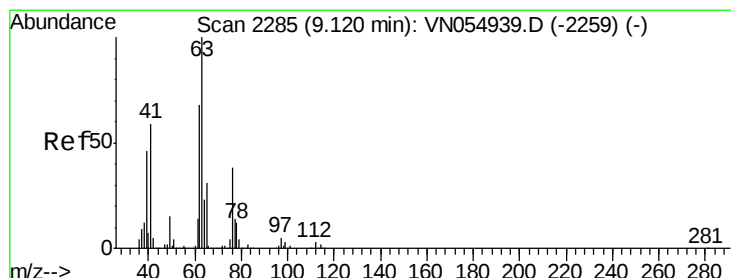
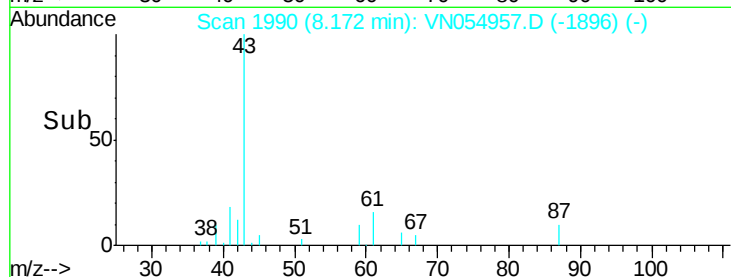
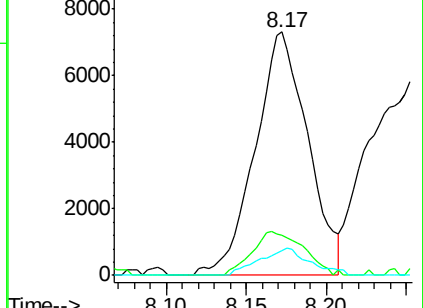
87 10.7 9.0 13.4



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



#45

1,2-Dichloropropane

Concen: 0.203 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN054957.D

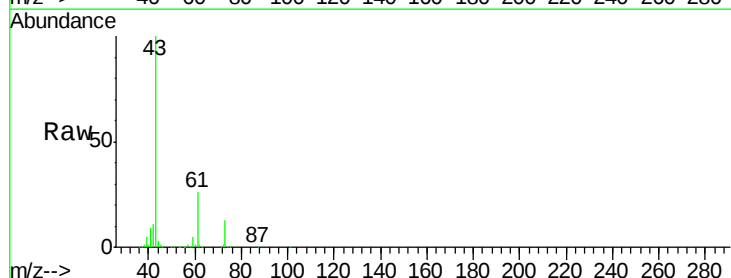
Acq: 4 Apr 2019 19:30

Tgt Ion: 63 Resp: 1421

Ion Ratio Lower Upper

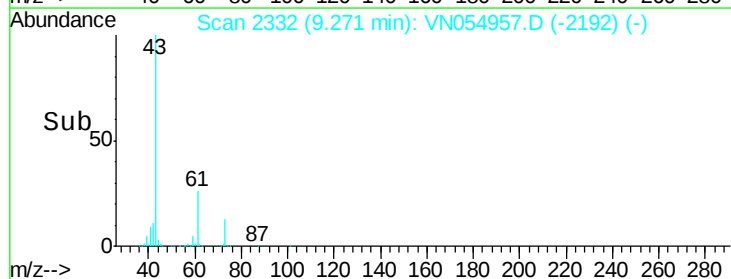
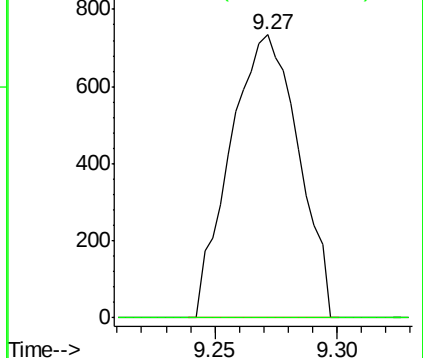
63 100

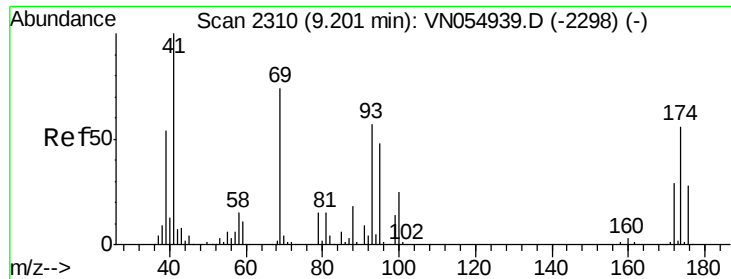
65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

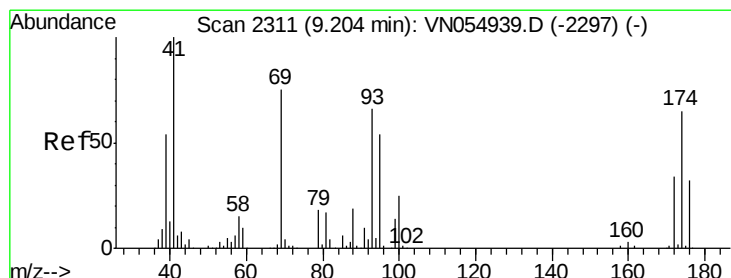
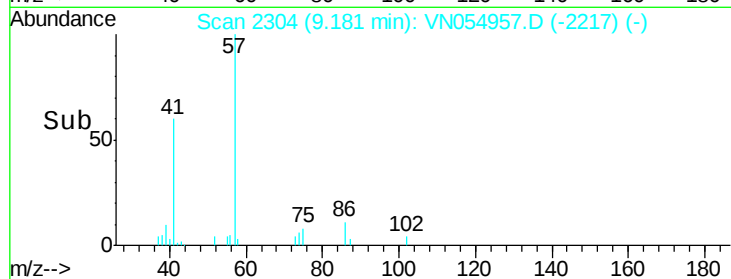
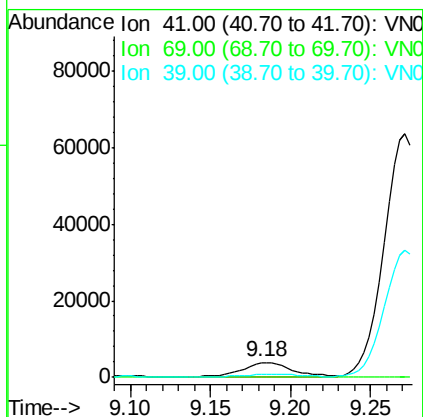
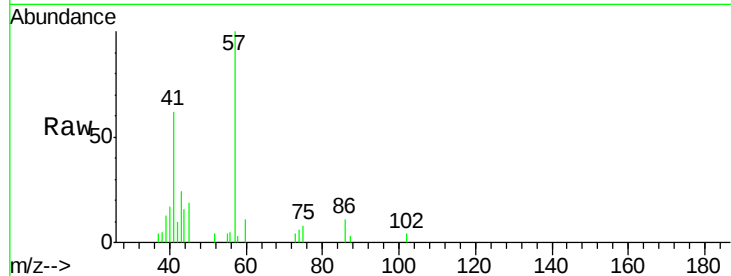




#48
Methyl methacrylate
Concen: 1.548 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

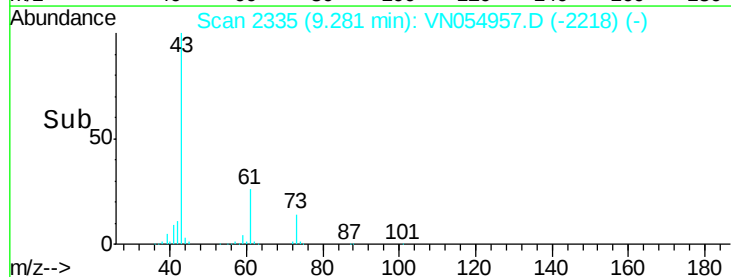
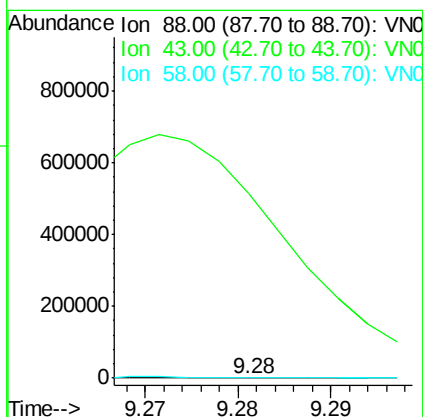
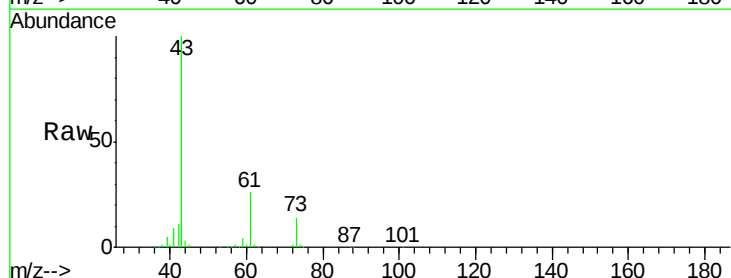
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-B

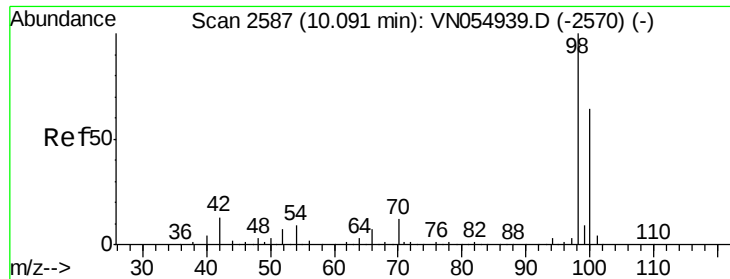
Tgt Ion: 41 Resp: 7917
Ion Ratio Lower Upper
41 100
69 0.0 58.9 88.3#
39 0.0 44.2 66.4#



#49
1,4-Dioxane
Concen: 1.221 ug/l
RT: 9.28 min Scan# 2335
Delta R.T. 0.08 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 2112122.2 31.5 47.3#
58 9000.0 61.9 92.9#





#50

Toluene-d8

Concen: 48.515 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

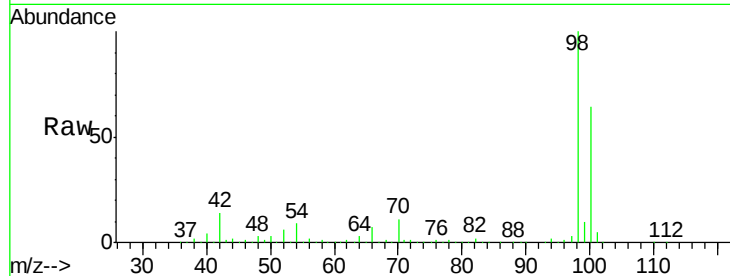
HR-06-040319-B

Tgt Ion: 98 Resp: 1056239

Ion Ratio Lower Upper

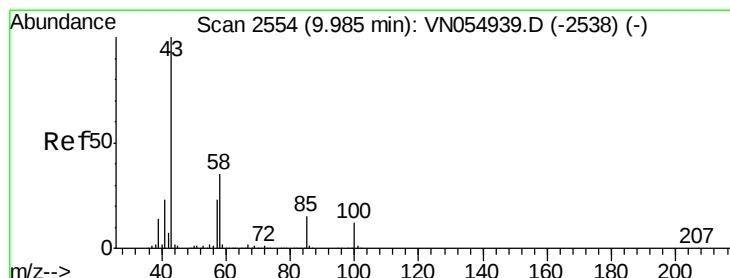
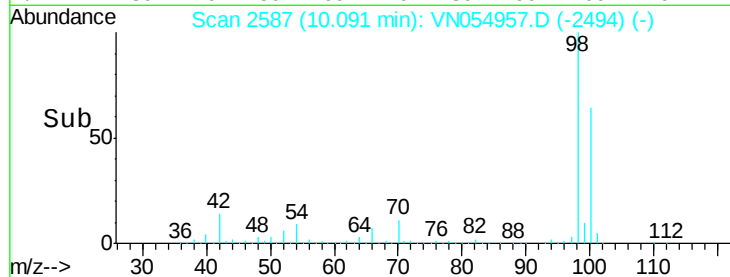
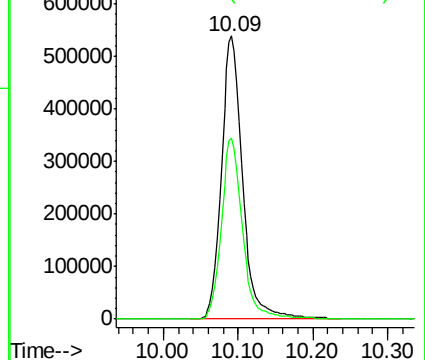
98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.447 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054957.D

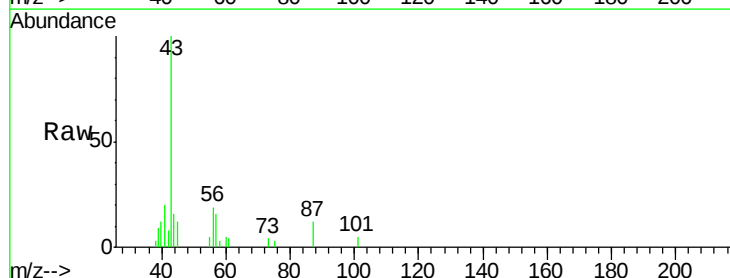
Acq: 4 Apr 2019 19:30

Tgt Ion: 43 Resp: 8154

Ion Ratio Lower Upper

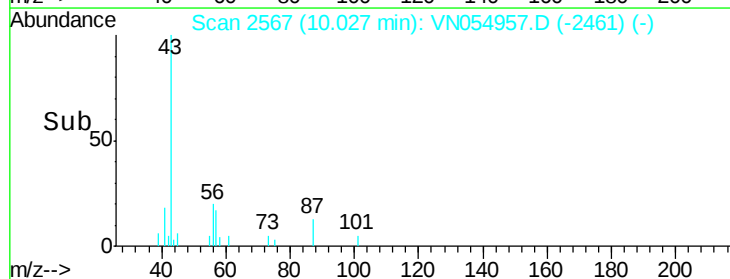
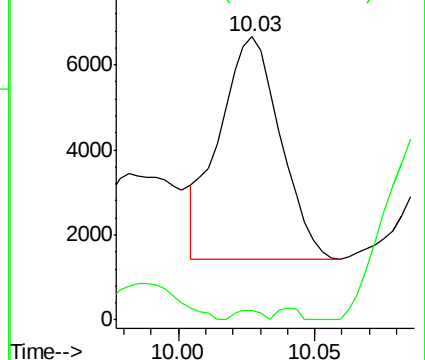
43 100

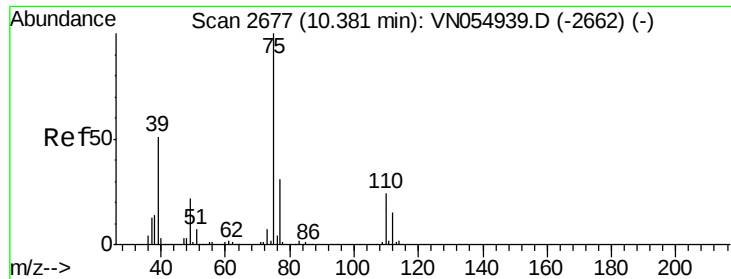
58 0.0 28.3 42.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.052 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

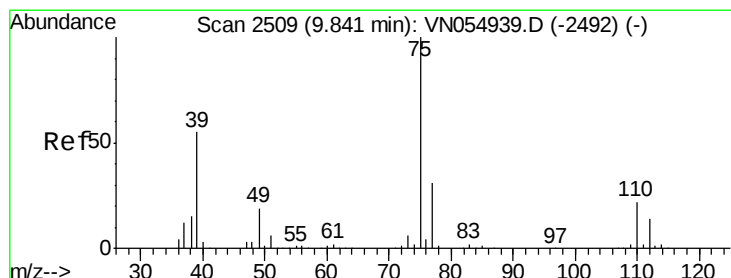
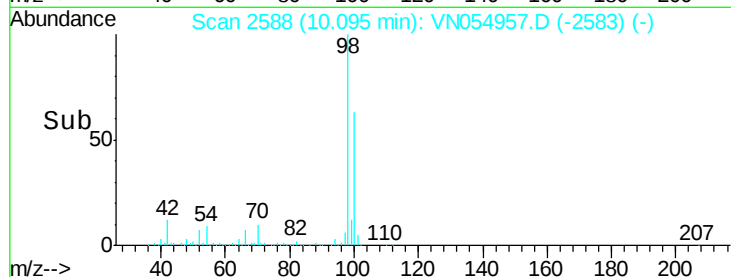
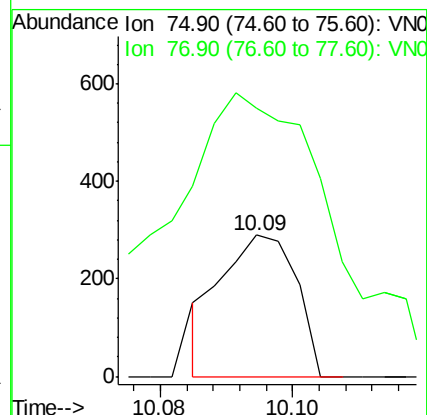
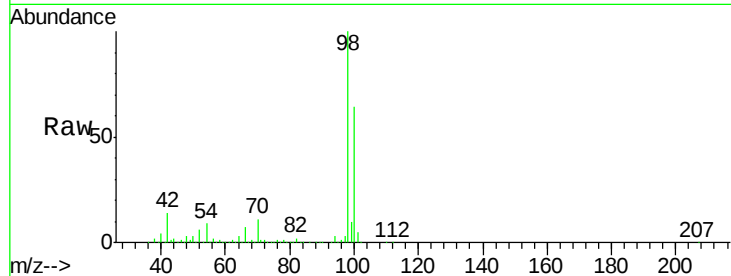
HR-06-040319-B

Tgt Ion: 75 Resp: 226

Ion Ratio Lower Upper

75 100

77 109.0 24.6 36.8#



#54

cis-1,3-Dichloropropene

Concen: 6.152 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

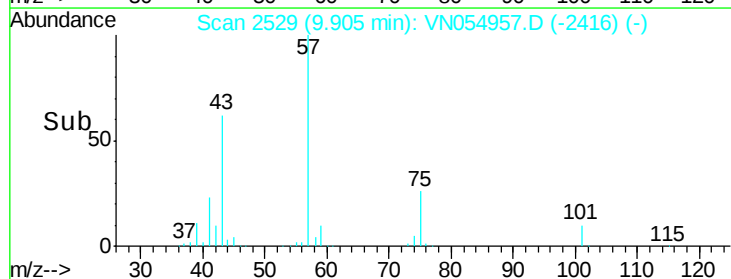
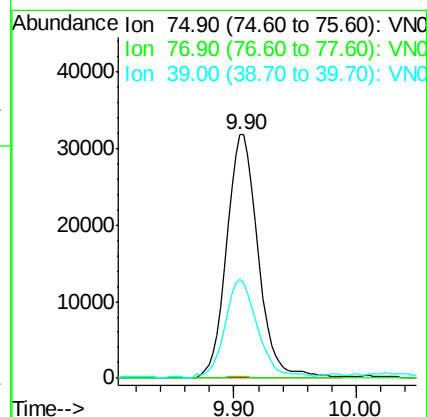
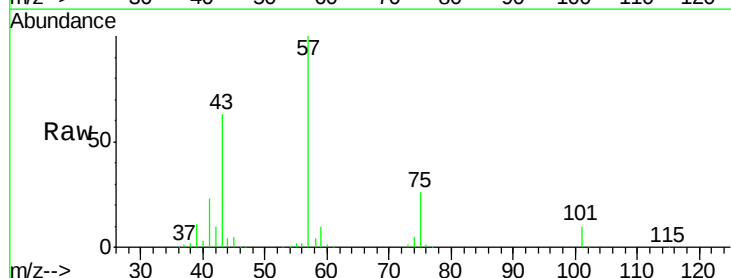
Tgt Ion: 75 Resp: 57744

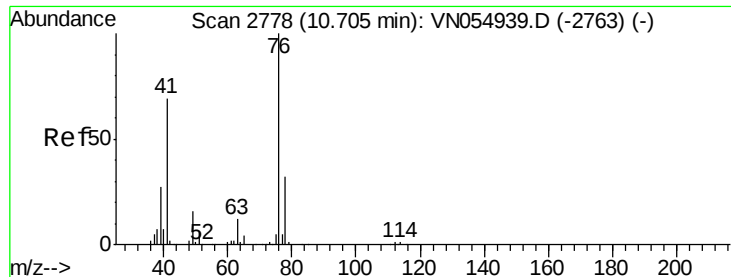
Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.4#

39 40.4 43.9 65.9#





#57

1,3-Dichloropropane

Concen: 1.046 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

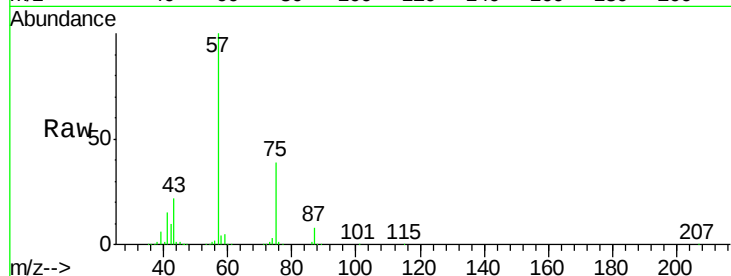
HR-06-040319-B

Tgt Ion: 76 Resp: 9812

Ion Ratio Lower Upper

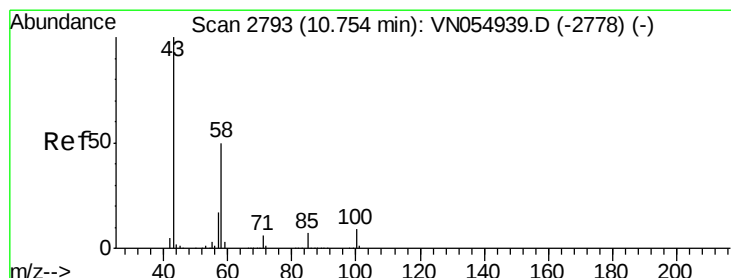
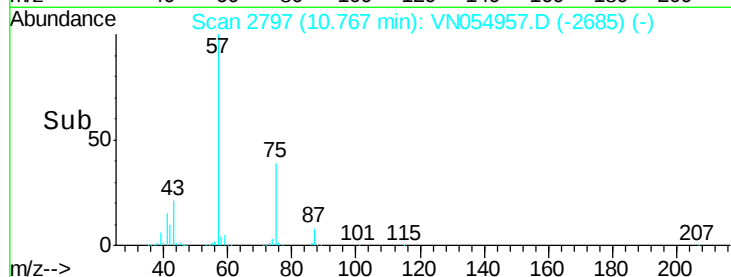
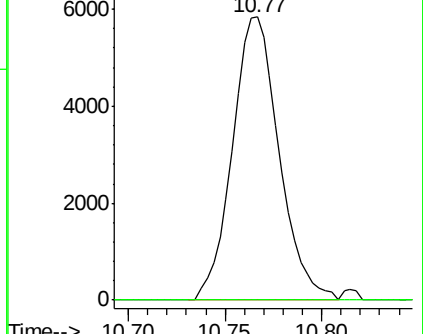
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 48.877 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054957.D

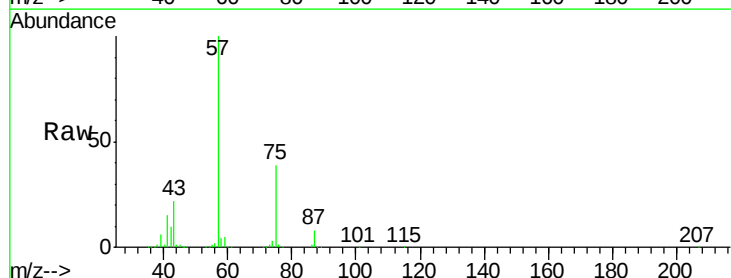
Acq: 4 Apr 2019 19:30

Tgt Ion: 43 Resp: 172035

Ion Ratio Lower Upper

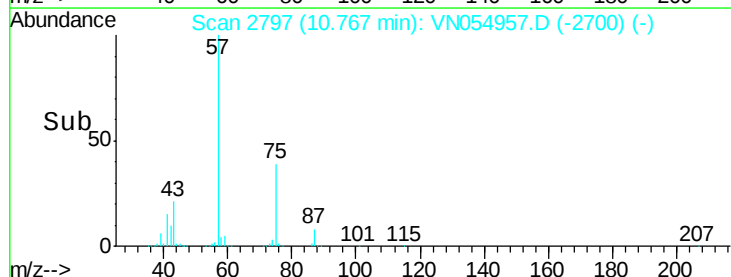
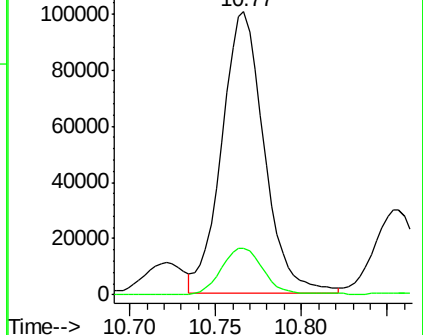
43 100

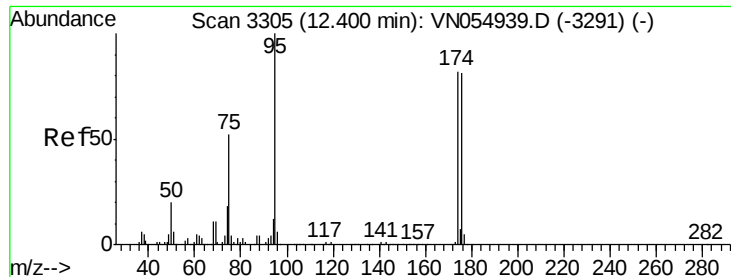
58 16.6 24.6 73.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

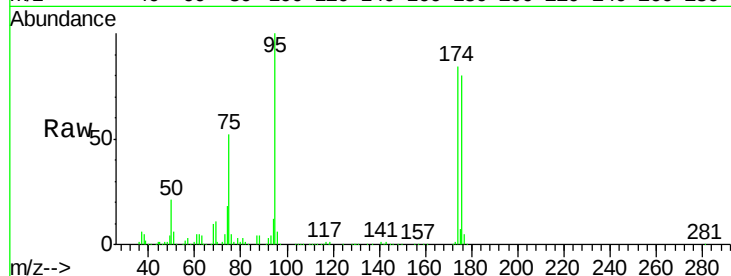
Tgt Ion: 95 Resp: 333624

Ion Ratio Lower Upper

95 100

174 85.3 0.0 166.2

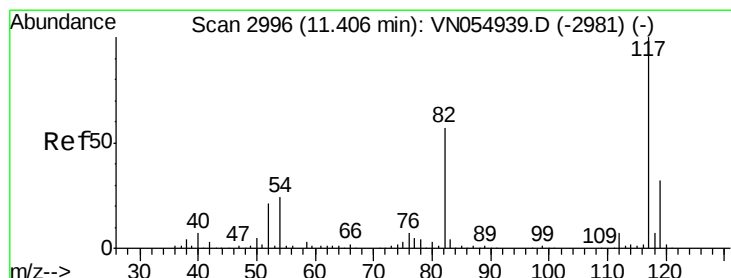
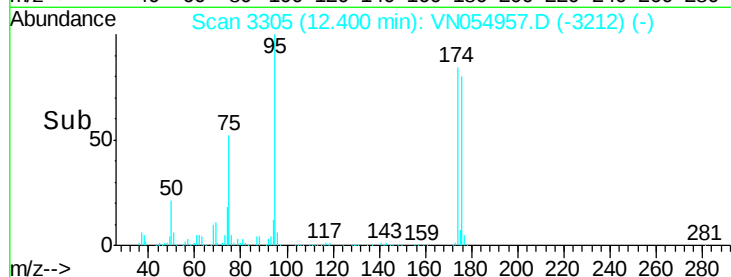
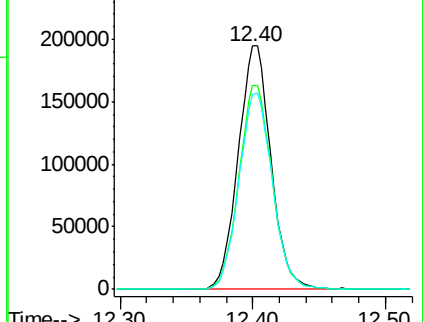
176 82.5 0.0 163.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

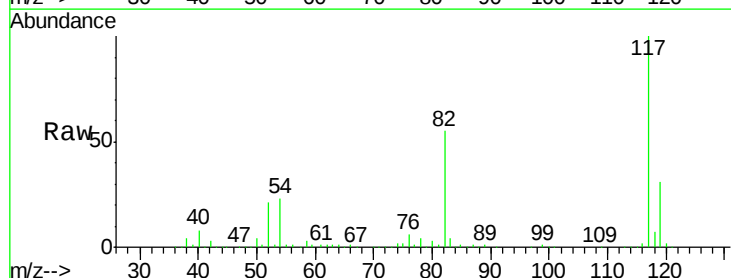
Tgt Ion: 117 Resp: 757993

Ion Ratio Lower Upper

117 100

82 55.2 45.3 67.9

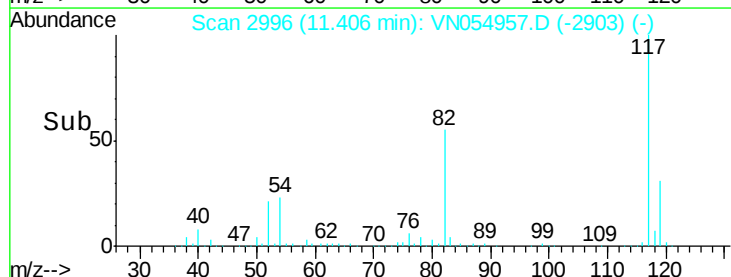
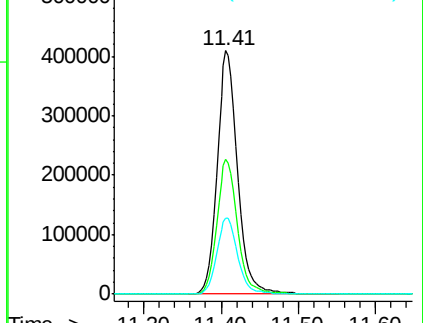
119 31.3 25.8 38.6

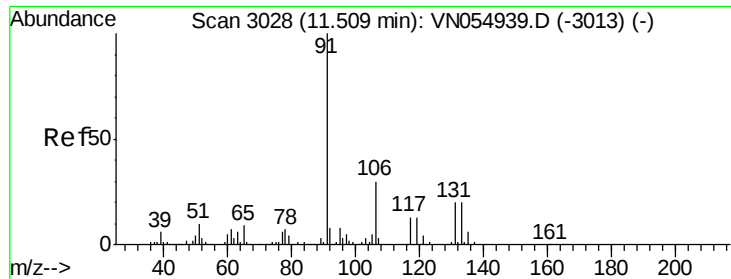


Abundance Ion 116.90 (116.60 to 117.60): VN054939.D (-2981) (-)

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

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

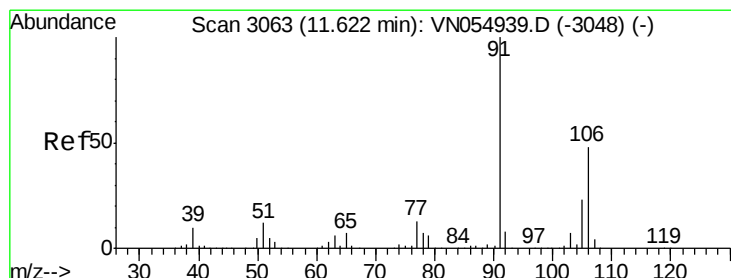
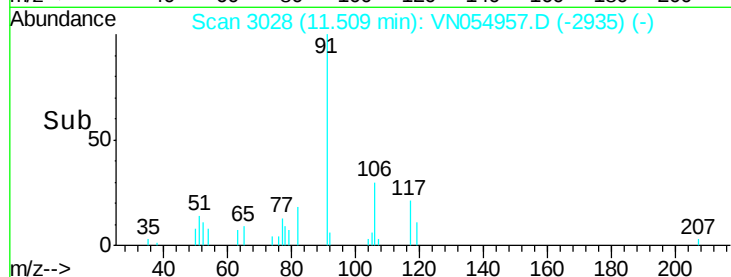
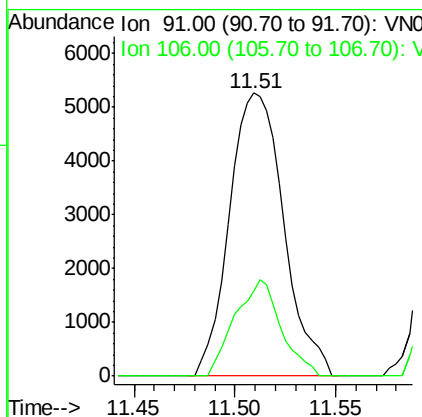
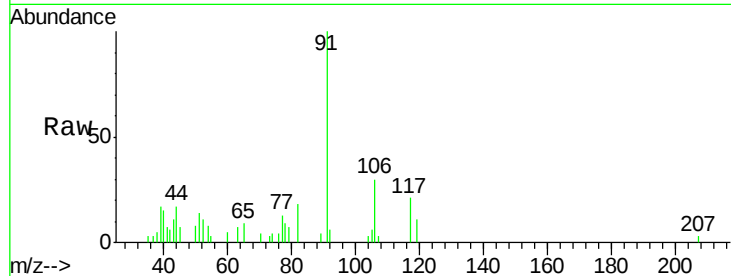




#67
Ethyl Benzene
Concen: 0.356 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

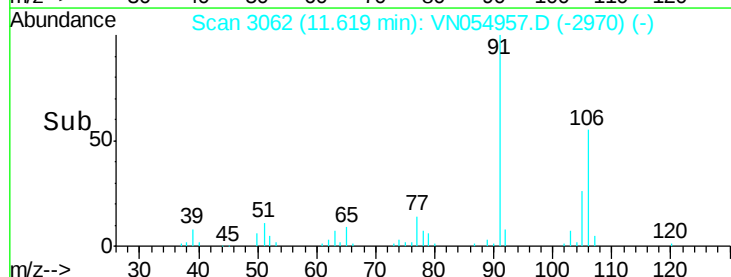
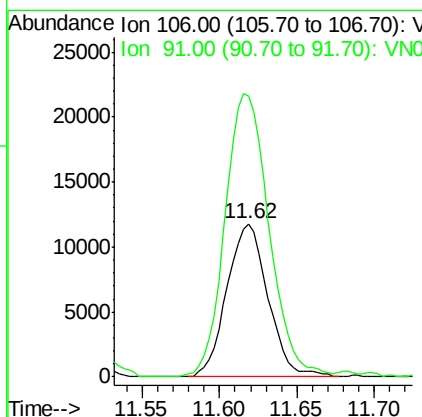
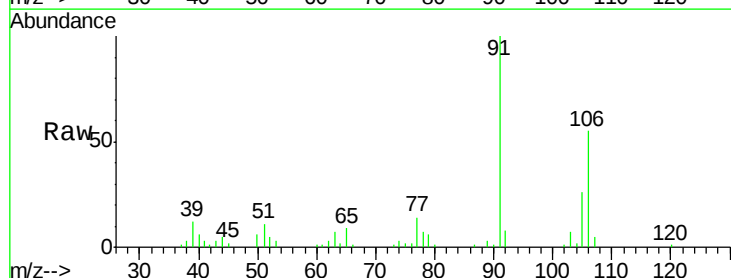
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-B

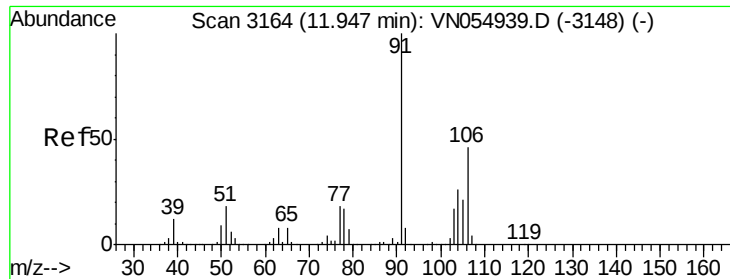
Tgt Ion: 91 Resp: 9912
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 2.131 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion: 106 Resp: 21703
Ion Ratio Lower Upper
106 100
91 198.3 167.4 251.2

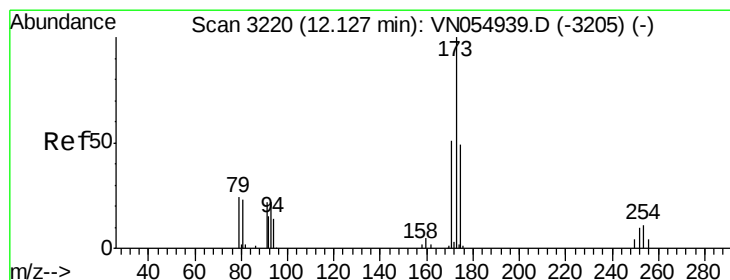
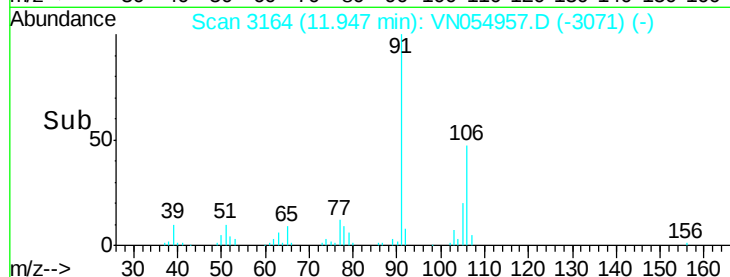
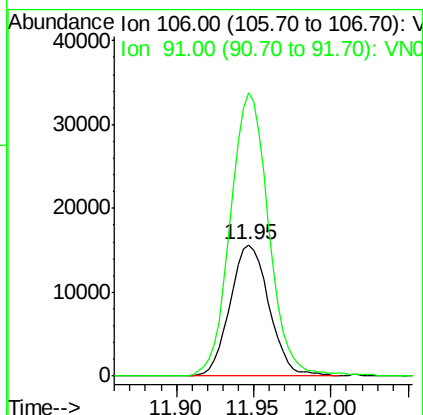
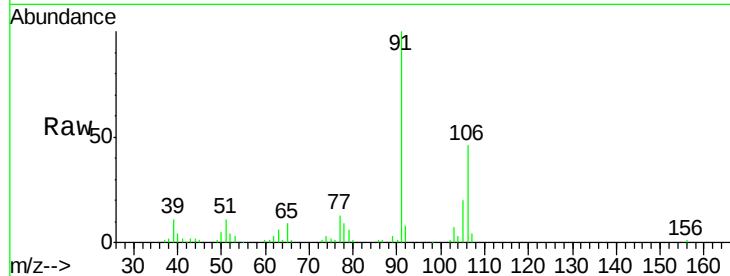




#69
o-Xylene
Concen: 2.768 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

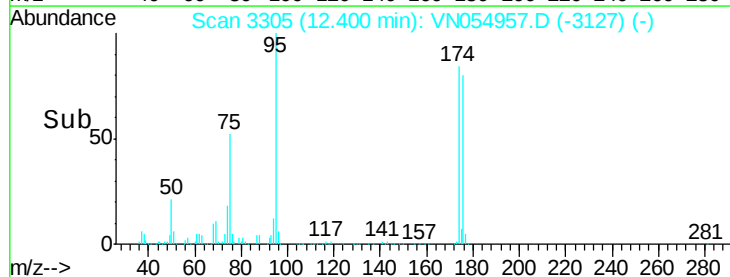
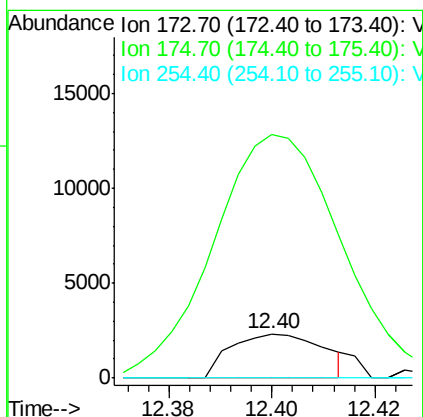
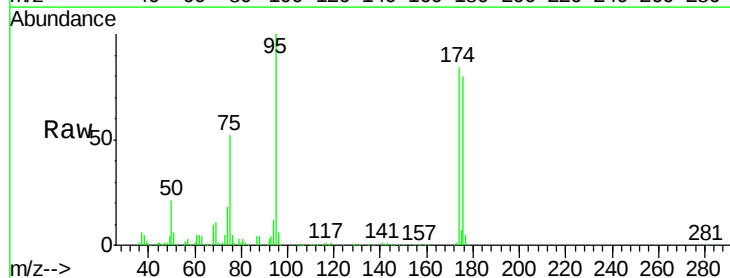
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-B

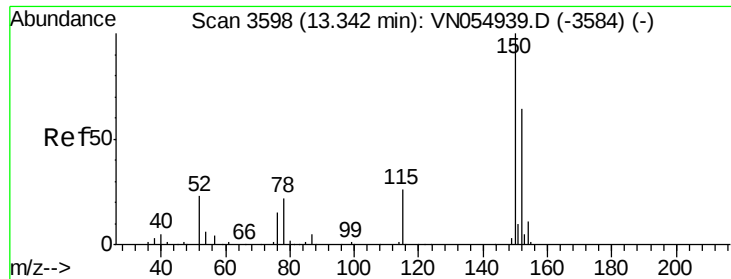
Tgt Ion:106 Resp: 27499
Ion Ratio Lower Upper
106 100
91 212.1 109.9 329.7



#71
Bromoform
Concen: 0.854 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion:173 Resp: 2903
Ion Ratio Lower Upper
173 100
175 666.2 24.1 72.4#
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: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

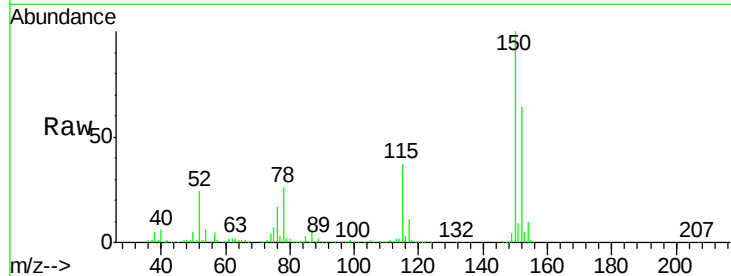
Tgt Ion:152 Resp: 299447

Ion Ratio Lower Upper

152 100

115 61.9 28.9 86.8

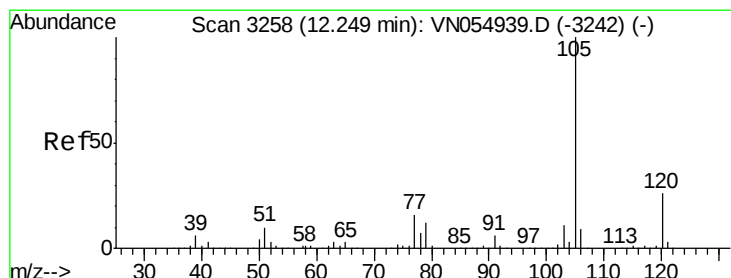
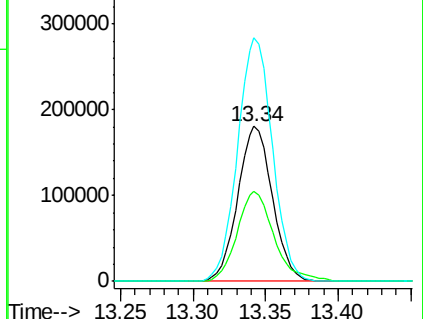
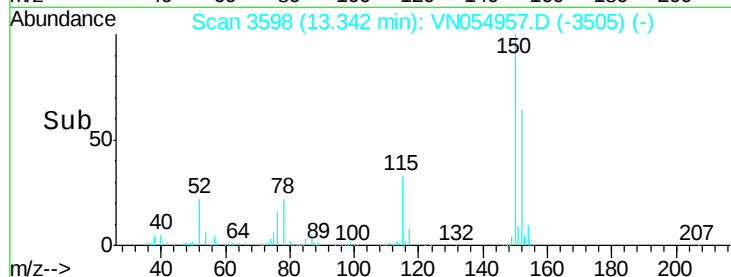
150 158.3 0.0 345.4



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



#73

Isopropylbenzene

Concen: 0.431 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054957.D

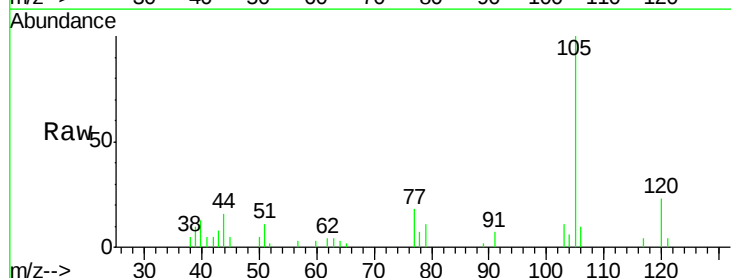
Acq: 4 Apr 2019 19:30

Tgt Ion:105 Resp: 10910

Ion Ratio Lower Upper

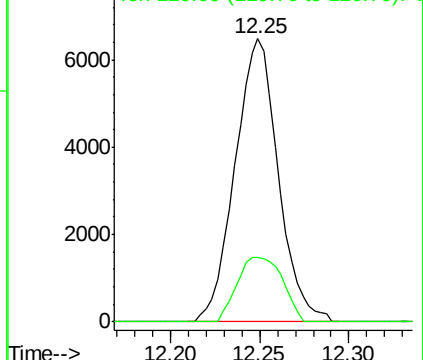
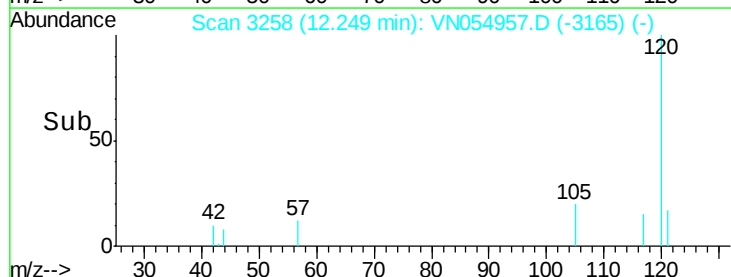
105 100

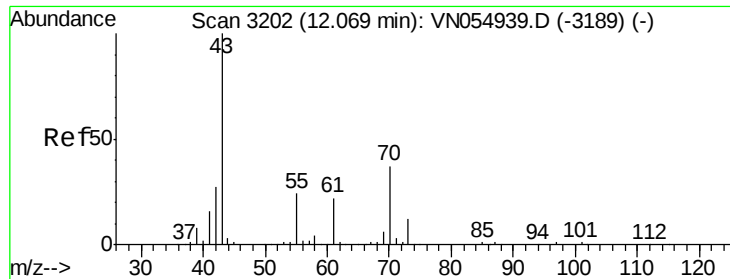
120 24.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 2.513 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampled :

HR-06-040319-B

Tgt Ion: 43 Resp: 17669

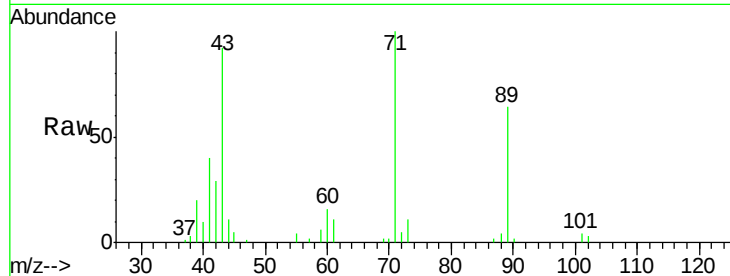
Ion Ratio Lower Upper

43 100

70 1.3 29.3 43.9#

55 4.7 19.2 28.8#

61 11.1 17.4 26.2#

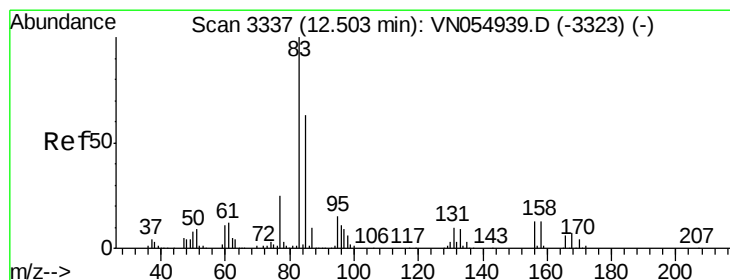
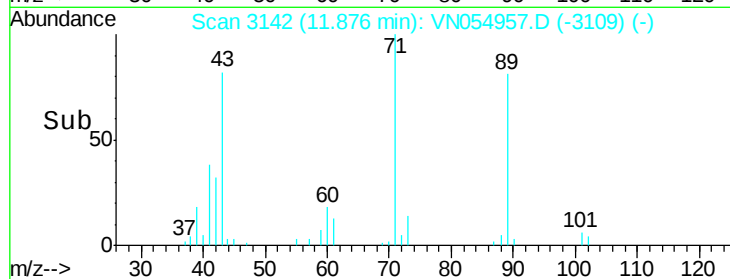
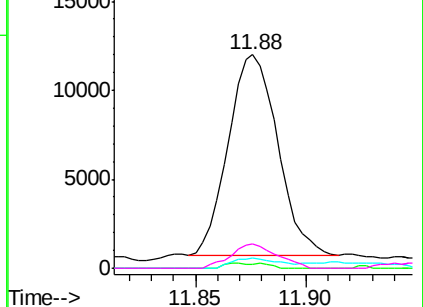


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.56 min Scan# 3356

Delta R.T. 0.06 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

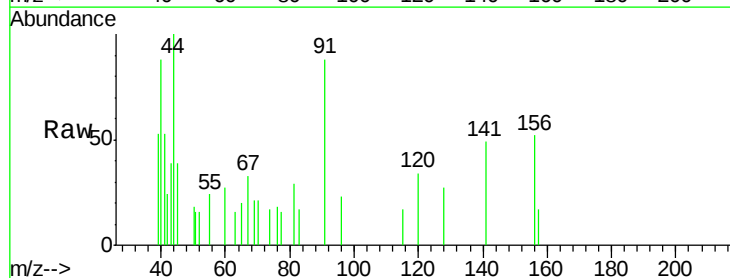
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

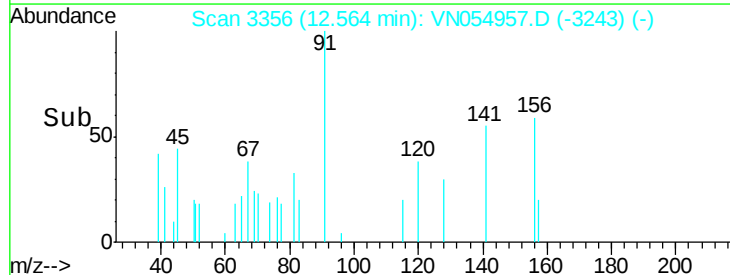
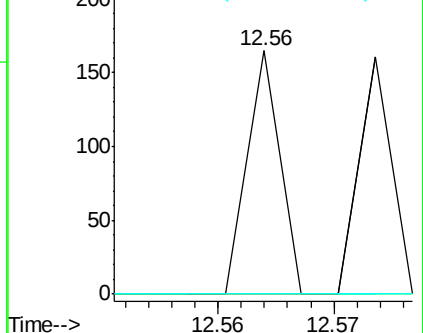
85 0.0 31.4 94.0#

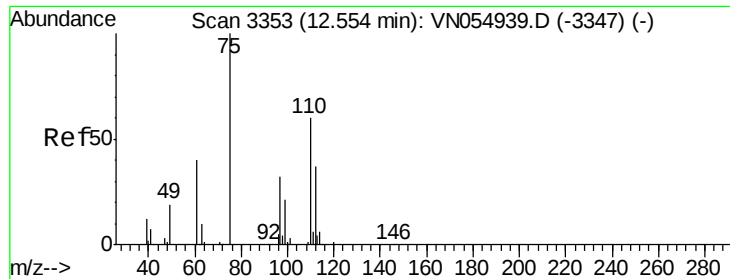


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 37.016 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

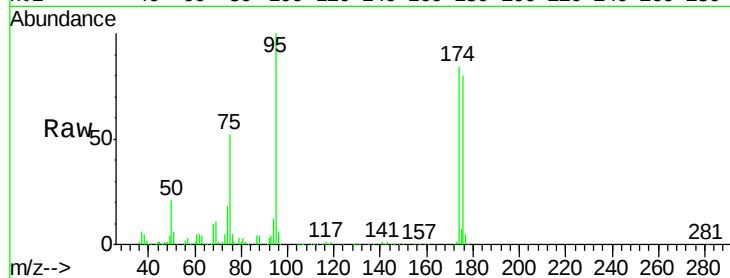
HR-06-040319-B

Tgt Ion: 75 Resp: 175029

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

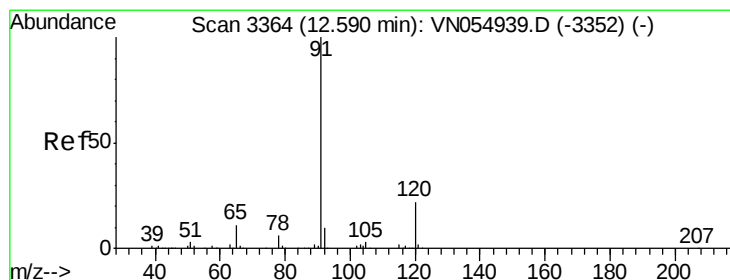
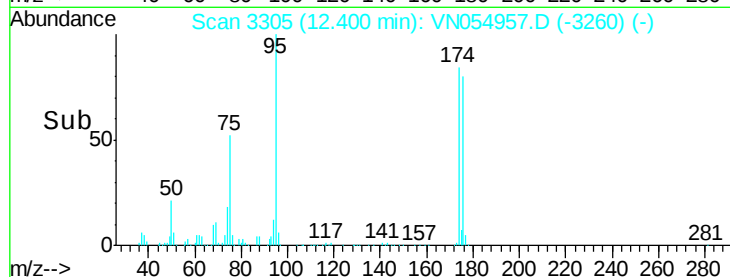
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 1.503 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054957.D

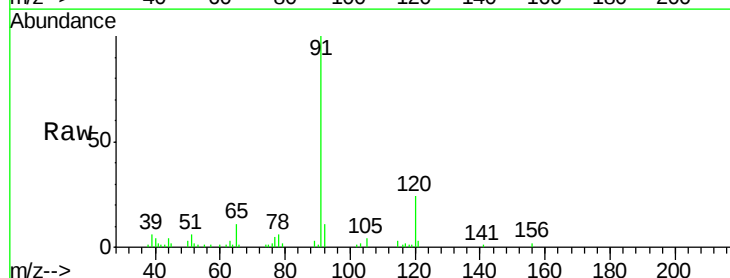
Acq: 4 Apr 2019 19:30

Tgt Ion: 91 Resp: 41887

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

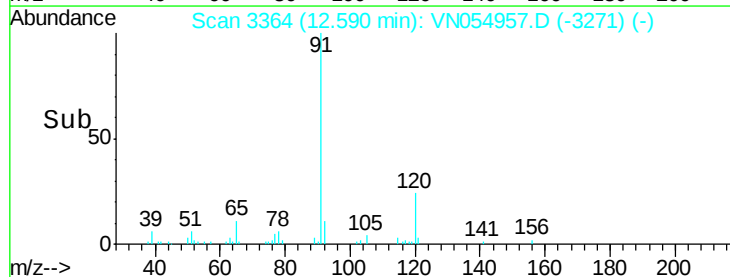
15000

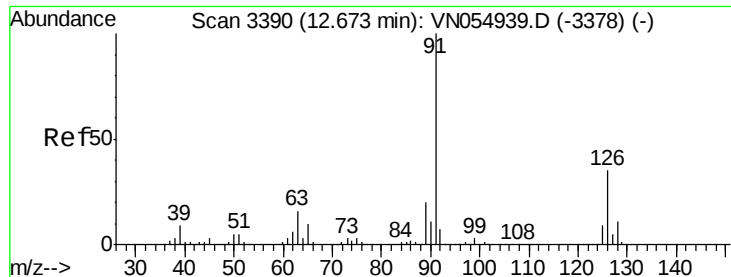
10000

5000

0

Time--> 12.55 12.60

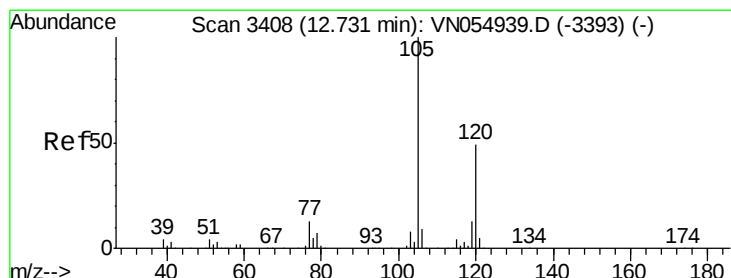
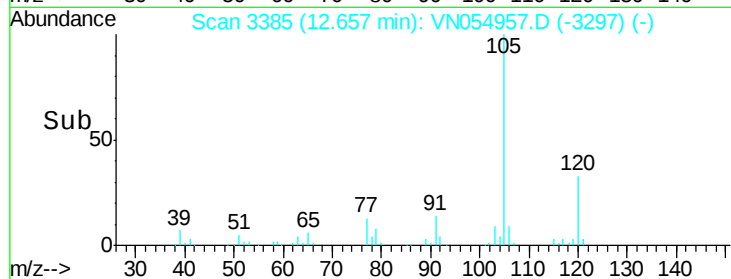
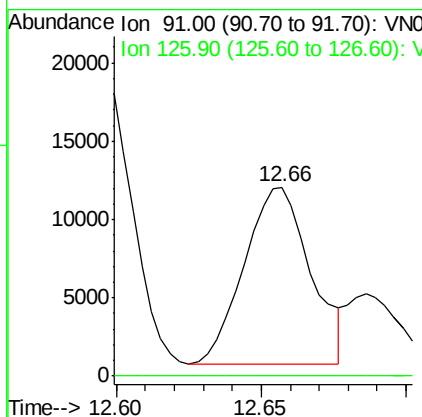
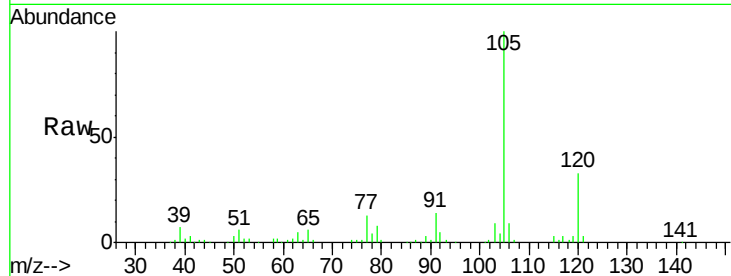




#79
 2-Chlorotoluene
 Concen: 1.036 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

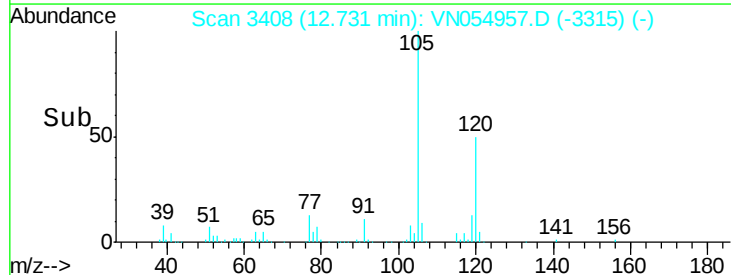
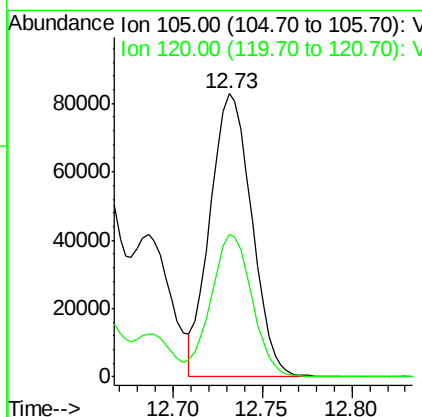
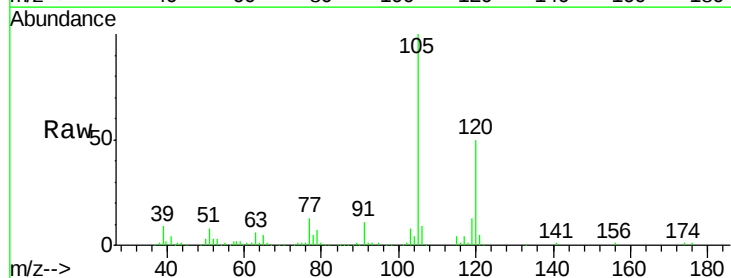
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-B

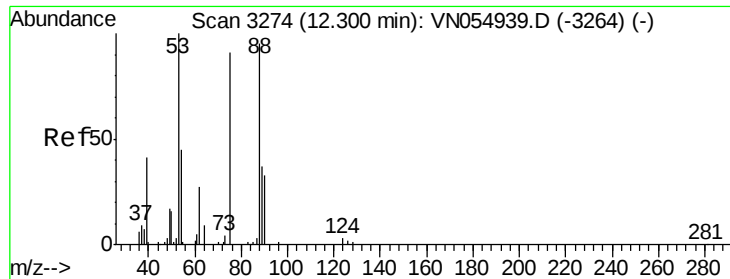
Tgt Ion: 91 Resp: 17902
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 6.456 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

Tgt Ion: 105 Resp: 134121
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.1 72.3

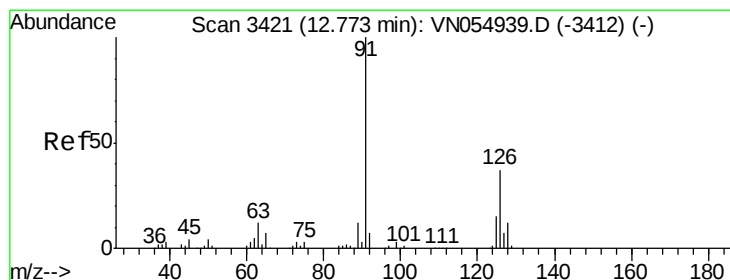
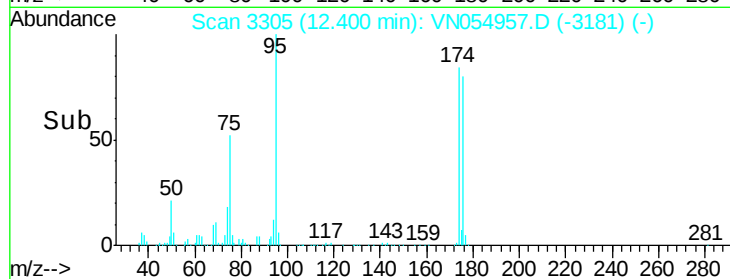
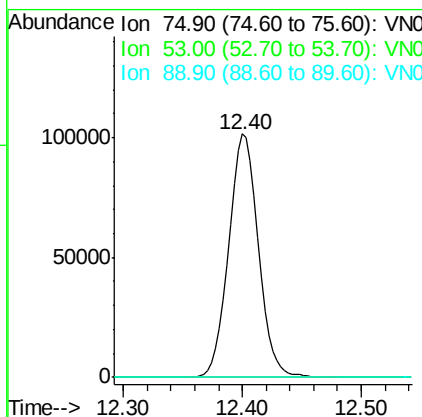
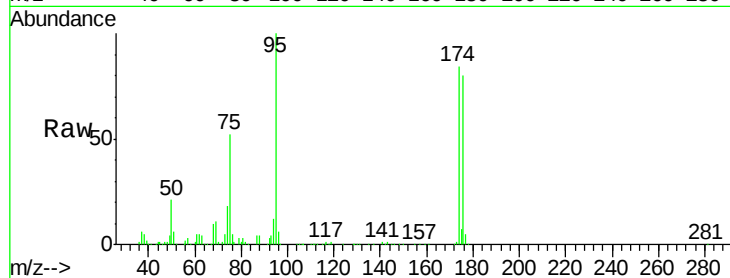




#81
trans-1,4-Dichloro-2-butene
Concen: 135.016 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

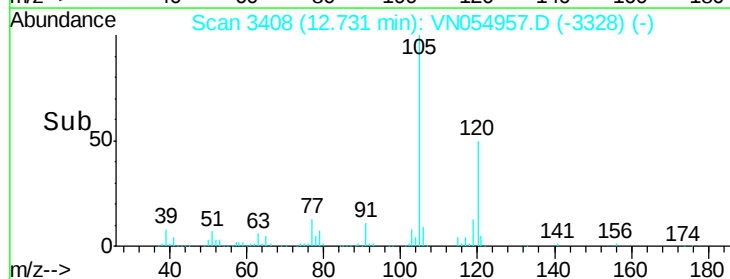
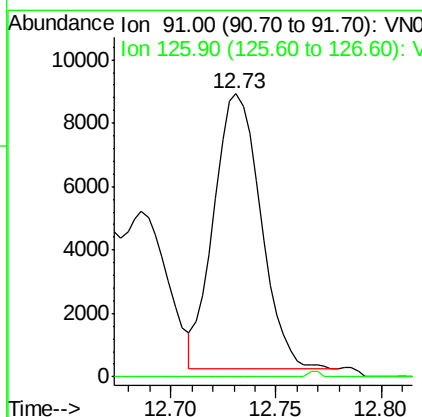
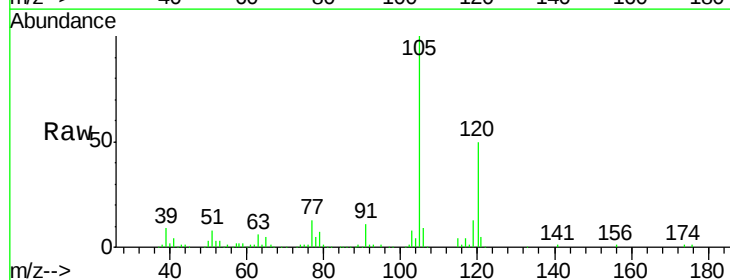
Instrument :
MSVOA_N
ClientSampled :
HR-06-040319-B

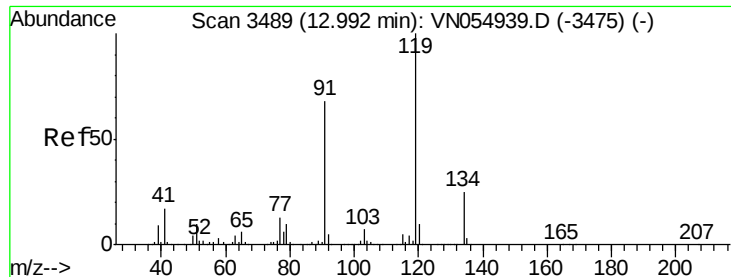
Tgt Ion: 75 Resp: 175029
Ion Ratio Lower Upper
75 100
53 0.0 92.8 139.2#
89 0.0 36.7 55.1#



#82
4-Chlorotoluene
Concen: 0.815 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion: 91 Resp: 13318
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#

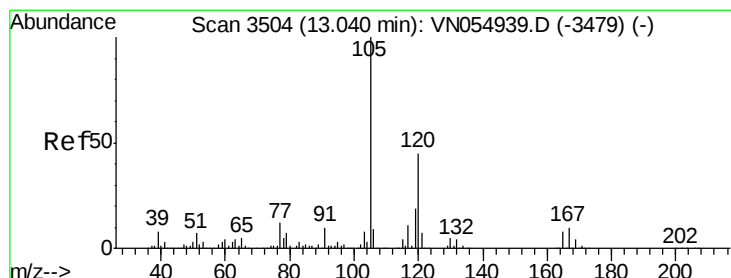
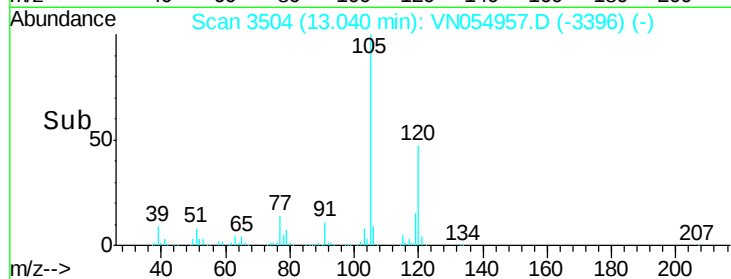
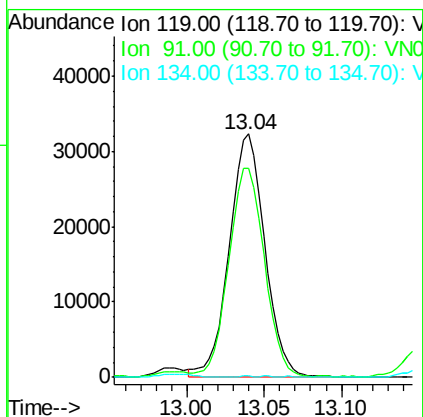
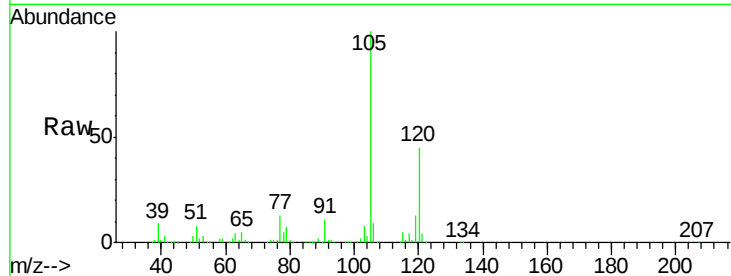




#83
 tert-Butylbenzene
 Concen: 2.915 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

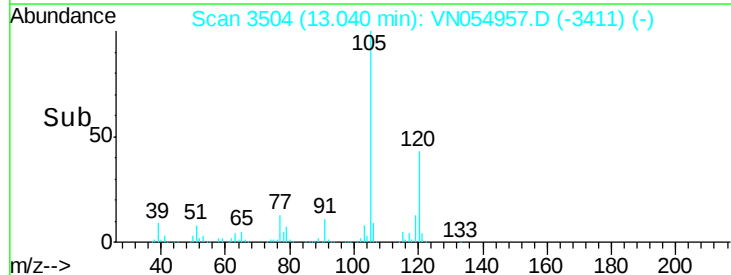
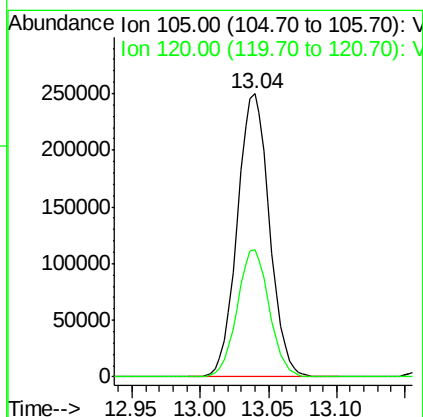
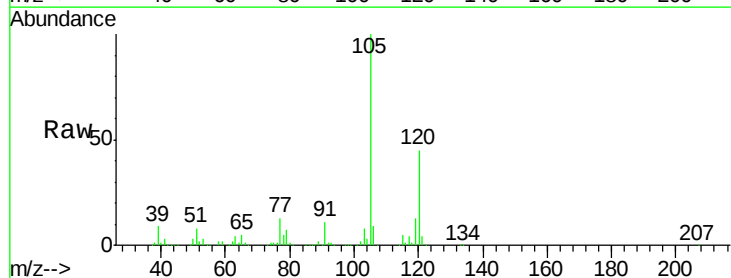
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-B

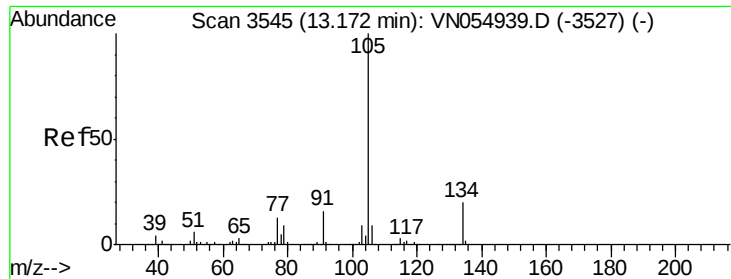
Tgt Ion:119 Resp: 51521
 Ion Ratio Lower Upper
 119 100
 91 86.5 33.5 100.5
 134 0.0 12.4 37.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 20.311 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

Tgt Ion:105 Resp: 408237
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.3

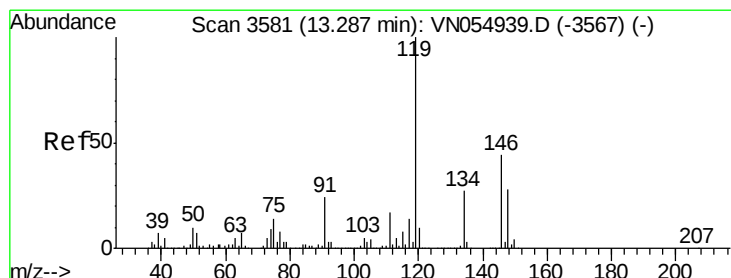
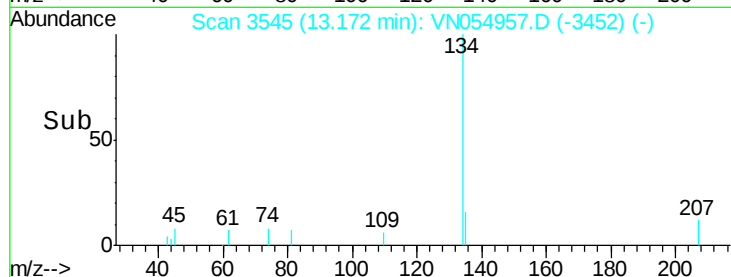
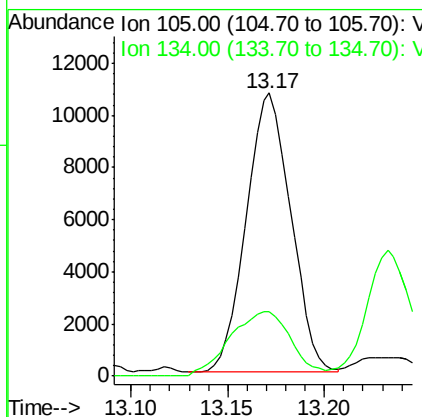
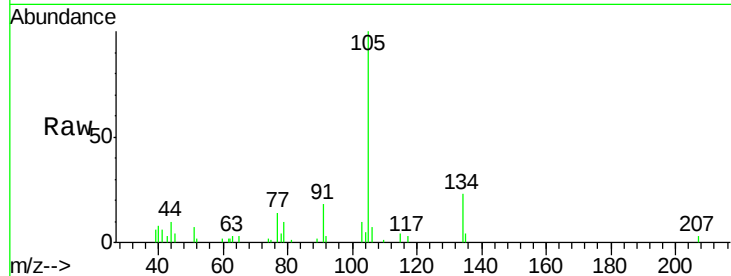




#85
 sec-Butylbenzene
 Concen: 0.755 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

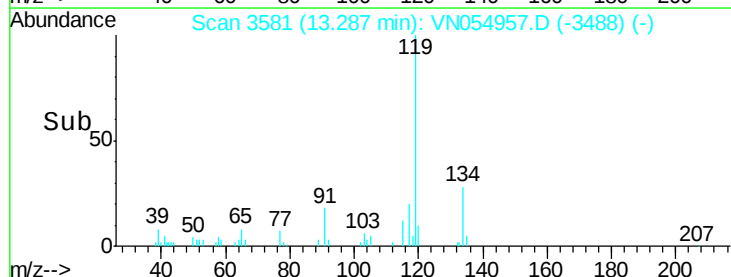
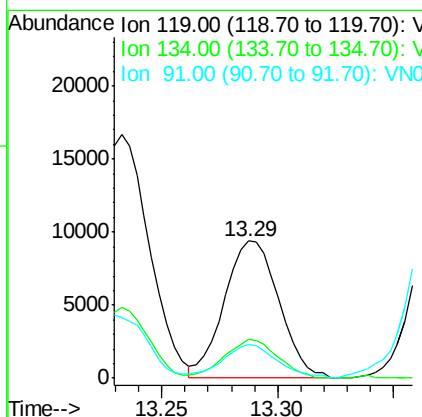
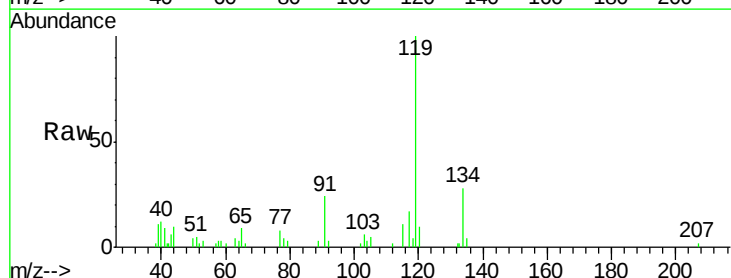
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-B

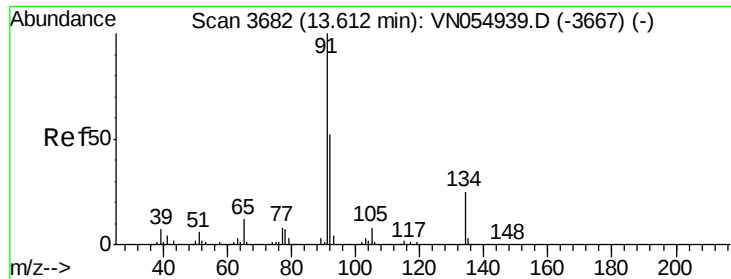
Tgt Ion:105 Resp: 17264
 Ion Ratio Lower Upper
 105 100
 134 31.4 9.8 29.5#



#86
 p-Isopropyltoluene
 Concen: 0.781 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054957.D
 Acq: 4 Apr 2019 19:30

Tgt Ion:119 Resp: 15379
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.5
 91 24.2 11.9 35.7

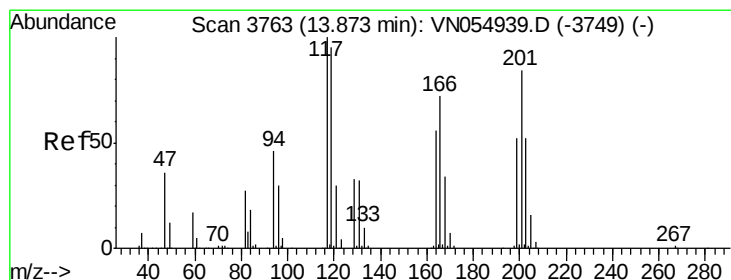
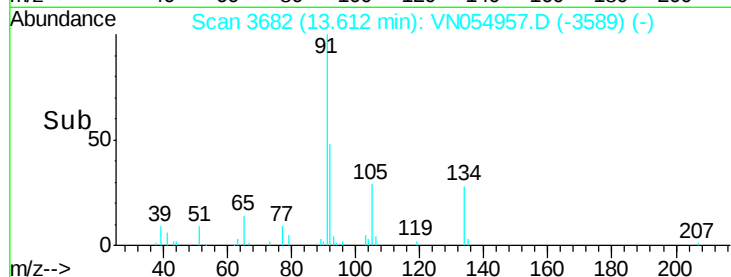
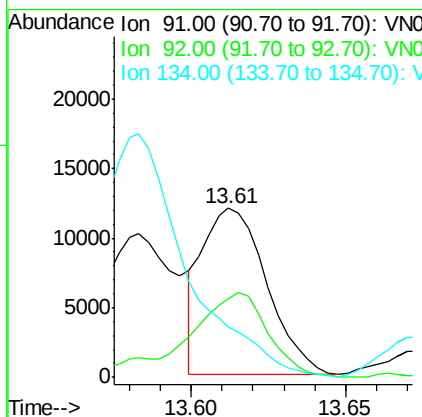
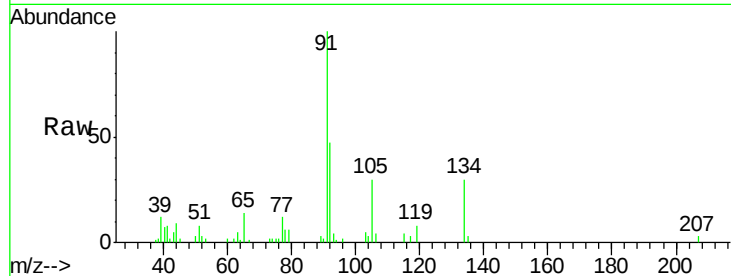




#89
n-Butylbenzene
Concen: 1.091 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

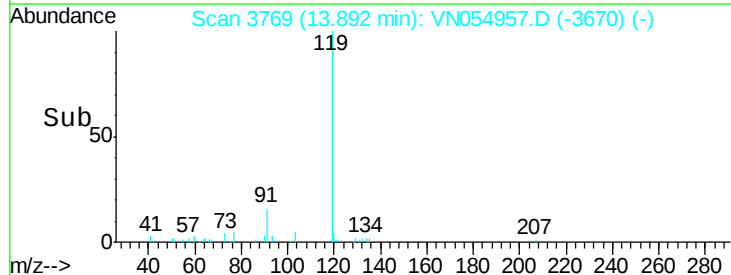
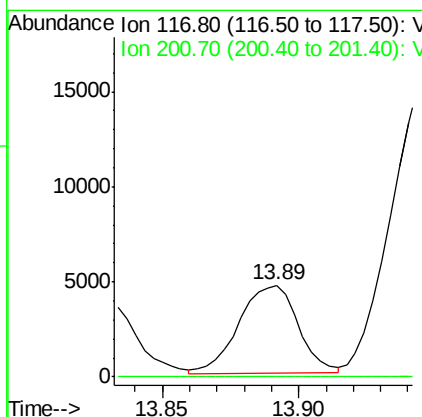
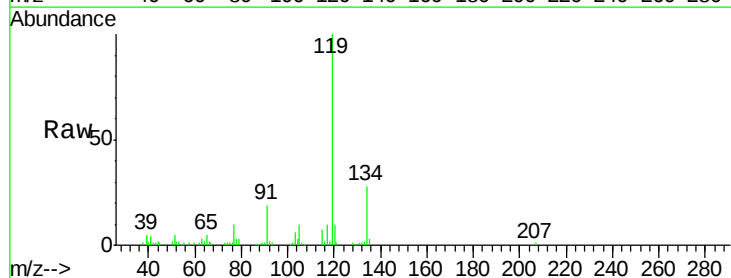
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-B

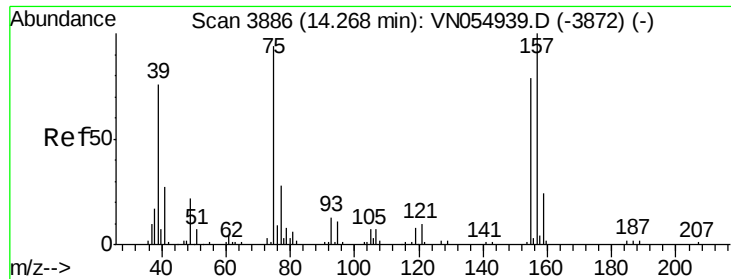
Tgt Ion: 91 Resp: 17169
Ion Ratio Lower Upper
91 100
92 65.8 26.1 78.2
134 0.0 12.6 37.8#



#90
Hexachloroethane
Concen: 2.097 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN054957.D
Acq: 4 Apr 2019 19:30

Tgt Ion: 117 Resp: 6937
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.106 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

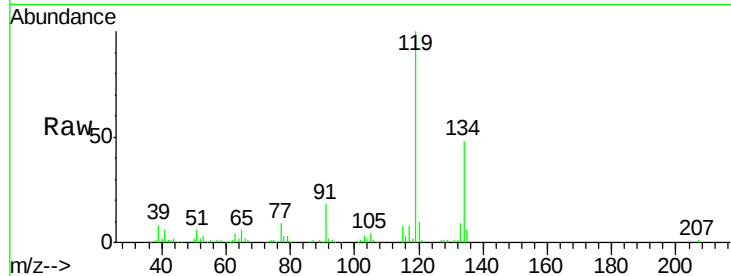
Tgt Ion: 75 Resp: 958

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

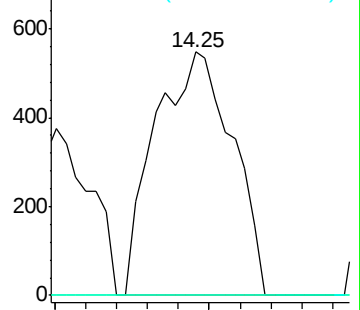
157 0.0 54.4 163.2#



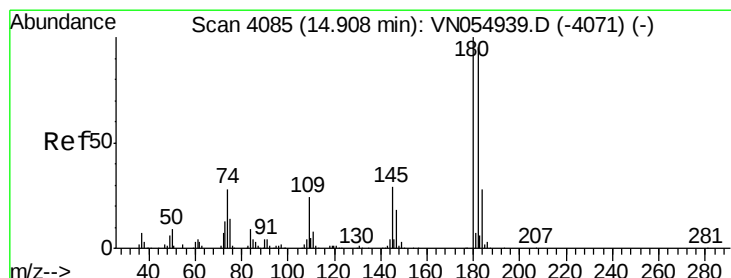
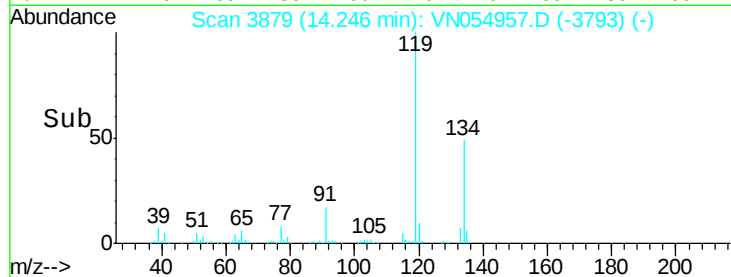
Abundance Ion 74.90 (74.60 to 75.60): VN054939.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN054939.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN054939.D (-3872) (-)



Time--> 14.20 14.25



#93

1,2,4-Trichlorobenzene

Concen: 2.483 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

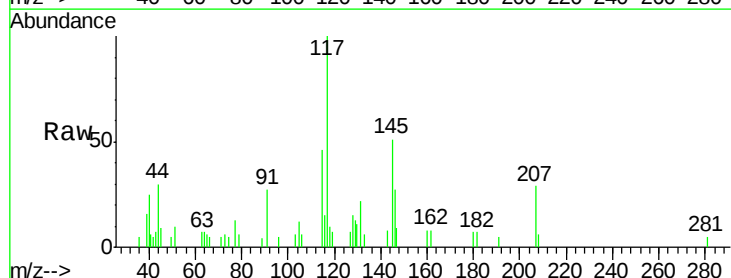
Tgt Ion: 180 Resp: 165

Ion Ratio Lower Upper

180 100

182 106.7 47.5 142.6

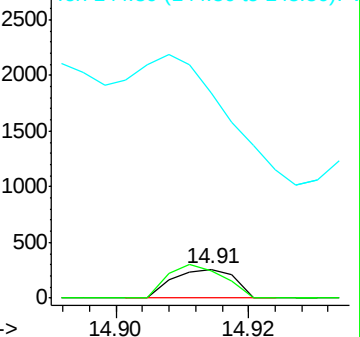
145 0.0 14.6 43.8#



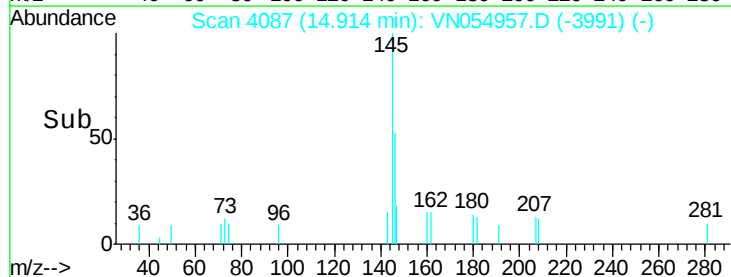
Abundance Ion 179.80 (179.50 to 180.50): VN054939.D (-4071) (-)

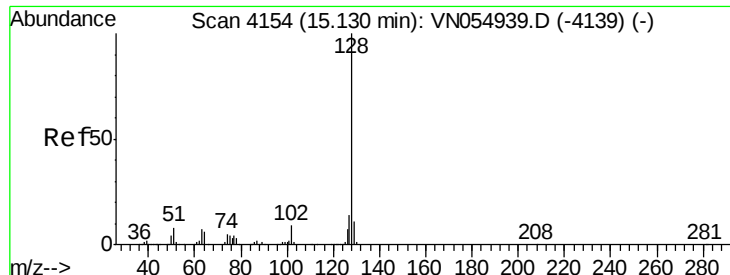
Ion 181.80 (181.50 to 182.50): VN054939.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN054939.D (-4071) (-)



Time--> 14.90 14.92





#95

Naphthalene

Concen: 5.886 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054957.D

Acq: 4 Apr 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-B

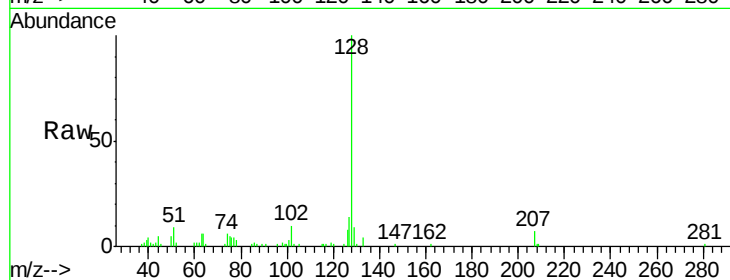
Tgt Ion:128 Resp: 36289

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

129 9.0 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

