

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054956.D
 Acq On : 4 Apr 2019 19:04
 Operator : JC/SP
 Sample : K2193-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Apr 05 03:20:14 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	521638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	887137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	773972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	312641	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	355689	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	281657	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.09	98	1055332	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	341291	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds					Qvalue	
13) Acrolein	3.61	56	178	4.488	ug/l #	22
16) Acetone	3.83	43	11790	Below Cal	#	78
18) Methyl Acetate	4.33	43	901	Below Cal	#	87
20) Methylene Chloride	4.55	84	44700	7.003	ug/l	99
29) Tetrahydrofuran	7.24	42	934	0.552	ug/l #	64
30) Chloroform	7.37	83	6054	0.559	ug/l	98
31) Cyclohexane	7.66	56	11305	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	40928	4.656	ug/l #	45
38) Carbon Tetrachloride	7.67	117	48867	5.757	ug/l #	18
43) Isopropyl Acetate	8.17	43	17252	1.697	ug/l	96
48) Methyl methacrylate	9.18	41	6978	1.356	ug/l #	17
49) 1,4-Dioxane	9.27	88	255	4.909	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9028	1.592	ug/l #	39
52) Toluene	10.15	92	5304	0.356	ug/l	85
53) t-1,3-Dichloropropene	10.16	75	34	2.031	ug/l #	44
54) cis-1,3-Dichloropropene	9.91	75	59858	6.336	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	11381	1.206	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.48	63	29	9.863	ug/l #	51
59) 2-Hexanone	10.77	43	181281	51.173	ug/l #	55
67) Ethyl Benzene	11.51	91	30464	1.071	ug/l	100
68) m/p-Xylenes	11.62	106	66890	6.433	ug/l	99
69) o-Xylene	11.95	106	87443	8.622	ug/l	99
70) Styrene	11.95	104	4672	0.287	ug/l #	1
71) Bromoform	12.40	173	3211	0.925	ug/l #	1
73) Isopropylbenzene	12.25	105	26292	0.996	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.47	83	33	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	178109	35.976	ug/l #	100
78) n-propylbenzene	12.59	91	92042	3.163	ug/l	99
79) 2-Chlorotoluene	12.65	91	39874	2.211	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	293664	13.539	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	178109	131.594	ug/l #	4
82) 4-Chlorotoluene	12.73	91	33014	1.936	ug/l #	41
83) tert-Butylbenzene	12.99	119	3734	0.202	ug/l	86
84) 1,2,4-Trimethylbenzene	13.04	105	909641	43.346	ug/l	100

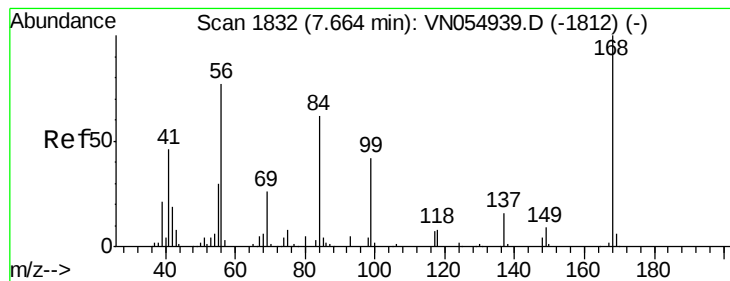
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
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QLast Update : Fri Apr 05 02:23:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	32400	1.358	ug/l #	77
86) p-Isopropyltoluene	13.29	119	31079	1.511	ug/l	98
89) n-Butylbenzene	13.61	91	30834	1.876	ug/l #	65
90) Hexachloroethane	13.89	117	12835	3.716	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1506	1.666	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	194	2.487	ug/l #	54
95) Naphthalene	15.13	128	81198	9.336	ug/l #	97

(#) = 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: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

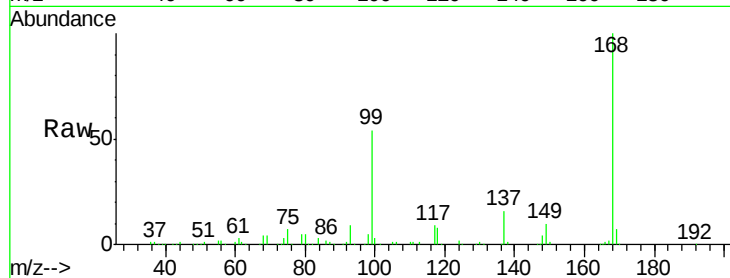
HR-06-040319-C

Tgt Ion:168 Resp: 521638

Ion Ratio Lower Upper

168 100

99 54.4 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

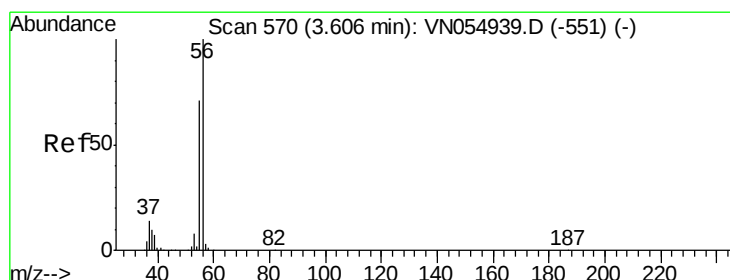
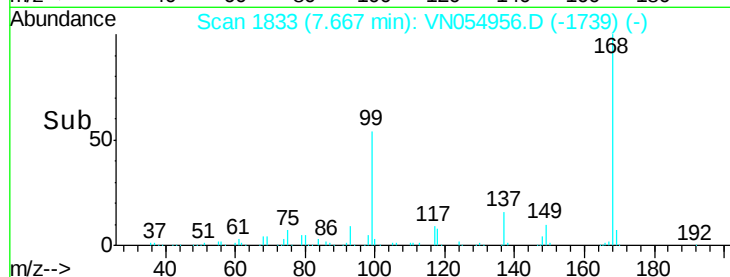
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 4.488 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054956.D

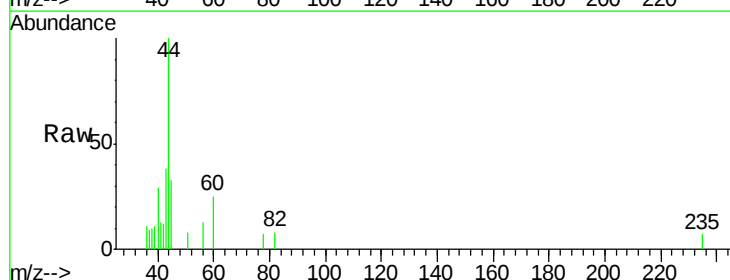
Acq: 4 Apr 2019 19:04

Tgt Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 138.8 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VN054939.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054939.D (-551) (-)

3.61

300

250

200

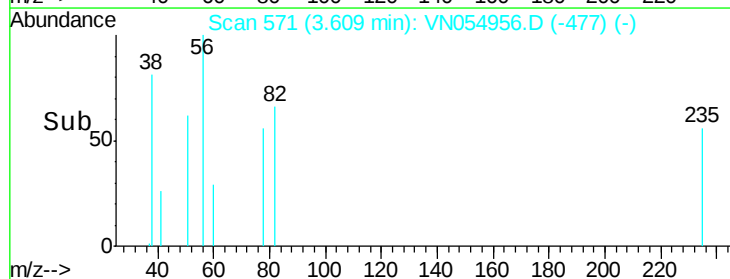
150

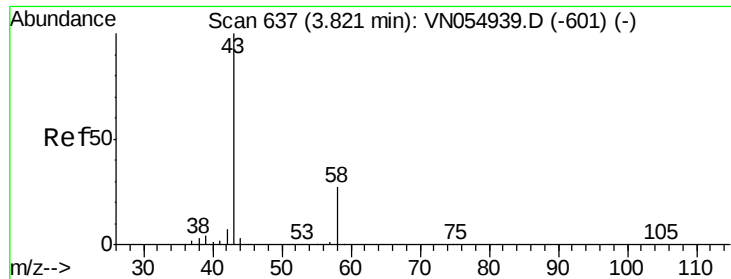
100

50

0

Time-->

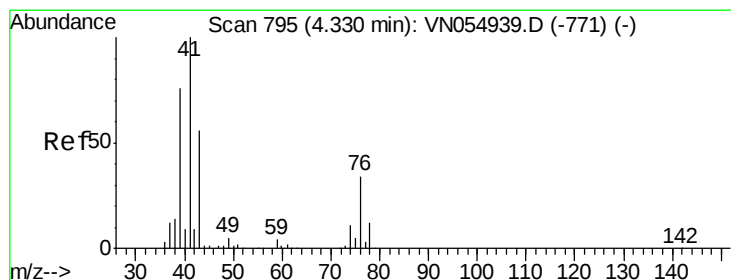
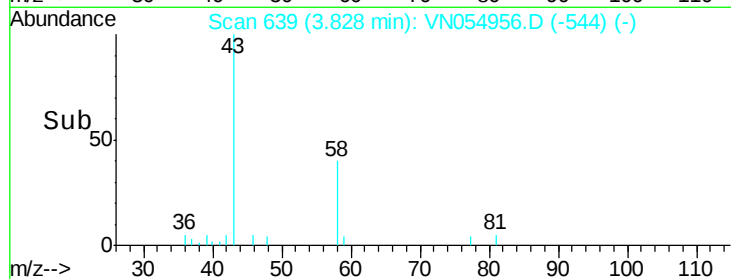
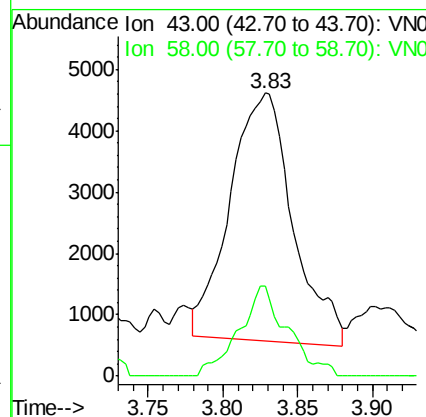
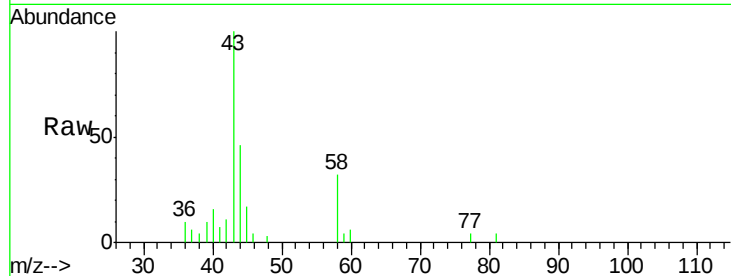




#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

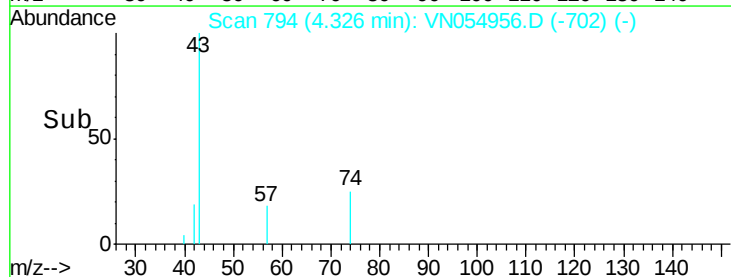
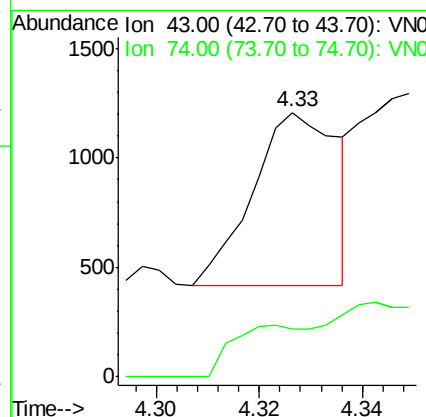
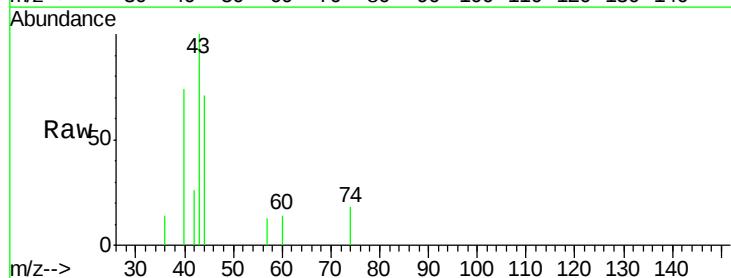
Instrument :
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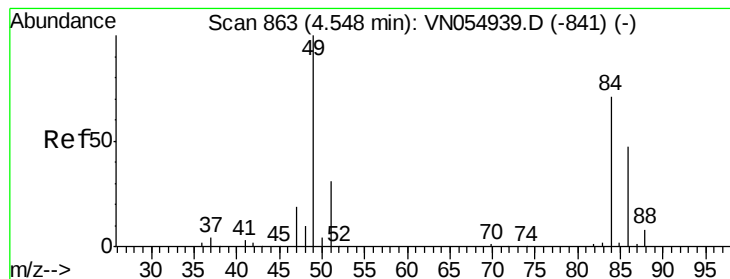
Tgt Ion: 43 Resp: 11790
Ion Ratio Lower Upper
43 100
58 38.4 21.7 32.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
74 26.7 16.4 24.6#





#20

Methylene Chloride

Concen: 7.003 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

Tgt Ion: 84 Resp: 44700

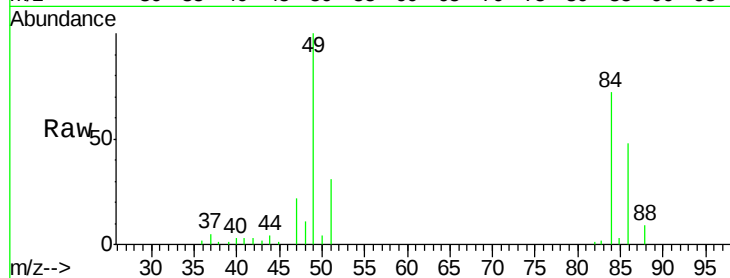
Ion Ratio Lower Upper

84 100

49 139.3 112.1 168.1

51 43.4 34.5 51.7

86 66.4 52.2 78.4

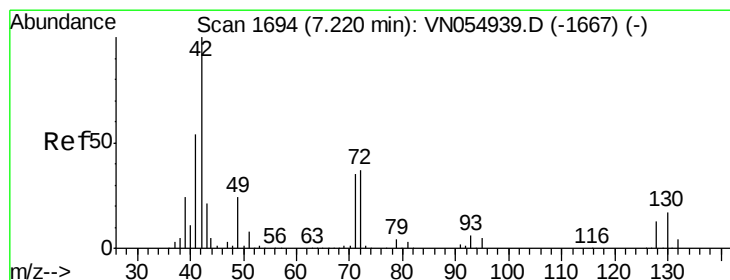
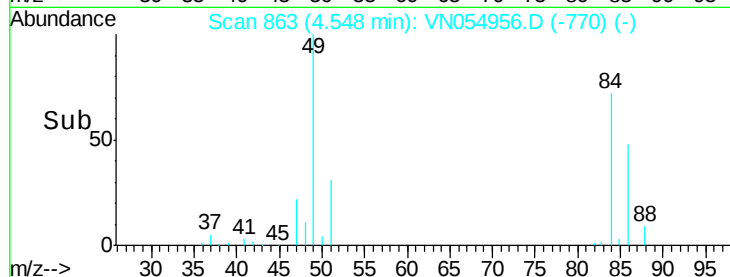
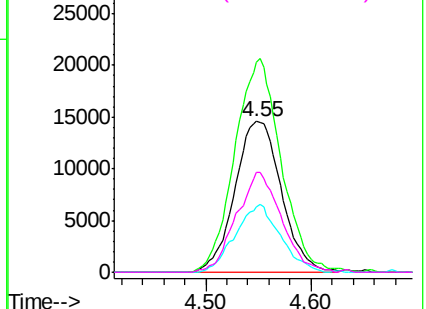


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

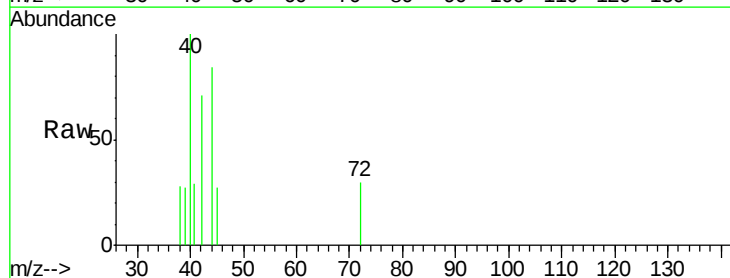
Tgt Ion: 42 Resp: 934

Ion Ratio Lower Upper

42 100

72 28.5 29.3 43.9#

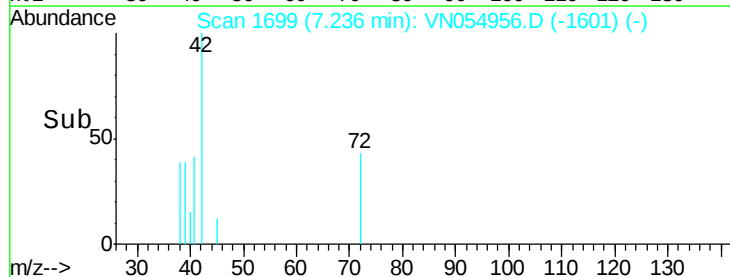
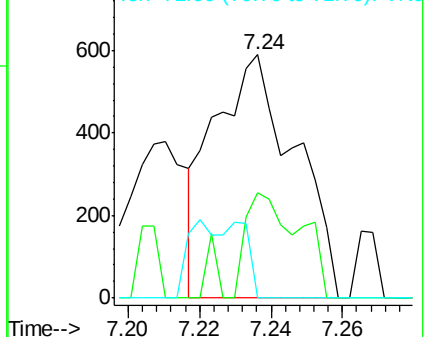
71 0.0 27.8 41.6#

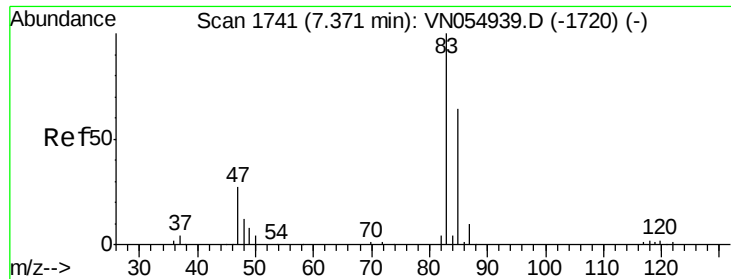


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

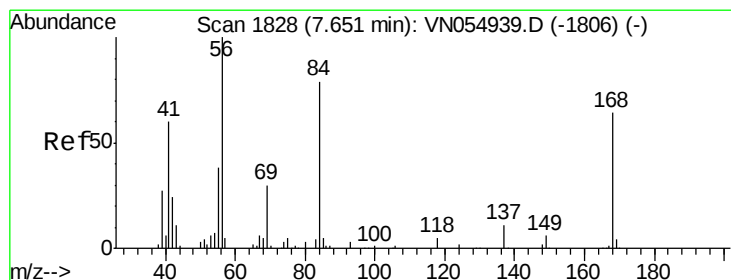
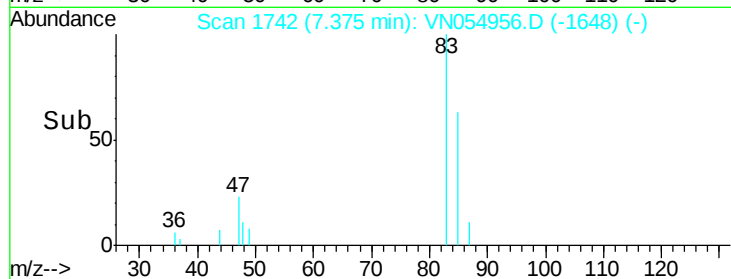
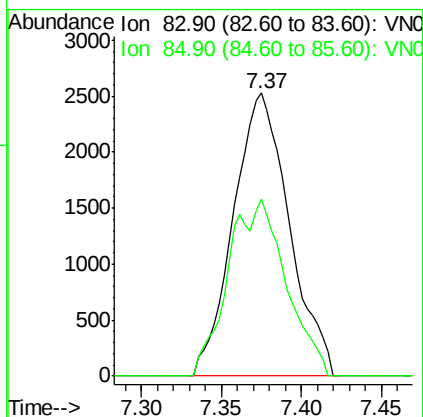
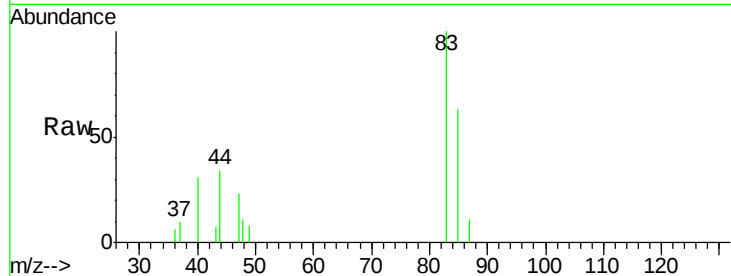




#30
Chloroform
Concen: 0.559 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

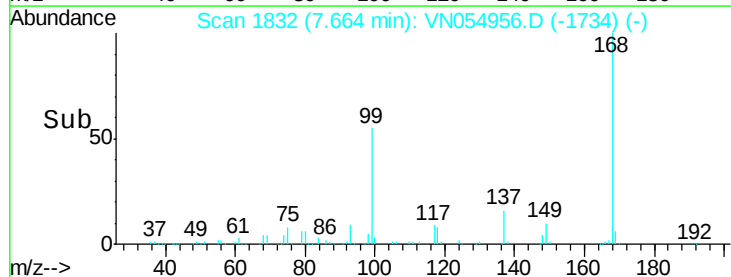
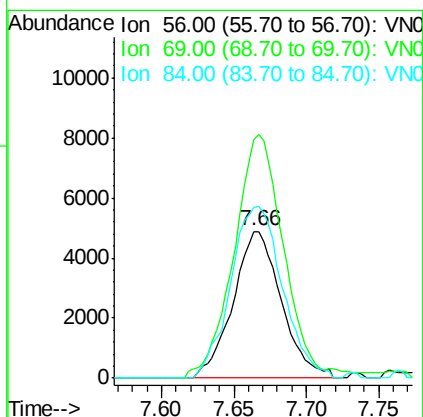
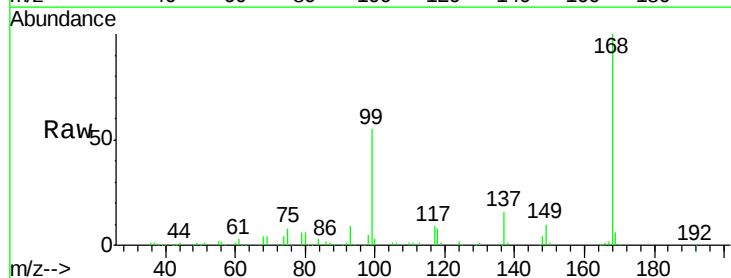
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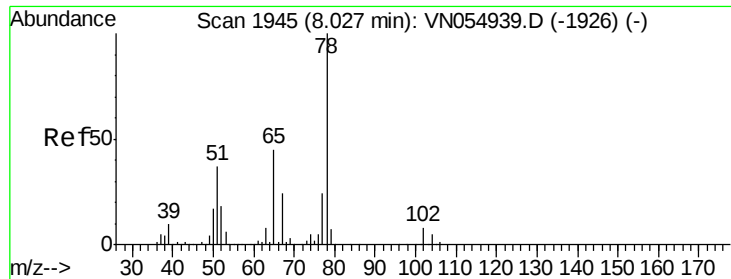
Tgt Ion: 83 Resp: 6054
Ion Ratio Lower Upper
83 100
85 62.7 51.4 77.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion: 56 Resp: 11305
Ion Ratio Lower Upper
56 100
69 157.7 23.8 35.6#
84 116.8 61.8 92.8#





#33

1,2-Dichloroethane-d4

Concen: 51.717 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

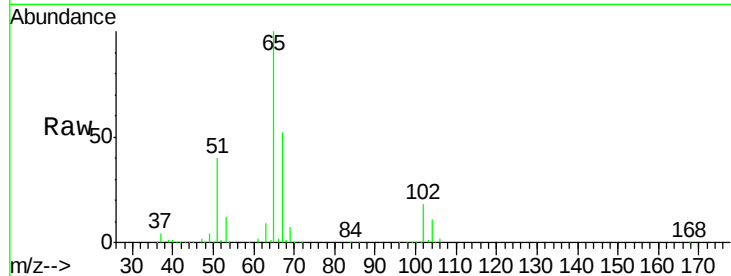
HR-06-040319-C

Tgt Ion: 65 Resp: 355689

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN054939.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054939.D (-1926) (-)

8.03

150000

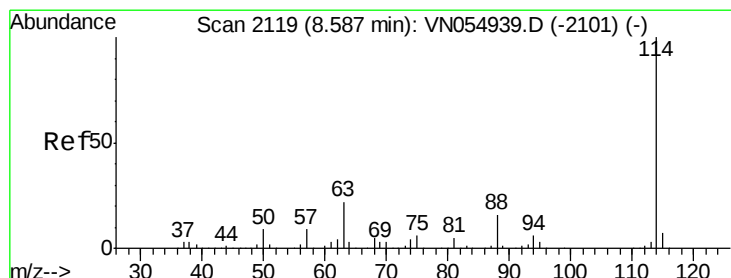
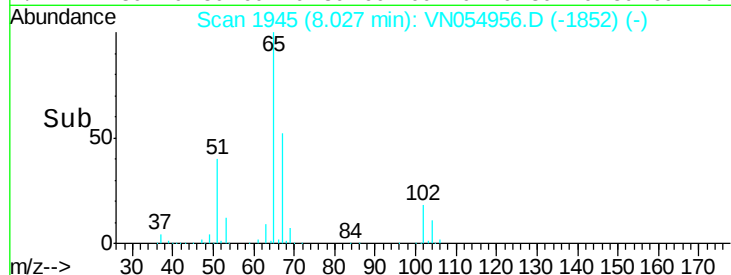
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

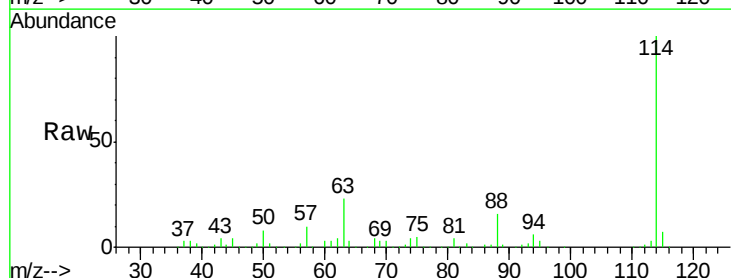
Tgt Ion: 114 Resp: 887137

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 16.0 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN054939.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054939.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054939.D (-2101) (-)

8.59

500000

400000

300000

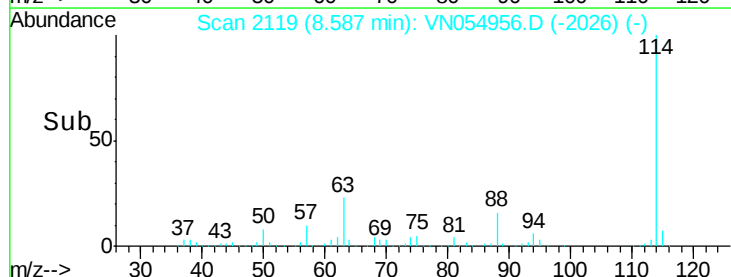
200000

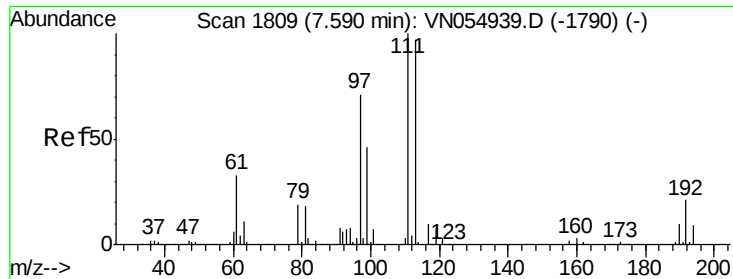
100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 48.773 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

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HR-06-040319-C

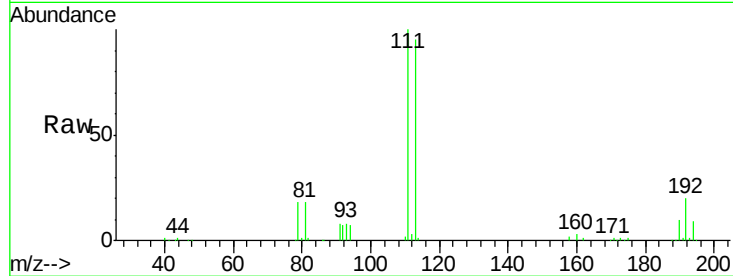
Tgt Ion:113 Resp: 281657

Ion Ratio Lower Upper

113 100

111 103.6 81.0 121.4

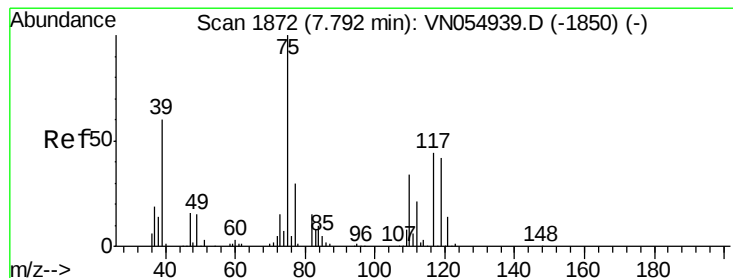
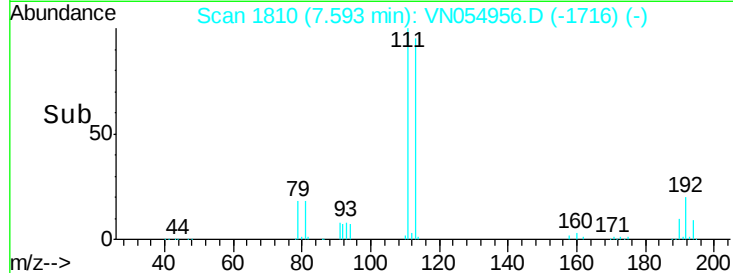
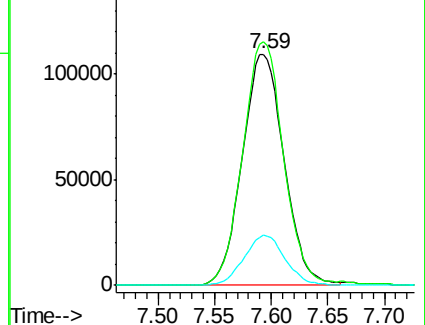
192 21.4 16.5 24.7



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: 4.656 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

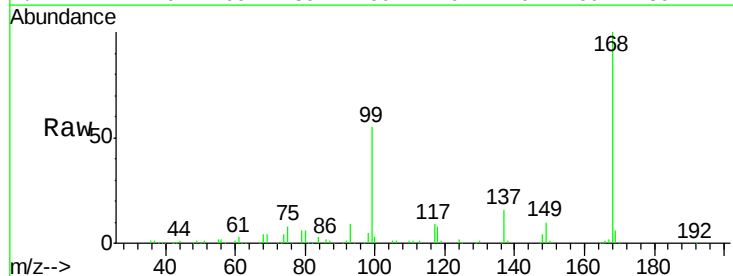
Tgt Ion: 75 Resp: 40928

Ion Ratio Lower Upper

75 100

110 3.0 17.0 50.9#

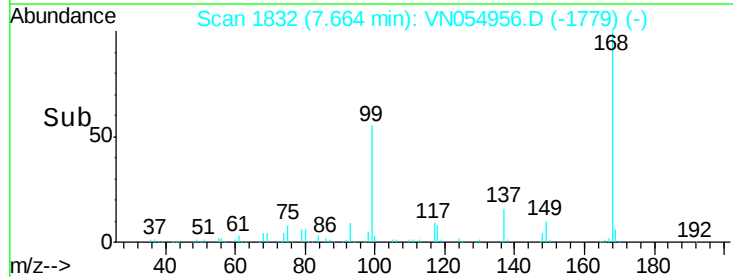
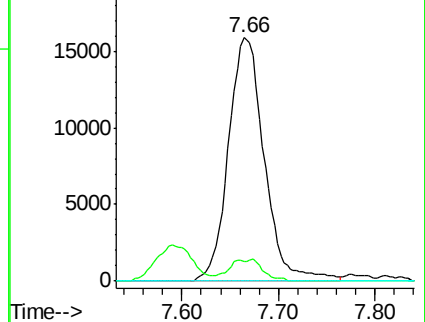
77 0.0 25.3 37.9#

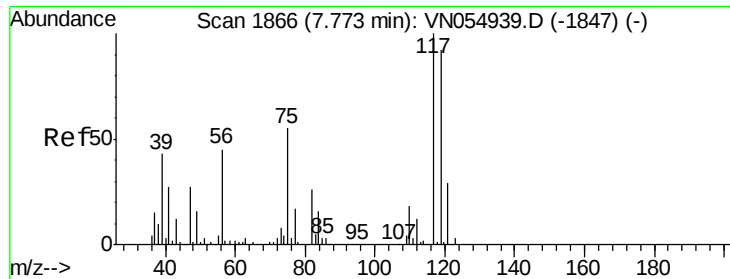


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.757 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

HR-06-040319-C

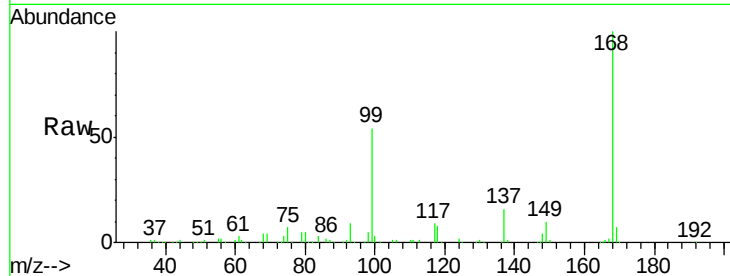
Tgt Ion:117 Resp: 48867

Ion Ratio Lower Upper

117 100

119 5.2 73.6 110.4#

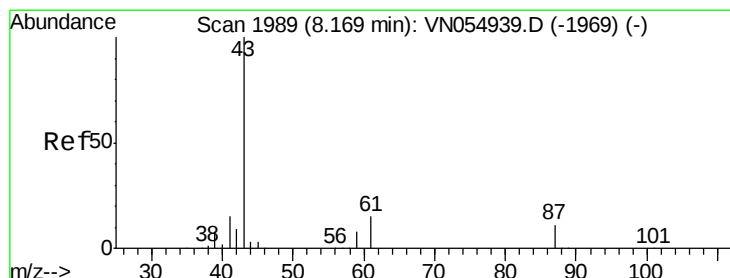
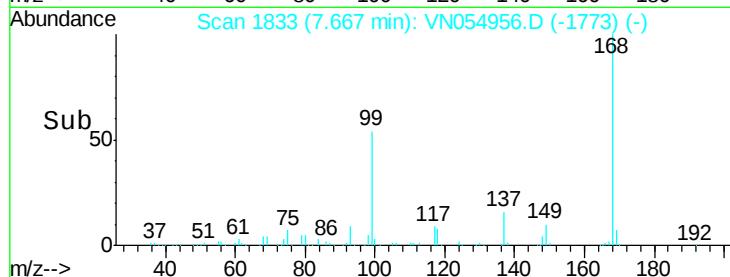
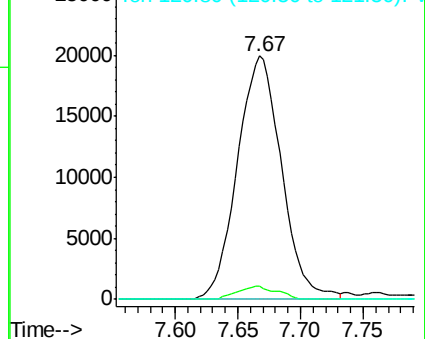
121 0.0 23.4 35.0#



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: 1.697 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

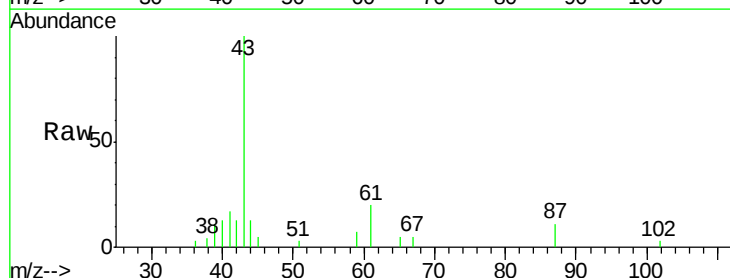
Tgt Ion: 43 Resp: 17252

Ion Ratio Lower Upper

43 100

61 20.7 14.4 21.6

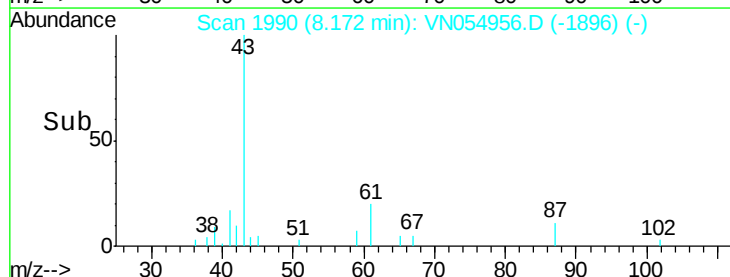
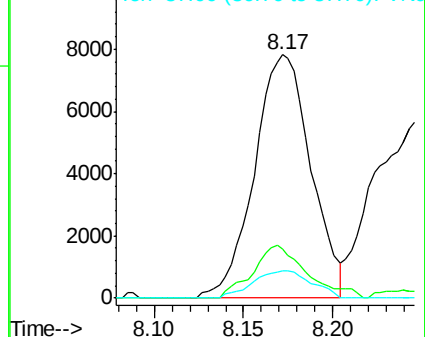
87 11.7 9.0 13.4

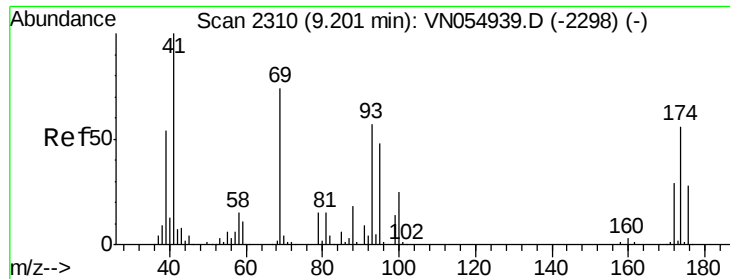


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

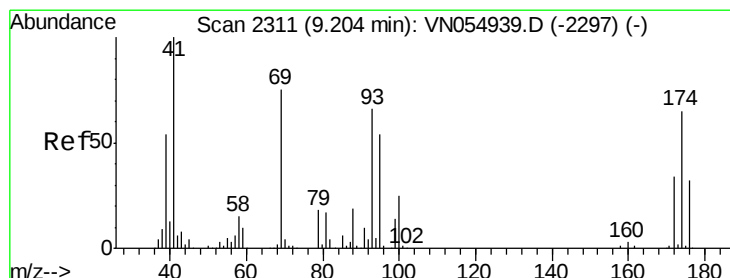
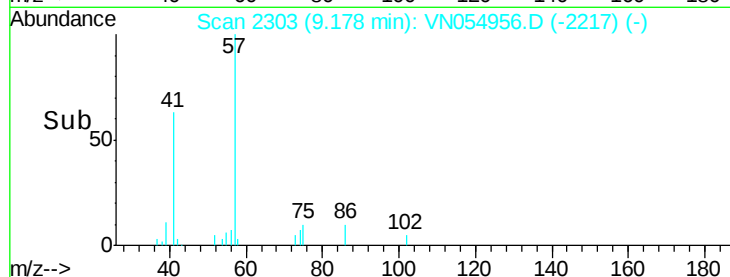
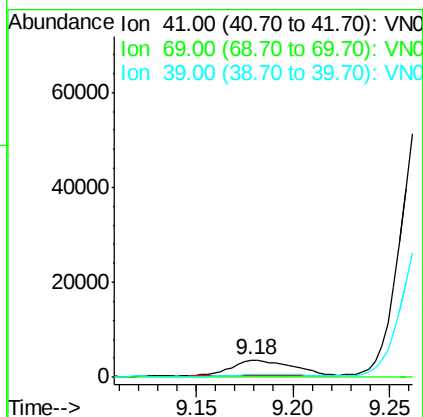
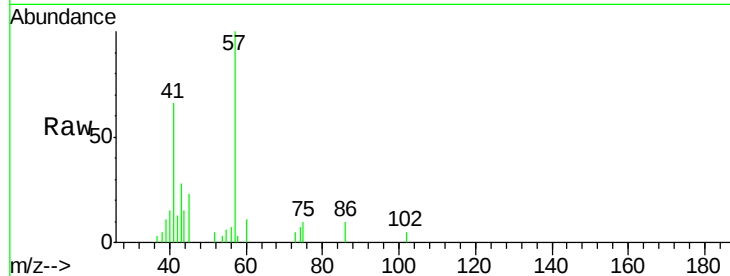




#48
Methyl methacrylate
Concen: 1.356 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

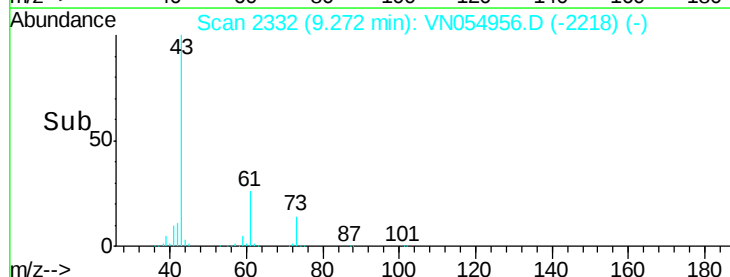
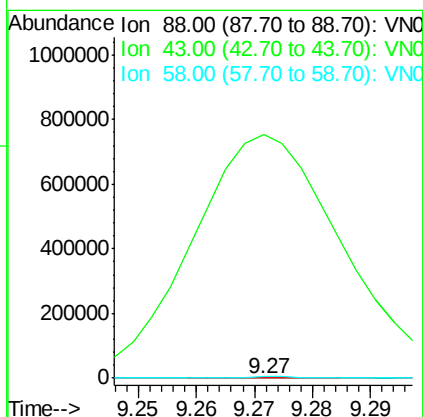
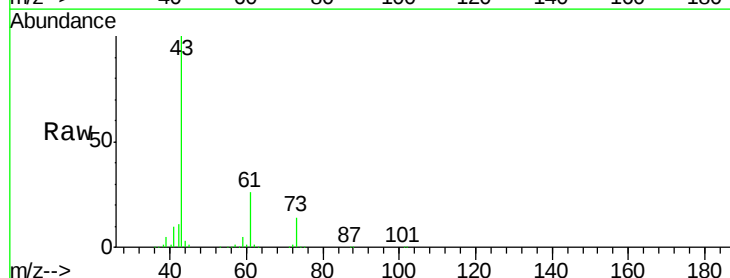
Instrument :
MSVOA_N
ClientSampleId :
HR-06-040319-C

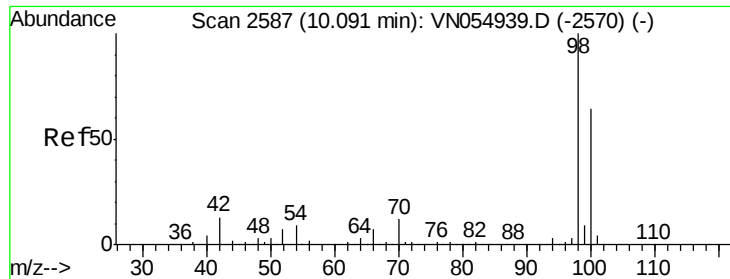
Tgt Ion: 41 Resp: 6978
Ion Ratio Lower Upper
41 100
69 0.0 58.9 88.3#
39 0.0 44.2 66.4#



#49
1,4-Dioxane
Concen: 4.909 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 573857.6 31.5 47.3#
58 2520.8 61.9 92.9#





#50

Toluene-d8

Concen: 48.162 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

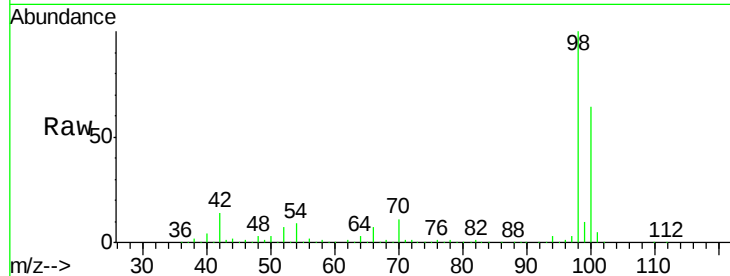
HR-06-040319-C

Tgt Ion: 98 Resp: 1055332

Ion Ratio Lower Upper

98 100

100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN054939.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054939.D (-2570) (-)

10.09

600000

500000

400000

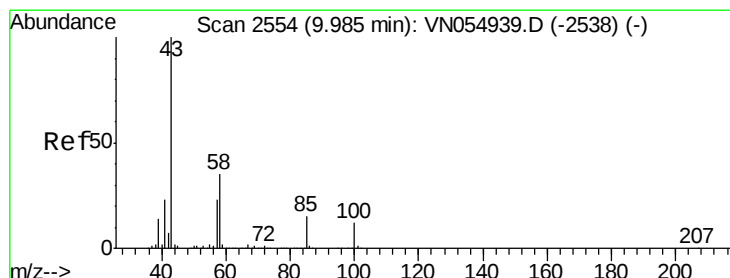
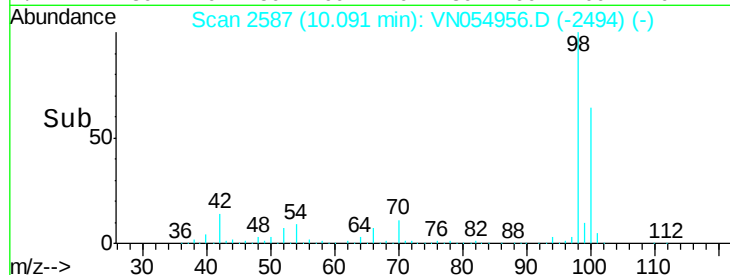
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.592 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054956.D

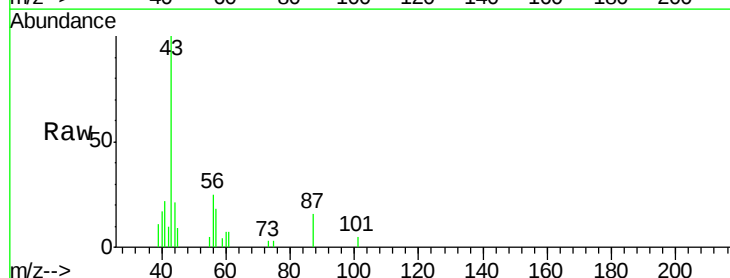
Acq: 4 Apr 2019 19:04

Tgt Ion: 43 Resp: 9028

Ion Ratio Lower Upper

43 100

58 0.0 28.3 42.5#



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-2538) (-)

10.02

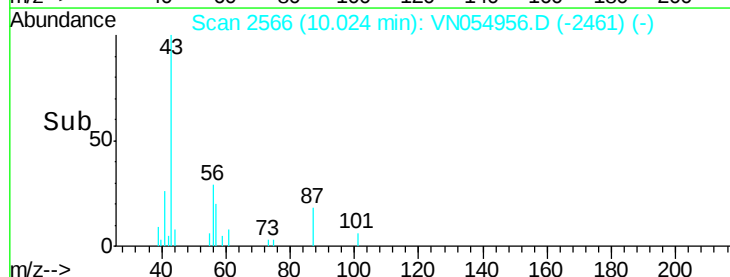
6000

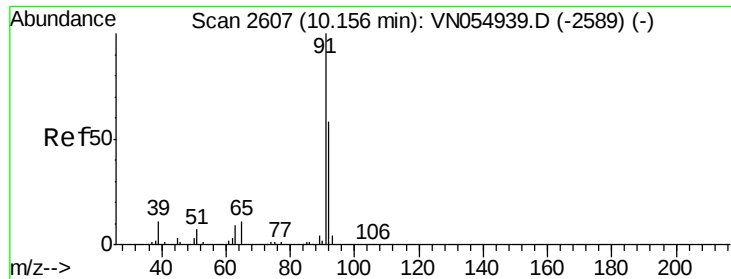
4000

2000

0

Time-->





#52

Toluene

Concen: 0.356 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

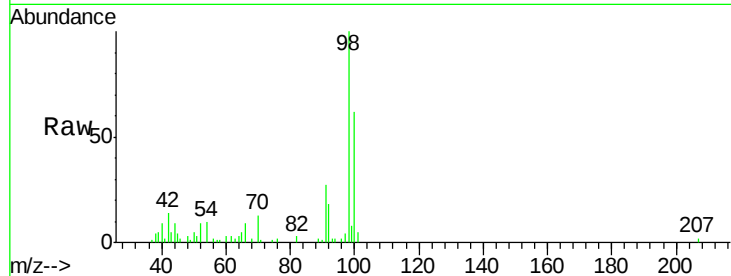
HR-06-040319-C

Tgt Ion: 92 Resp: 5304

Ion Ratio Lower Upper

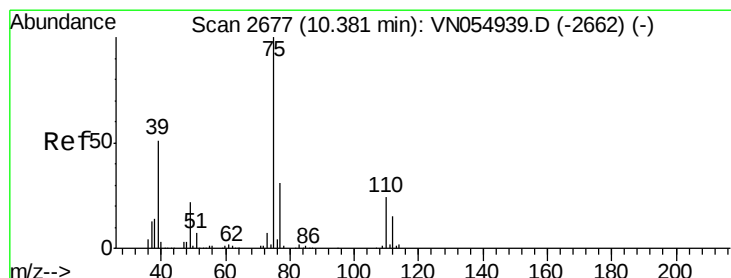
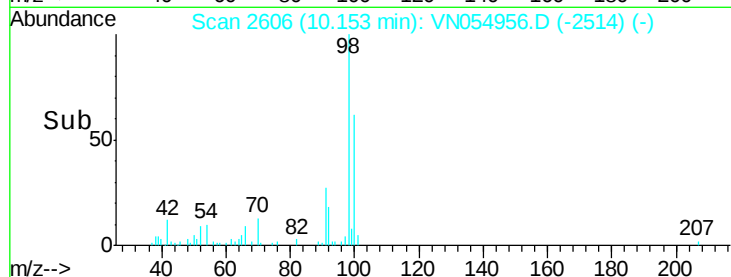
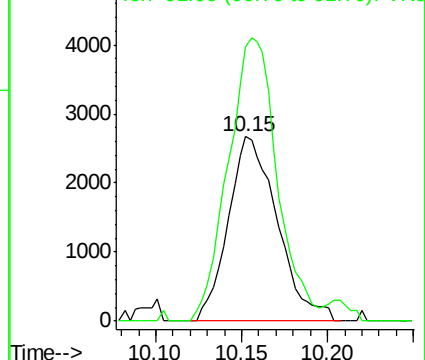
92 100

91 152.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.031 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN054956.D

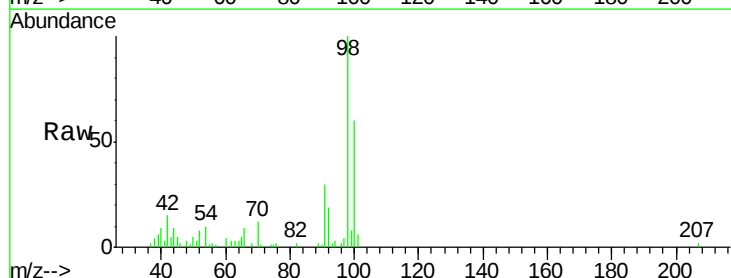
Acq: 4 Apr 2019 19:04

Tgt Ion: 75 Resp: 34

Ion Ratio Lower Upper

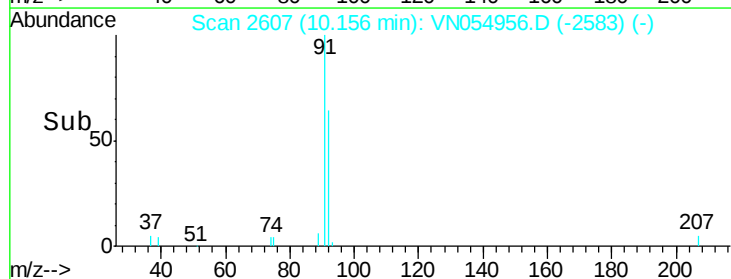
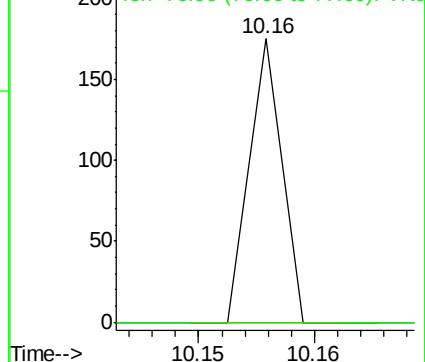
75 100

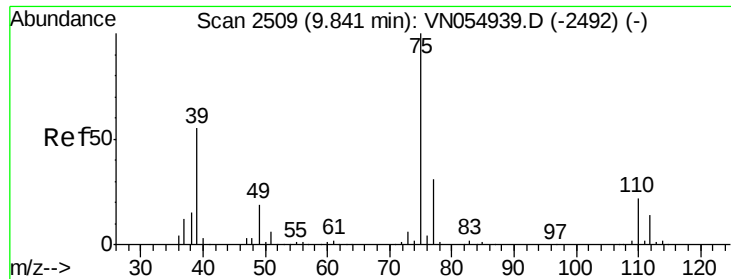
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

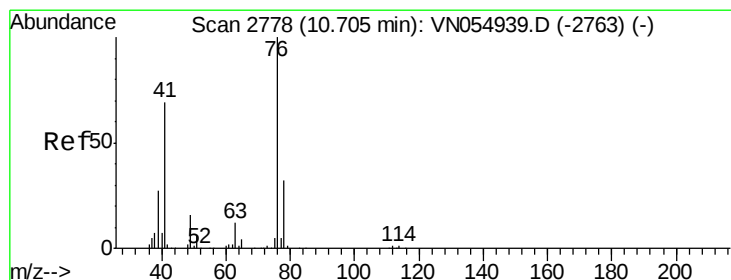
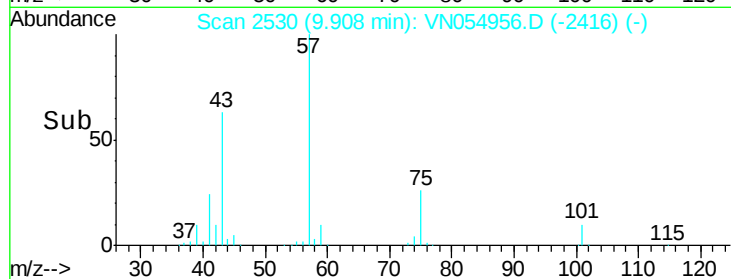
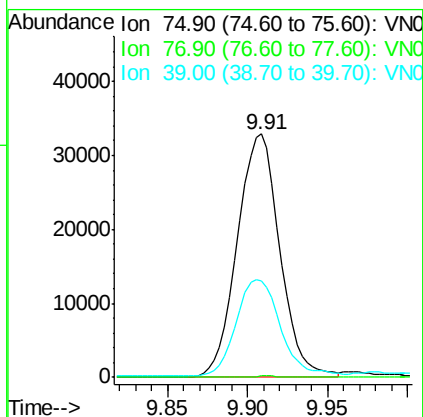
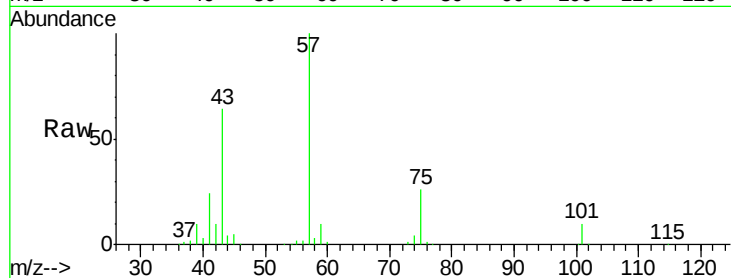




#54
 cis-1,3-Dichloropropene
 Concen: 6.336 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

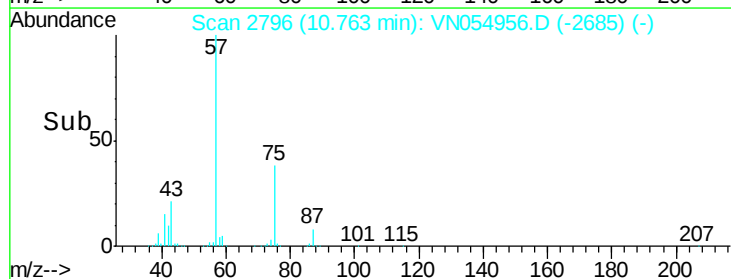
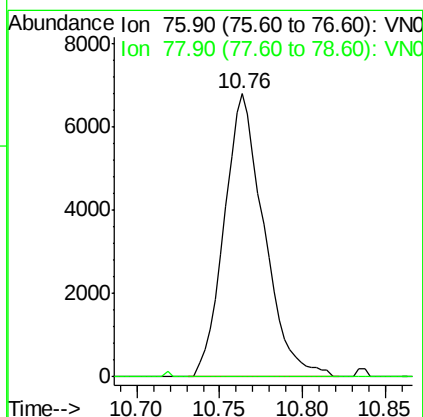
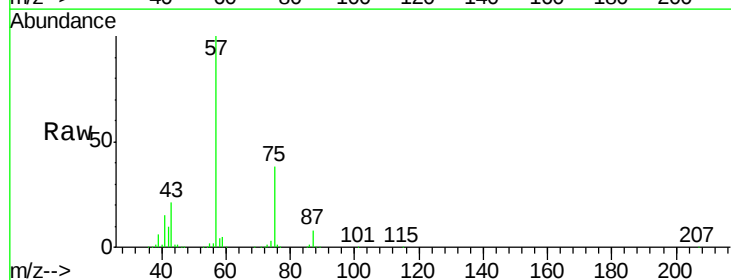
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

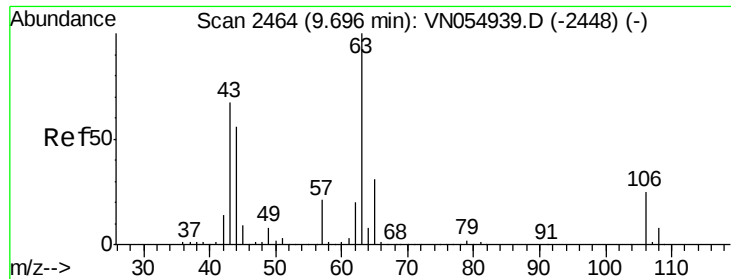
Tgt Ion: 75 Resp: 59858
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 38.9 43.9 65.9#



#57
 1,3-Dichloropropane
 Concen: 1.206 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Tgt Ion: 76 Resp: 11381
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

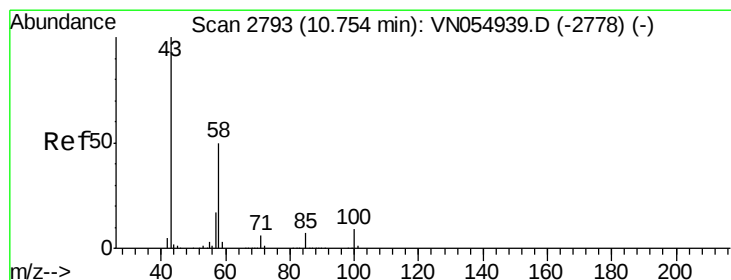
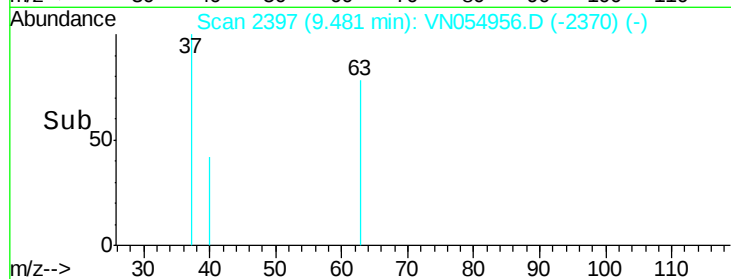
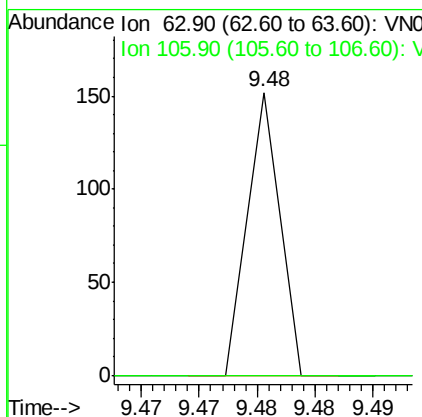
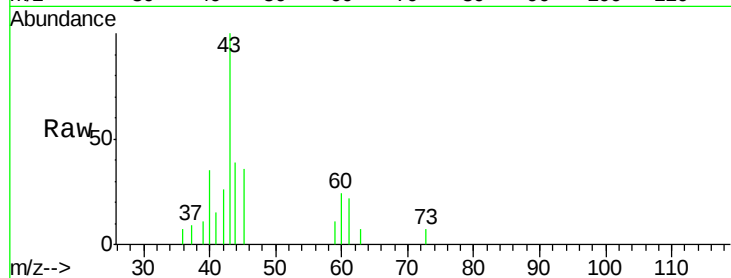




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.863 ug/l
 RT: 9.48 min Scan# 2397
 Delta R.T. -0.21 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

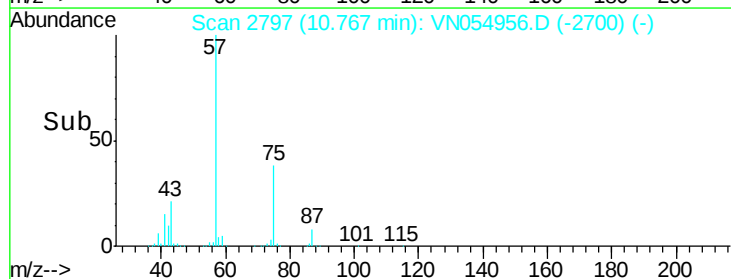
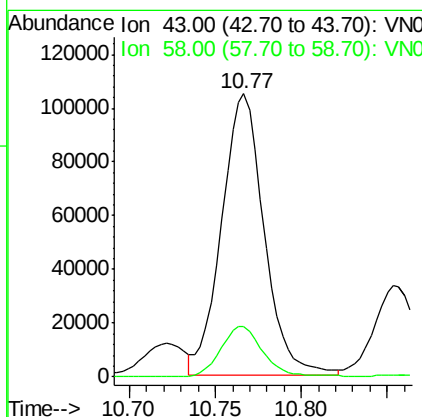
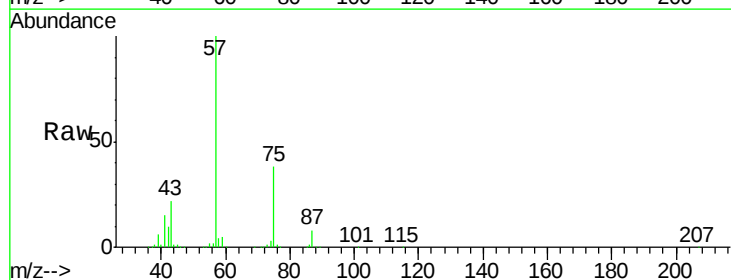
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

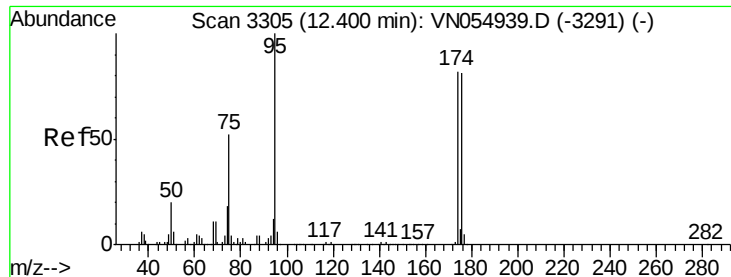
Tgt Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.7 29.5#



#59
 2-Hexanone
 Concen: 51.173 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Tgt Ion: 43 Resp: 181281
 Ion Ratio Lower Upper
 43 100
 58 18.1 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 46.672 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

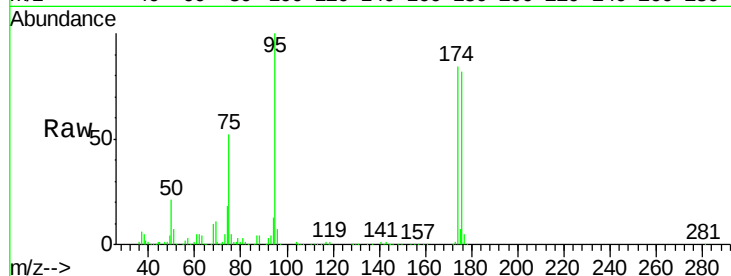
Tgt Ion: 95 Resp: 341291

Ion Ratio Lower Upper

95 100

174 85.3 0.0 166.2

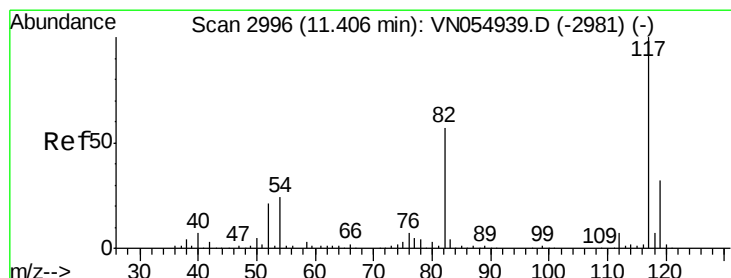
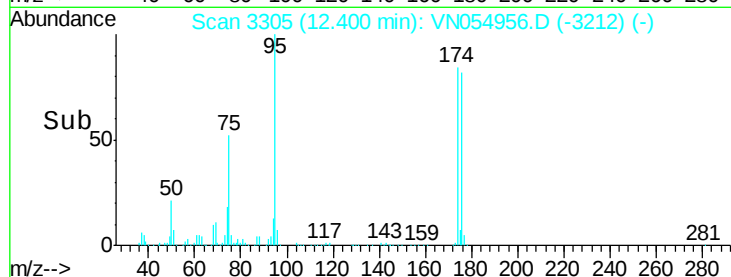
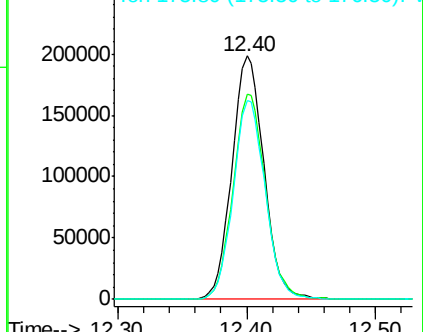
176 81.8 0.0 163.2



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: VN054956.D

Acq: 4 Apr 2019 19:04

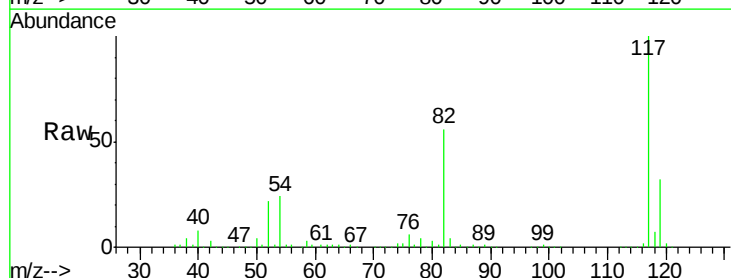
Tgt Ion: 117 Resp: 773972

Ion Ratio Lower Upper

117 100

82 56.4 45.3 67.9

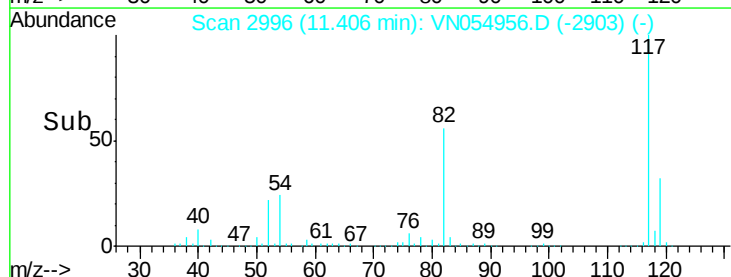
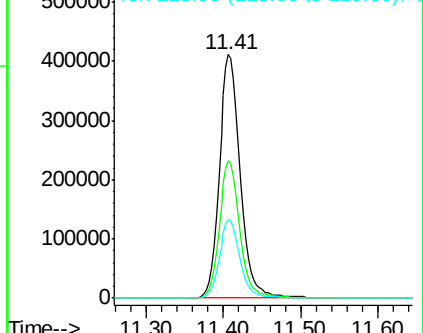
119 32.2 25.8 38.6

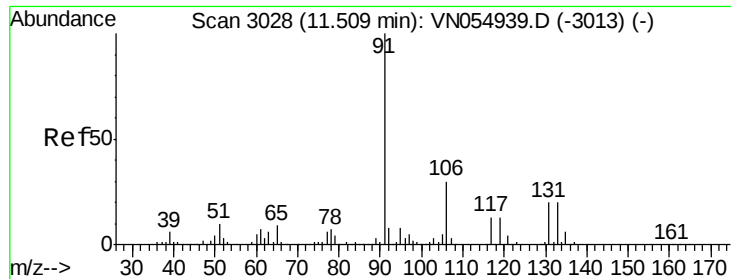


Abundance Ion 116.90 (116.60 to 117.60): VN054939.D (-2981) (-)

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

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

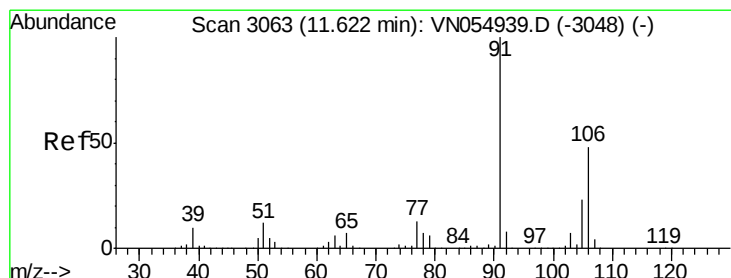
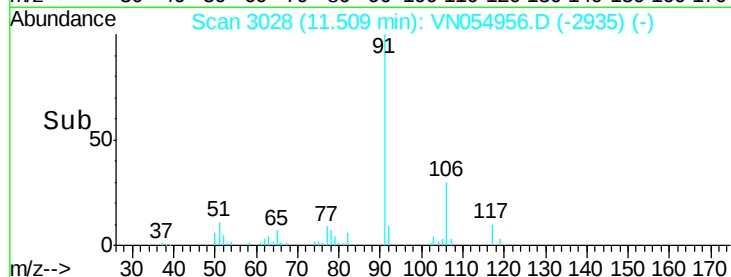
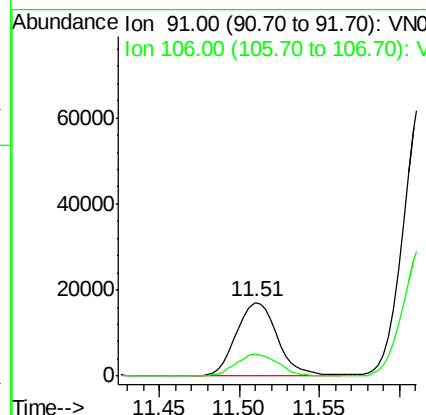
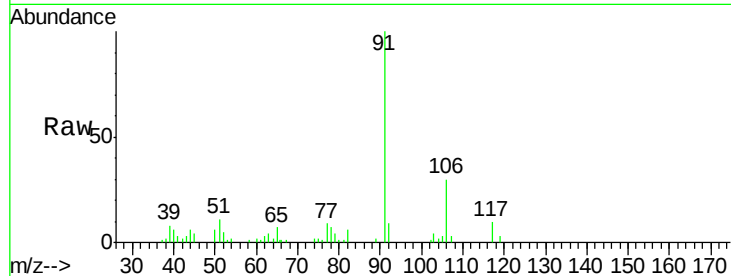




#67
Ethyl Benzene
Concen: 1.071 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

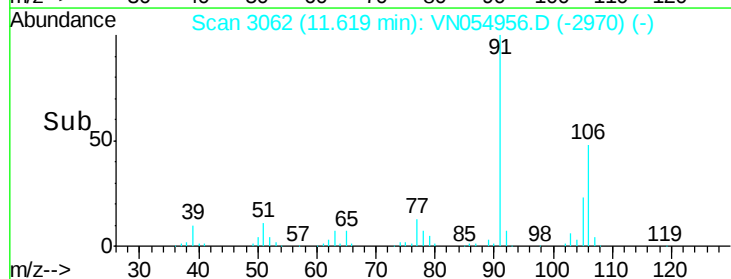
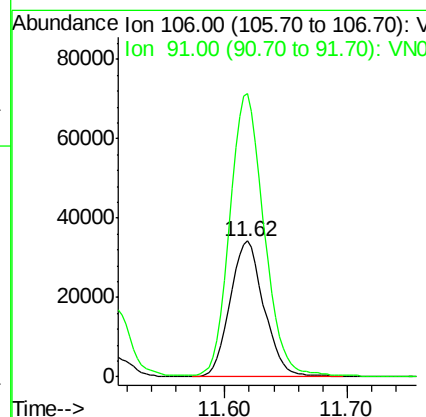
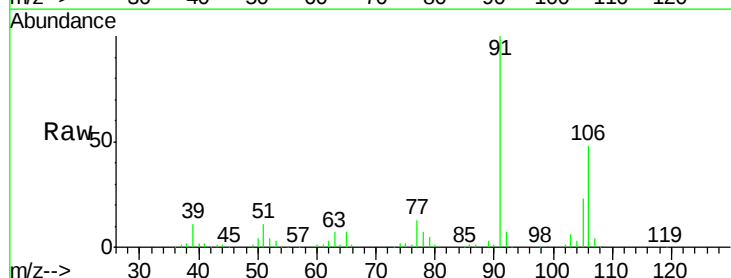
Instrument :
MSVOA_N
ClientSampled :
HR-06-040319-C

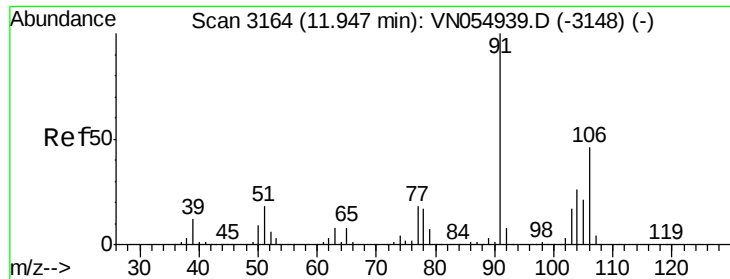
Tgt Ion: 91 Resp: 30464
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1



#68
m/p-Xylenes
Concen: 6.433 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion: 106 Resp: 66890
Ion Ratio Lower Upper
106 100
91 208.0 167.4 251.2

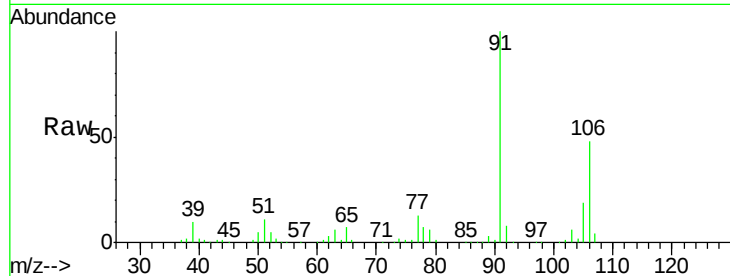




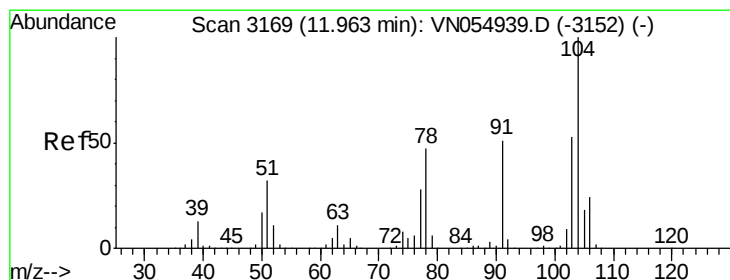
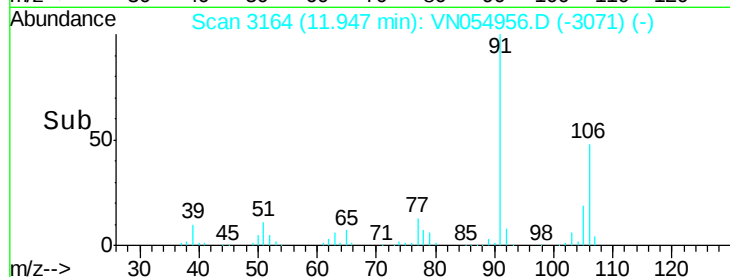
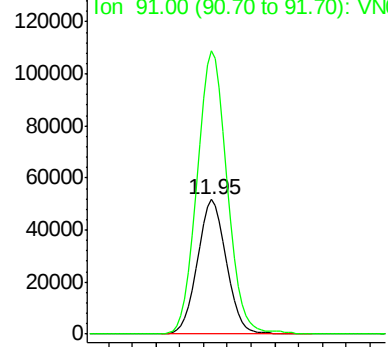
#69
o-Xylene
Concen: 8.622 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

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

Tgt Ion:106 Resp: 87443
Ion Ratio Lower Upper
106 100
91 217.9 109.9 329.7

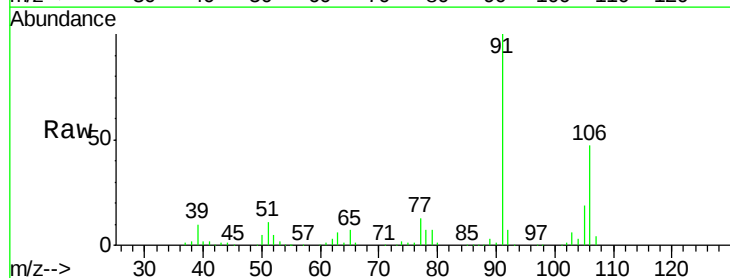


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

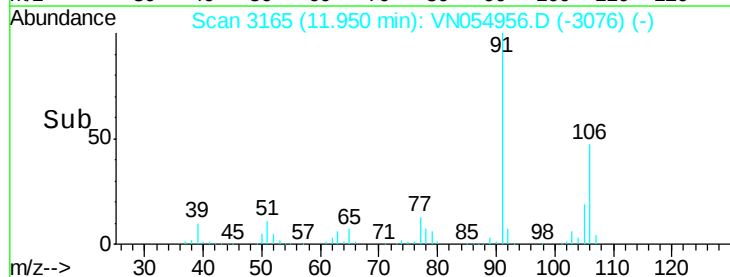
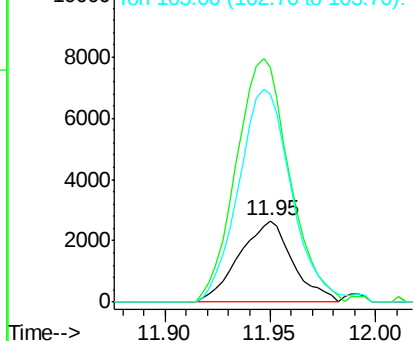


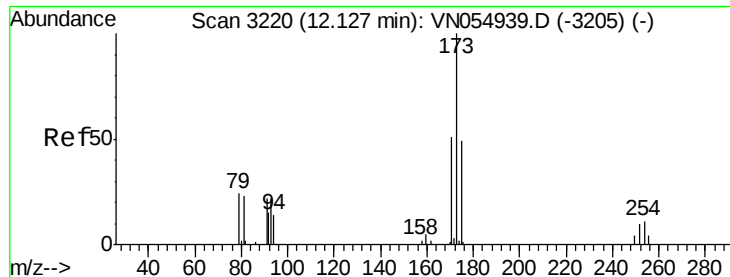
#70
Styrene
Concen: 0.287 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN054956.D
Acq: 4 Apr 2019 19:04

Tgt Ion:104 Resp: 4672
Ion Ratio Lower Upper
104 100
78 298.4 41.1 61.7#
103 258.5 45.0 67.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.925 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

HR-06-040319-C

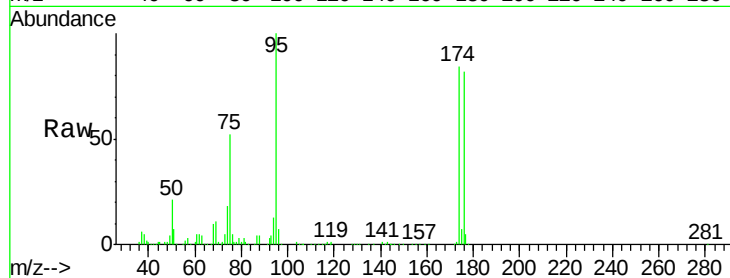
Tgt Ion:173 Resp: 3211

Ion Ratio Lower Upper

173 100

175 609.8 24.1 72.4#

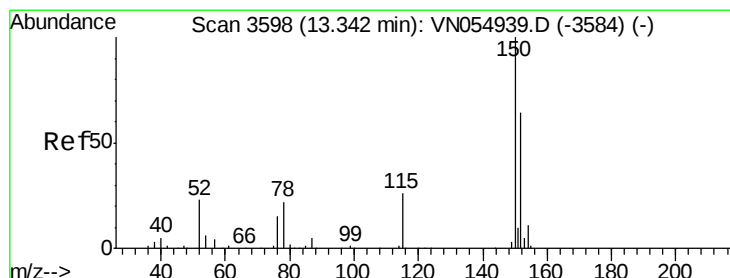
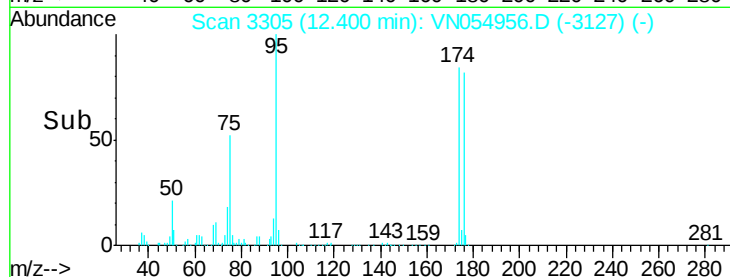
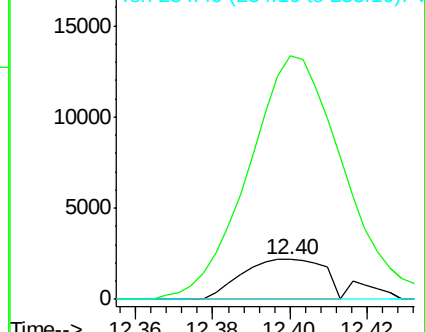
254 0.0 0.0 0.0



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: VN054956.D

Acq: 4 Apr 2019 19:04

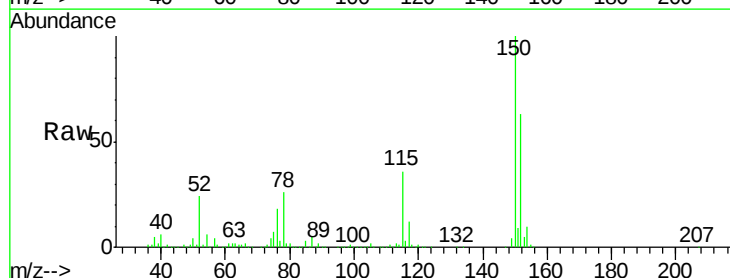
Tgt Ion:152 Resp: 312641

Ion Ratio Lower Upper

152 100

115 66.4 28.9 86.8

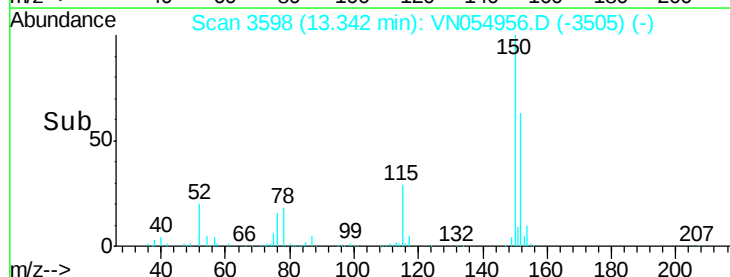
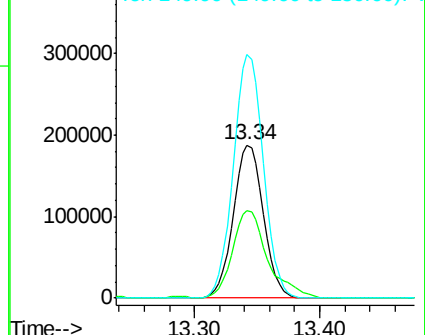
150 159.0 0.0 345.4

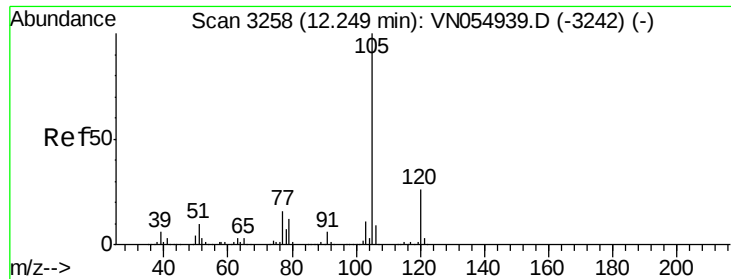


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.996 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

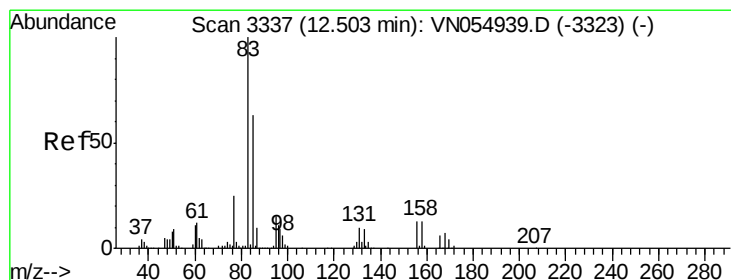
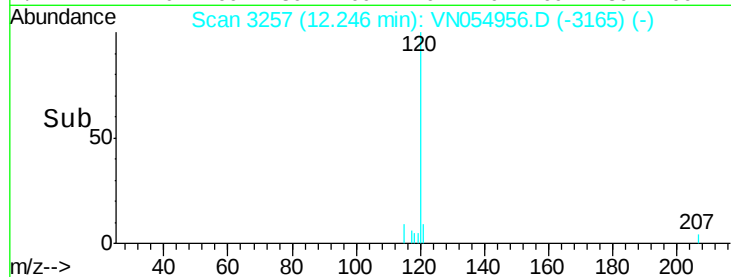
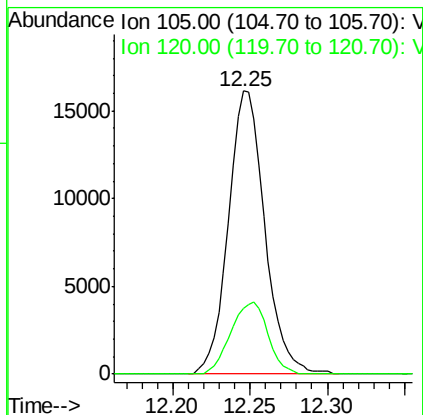
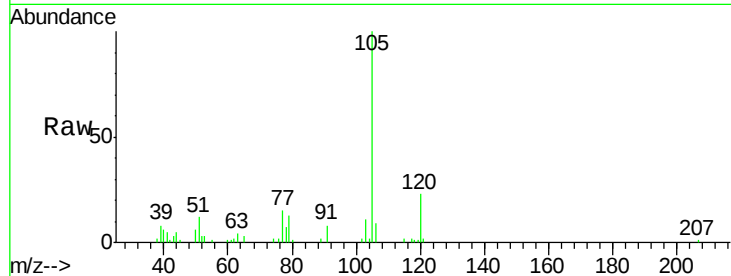
HR-06-040319-C

Tgt Ion: 105 Resp: 26292

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3326

Delta R.T. -0.03 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

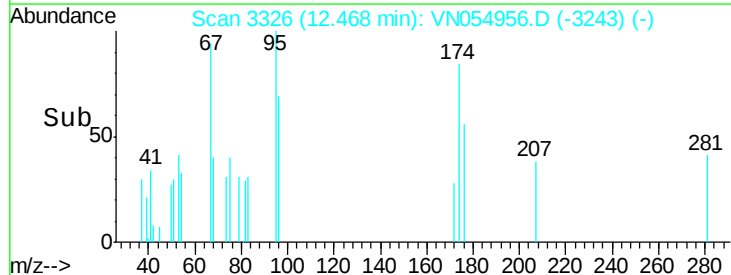
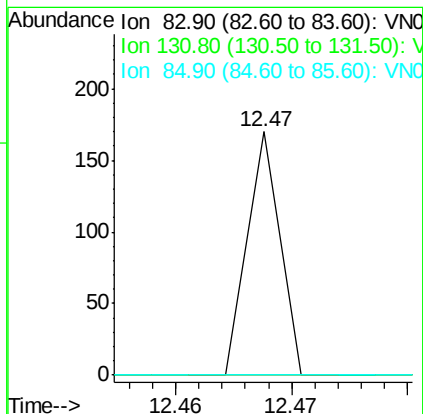
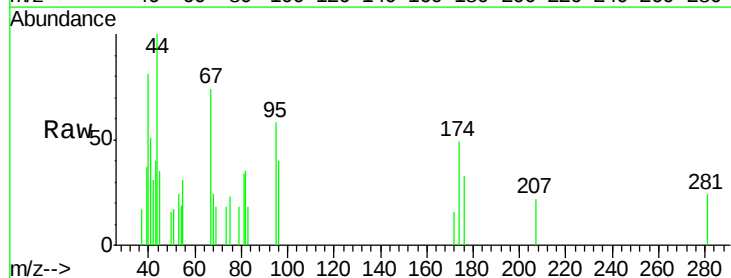
Tgt Ion: 83 Resp: 33

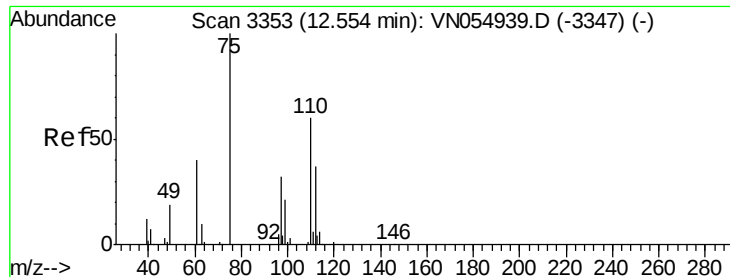
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.4 94.0#





#76

1,2,3-Trichloropropane

Concen: 35.976 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

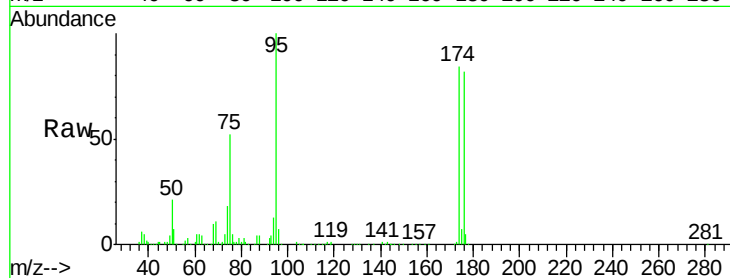
HR-06-040319-C

Tgt Ion: 75 Resp: 178109

Ion Ratio Lower Upper

75 100

77 1.1 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

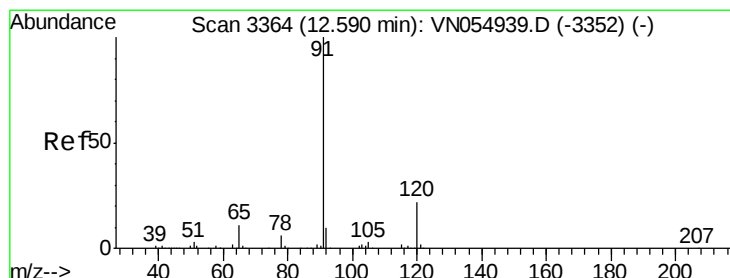
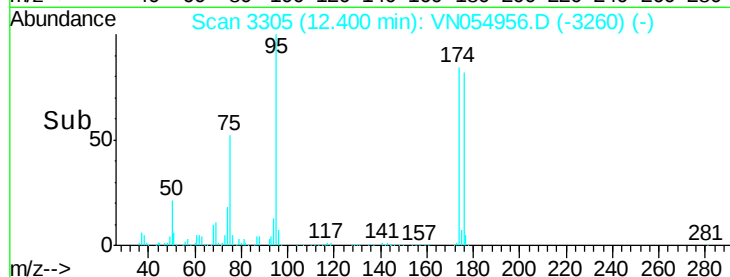
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 3.163 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054956.D

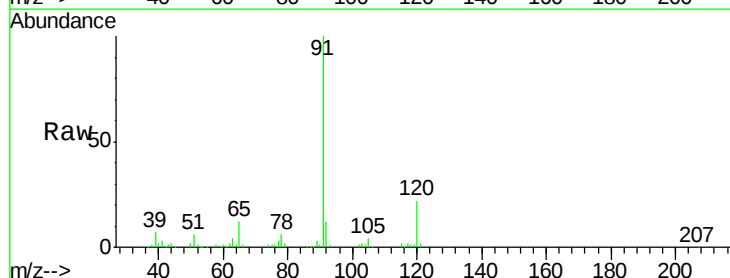
Acq: 4 Apr 2019 19:04

Tgt Ion: 91 Resp: 92042

Ion Ratio Lower Upper

91 100

120 21.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

80000

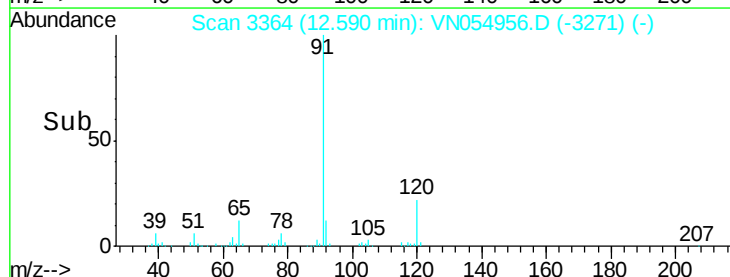
60000

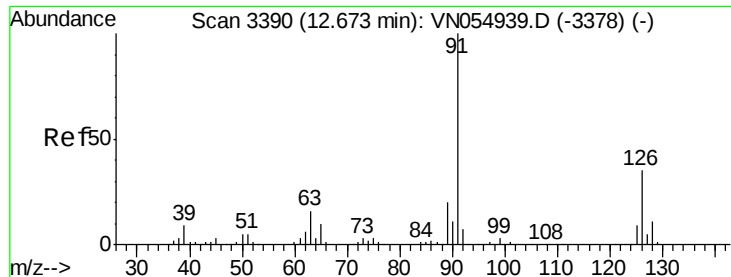
40000

20000

0

Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 2.211 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

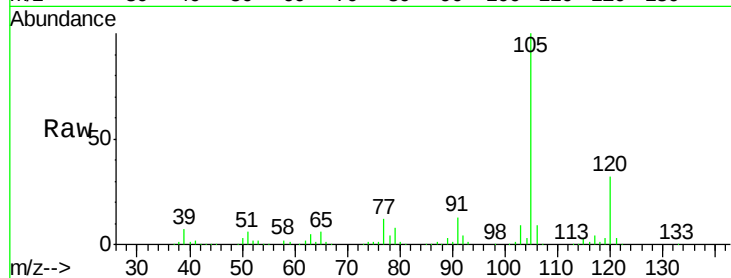
HR-06-040319-C

Tgt Ion: 91 Resp: 39874

Ion Ratio Lower Upper

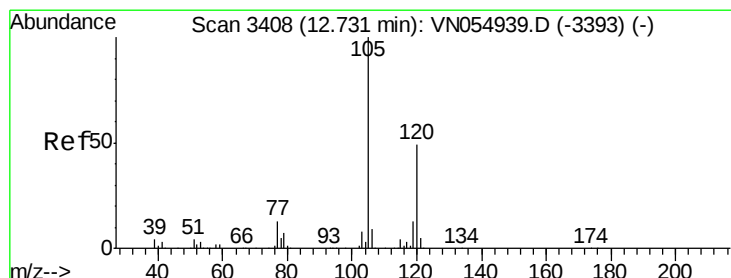
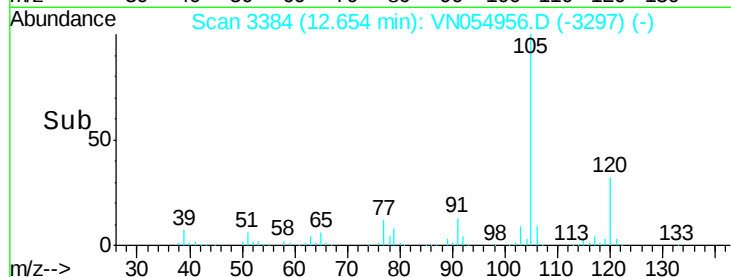
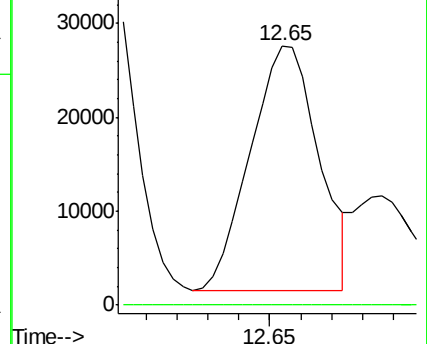
91 100

126 0.0 17.4 52.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 13.539 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054956.D

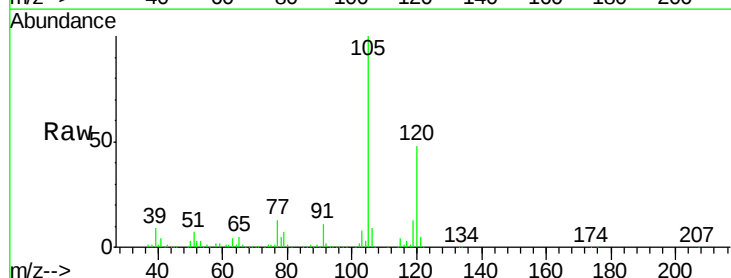
Acq: 4 Apr 2019 19:04

Tgt Ion:105 Resp: 293664

Ion Ratio Lower Upper

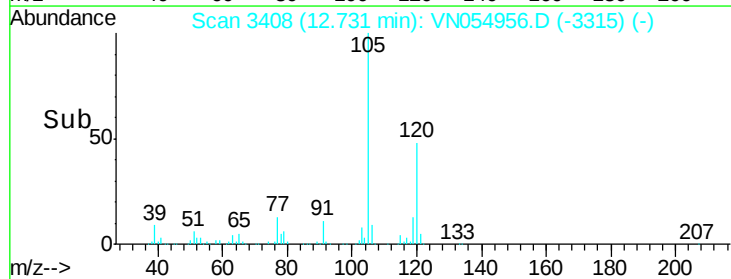
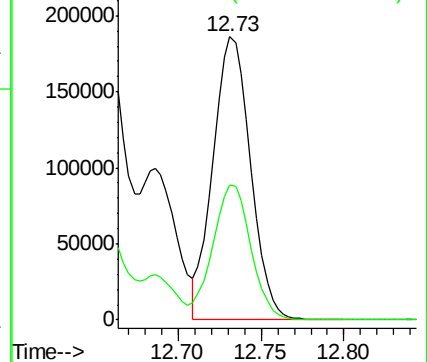
105 100

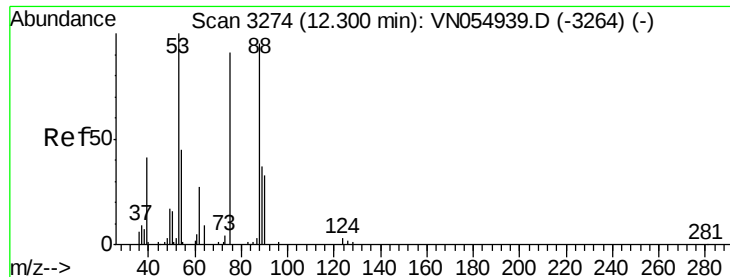
120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.594 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

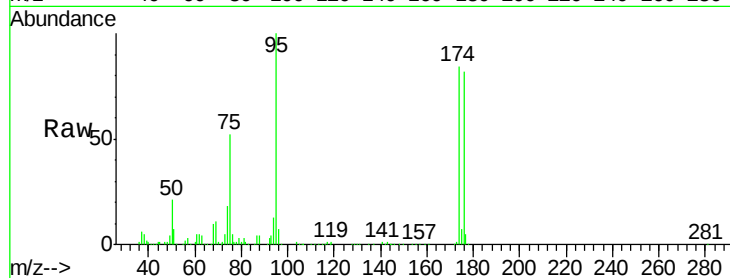
Tgt Ion: 75 Resp: 178109

Ion Ratio Lower Upper

75 100

53 0.0 92.8 139.2#

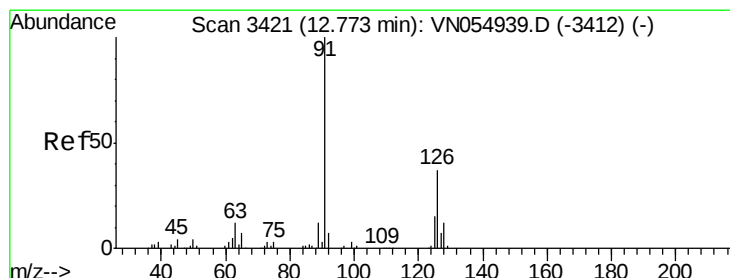
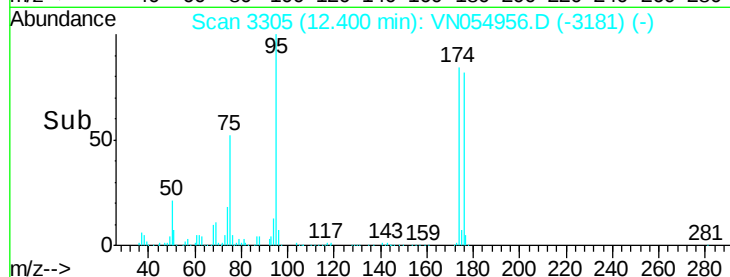
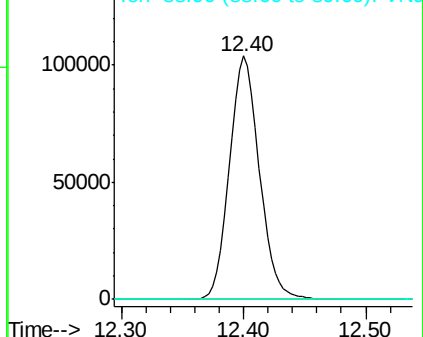
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.936 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054956.D

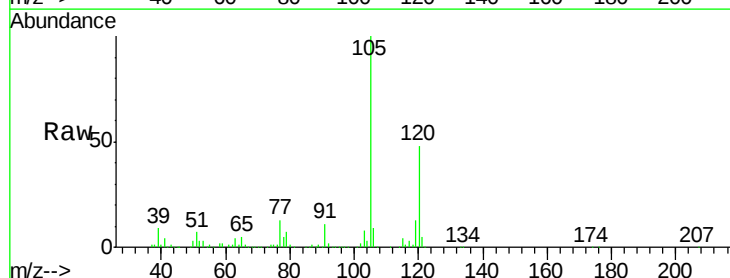
Acq: 4 Apr 2019 19:04

Tgt Ion: 91 Resp: 33014

Ion Ratio Lower Upper

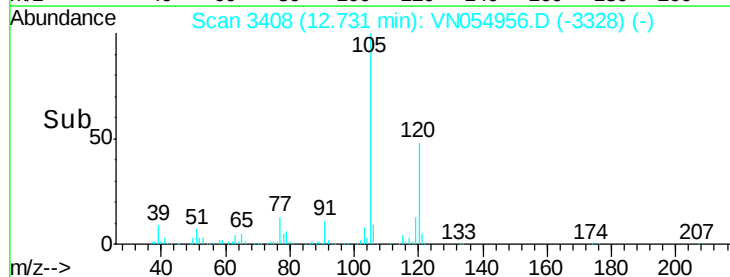
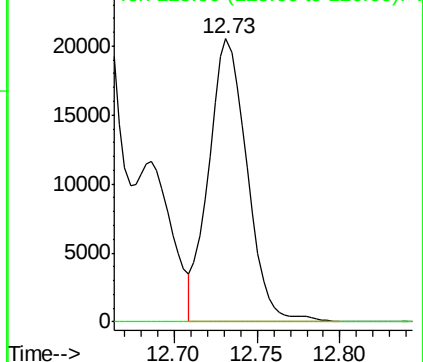
91 100

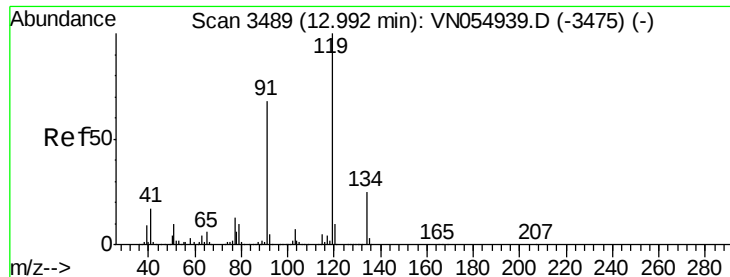
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.202 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

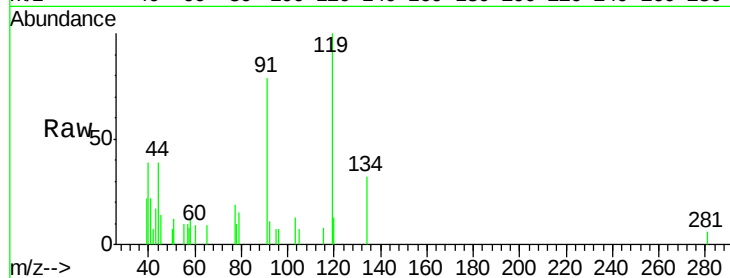
Tgt Ion:119 Resp: 3734

Ion Ratio Lower Upper

119 100

91 80.6 33.5 100.5

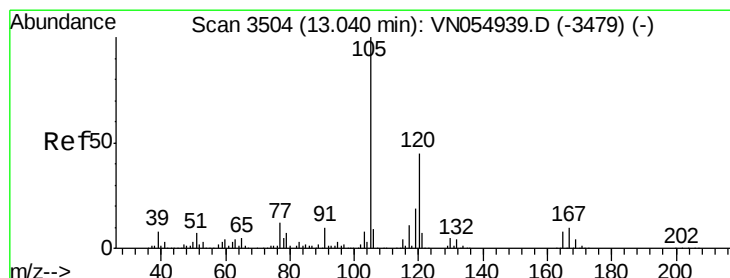
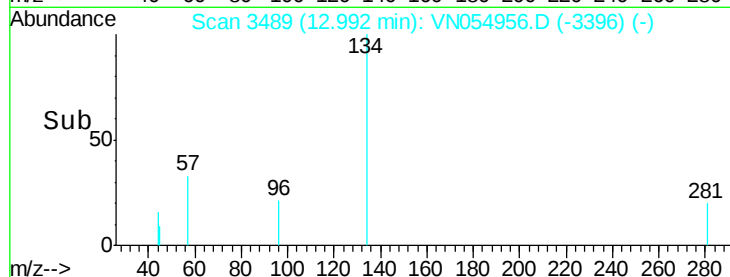
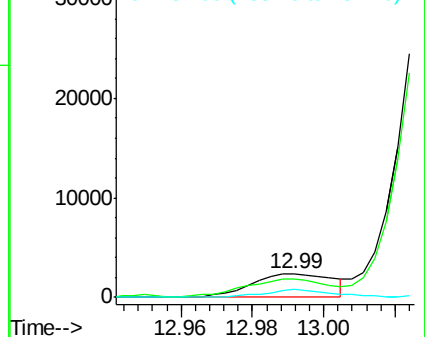
134 28.3 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 43.346 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054956.D

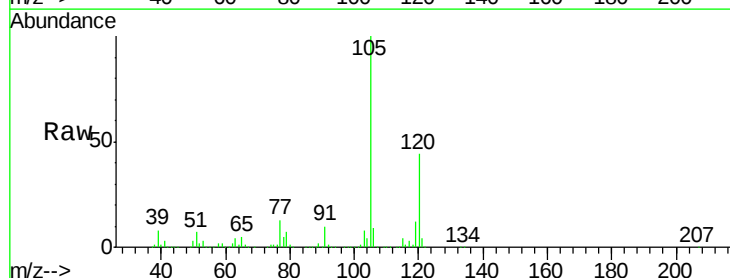
Acq: 4 Apr 2019 19:04

Tgt Ion:105 Resp: 909641

Ion Ratio Lower Upper

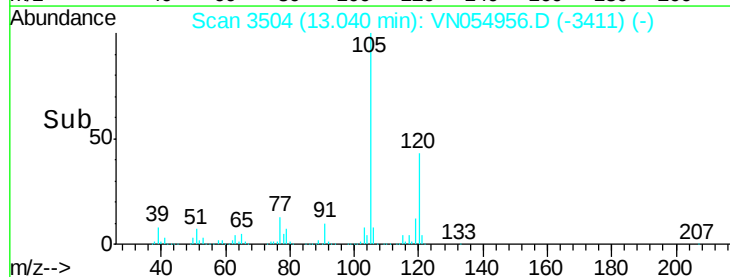
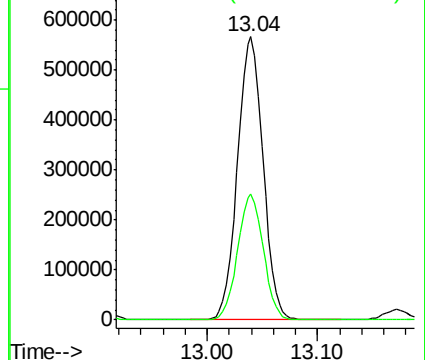
105 100

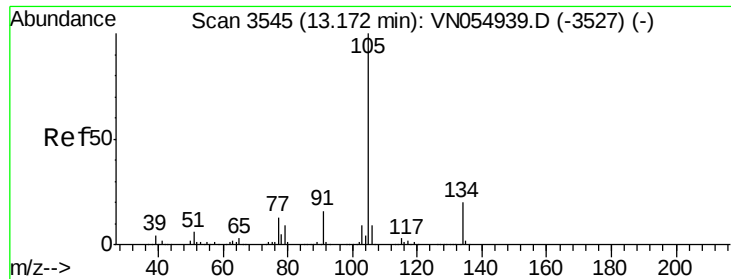
120 44.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

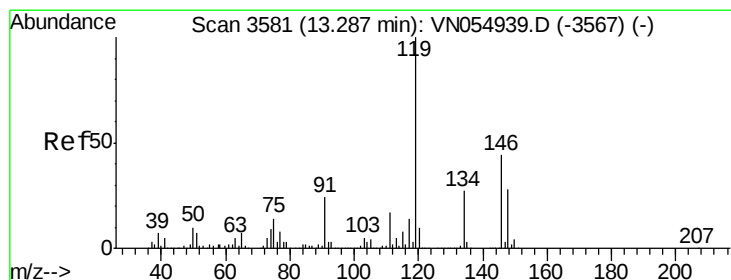
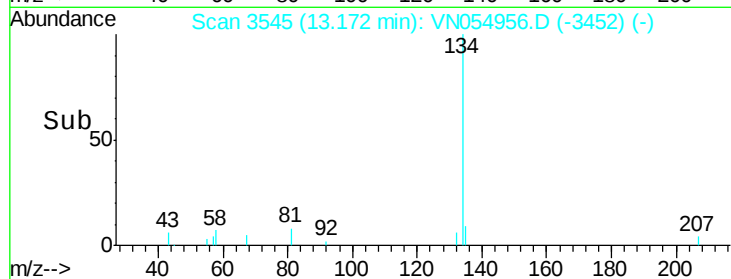
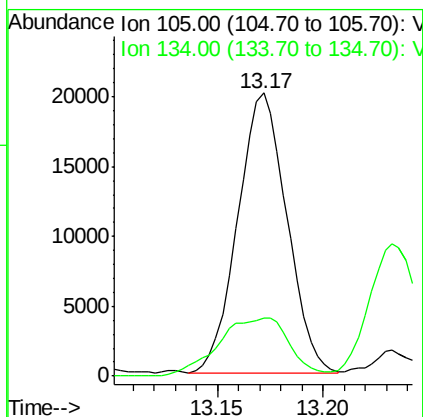
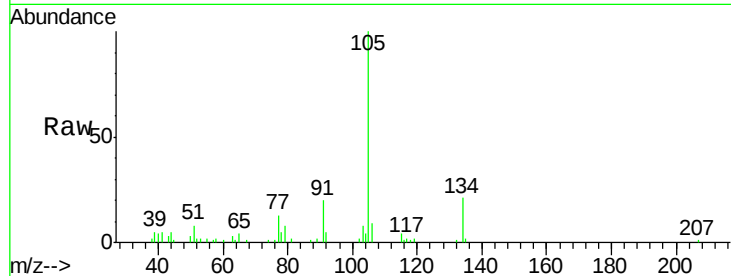




#85
 sec-Butylbenzene
 Concen: 1.358 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

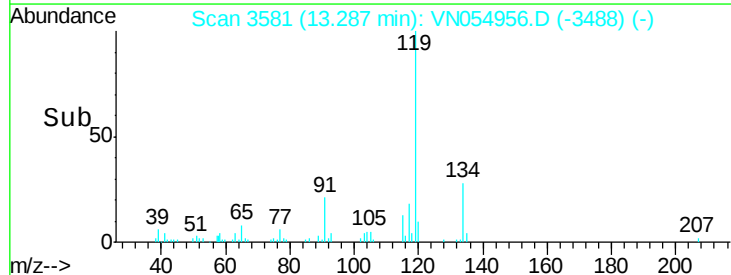
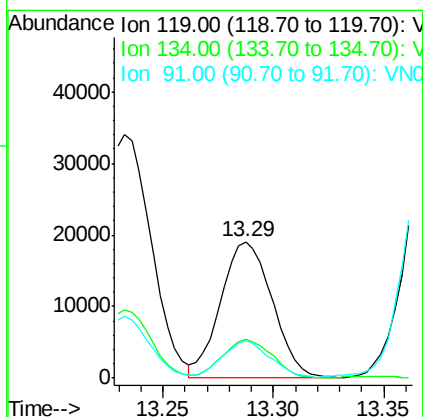
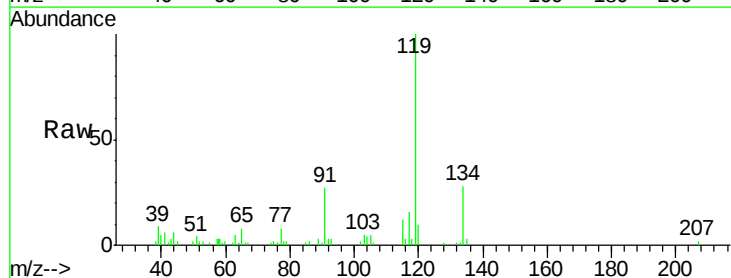
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-040319-C

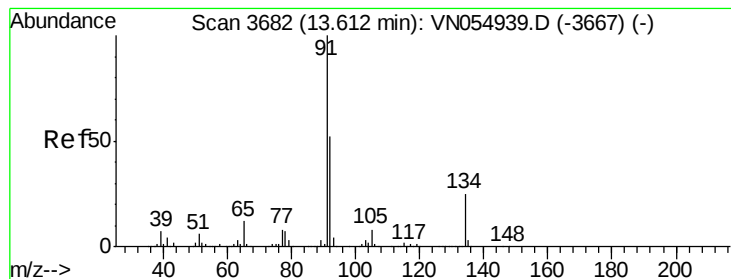
Tgt Ion:105 Resp: 32400
 Ion Ratio Lower Upper
 105 100
 134 30.2 9.8 29.5#



#86
 p-Isopropyltoluene
 Concen: 1.511 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054956.D
 Acq: 4 Apr 2019 19:04

Tgt Ion:119 Resp: 31079
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.5
 91 25.8 11.9 35.7





#89

n-Butylbenzene

Concen: 1.876 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

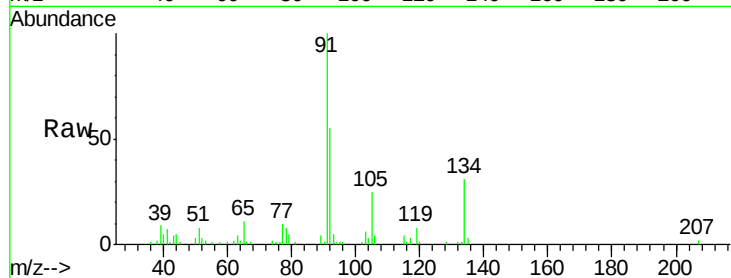
Tgt Ion: 91 Resp: 30834

Ion Ratio Lower Upper

91 100

92 71.8 26.1 78.2

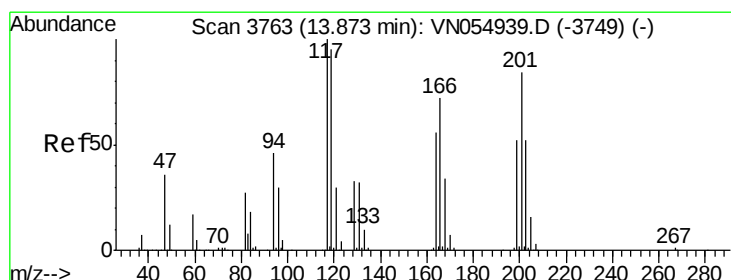
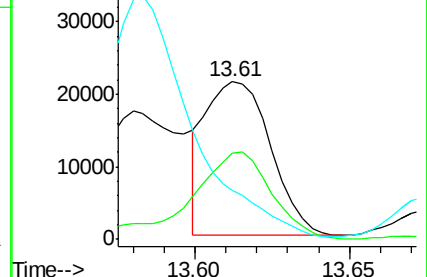
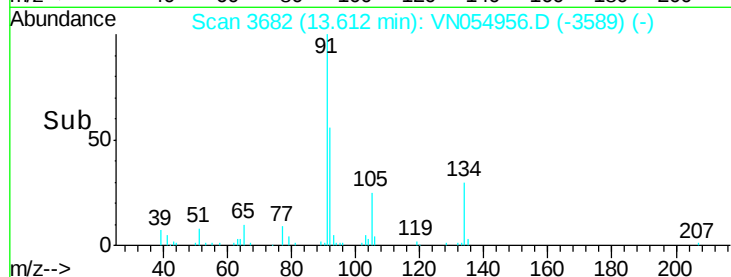
134 0.0 12.6 37.8#



Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054939.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054939.D (-3667) (-)



#90

Hexachloroethane

Concen: 3.716 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN054956.D

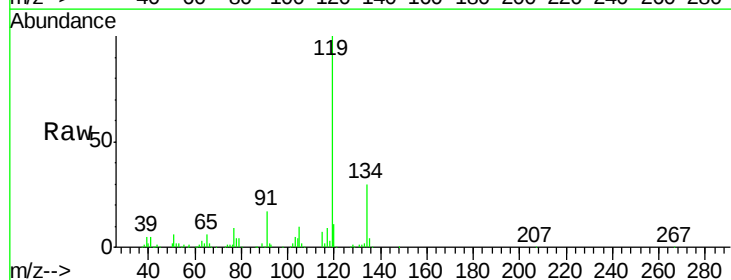
Acq: 4 Apr 2019 19:04

Tgt Ion: 117 Resp: 12835

Ion Ratio Lower Upper

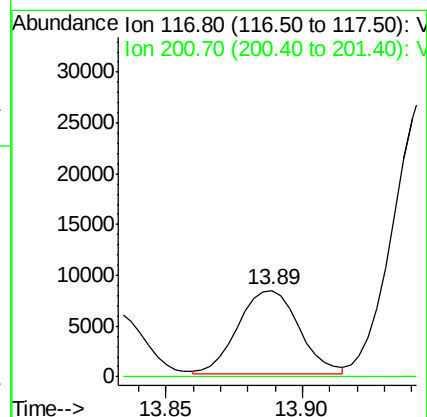
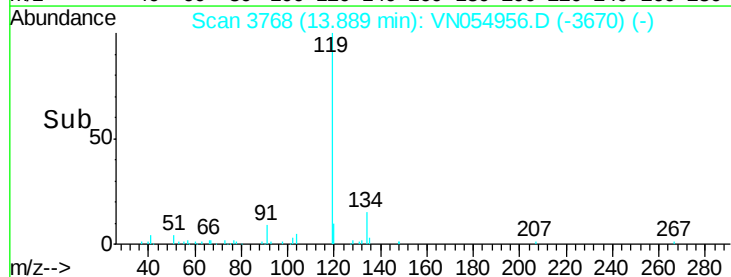
117 100

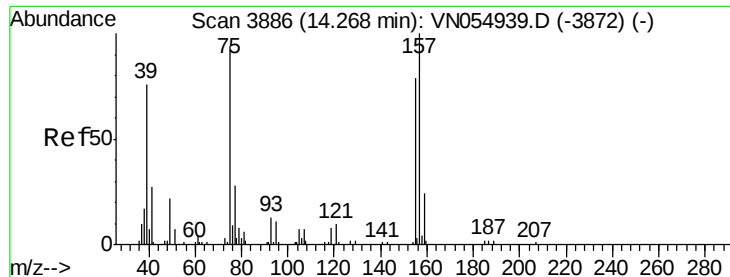
201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): VN054939.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054939.D (-3749) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.666 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

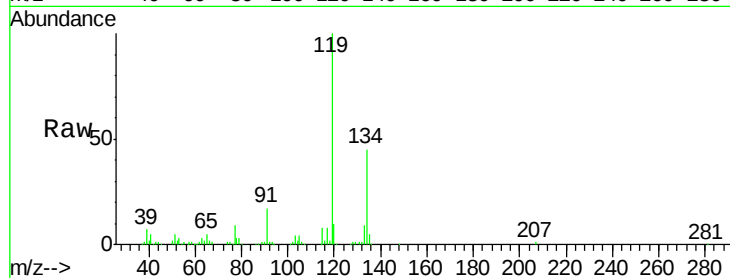
Tgt Ion: 75 Resp: 1506

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

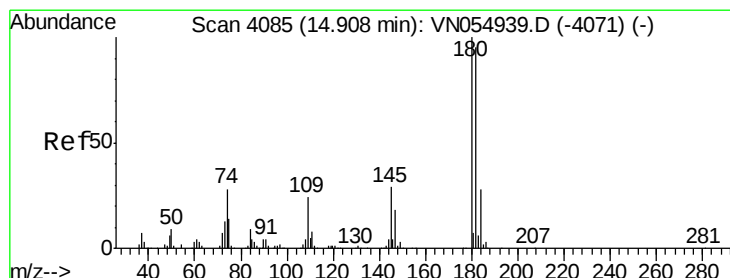
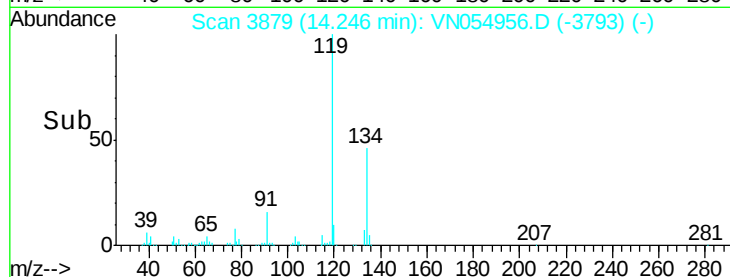
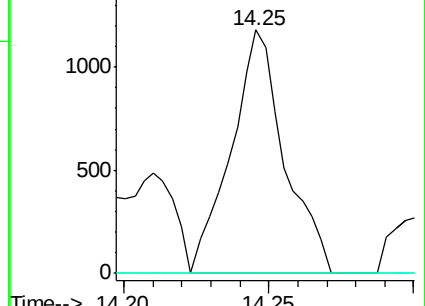
157 0.0 54.4 163.2#



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.487 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

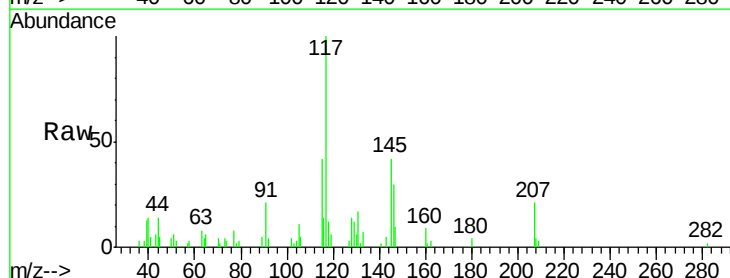
Tgt Ion: 180 Resp: 194

Ion Ratio Lower Upper

180 100

182 53.1 47.5 142.6

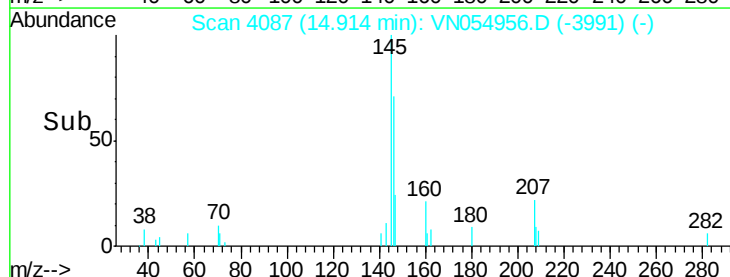
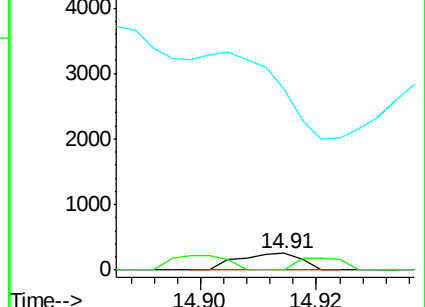
145 0.0 14.6 43.8#

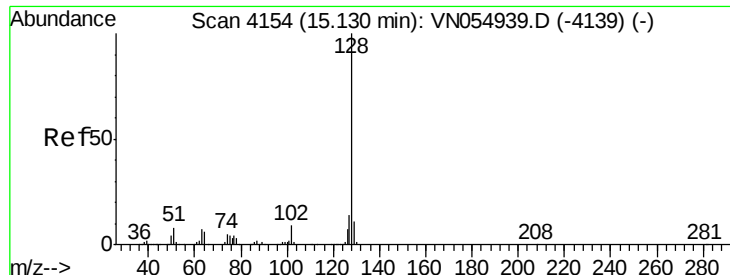


Abundance Ion 179.80 (179.50 to 180.50): VN054939.D (-4071) (-)

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

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





#95

Naphthalene

Concen: 9.336 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054956.D

Acq: 4 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

HR-06-040319-C

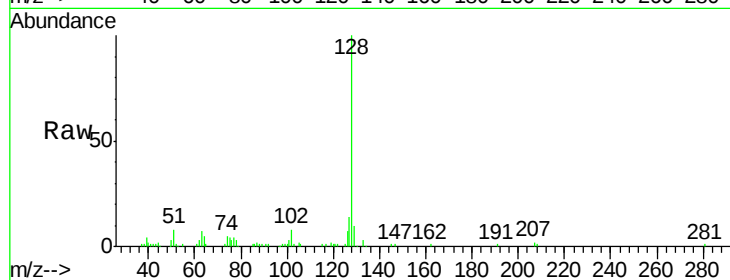
Tgt Ion:128 Resp: 81198

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 8.4 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

