

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053620.D
 Acq On : 5 Feb 2019 15:23
 Operator : JC/SP
 Sample : K1341-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-020419-C

Quant Time: Feb 06 03:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	825643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1326218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1225174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	566022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	424378	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	414126	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.09	98	1603441	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	558188	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.56	41	22291	1.831	ug/l #	27
16) Acetone	3.82	43	63234	29.763	ug/l	99
18) Methyl Acetate	4.33	43	3415	0.543	ug/l #	67
20) Methylene Chloride	4.55	84	607369	68.141	ug/l	98
25) 2-Butanone	6.85	43	5699	1.881	ug/l	91
29) Tetrahydrofuran	7.21	42	1003	0.515	ug/l #	68
31) Cyclohexane	7.67	56	11754	0.672	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48236	4.035	ug/l #	49
38) Carbon Tetrachloride	7.67	117	65177	5.412	ug/l #	16
41) Methacrylonitrile	7.23	41	887	0.238	ug/l #	25
43) Isopropyl Acetate	8.17	43	36937	2.865	ug/l #	78
48) Methyl methacrylate	9.18	41	11710	1.902	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	8524	1.345	ug/l #	34
52) Toluene	10.16	92	6469	0.296	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	80919	5.770	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	14833	1.101	ug/l #	43
59) 2-Hexanone	10.77	43	193418	44.964	ug/l #	50
67) Ethyl Benzene	11.51	91	13187	0.308	ug/l	96
68) m/p-Xylenes	11.62	106	35240	2.160	ug/l	99
69) o-Xylene	11.95	106	37154	2.357	ug/l	96
71) Bromoform	12.40	173	3961	0.636	ug/l #	1
73) Isopropylbenzene	12.25	105	18006	0.453	ug/l	100
74) N-ethyl acetate	11.88	43	20719	2.165	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	257923	35.477	ug/l #	100
78) n-propylbenzene	12.59	91	61584	1.339	ug/l	99
79) 2-Chlorotoluene	12.66	91	22155	0.812	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	157067	4.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	257923	99.758	ug/l #	15
82) 4-Chlorotoluene	12.73	91	15386	0.549	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.04	105	738374	21.964	ug/l	99
85) sec-Butylbenzene	13.17	105	42716	1.076	ug/l	86
86) p-Isopropyltoluene	13.29	119	48419	1.395	ug/l	96
89) n-Butylbenzene	13.62	91	42546	1.416	ug/l #	75
90) Hexachloroethane	13.89	117	13709	2.395	ug/l #	3

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

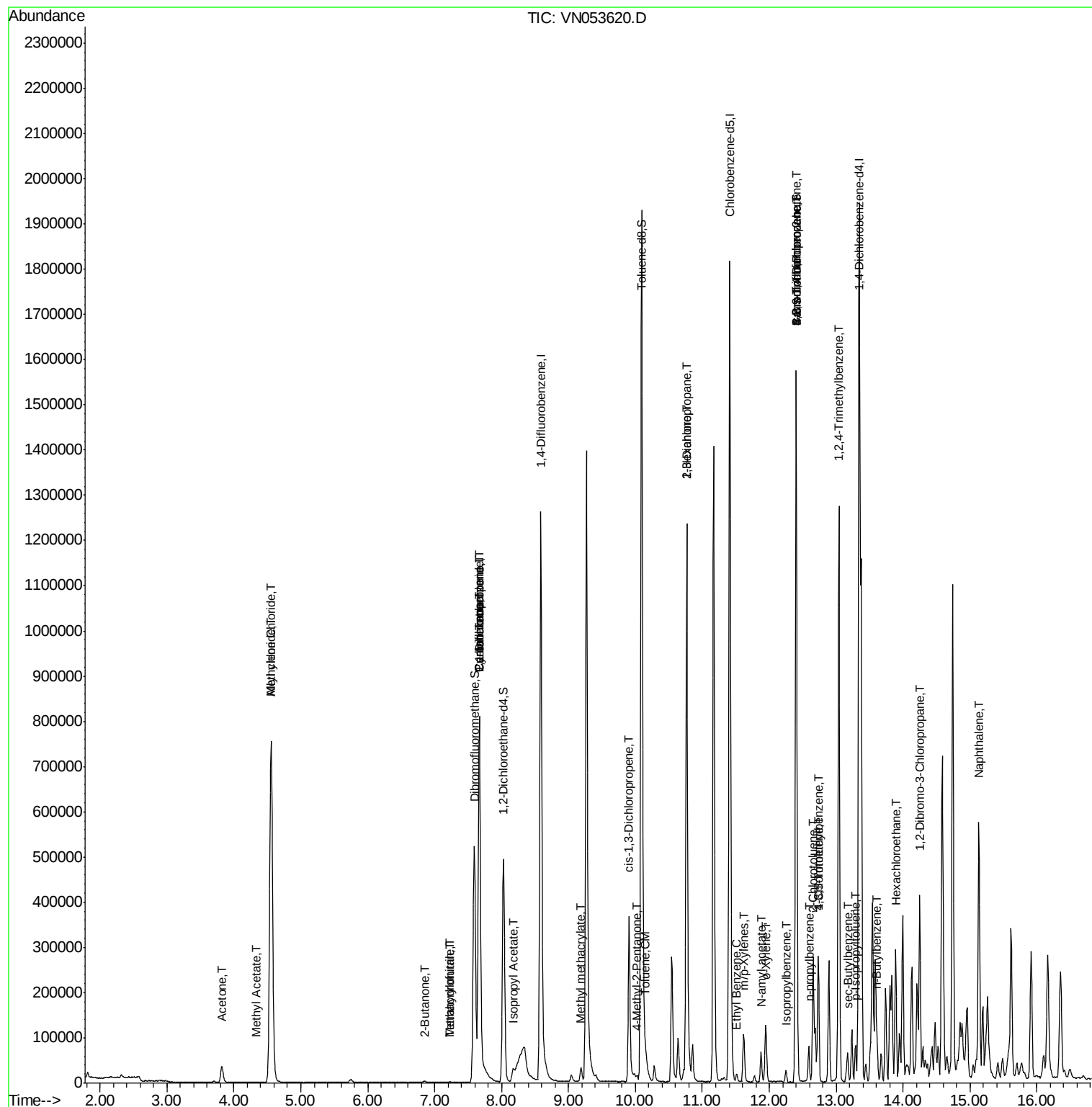
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1576	1.161	ug/l #	1
95) Naphthalene	15.13	128	489995	20.759	ug/l	100

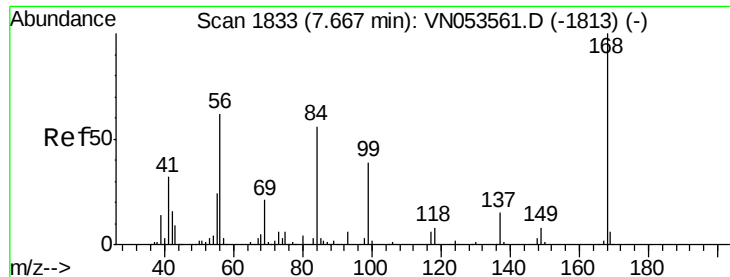
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

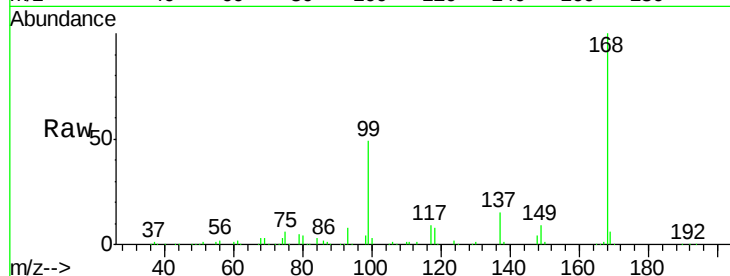
HR-05-020419-C

Tot Ion:168 Resp: 825643

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

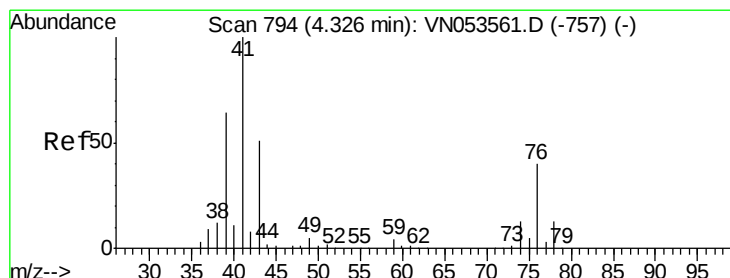
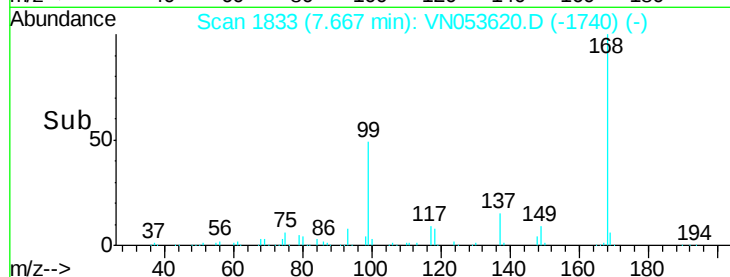
200000

100000

0

Time-->

7.60 7.80 8.00



#14

Allyl chloride

Concen: 1.831 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.23 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

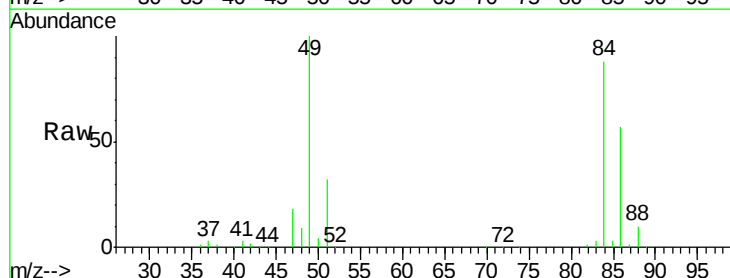
Tgt Ion: 41 Resp: 22291

Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.56

8000

6000

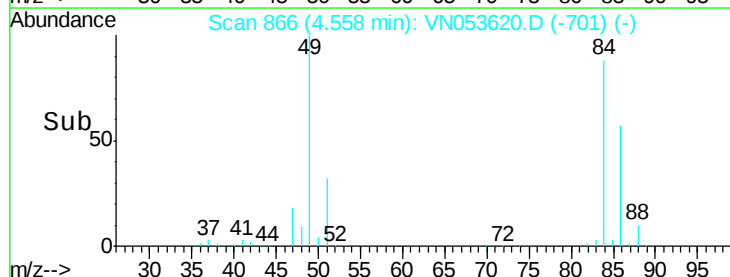
4000

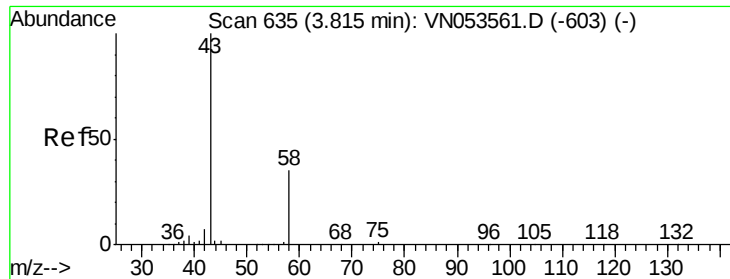
2000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 29.763 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

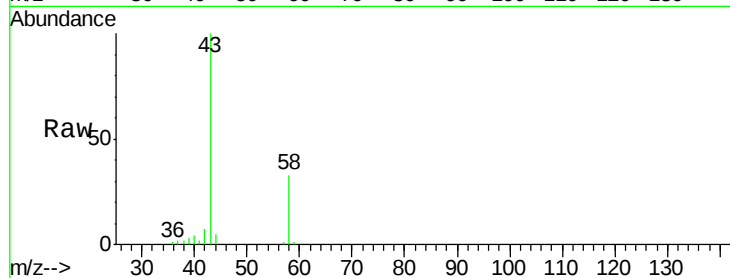
HR-05-020419-C

Tot Ion: 43 Resp: 63234

Ion Ratio Lower Upper

43 100

58 33.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

25000

20000

15000

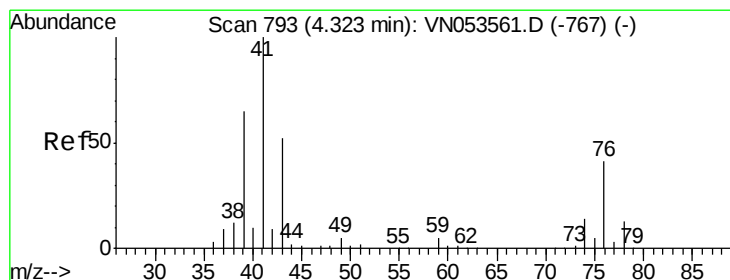
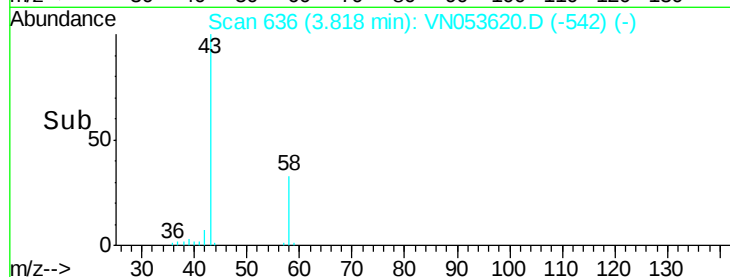
10000

5000

0

3.70 3.80 3.90 4.00

Time-->



#18

Methyl Acetate

Concen: 0.543 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053620.D

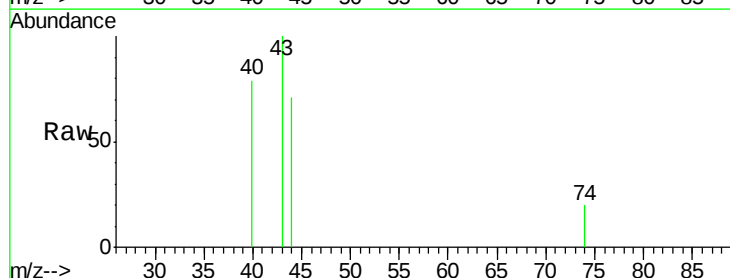
Acq: 5 Feb 2019 15:23

Tgt Ion: 43 Resp: 3415

Ion Ratio Lower Upper

43 100

74 7.8 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

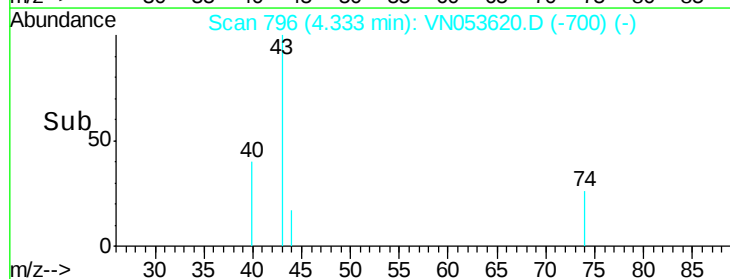
1000

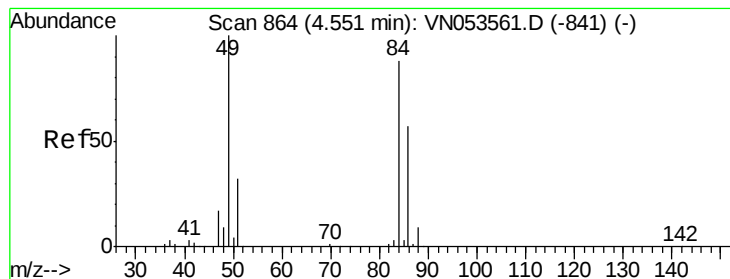
500

0

4.25 4.30 4.35 4.40

Time-->





#20

Methvlene Chloride

Concen: 68.141 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-C

Tot Ion: 84 Resp: 607369

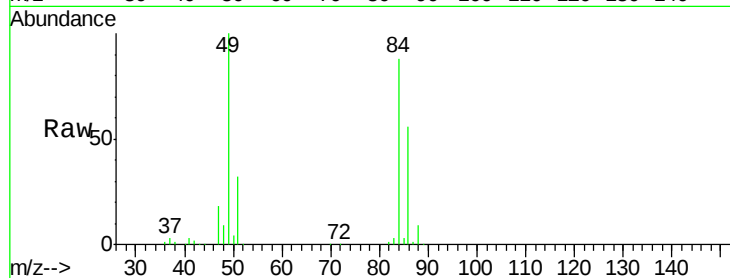
Ion Ratio Lower Upper

84 100

49 113.7 94.3 141.5

51 36.7 29.4 44.2

86 63.9 51.4 77.0

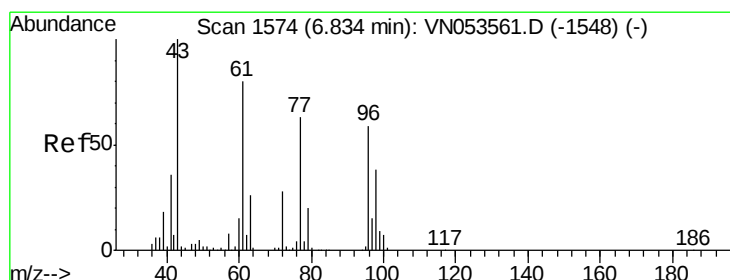
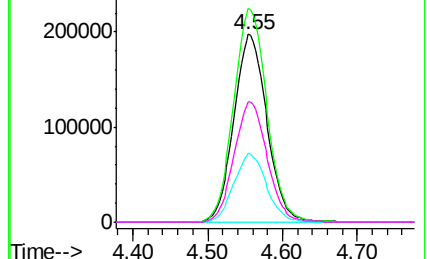
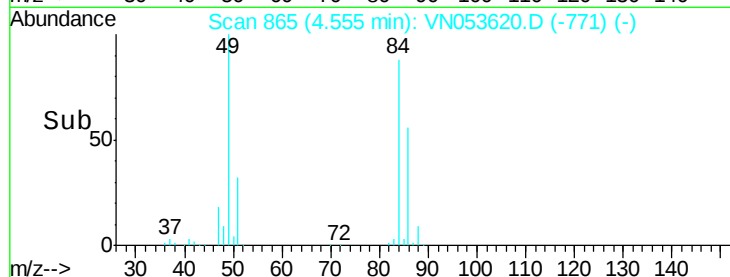


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#25

2-Butanone

Concen: 1.881 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VN053620.D

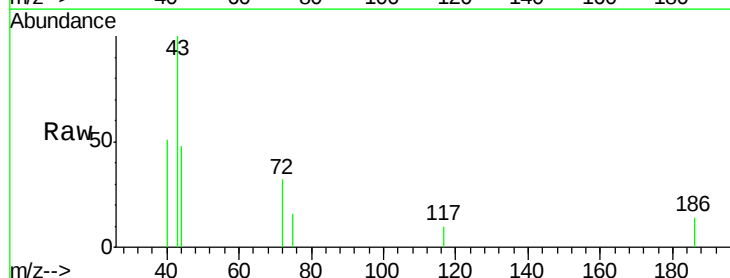
Acq: 5 Feb 2019 15:23

Tgt Ion: 43 Resp: 5699

Ion Ratio Lower Upper

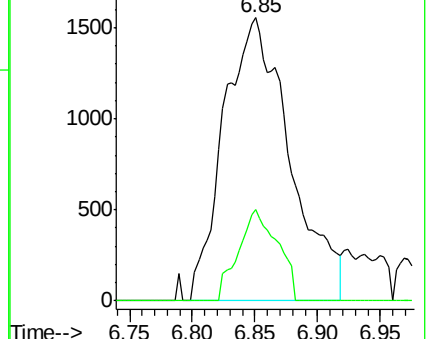
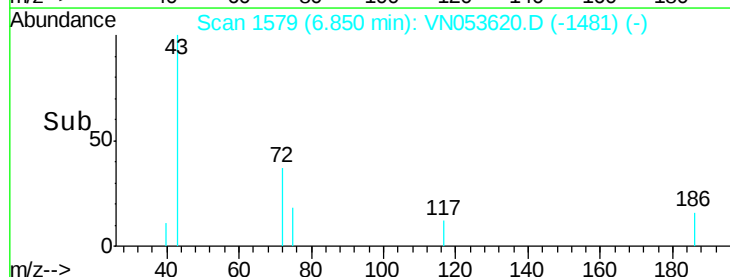
43 100

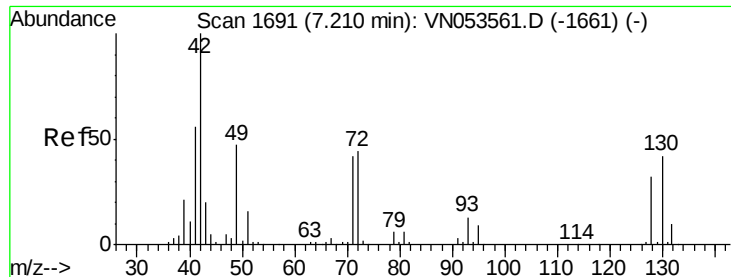
72 32.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-C

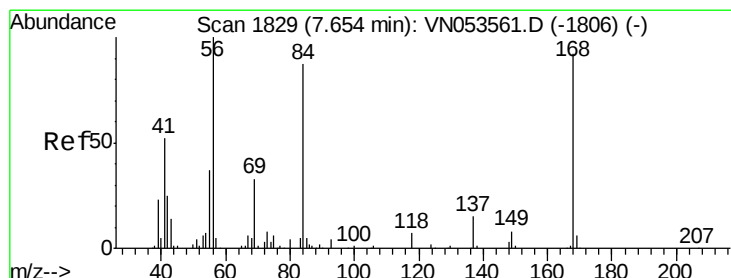
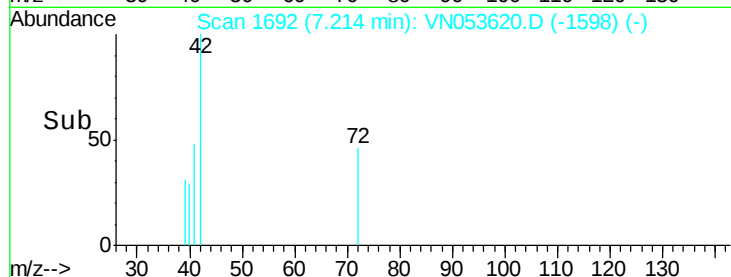
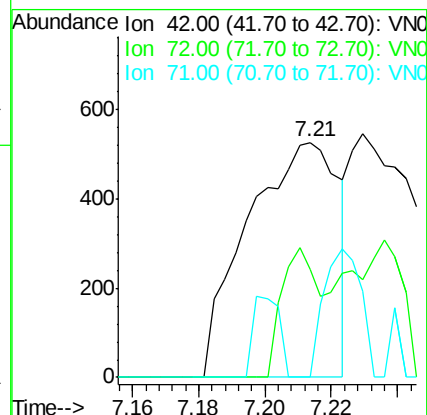
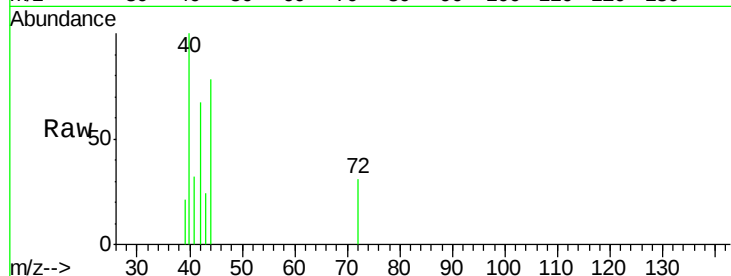
Tot Ion: 42 Resp: 1003

Ion Ratio Lower Upper

42 100

72 21.8 35.2 52.8#

71 22.2 33.0 49.4#



#31

Cyclohexane

Concen: 0.672 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

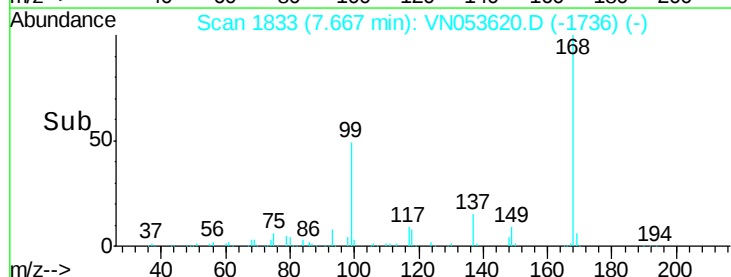
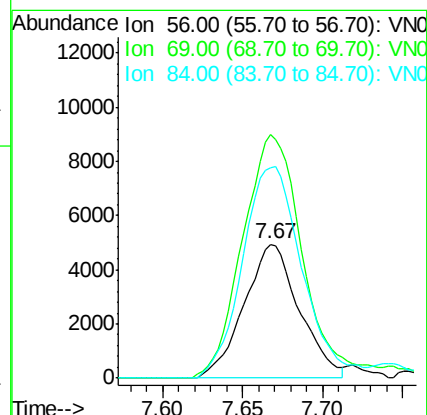
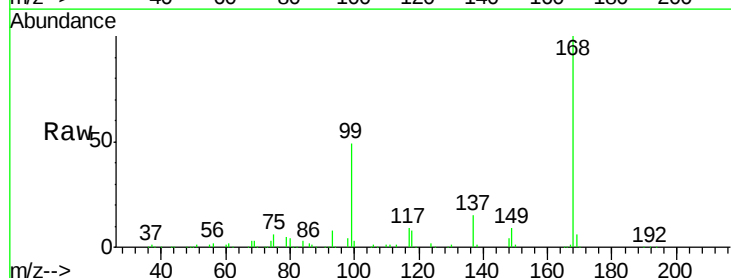
Tgt Ion: 56 Resp: 11754

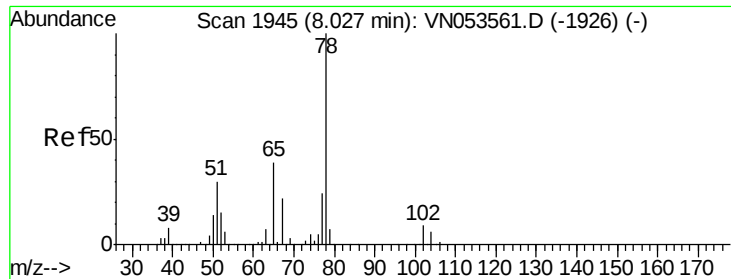
Ion Ratio Lower Upper

56 100

69 181.6 26.4 39.6#

84 156.9 67.9 101.9#

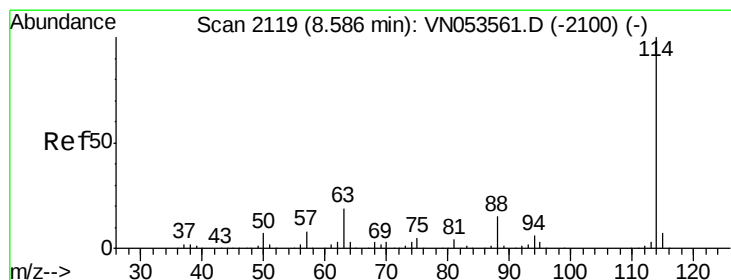
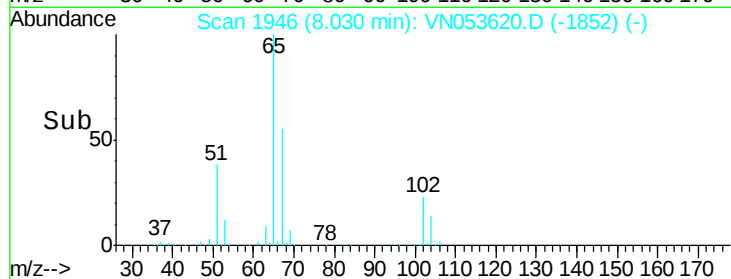
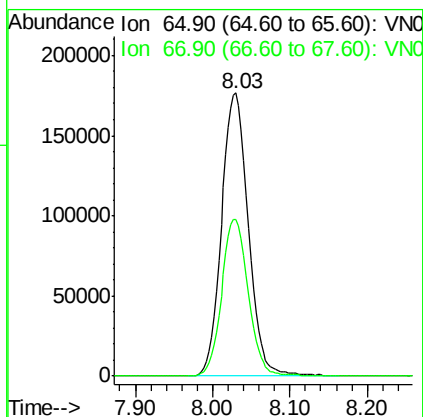
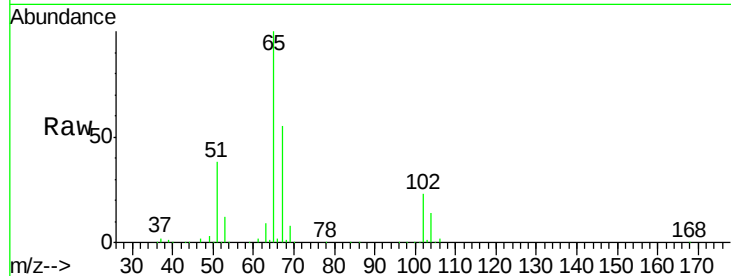




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

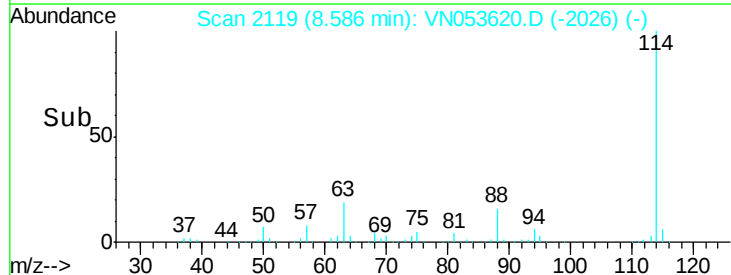
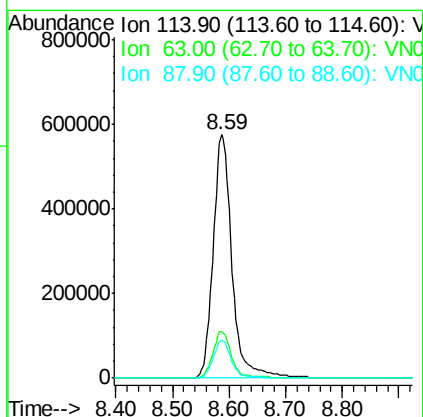
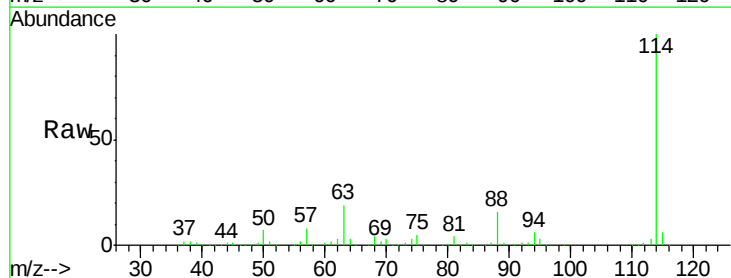
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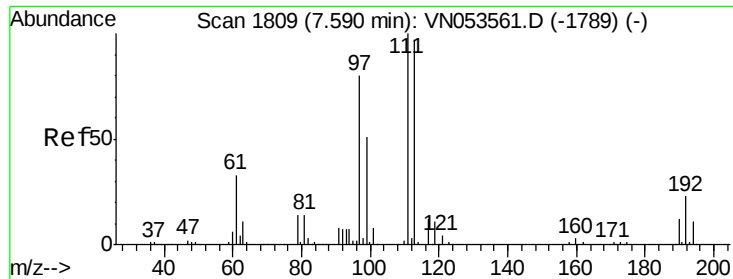
Tot Ion: 65 Resp: 424378
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

Tgt Ion: 114 Resp: 1326218
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.5 0.0 30.4

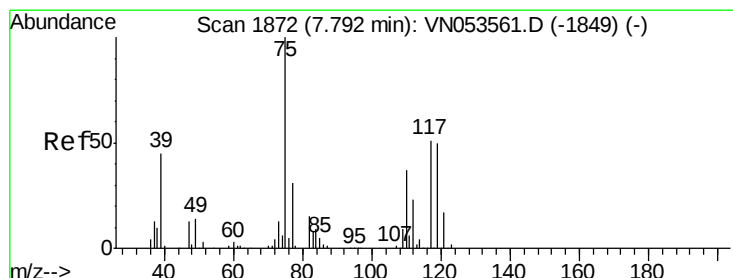
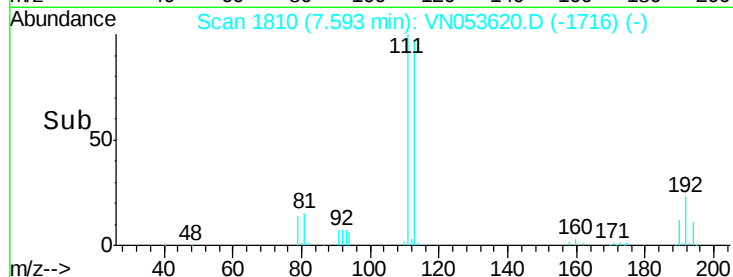
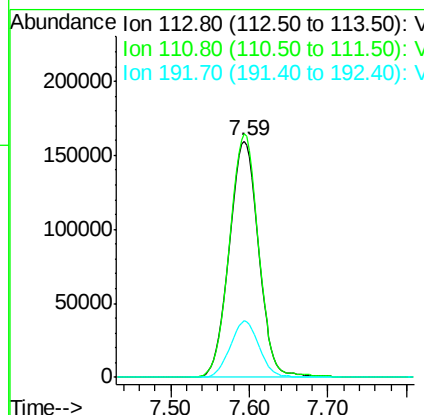
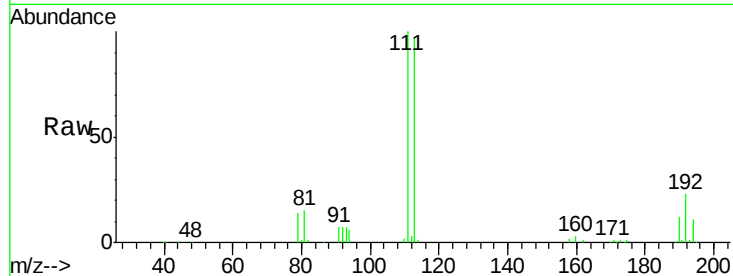




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

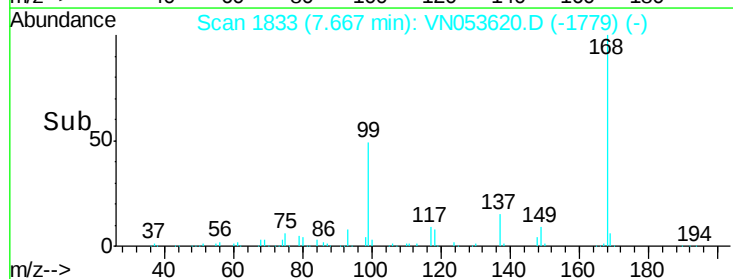
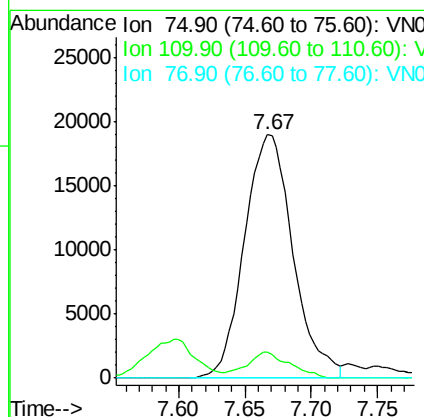
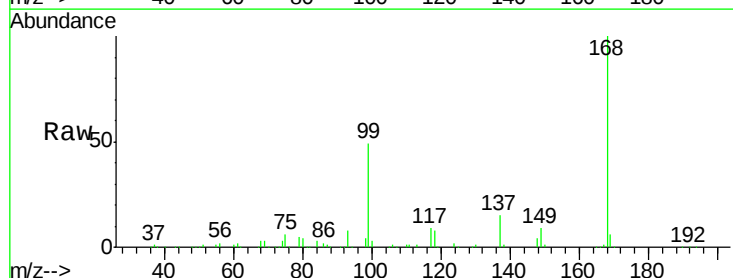
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-020419-C

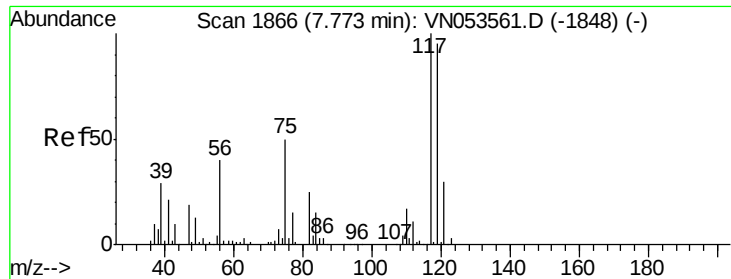
Tot Ion:113 Resp: 414126
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 23.6 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.035 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

Tgt Ion: 75 Resp: 48236
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.3#
 77 0.0 25.1 37.7#

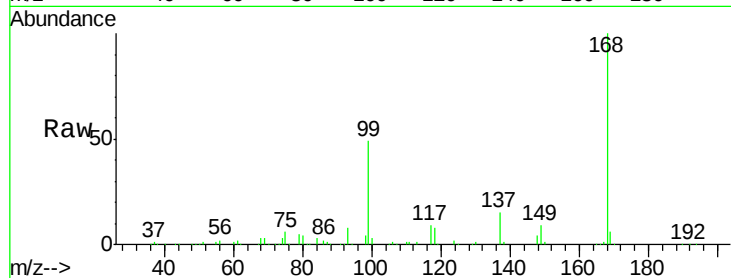




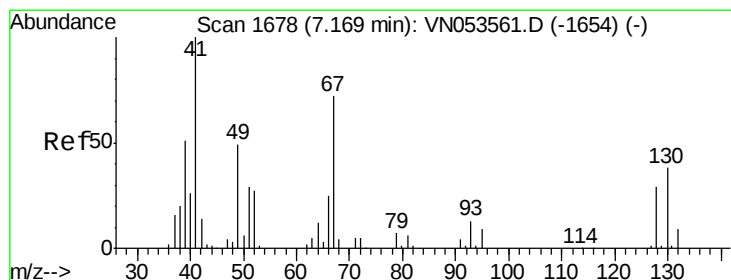
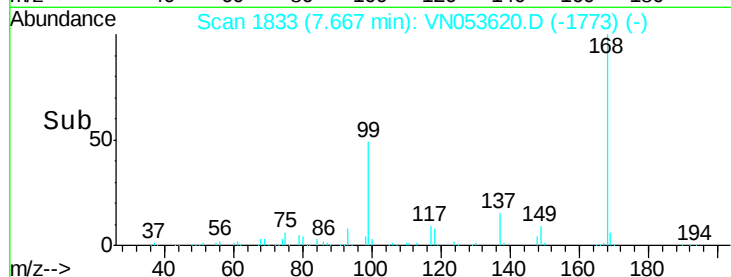
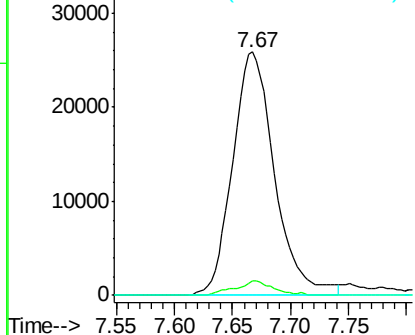
#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-C

Tot Ion:117 Resp: 65177
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 24.6 37.0#

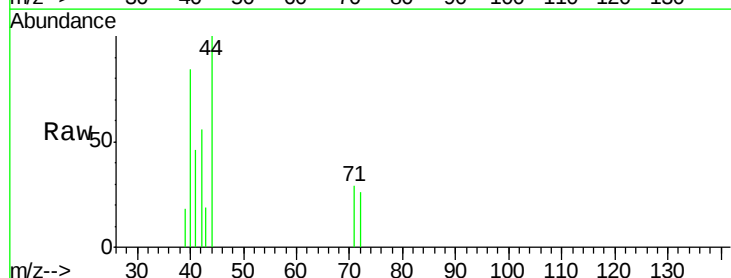


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

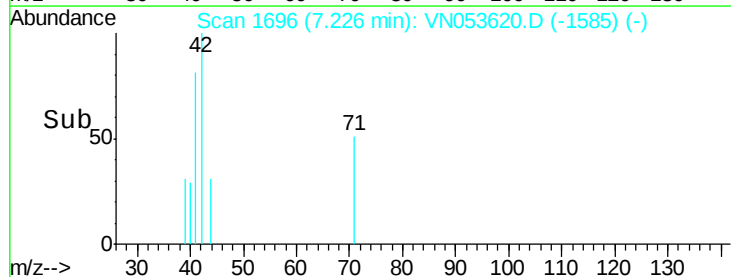
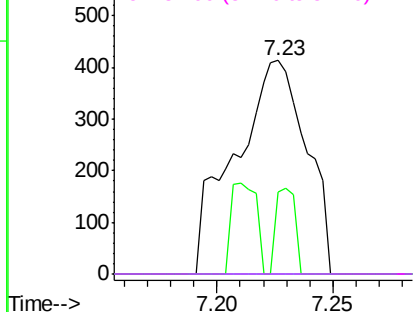


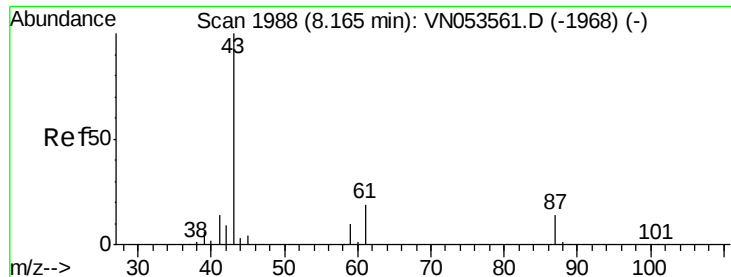
#41
Methacrylonitrile
Concen: 0.238 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.06 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

Tgt Ion: 41 Resp: 887
Ion Ratio Lower Upper
41 100
39 10.4 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 2.865 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-C

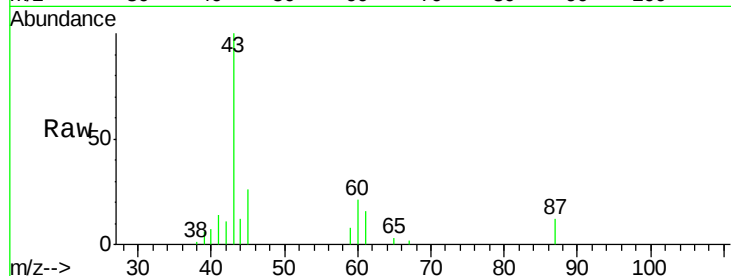
Tot Ion: 43 Resp: 36937

Ion Ratio Lower Upper

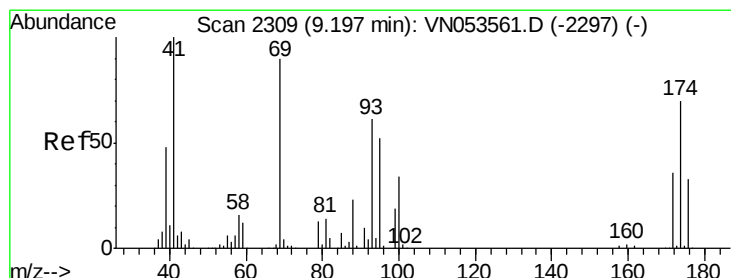
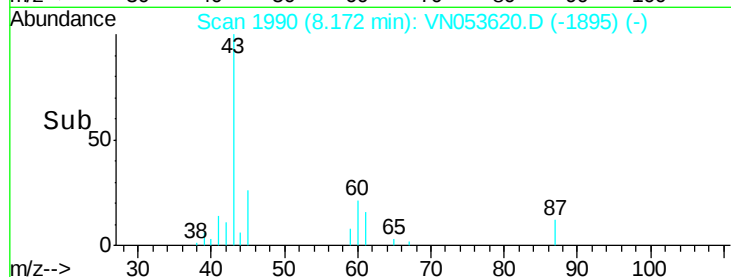
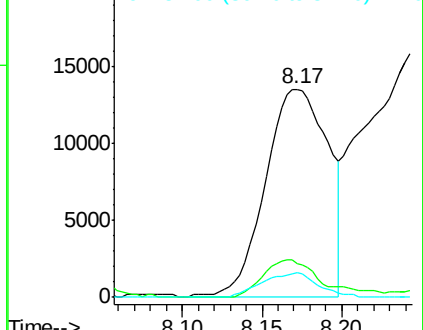
43 100

61 14.5 23.9 35.9#

87 10.4 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.902 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

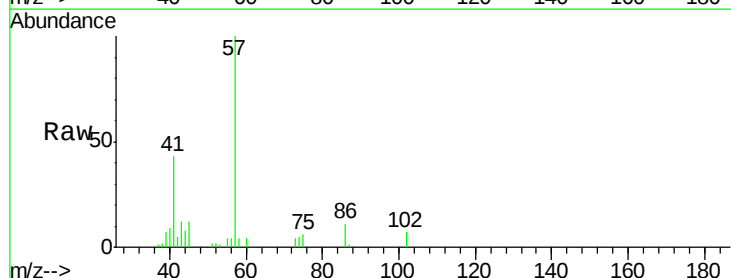
Tgt Ion: 41 Resp: 11710

Ion Ratio Lower Upper

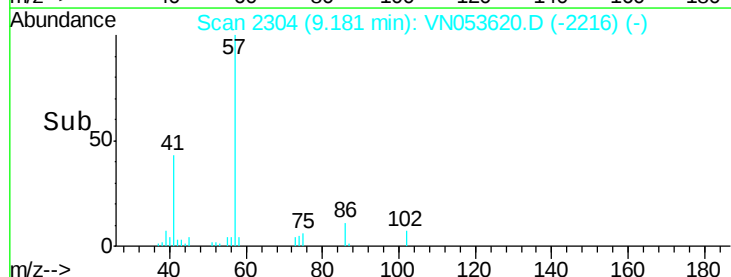
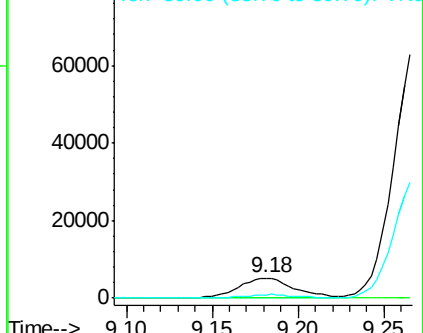
41 100

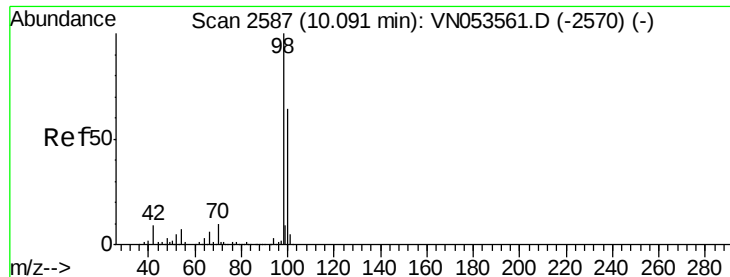
69 0.0 73.8 110.6#

39 0.0 40.0 60.0#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

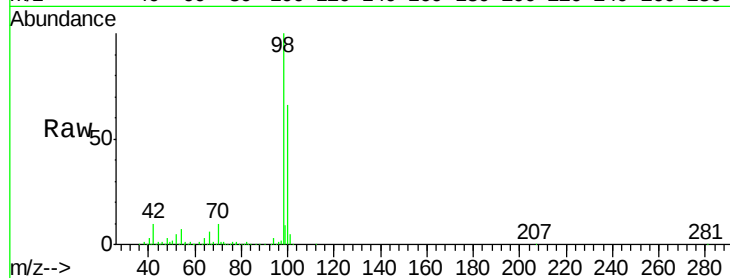
HR-05-020419-C

Tot Ion: 98 Resp: 1603441

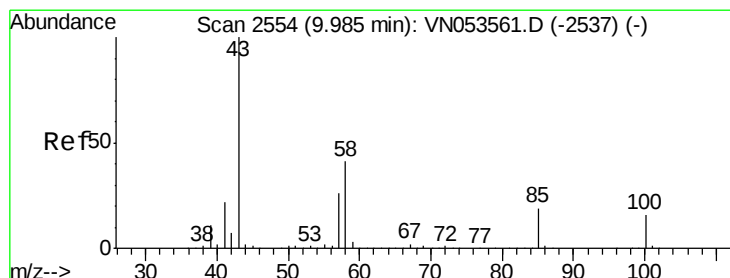
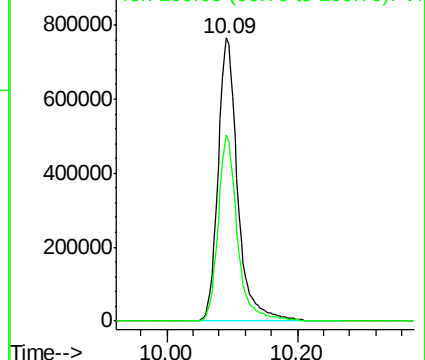
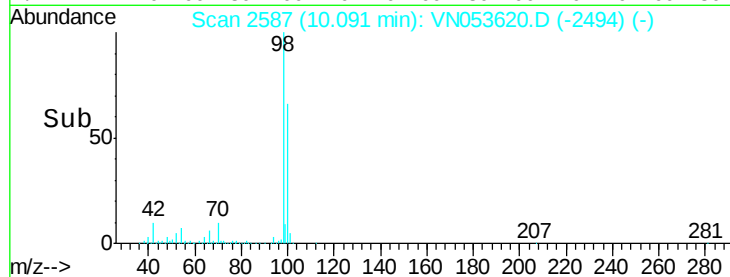
Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053620.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.345 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053620.D

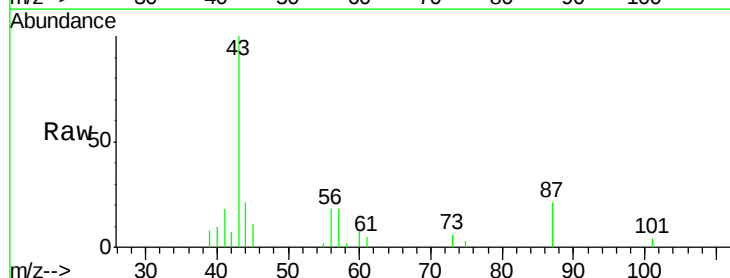
Acq: 5 Feb 2019 15:23

Tgt Ion: 43 Resp: 8524

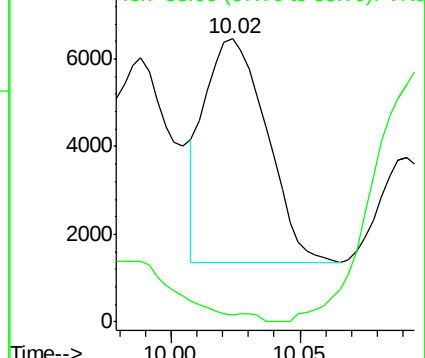
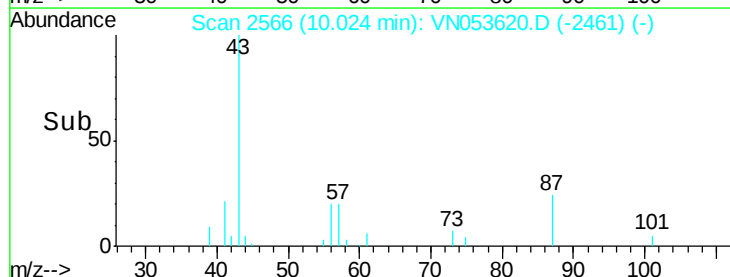
Ion Ratio Lower Upper

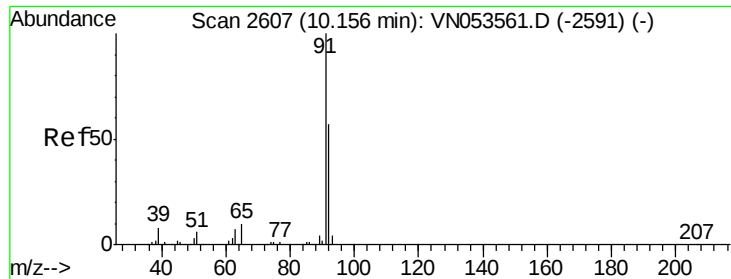
43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053620.D (-2461) (-)





#52

Toluene

Concen: 0.296 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

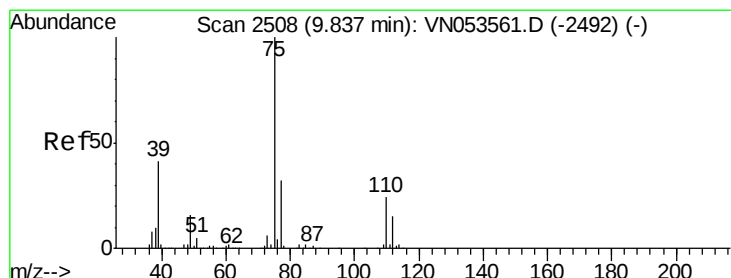
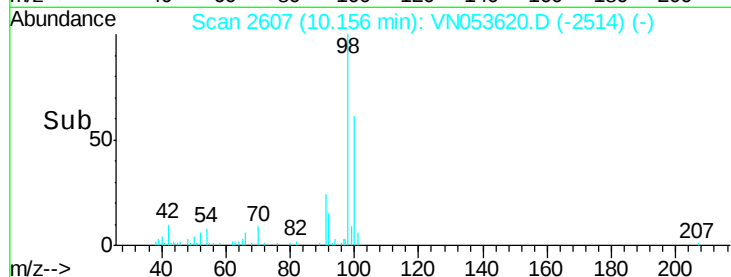
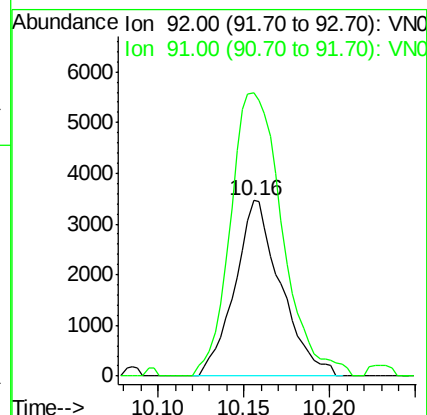
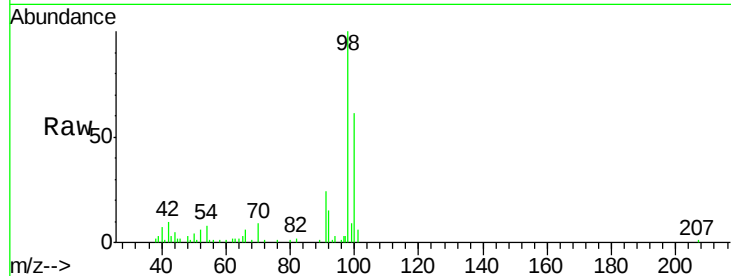
HR-05-020419-C

Tot Ion: 92 Resp: 6469

Ion Ratio Lower Upper

92 100

91 181.6 139.9 209.9



#54

cis-1,3-Dichloropropene

Concen: 5.770 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

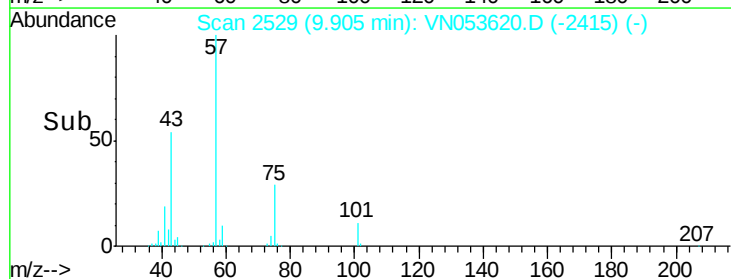
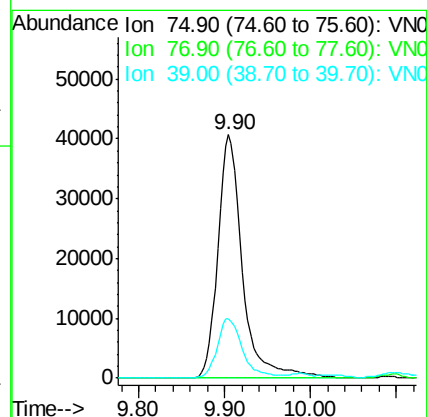
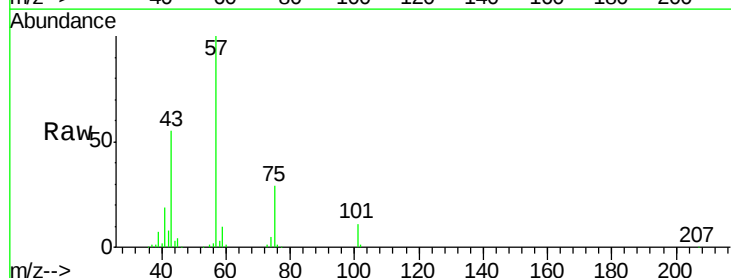
Tgt Ion: 75 Resp: 80919

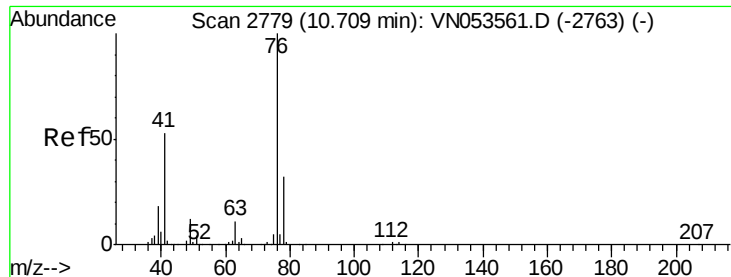
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 24.6 33.4 50.0#





#57

1,3-Dichloropropane

Concen: 1.101 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

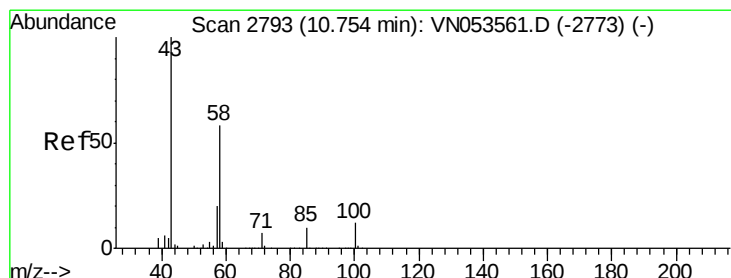
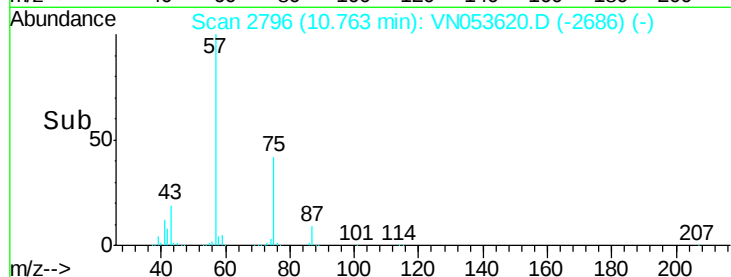
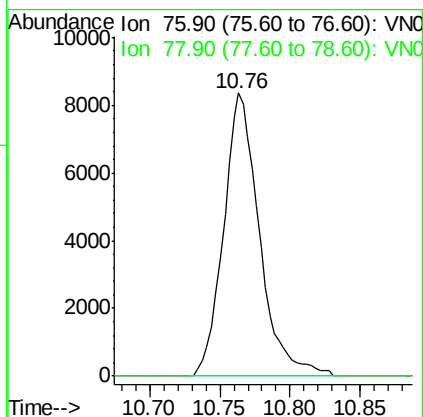
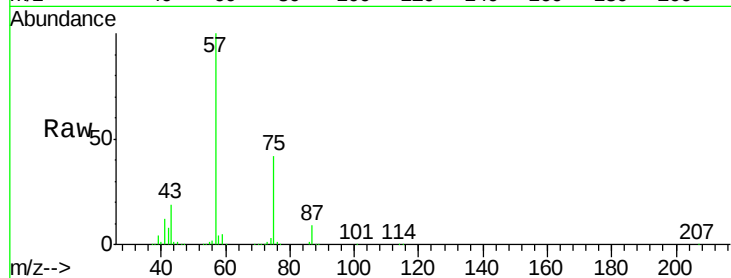
HR-05-020419-C

Tot Ion: 76 Resp: 14833

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 44.964 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN053620.D

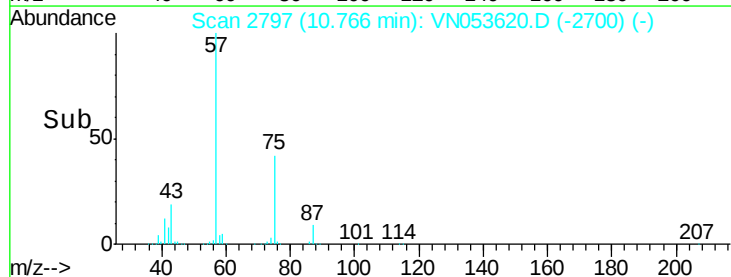
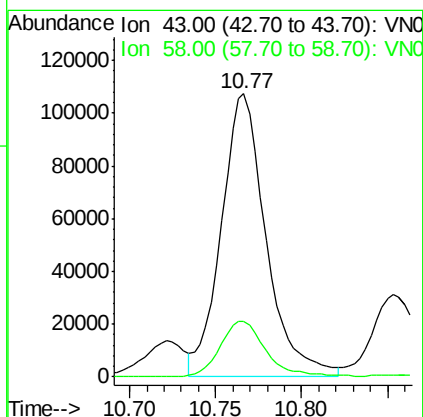
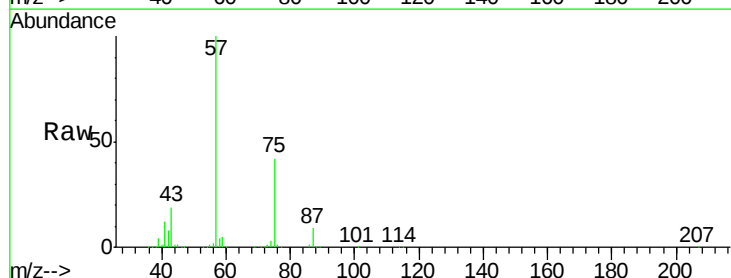
Acq: 5 Feb 2019 15:23

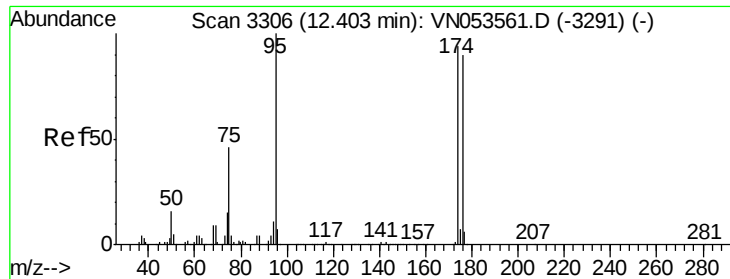
Tgt Ion: 43 Resp: 193418

Ion Ratio Lower Upper

43 100

58 20.4 28.6 85.8#

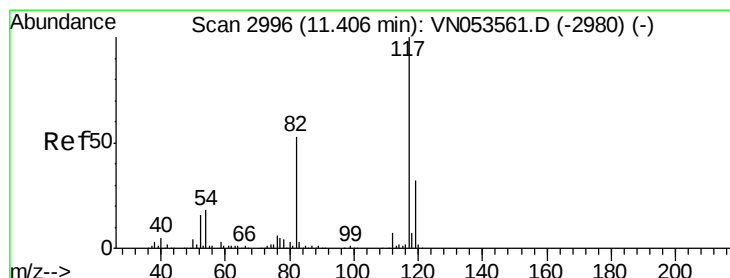
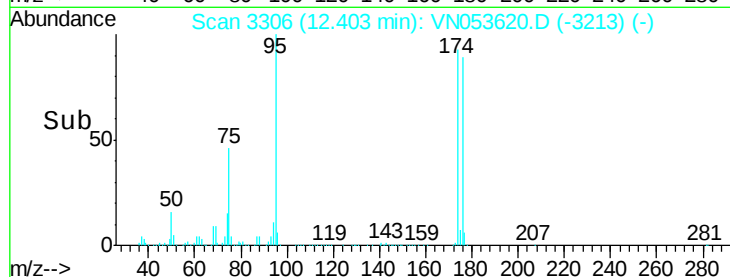
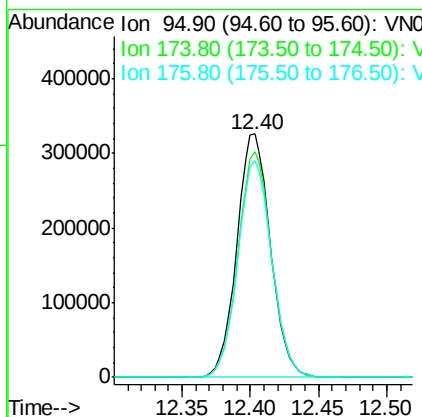
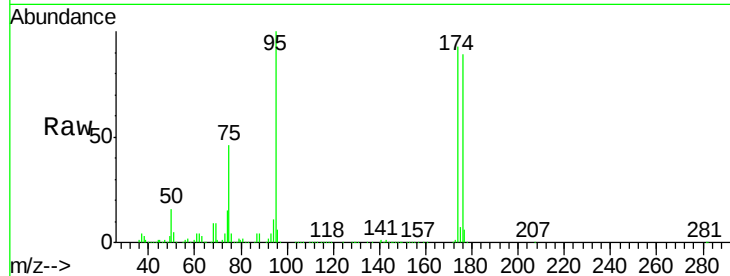




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

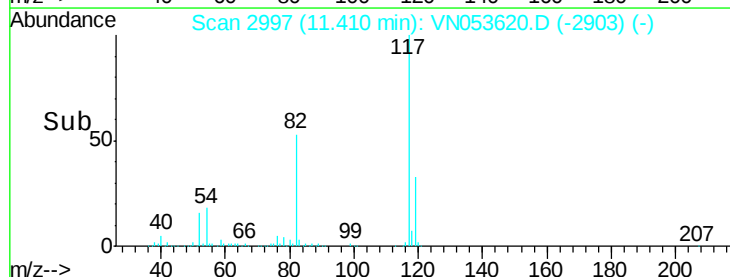
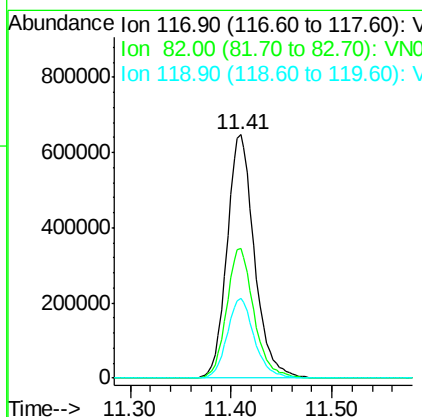
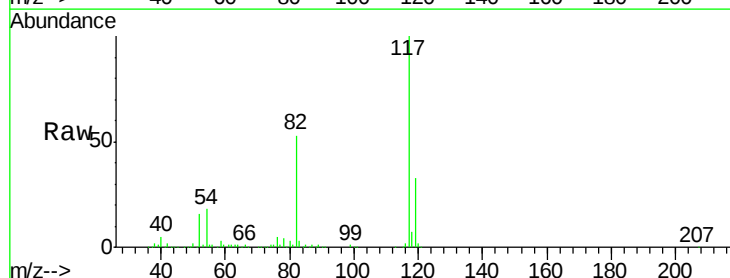
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-C

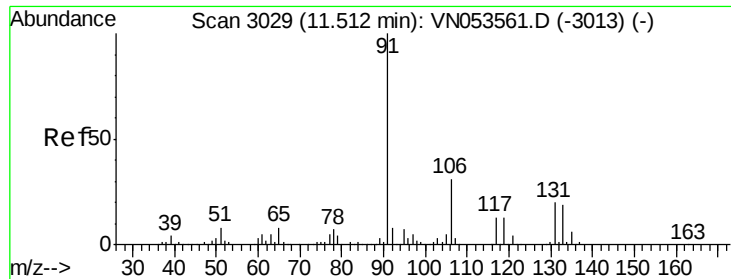
Tot Ion: 95 Resp: 558188
Ion Ratio Lower Upper
95 100
174 92.7 0.0 183.2
176 89.8 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

Tgt Ion: 117 Resp: 1225174
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.7 26.0 39.0

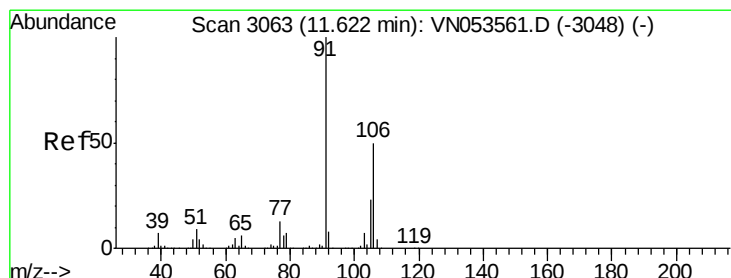
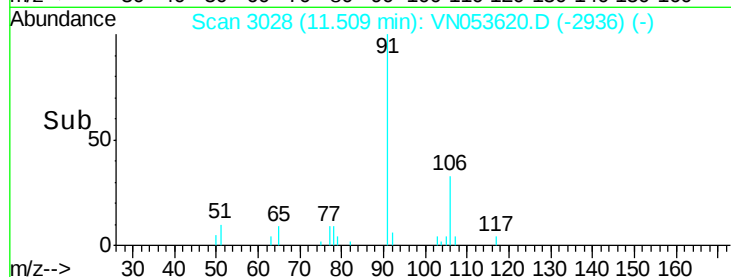
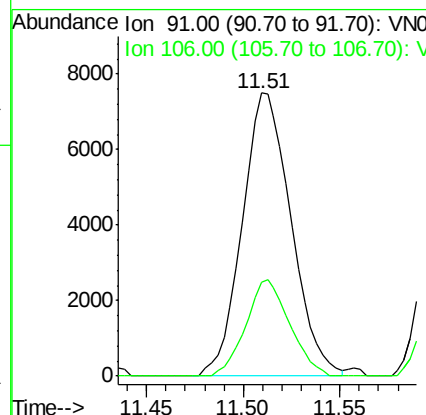
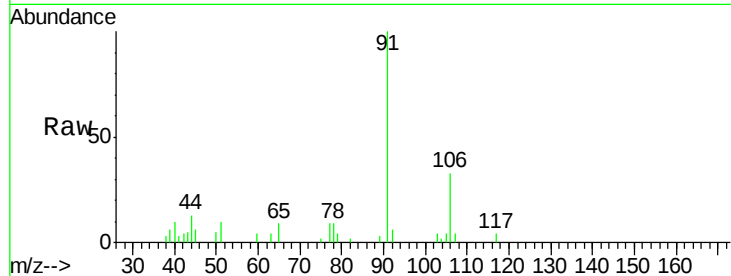




#67
Ethyl Benzene
Concen: 0.308 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

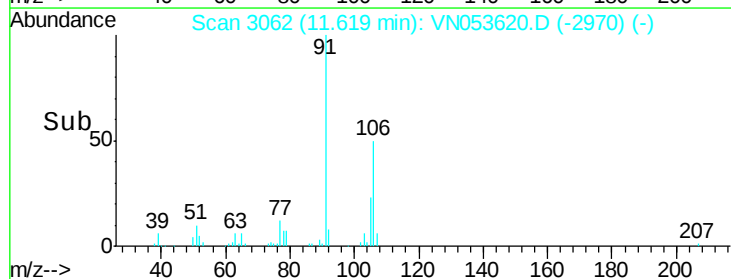
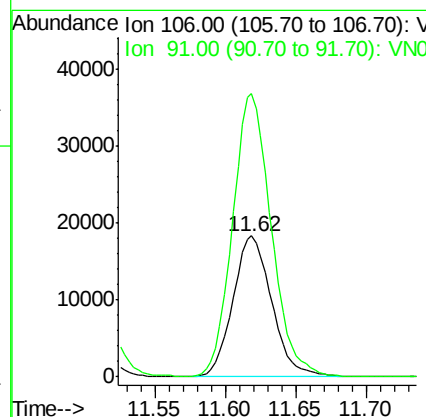
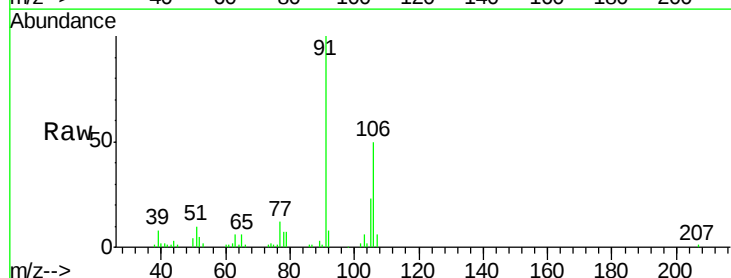
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-C

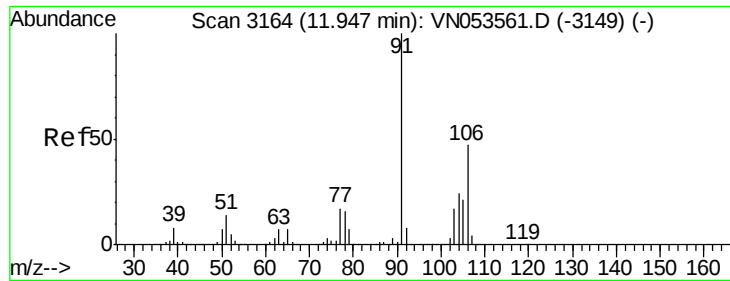
Tot Ion: 91 Resp: 13187
Ion Ratio Lower Upper
91 100
106 33.4 25.0 37.6



#68
m/p-Xylenes
Concen: 2.160 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

Tgt Ion: 106 Resp: 35240
Ion Ratio Lower Upper
106 100
91 200.1 161.4 242.2

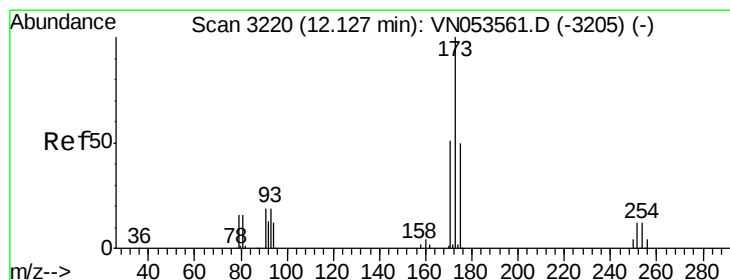
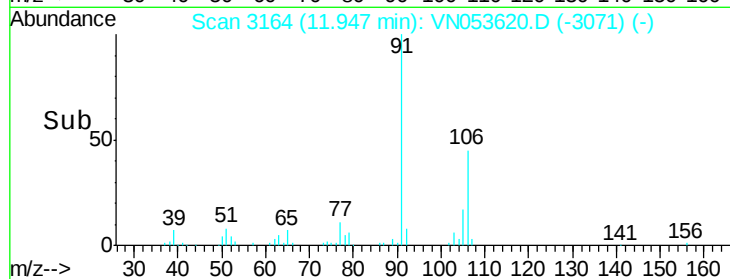
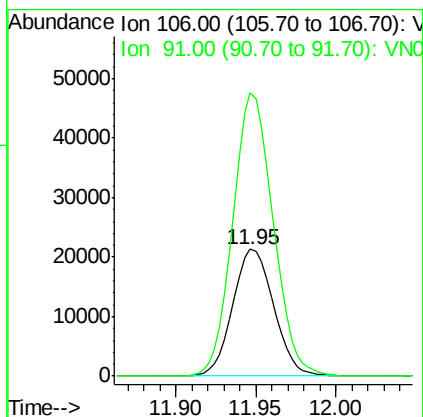
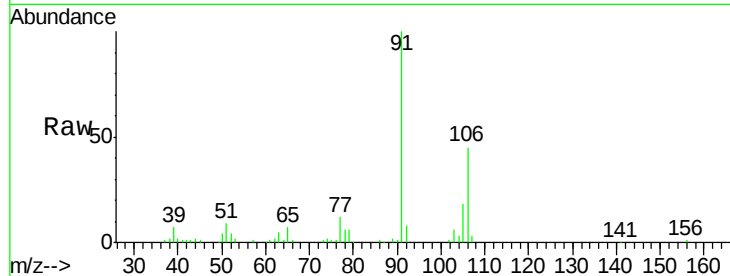




#69
o-Xylene
Concen: 2.357 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

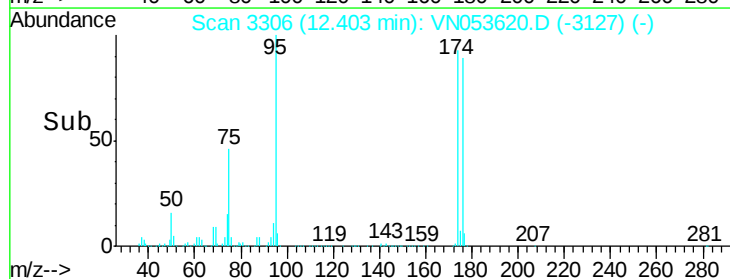
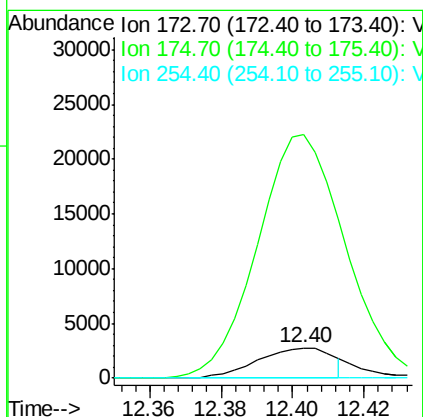
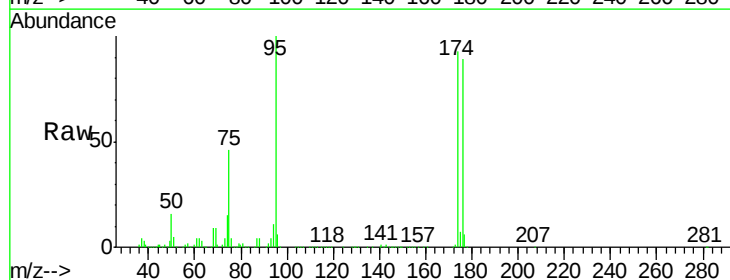
Instrument :
MSVOA_N
ClientSampled :
HR-05-020419-C

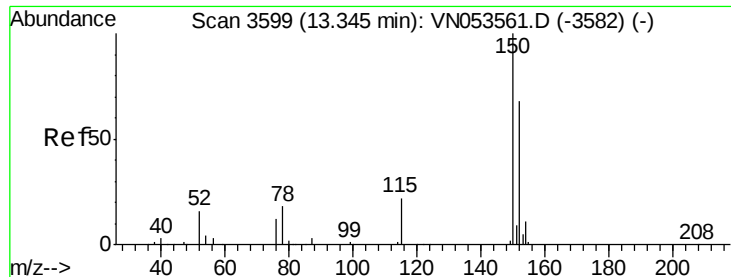
Tot Ion:106 Resp: 37154
Ion Ratio Lower Upper
106 100
91 220.0 106.9 320.8



#71
Bromoform
Concen: 0.636 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053620.D
Acq: 5 Feb 2019 15:23

Tgt Ion:173 Resp: 3961
Ion Ratio Lower Upper
173 100
175 807.8 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampled :

HR-05-020419-C

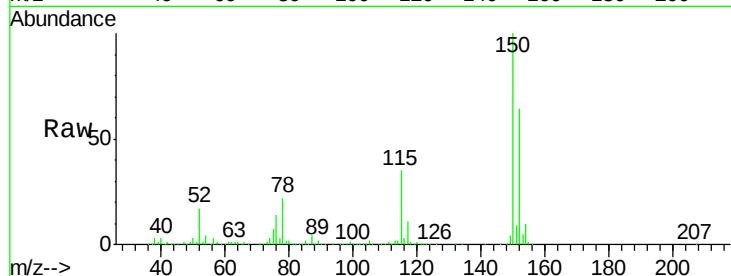
Tot Ion:152 Resp: 566022

Ion Ratio Lower Upper

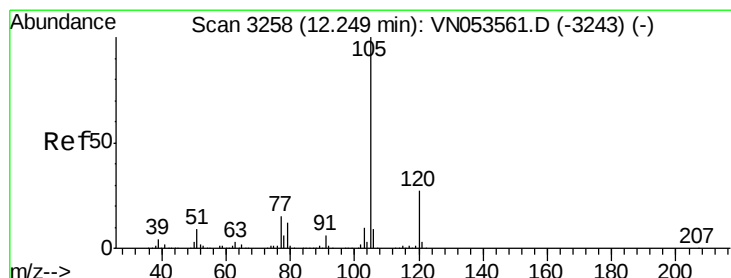
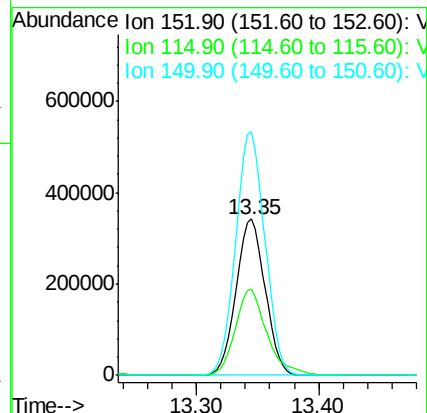
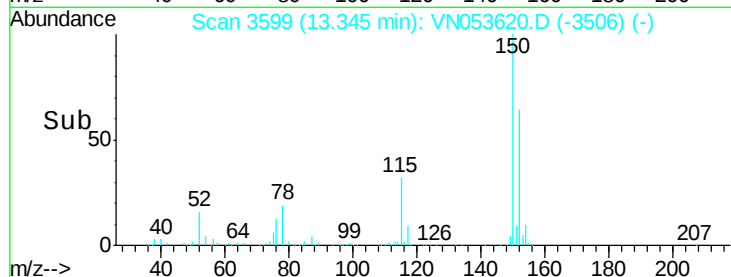
152 100

115 59.7 27.8 83.4

150 157.7 0.0 349.0



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: 0.453 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053620.D

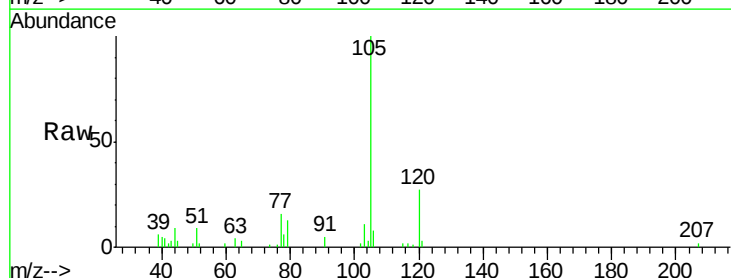
Acq: 5 Feb 2019 15:23

Tgt Ion:105 Resp: 18006

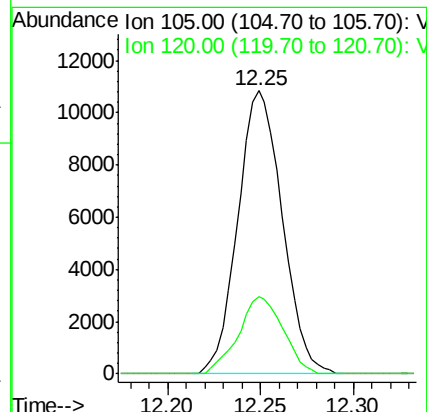
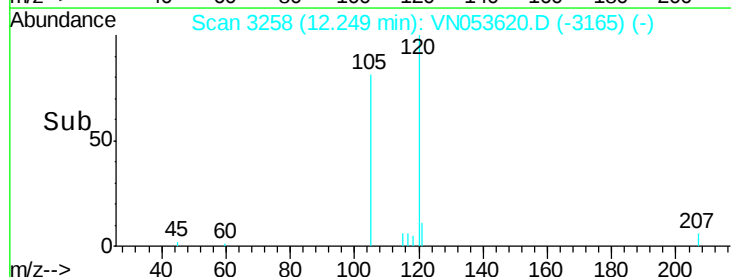
Ion Ratio Lower Upper

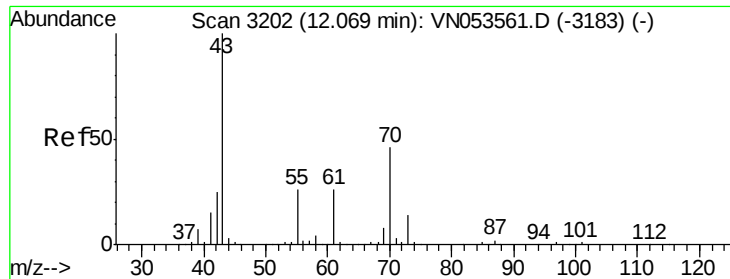
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.165 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-C

Tot Ion: 43 Resp: 20719

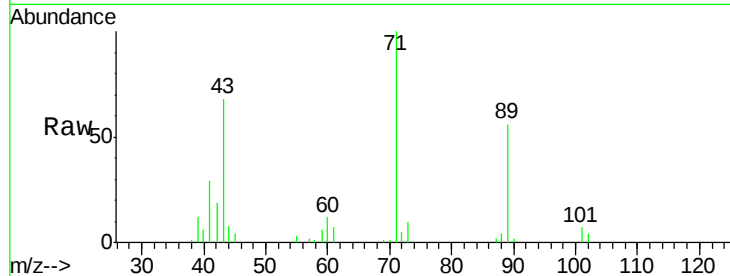
Ion Ratio Lower Upper

43 100

70 2.3 35.4 53.2#

55 4.4 20.9 31.3#

61 10.4 20.5 30.7#

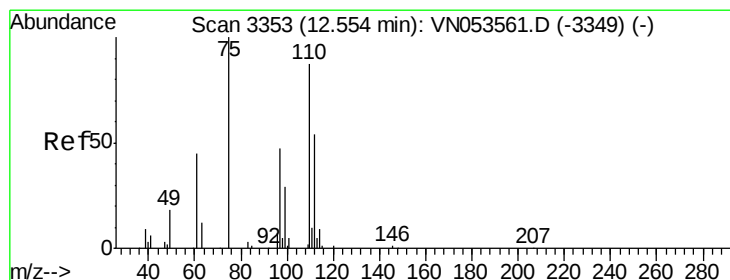
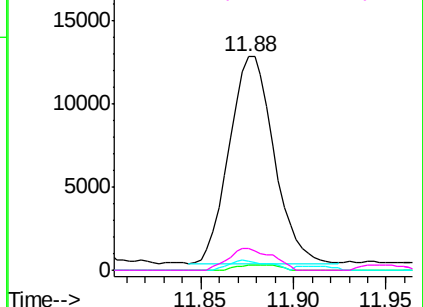
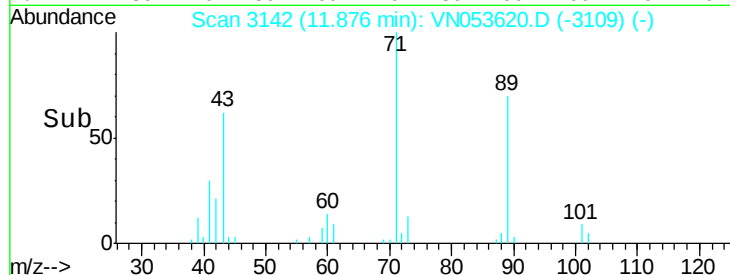


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 35.477 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053620.D

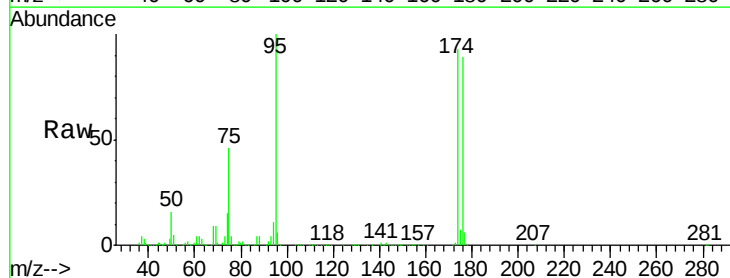
Acq: 5 Feb 2019 15:23

Tgt Ion: 75 Resp: 257923

Ion Ratio Lower Upper

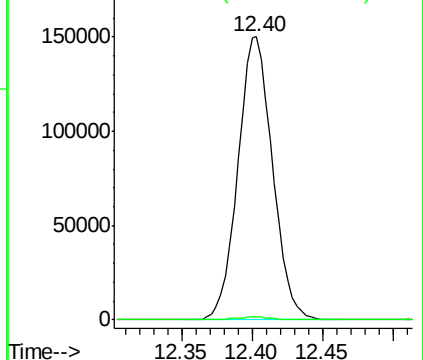
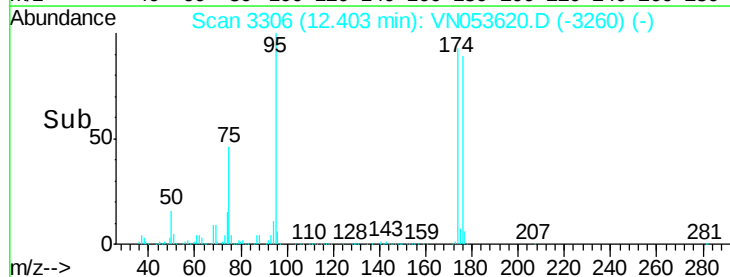
75 100

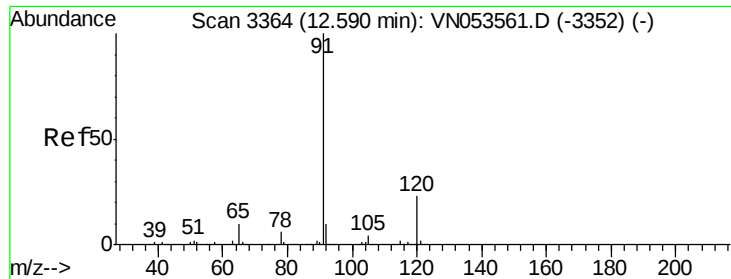
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 1.339 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

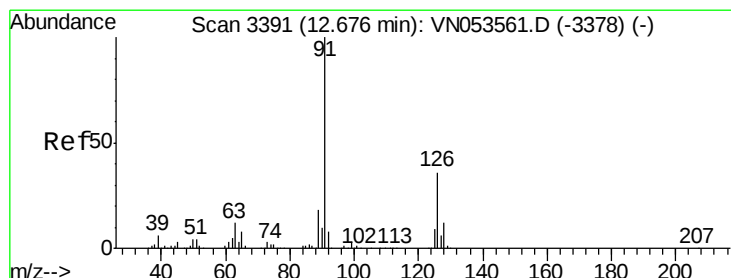
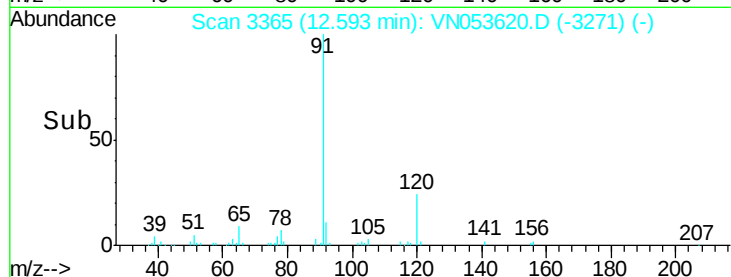
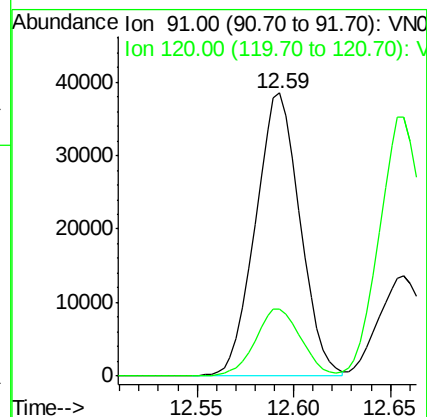
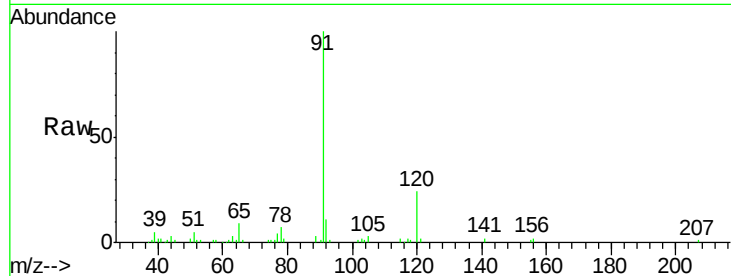
HR-05-020419-C

Tot Ion: 91 Resp: 61584

Ion Ratio Lower Upper

91 100

120 24.4 11.9 35.5



#79

2-Chlorotoluene

Concen: 0.812 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053620.D

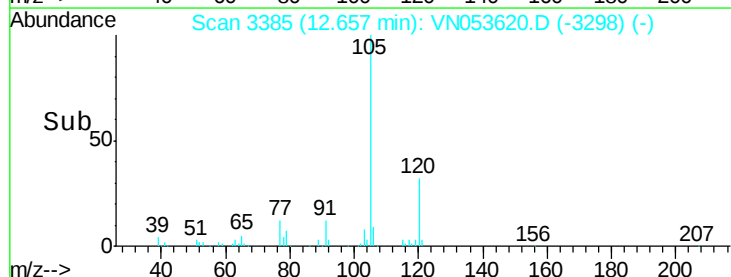
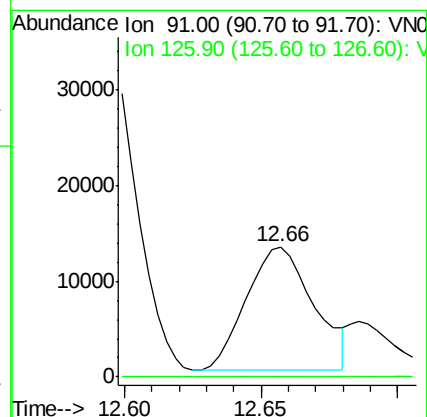
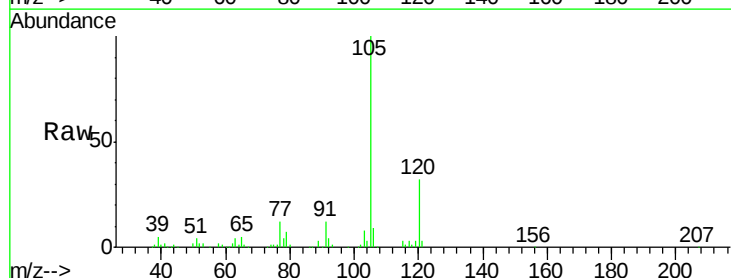
Acq: 5 Feb 2019 15:23

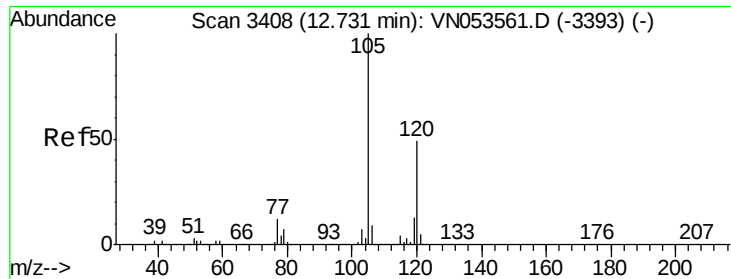
Tgt Ion: 91 Resp: 22155

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#

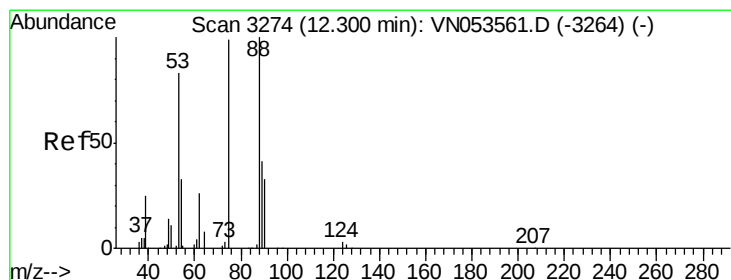
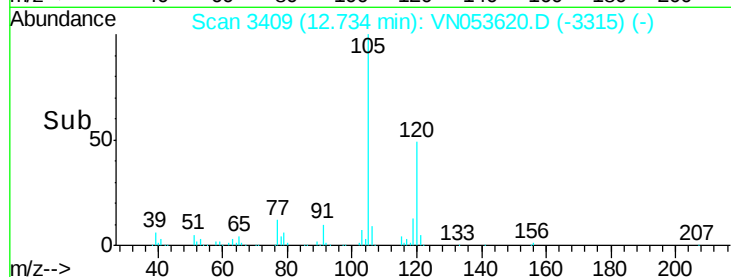
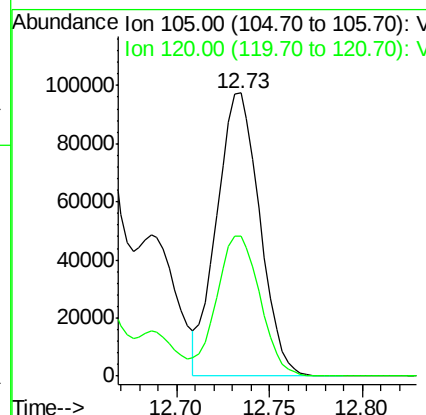
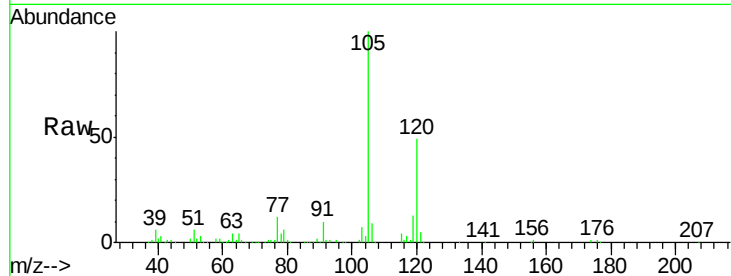




#80
 1,3,5-Trimethylbenzene
 Concen: 4.760 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

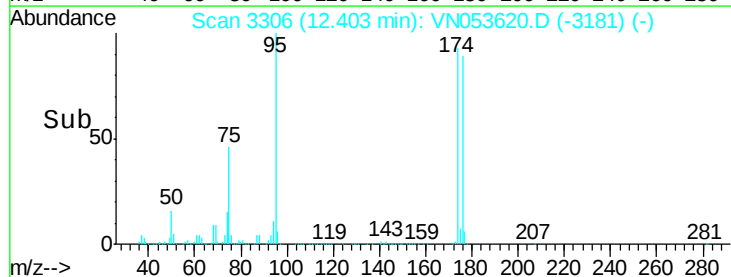
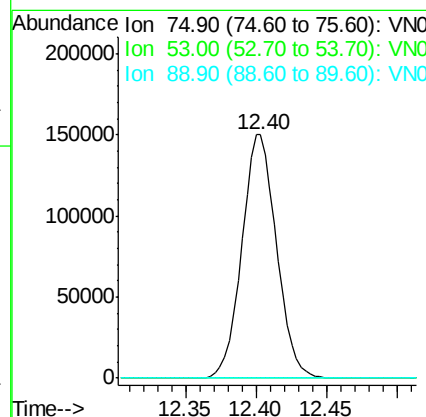
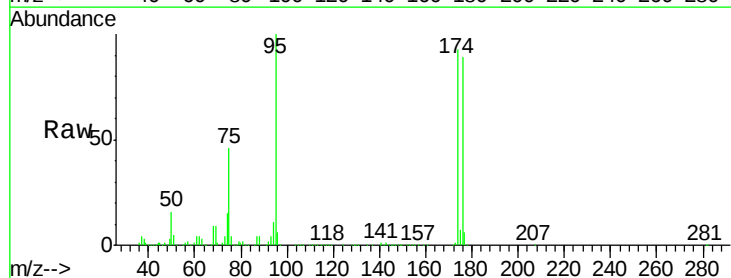
Instrument :
 MSVOA_N
 ClientSampled :
 HR-05-020419-C

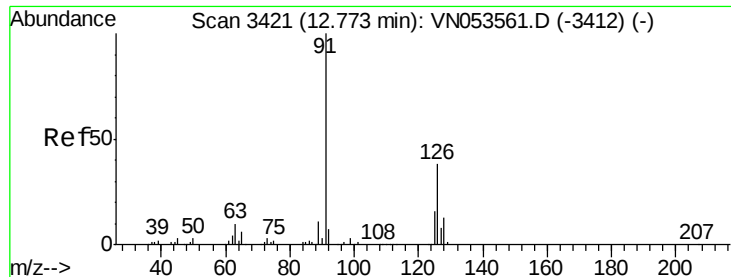
Tot Ion:105 Resp: 157067
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.758 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

Tgt Ion: 75 Resp: 257923
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.6#
 89 0.0 35.6 53.4#





#82

4-Chlorotoluene

Concen: 0.549 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

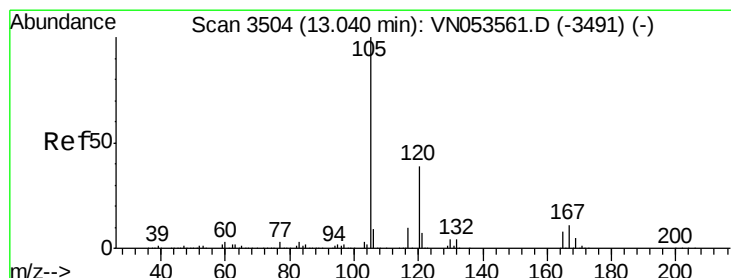
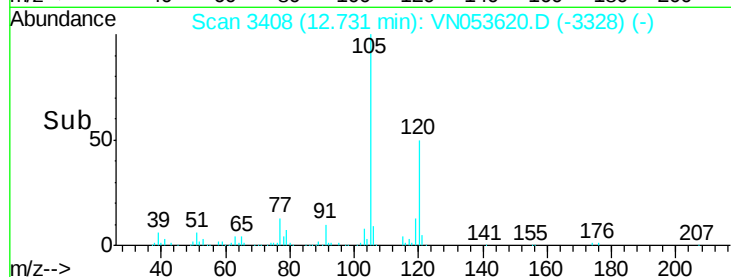
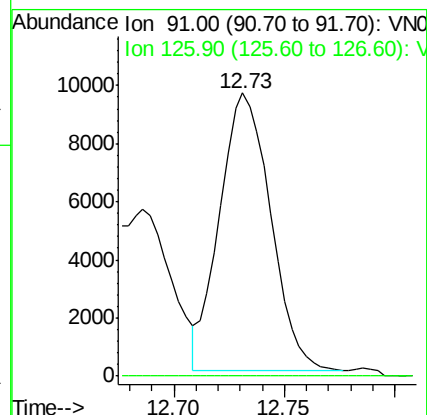
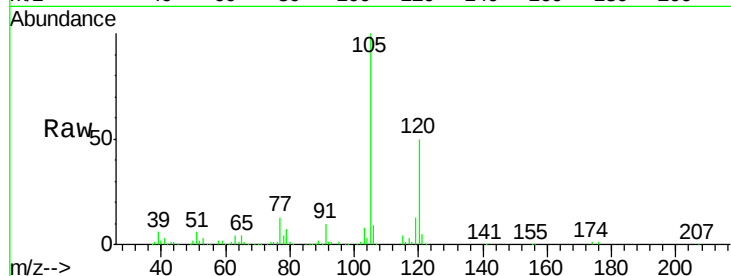
HR-05-020419-C

Tot Ion: 91 Resp: 15386

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



#84

1,2,4-Trimethylbenzene

Concen: 21.964 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053620.D

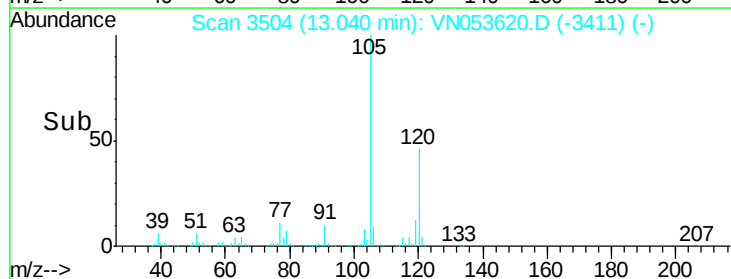
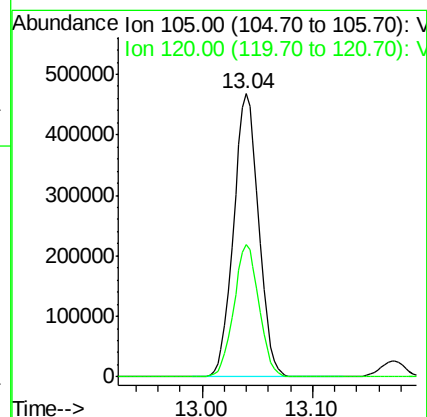
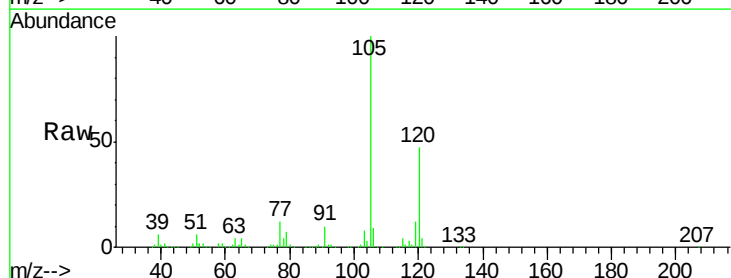
Acq: 5 Feb 2019 15:23

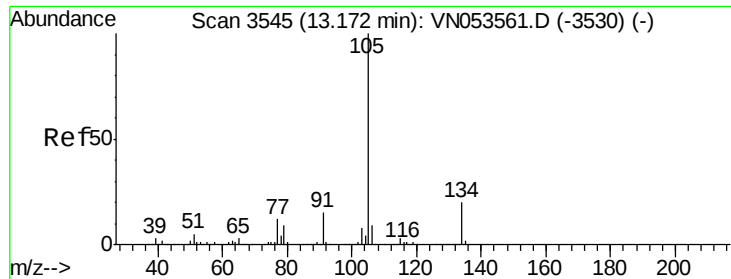
Tgt Ion: 105 Resp: 738374

Ion Ratio Lower Upper

105 100

120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 1.076 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

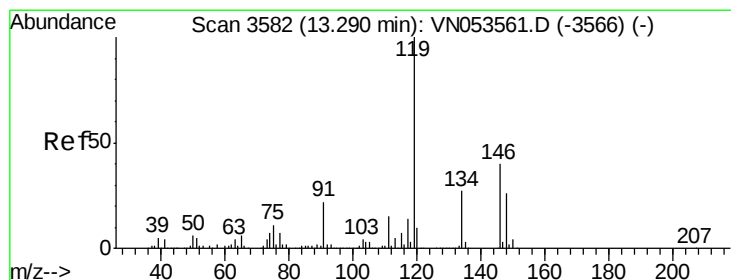
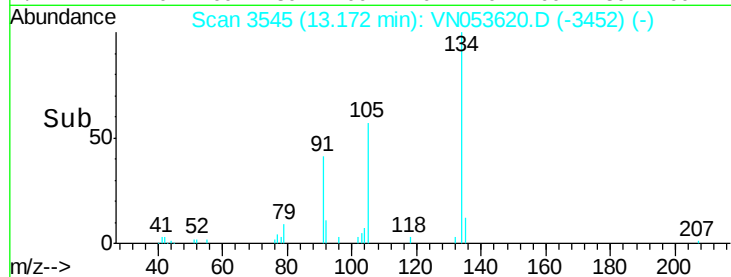
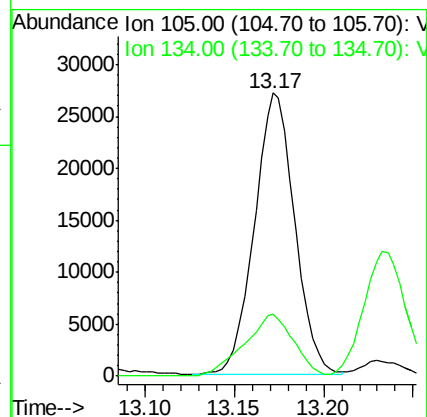
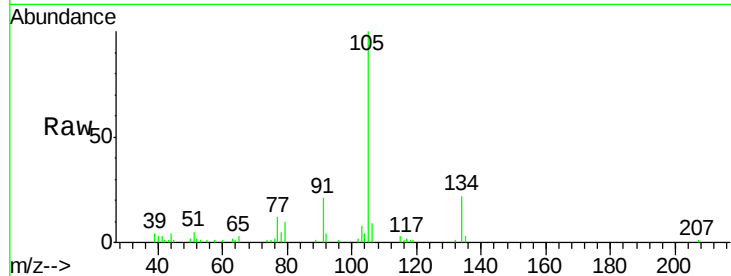
HR-05-020419-C

Tot Ion:105 Resp: 42716

Ion Ratio Lower Upper

105 100

134 26.9 10.2 30.6



#86

p-Isopropyltoluene

Concen: 1.395 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

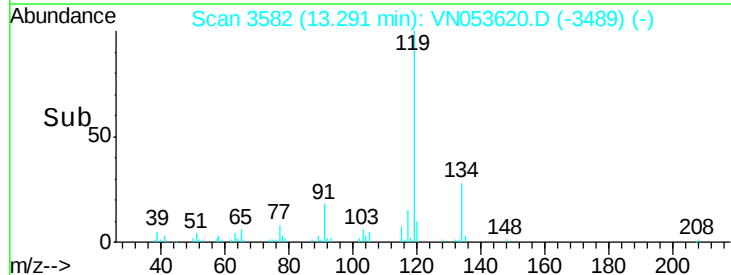
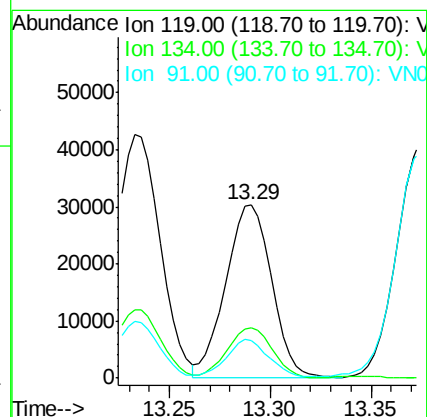
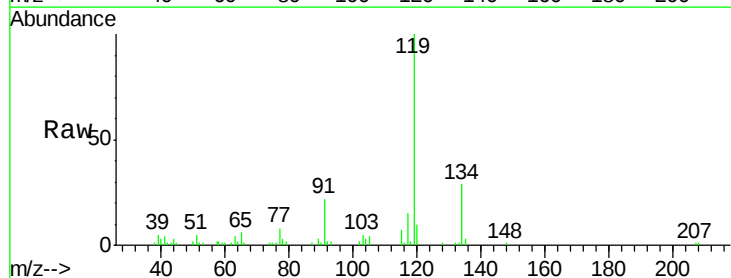
Tgt Ion:119 Resp: 48419

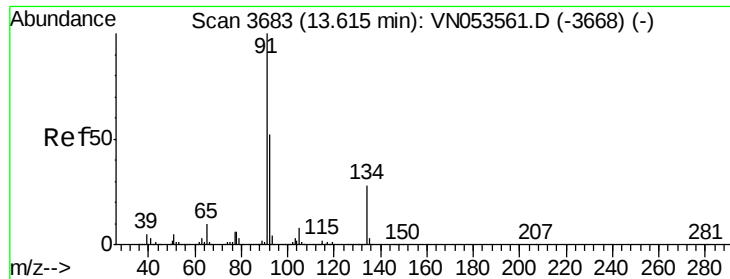
Ion Ratio Lower Upper

119 100

134 28.6 13.5 40.4

91 19.6 11.0 33.0





#89

n-Butylbenzene

Concen: 1.416 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053620.D

Acq: 5 Feb 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-C

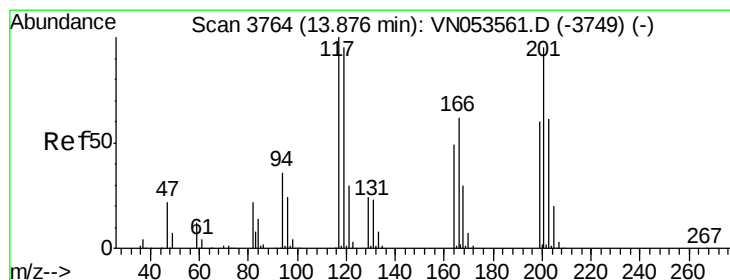
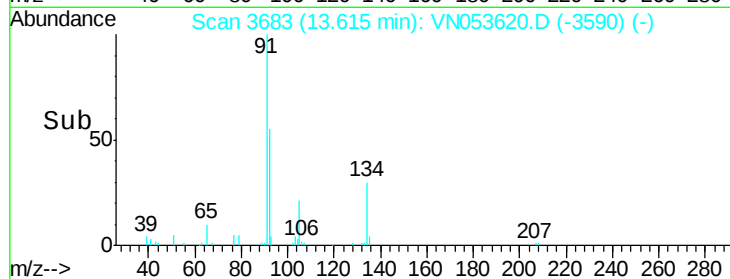
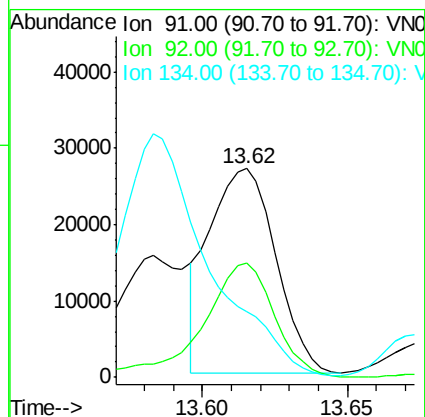
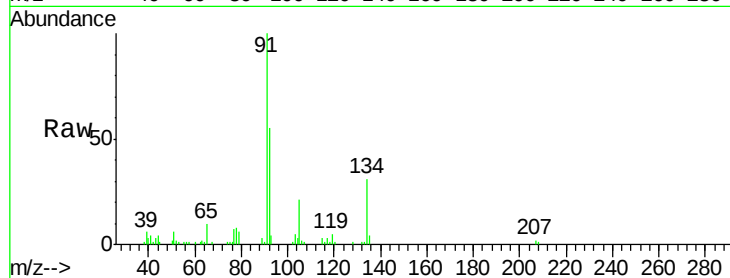
Tot Ion: 91 Resp: 42546

Ion Ratio Lower Upper

91 100

92 60.1 26.3 78.8

134 0.0 13.5 40.5#



#90

Hexachloroethane

Concen: 2.395 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053620.D

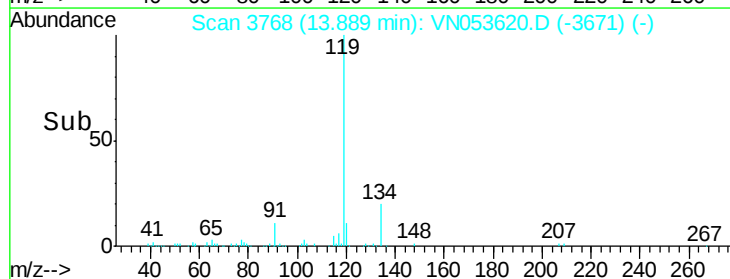
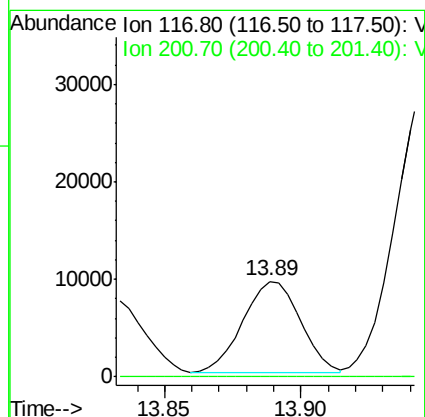
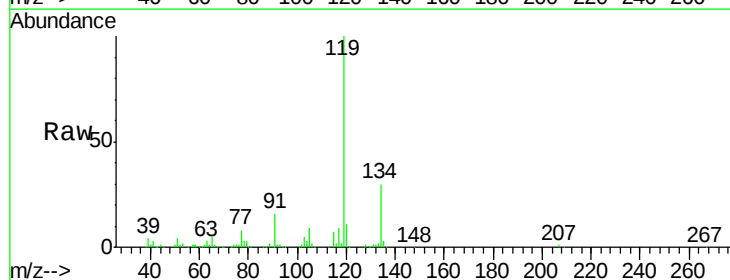
Acq: 5 Feb 2019 15:23

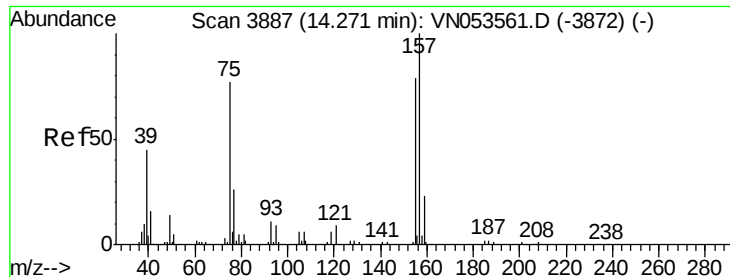
Tgt Ion: 117 Resp: 13709

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.4#

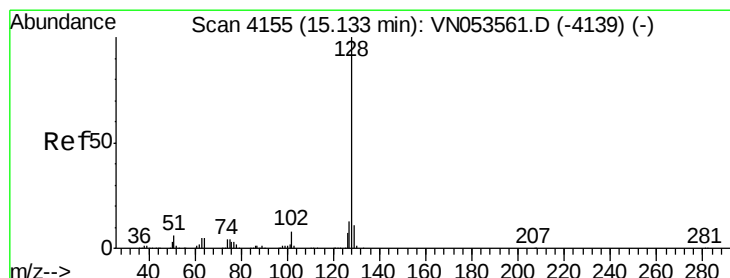
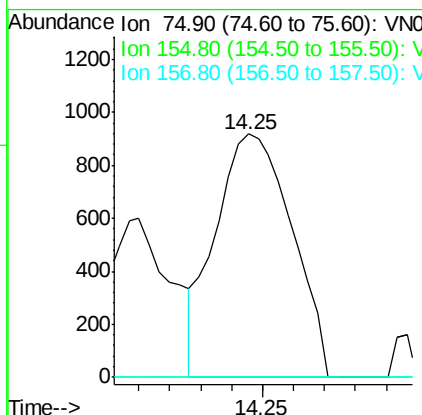
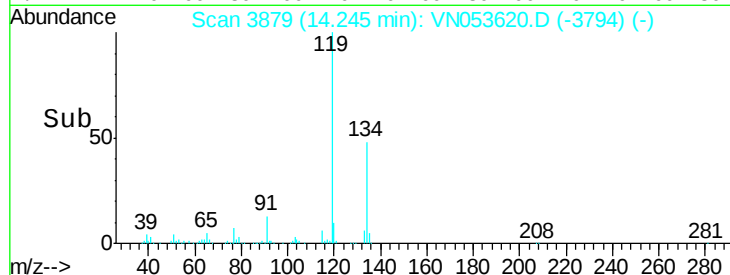
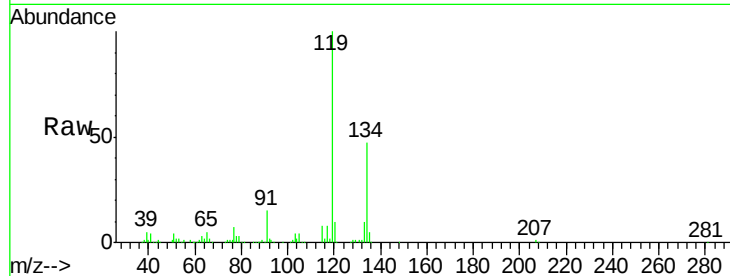




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.161 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.03 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-020419-C

Tot Ion: 75 Resp: 1576
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.3#



#95
 Naphthalene
 Concen: 20.759 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053620.D
 Acq: 5 Feb 2019 15:23

Tgt Ion: 128 Resp: 489995
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.7 8.6 13.0

