

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053619.D
 Acq On : 5 Feb 2019 14:56
 Operator : JC/SP
 Sample : K1341-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

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

Quant Time: Feb 06 03:32:42 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	814073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1310915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1188419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	522880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	415136	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	406329	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	10.09	98	1575857	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.40	95	531534	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
13) Acrolein	3.62	56	239	0.908	ug/l #	77
14) Allyl chloride	4.55	41	99335	8.276	ug/l #	27
16) Acetone	3.81	43	35385	16.892	ug/l	98
18) Methyl Acetate	4.34	43	2865	0.462	ug/l #	75
20) Methylene Chloride	4.55	84	2726361	310.220	ug/l	99
25) 2-Butanone	6.85	43	6676	2.235	ug/l	96
29) Tetrahydrofuran	7.22	42	1728	0.901	ug/l #	62
30) Chloroform	7.37	83	2958	0.201	ug/l	90
31) Cyclohexane	7.67	56	11727	0.682	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47193	3.994	ug/l #	50
38) Carbon Tetrachloride	7.67	117	65604	5.511	ug/l #	17
41) Methacrylonitrile	7.22	41	901	0.244	ug/l #	26
43) Isopropyl Acetate	8.17	43	44302	3.476	ug/l #	76
45) 1,2-Dichloropropane	9.27	63	1983	0.213	ug/l #	43
48) Methyl methacrylate	9.18	41	11140	1.831	ug/l #	24
51) 4-Methyl-2-Pentanone	10.02	43	9193	1.468	ug/l #	34
52) Toluene	10.16	92	12062	0.558	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	78991	5.698	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	15009	1.127	ug/l #	43
59) 2-Hexanone	10.77	43	190650	44.838	ug/l #	50
67) Ethyl Benzene	11.51	91	13346	0.322	ug/l	94
68) m/p-Xylenes	11.62	106	29834	1.885	ug/l	98
69) o-Xylene	11.95	106	29053	1.900	ug/l	99
71) Bromoform	12.41	173	3714	0.614	ug/l #	1
73) Isopropylbenzene	12.25	105	13148	0.358	ug/l	92
76) 1,2,3-Trichloropropane	12.40	75	246149	36.651	ug/l #	100
78) n-propylbenzene	12.59	91	38024	0.895	ug/l	100
79) 2-Chlorotoluene	12.66	91	20300	0.805	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	102316	3.357	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	246149	103.059	ug/l #	15
82) 4-Chlorotoluene	12.73	91	10122	0.391	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.04	105	431784	13.904	ug/l	100
85) sec-Butylbenzene	13.17	105	21278	0.580	ug/l	84
86) p-Isopropyltoluene	13.29	119	22462	0.701	ug/l	97

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

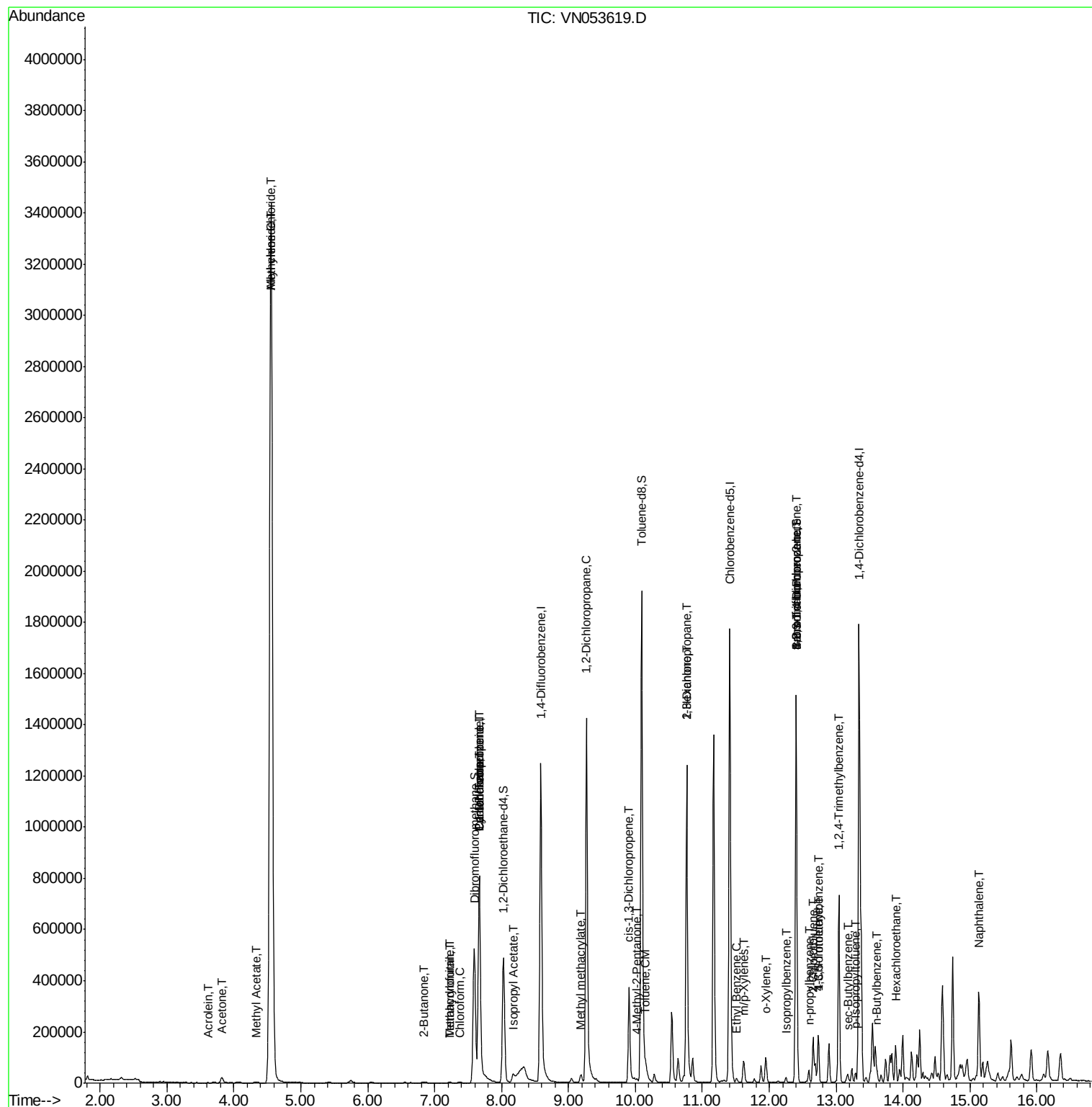
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	19493	0.702	ug/l #	75
90) Hexachloroethane	13.89	117	7516	1.421	ug/l #	3
95) Naphthalene	15.13	128	318526	15.122	ug/l	99

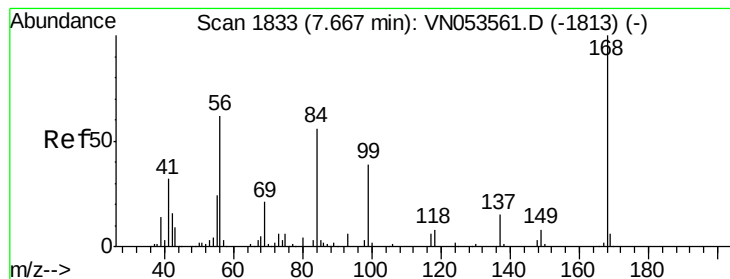
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

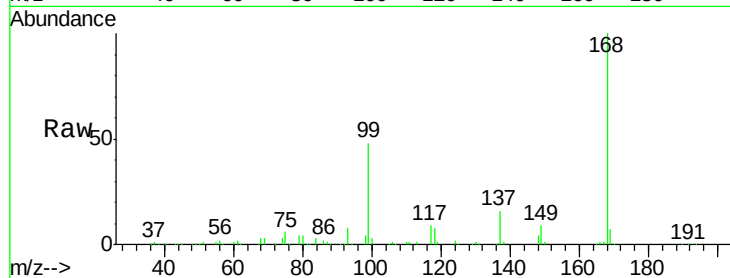
HR-05-020419-B

Tot Ion:168 Resp: 814073

Ion Ratio Lower Upper

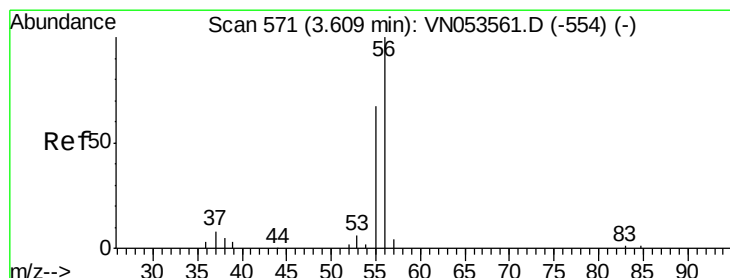
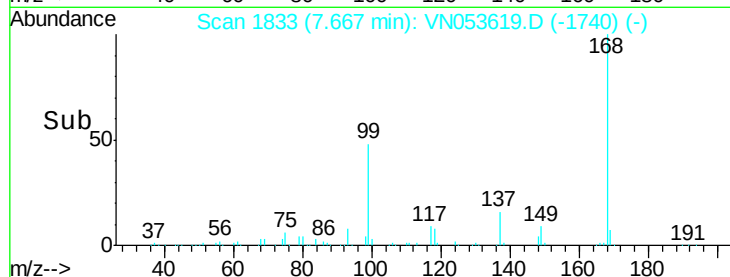
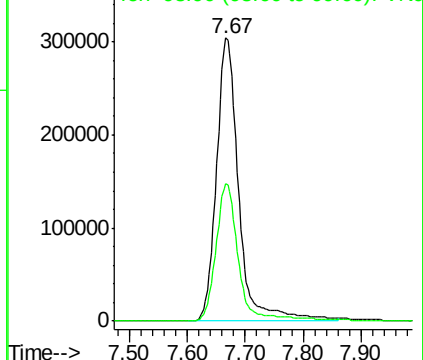
168 100

99 48.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.908 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053619.D

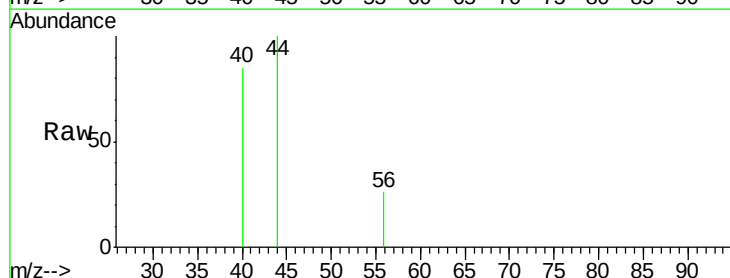
Acq: 5 Feb 2019 14:56

Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

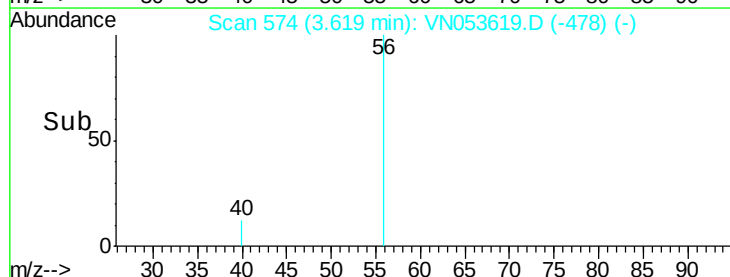
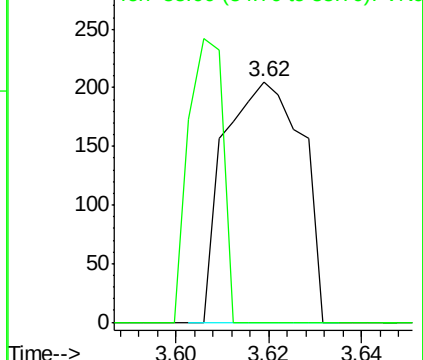
56 100

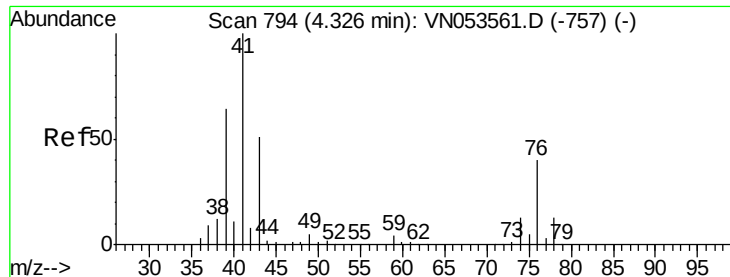
55 52.3 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

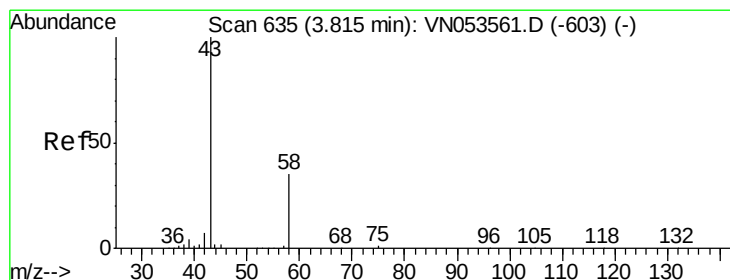
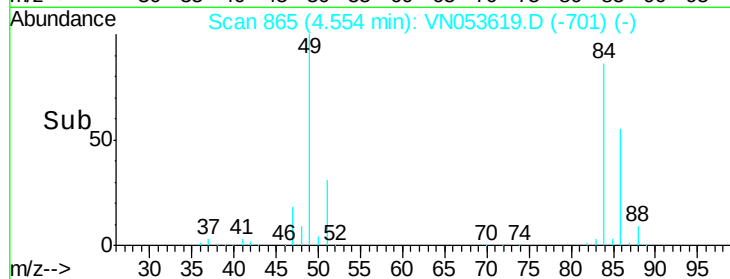
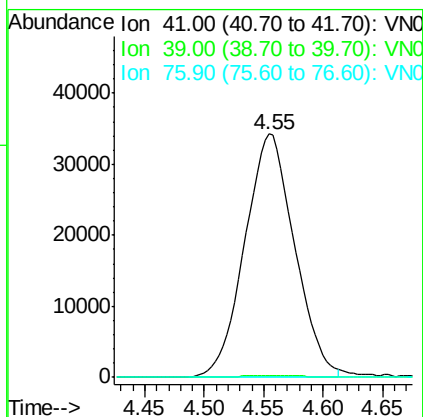
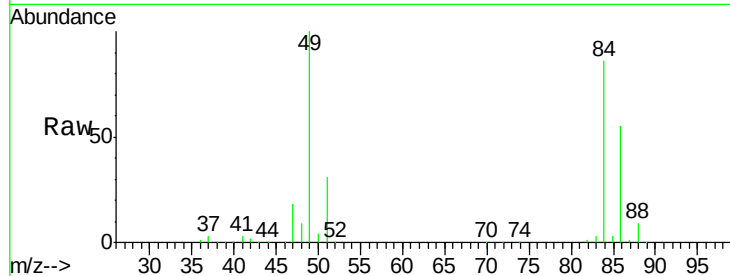




#14
Allvl chloride
Concen: 8.276 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

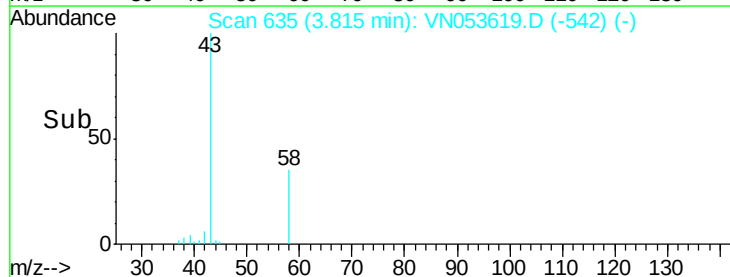
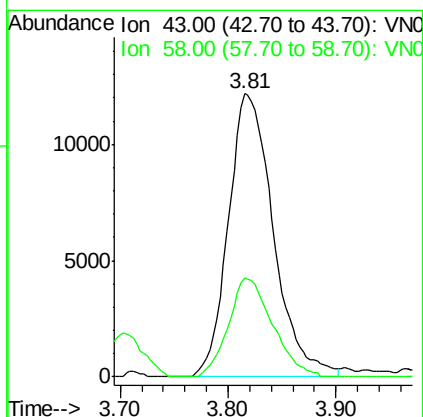
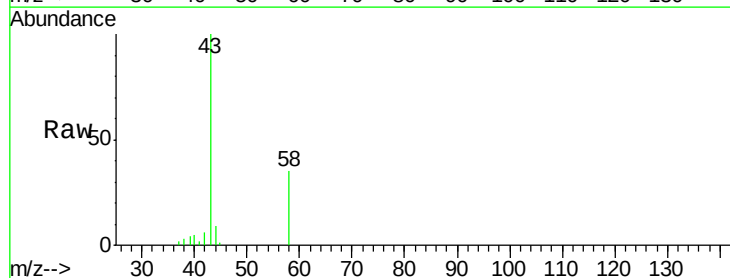
Instrument :
MSVOA_N
ClientSampled :
HR-05-020419-B

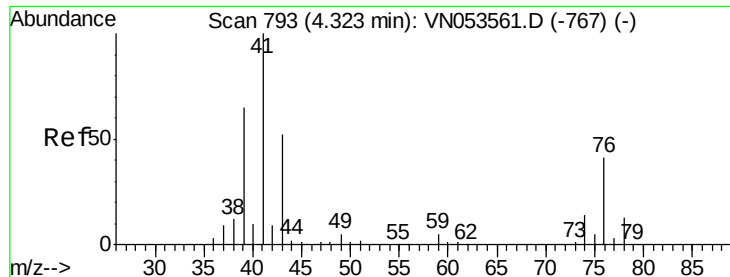
Tot Ion: 41 Resp: 99335
Ion Ratio Lower Upper
41 100
39 0.2 48.9 73.3#
76 0.0 29.4 44.2#



#16
Acetone
Concen: 16.892 ug/l
RT: 3.81 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 43 Resp: 35385
Ion Ratio Lower Upper
43 100
58 34.8 27.1 40.7





#18

Methyl Acetate

Concen: 0.462 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

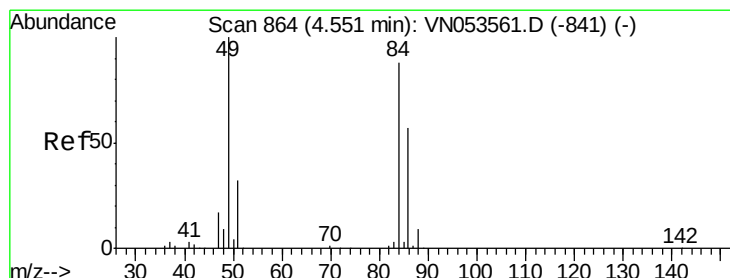
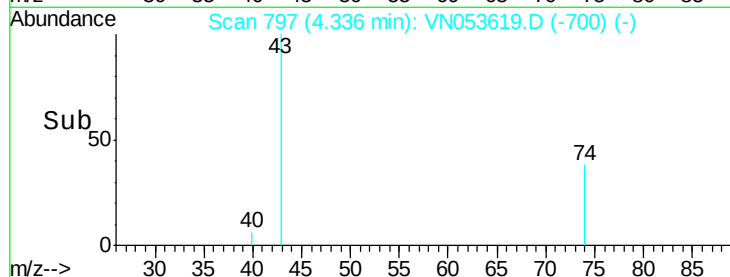
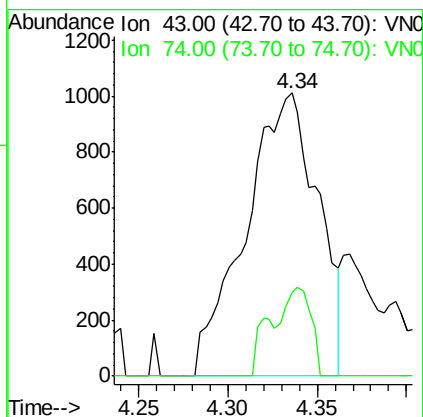
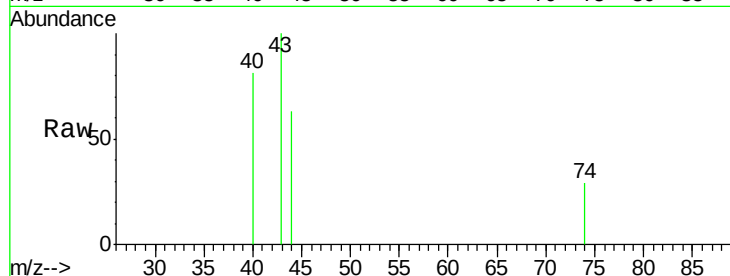
HR-05-020419-B

Tot Ion: 43 Resp: 2865

Ion Ratio Lower Upper

43 100

74 11.9 19.4 29.2#



#20

Methylene Chloride

Concen: 310.220 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Tgt Ion: 84 Resp: 2726361

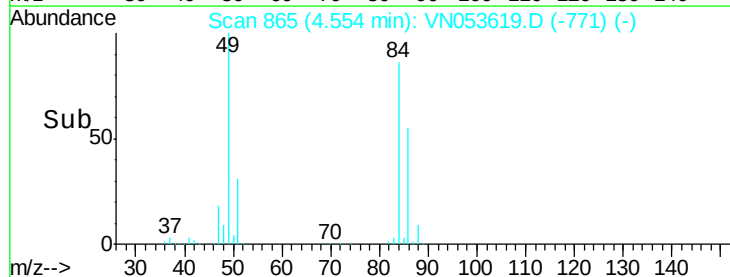
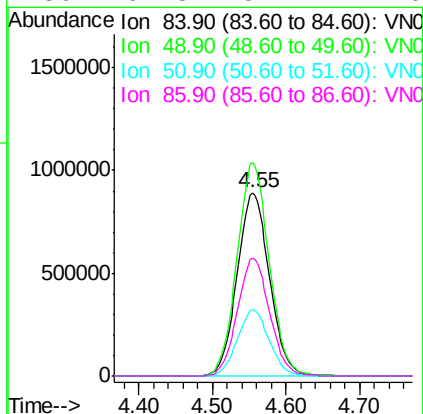
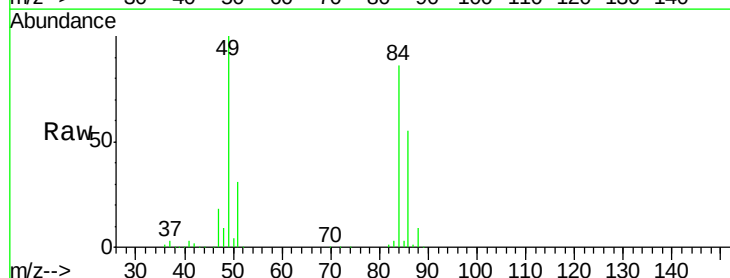
Ion Ratio Lower Upper

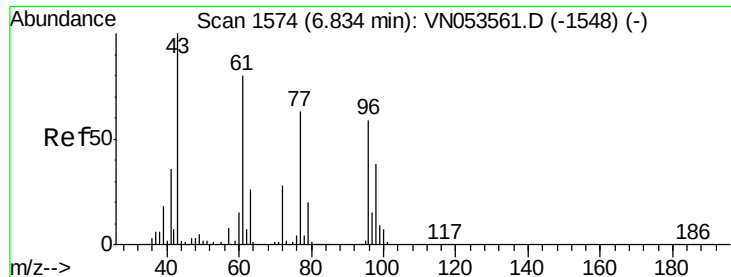
84 100

49 116.4 94.3 141.5

51 36.4 29.4 44.2

86 64.3 51.4 77.0

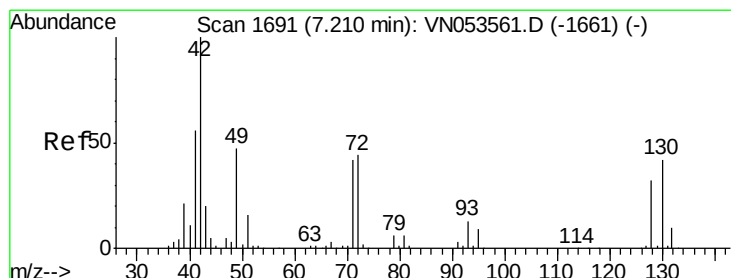
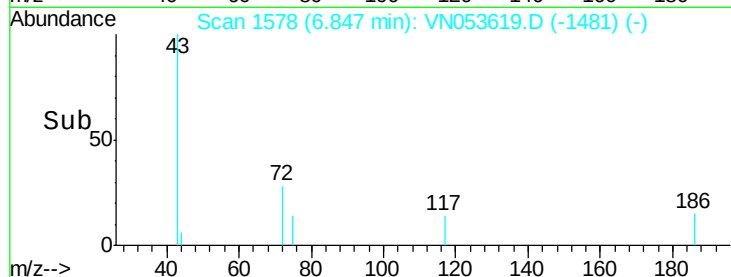
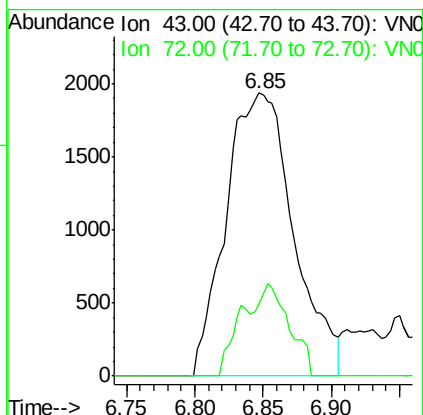
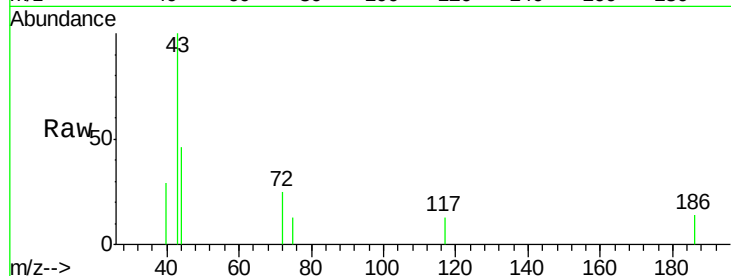




#25
2-Butanone
Concen: 2.235 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

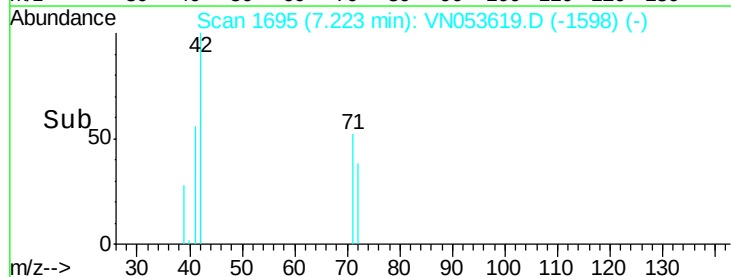
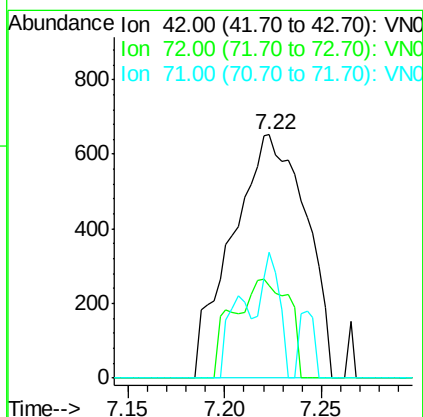
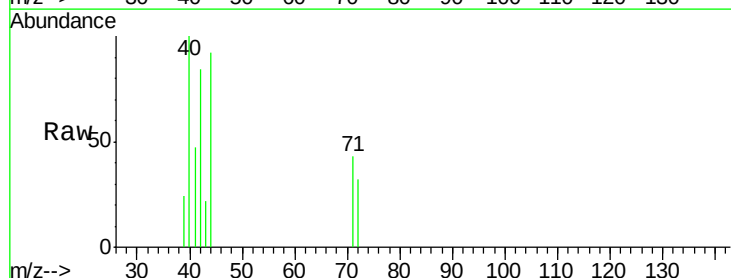
Instrument :
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ClientSampleId :
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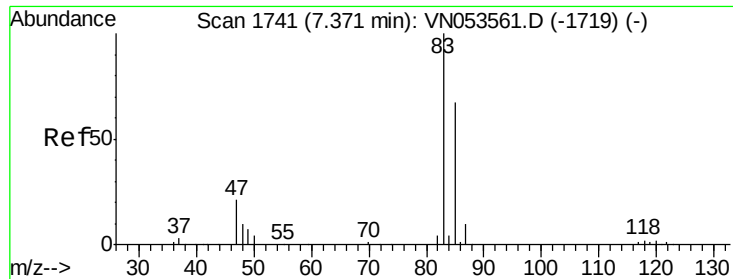
Tot Ion: 43 Resp: 6676
Ion Ratio Lower Upper
43 100
72 25.5 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.901 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 42 Resp: 1728
Ion Ratio Lower Upper
42 100
72 22.7 35.2 52.8#
71 13.8 33.0 49.4#

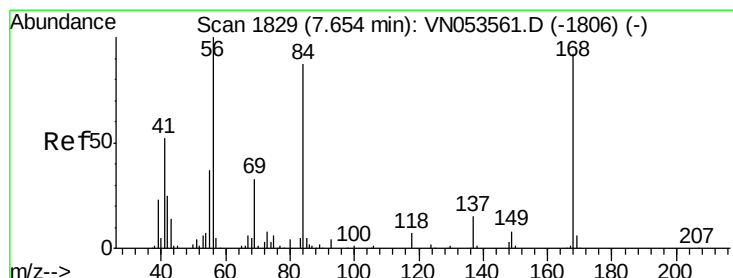
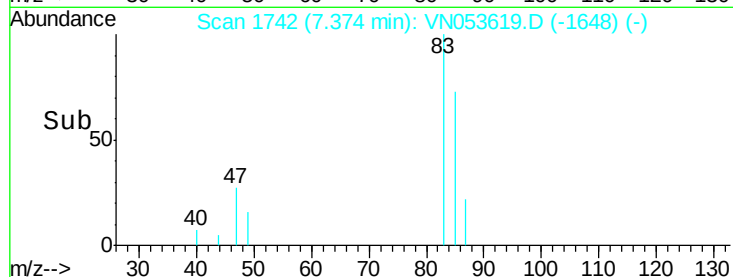
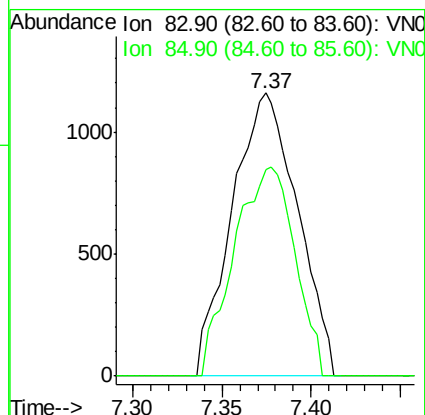
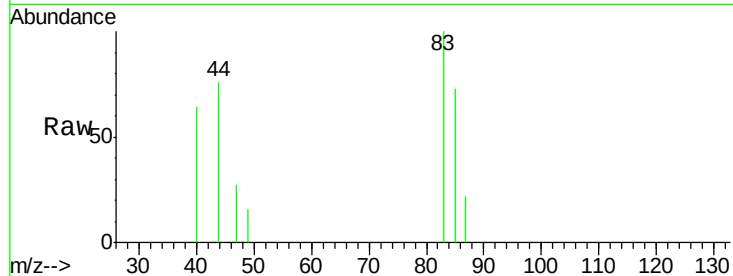




#30
Chloroform
Concen: 0.201 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

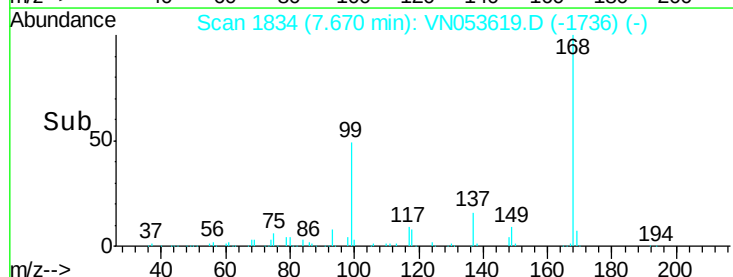
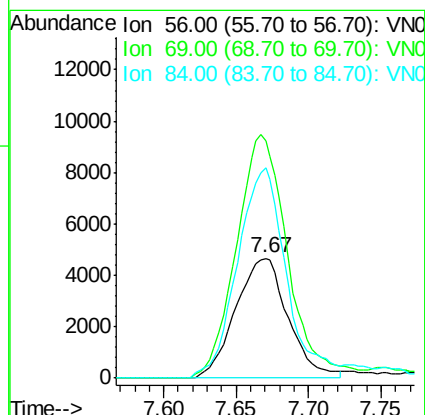
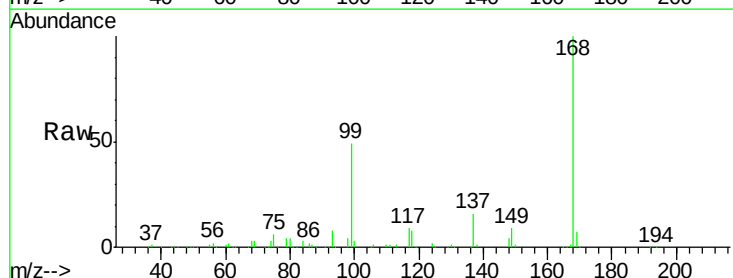
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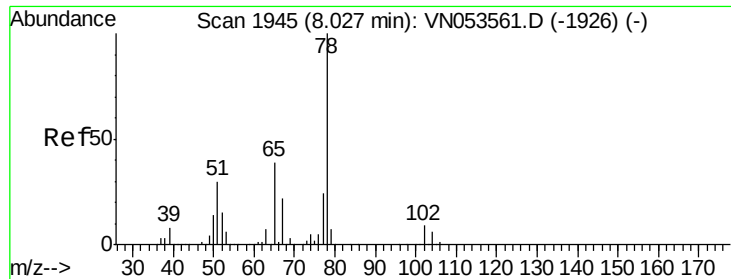
Tot Ion: 83 Resp: 2958
Ion Ratio Lower Upper
83 100
85 73.1 52.2 78.2



#31
Cyclohexane
Concen: 0.682 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 56 Resp: 11727
Ion Ratio Lower Upper
56 100
69 198.2 26.4 39.6#
84 175.2 67.9 101.9#

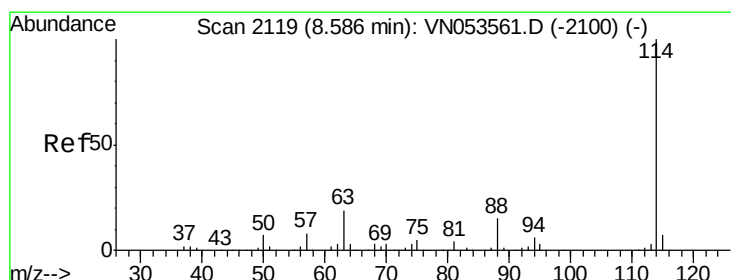
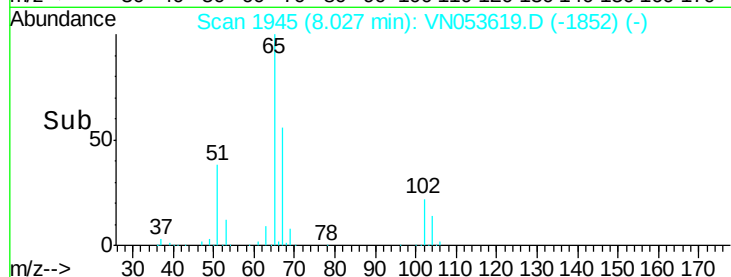
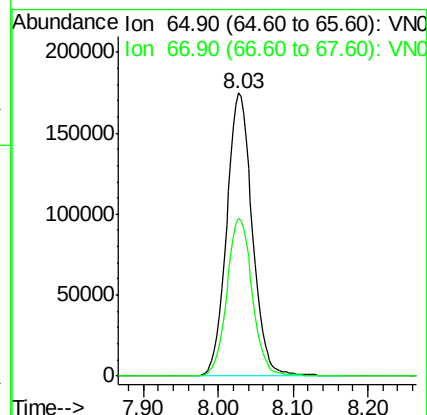
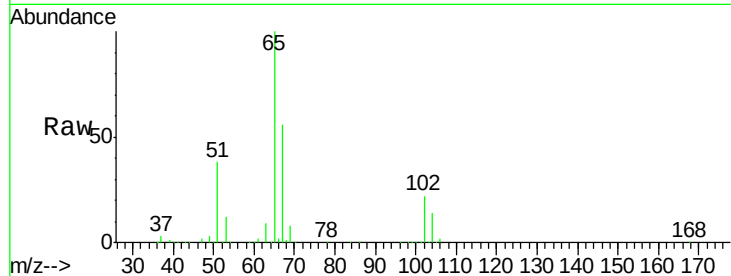




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053619.D
 Acq: 5 Feb 2019 14:56

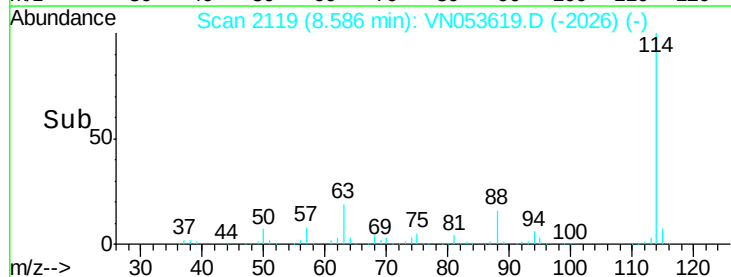
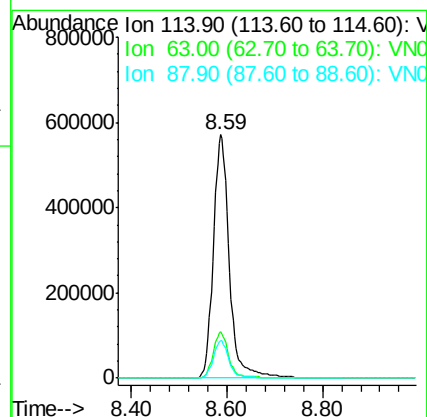
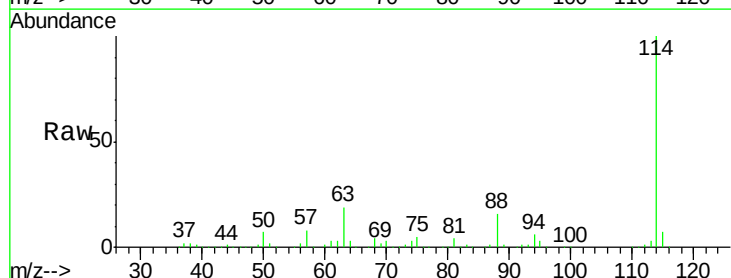
Instrument :
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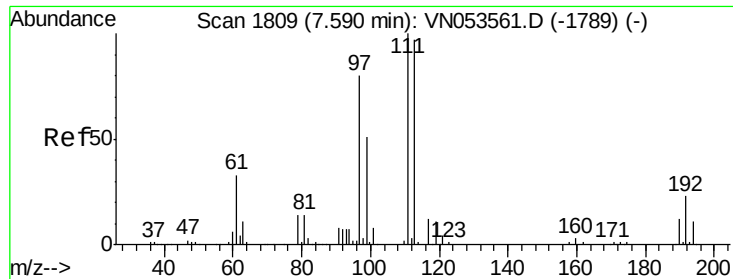
Tot Ion: 65 Resp: 415136
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053619.D
 Acq: 5 Feb 2019 14:56

Tgt Ion: 114 Resp: 1310915
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.6 0.0 30.4

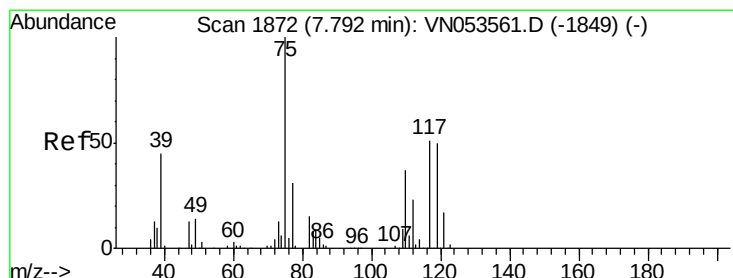
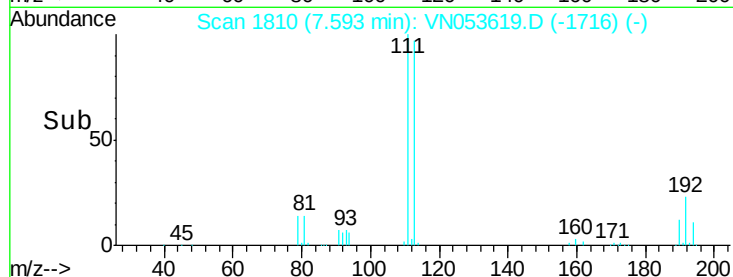
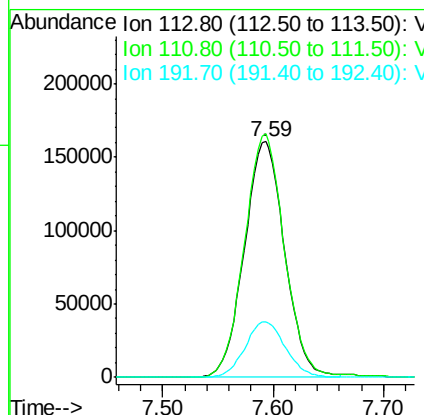
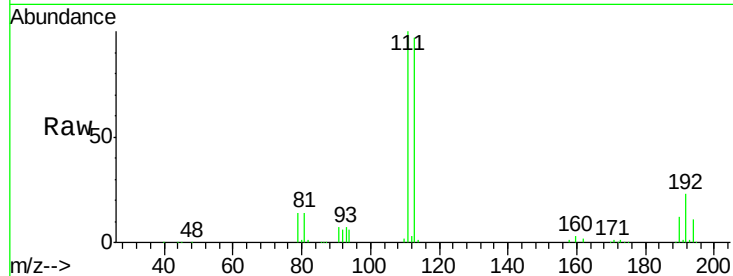




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053619.D
 Acq: 5 Feb 2019 14:56

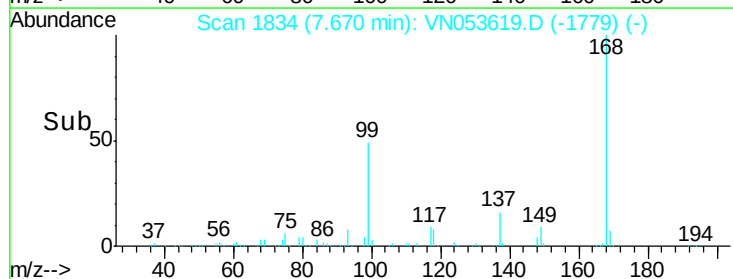
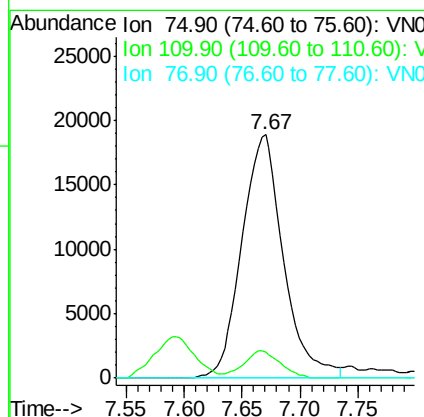
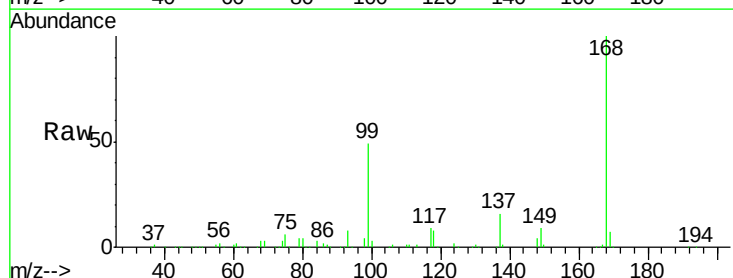
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-020419-B

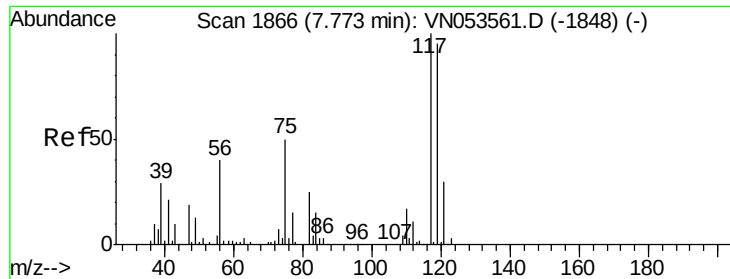
Tot Ion:113 Resp: 406329
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 23.8 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 3.994 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN053619.D
 Acq: 5 Feb 2019 14:56

Tgt Ion: 75 Resp: 47193
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.3#
 77 0.0 25.1 37.7#

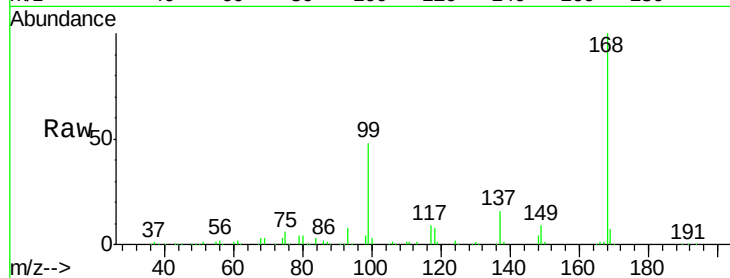




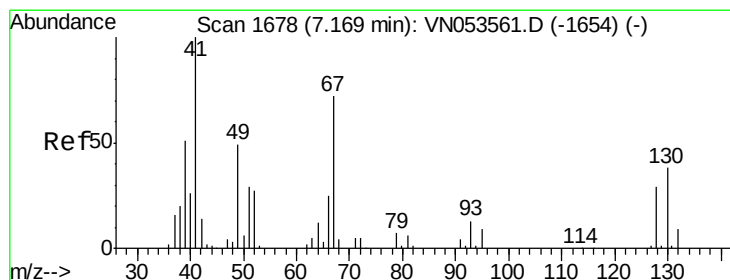
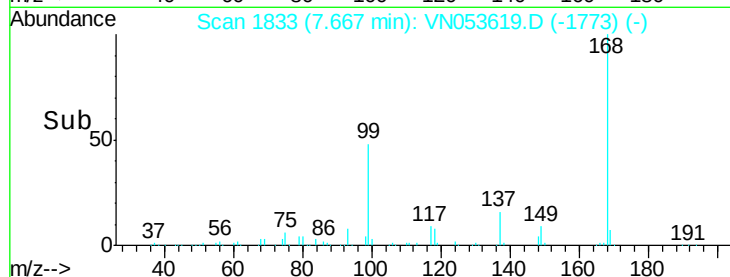
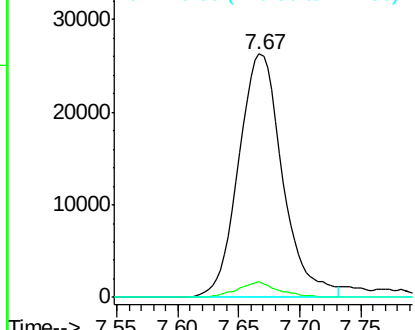
#38
Carbon Tetrachloride
Concen: 5.511 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

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

Tot Ion:117 Resp: 65604
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 24.6 37.0#

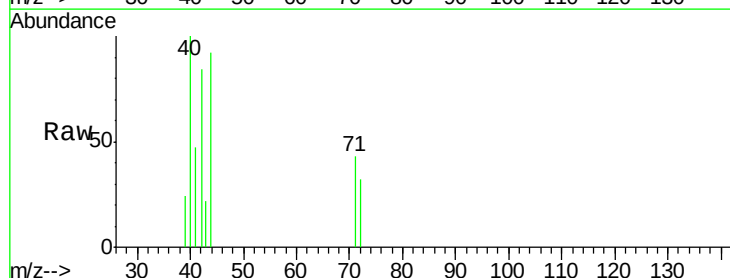


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

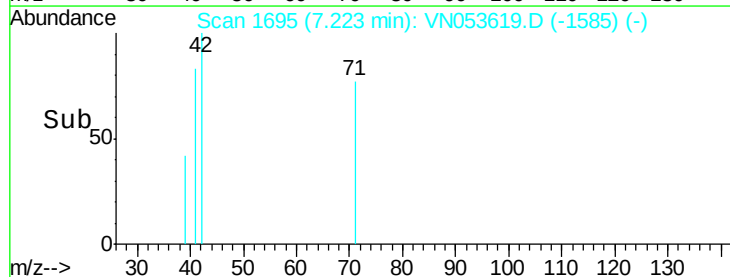
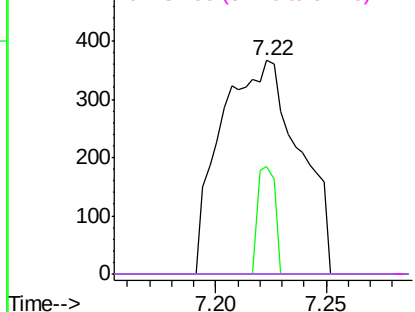


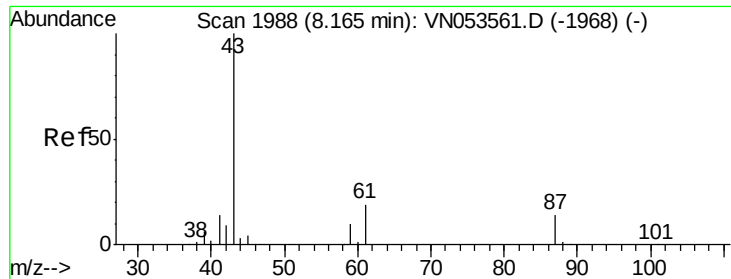
#41
Methacrylonitrile
Concen: 0.244 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.05 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 41 Resp: 901
Ion Ratio Lower Upper
41 100
39 11.2 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): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 3.476 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-B

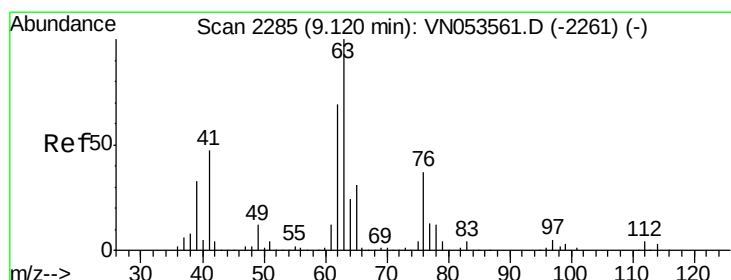
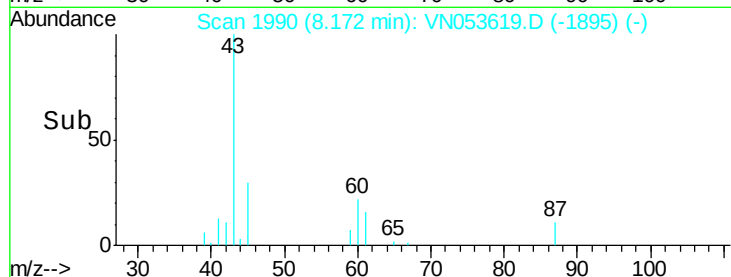
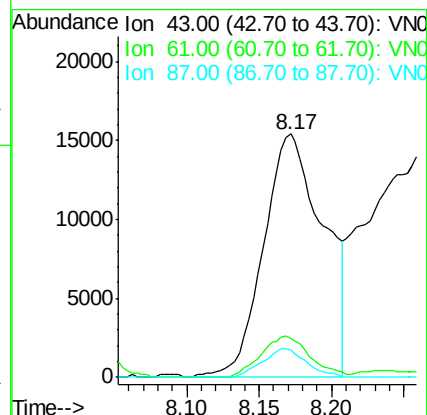
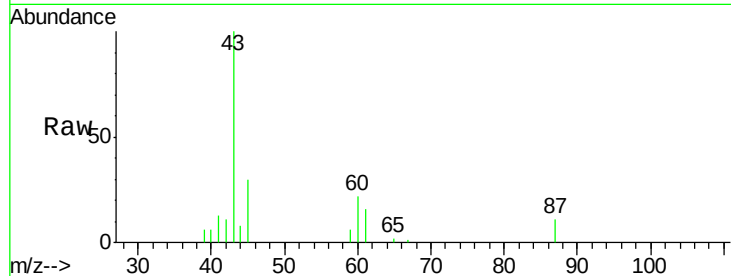
Tot Ion: 43 Resp: 44302

Ion Ratio Lower Upper

43 100

61 14.0 23.9 35.9#

87 8.7 11.0 16.6#



#45

1,2-Dichloropropane

Concen: 0.213 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053619.D

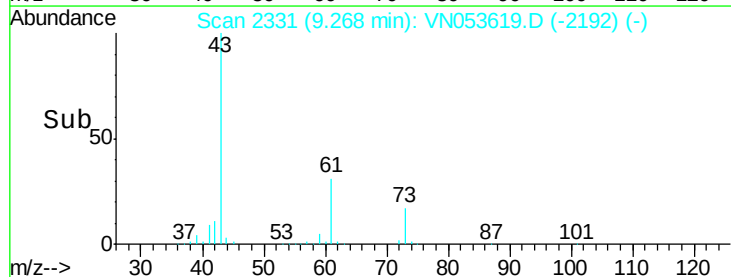
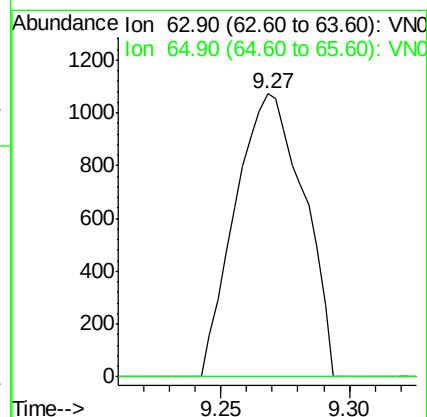
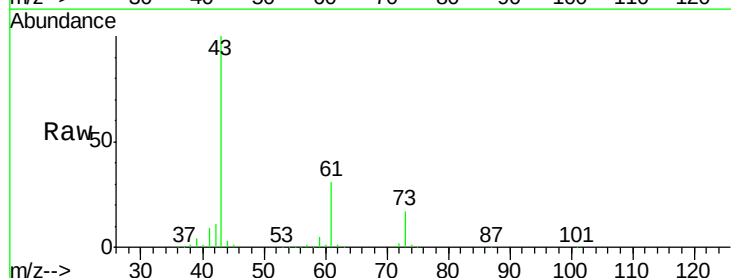
Acq: 5 Feb 2019 14:56

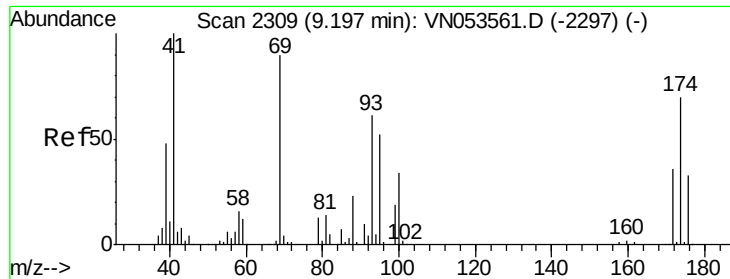
Tgt Ion: 63 Resp: 1983

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

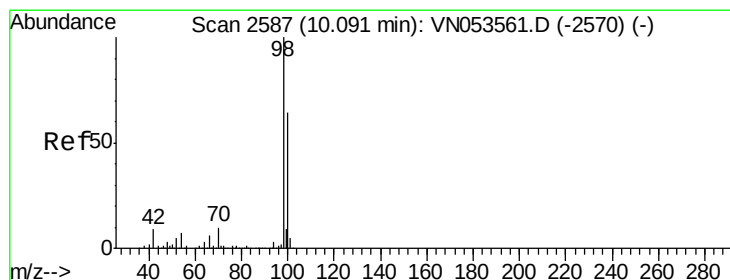
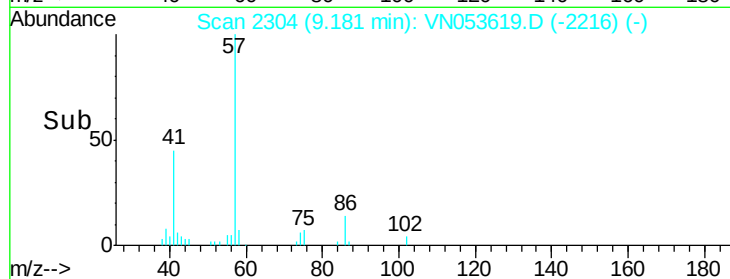
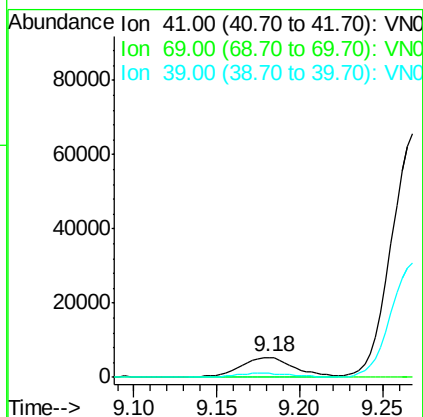
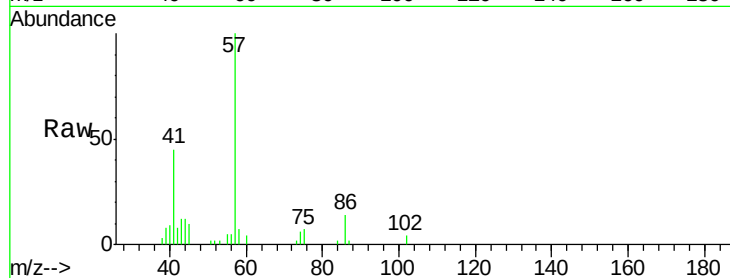




#48
Methvl methacrylate
Concen: 1.831 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

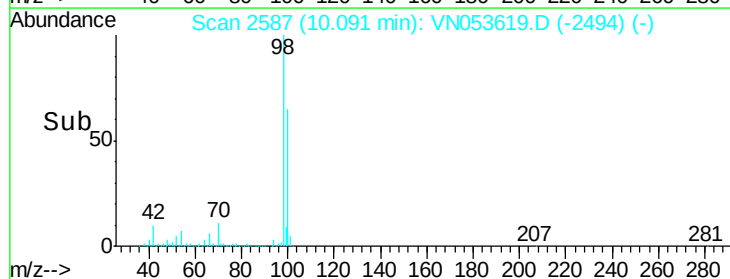
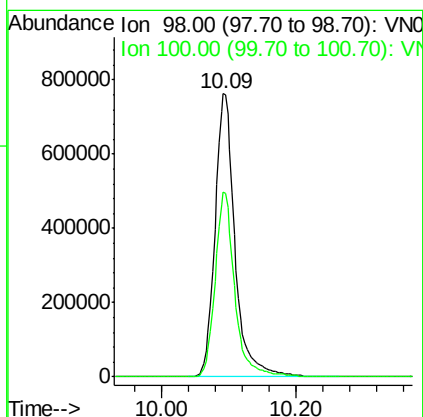
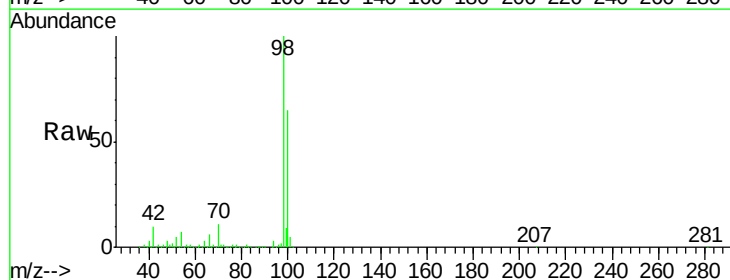
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-B

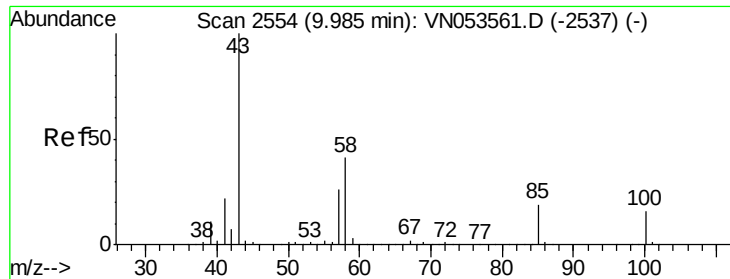
Tot Ion: 41 Resp: 11140
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 23.5 40.0 60.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 98 Resp: 1575857
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

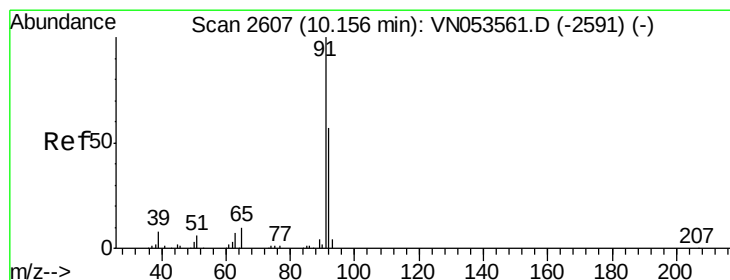
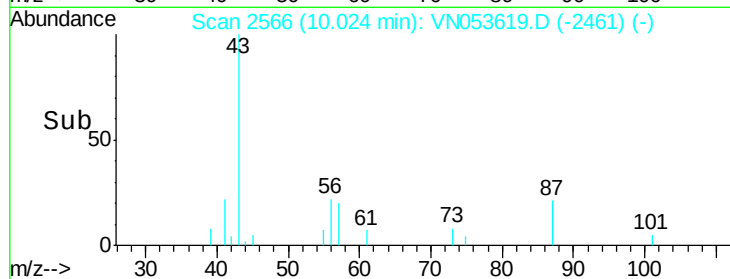
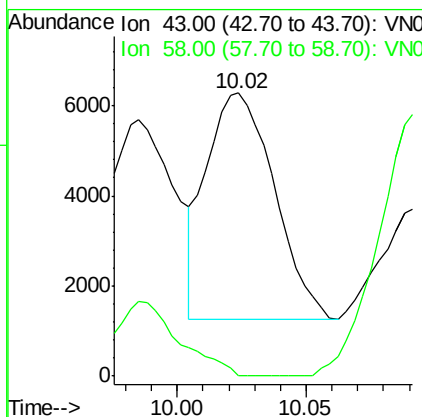
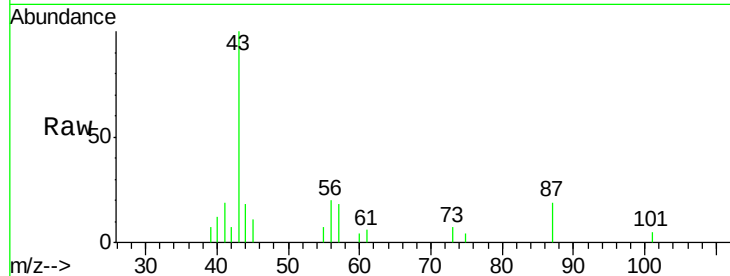




#51
 4-Methyl-2-Pentanone
 Concen: 1.468 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053619.D
 Acq: 5 Feb 2019 14:56

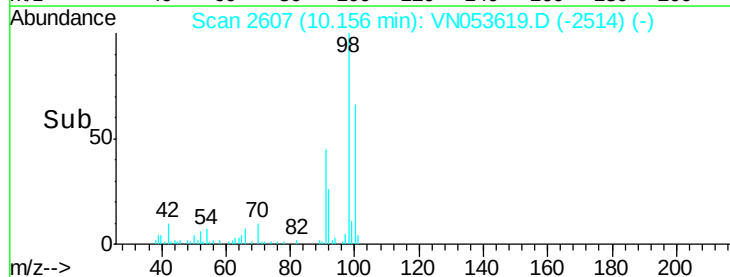
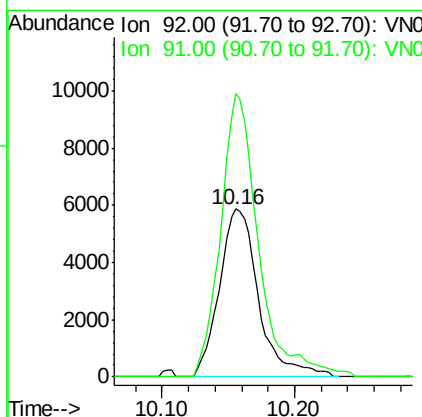
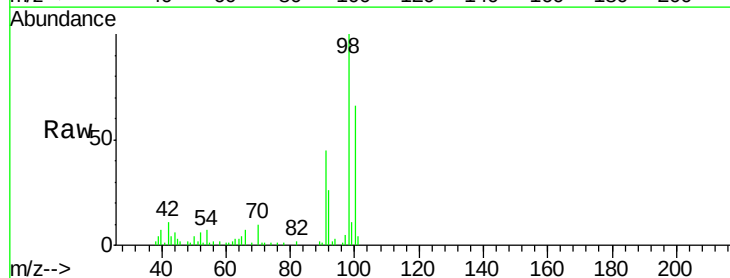
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-020419-B

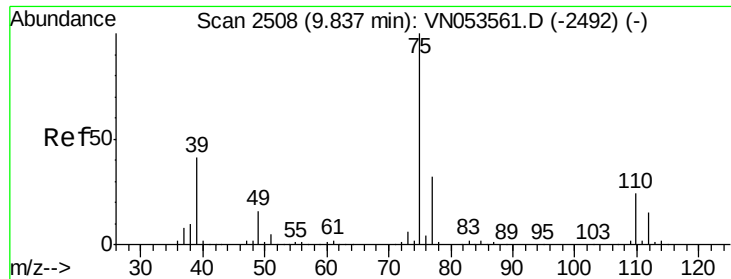
Tot Ion: 43 Resp: 9193
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.8 49.2#



#52
 Toluene
 Concen: 0.558 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053619.D
 Acq: 5 Feb 2019 14:56

Tgt Ion: 92 Resp: 12062
 Ion Ratio Lower Upper
 92 100
 91 163.0 139.9 209.9





#54

cis-1,3-Dichloropropene

Concen: 5.698 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-B

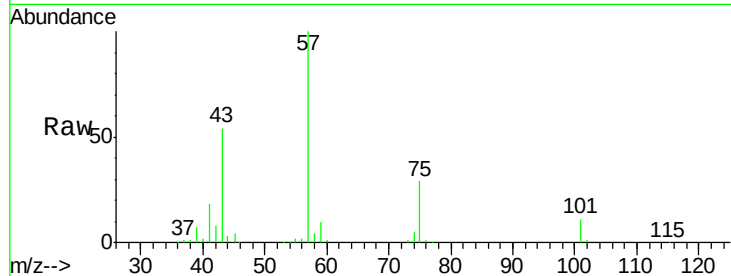
Tot Ion: 75 Resp: 78991

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

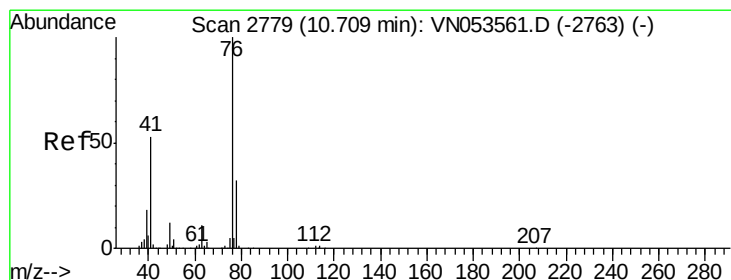
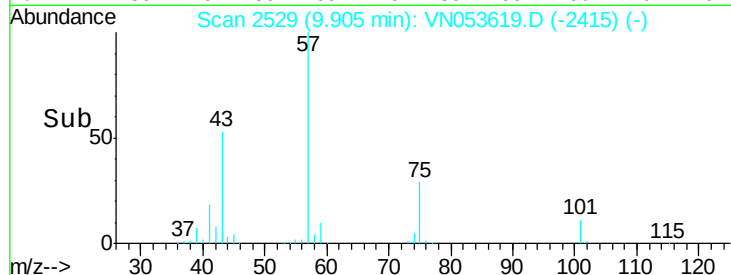
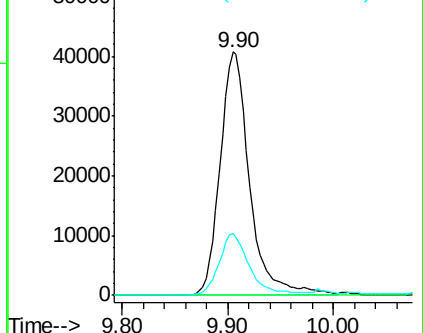
39 25.6 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropene

Concen: 1.127 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053619.D

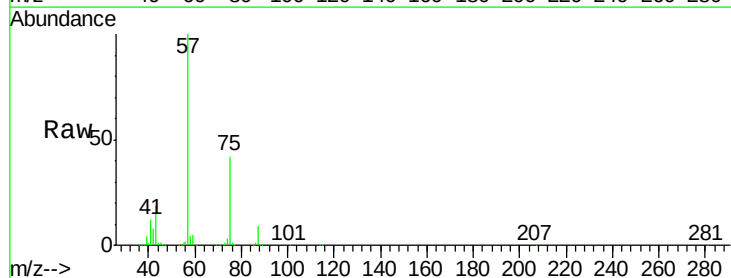
Acq: 5 Feb 2019 14:56

Tgt Ion: 76 Resp: 15009

Ion Ratio Lower Upper

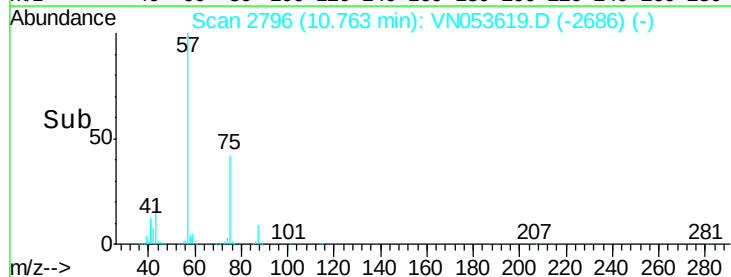
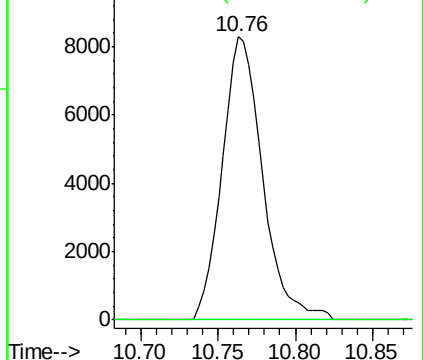
76 100

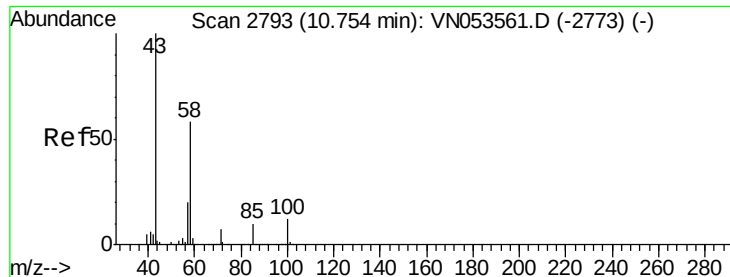
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

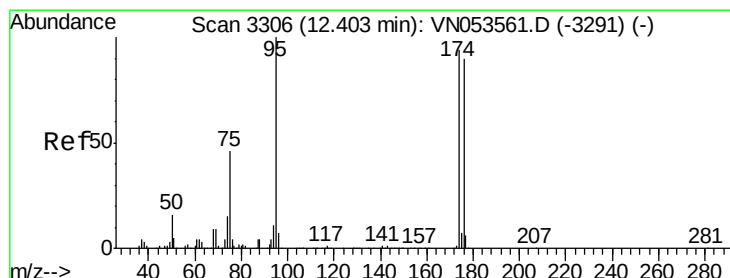
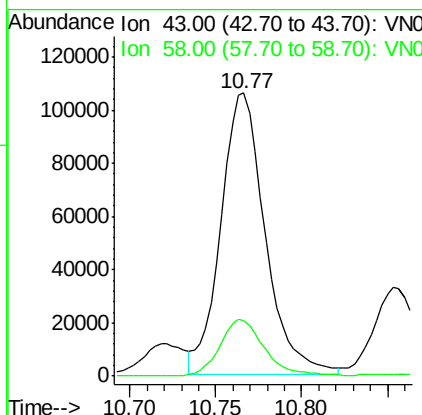
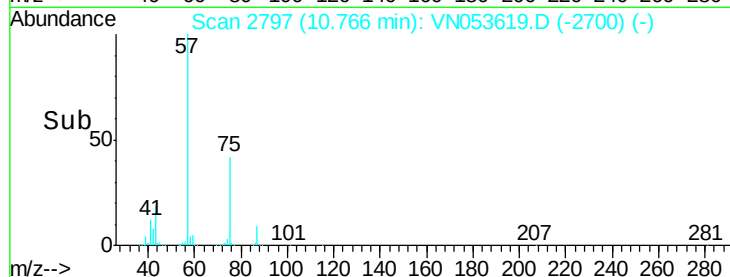
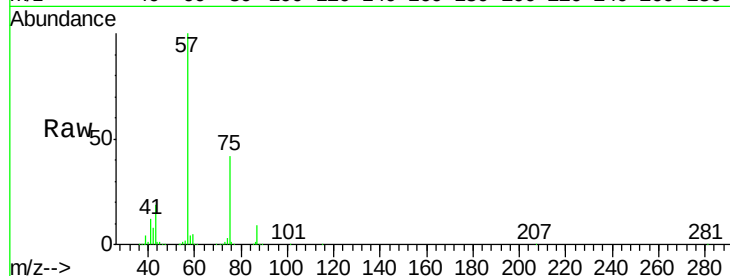




#59
2-Hexanone
Concen: 44.838 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

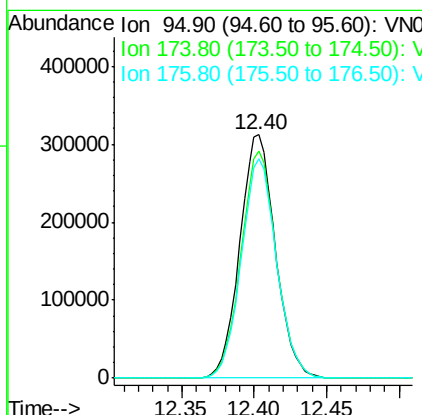
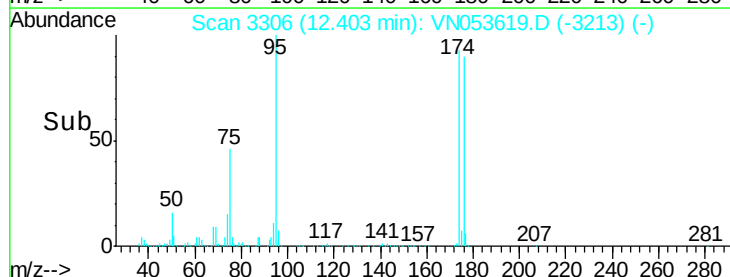
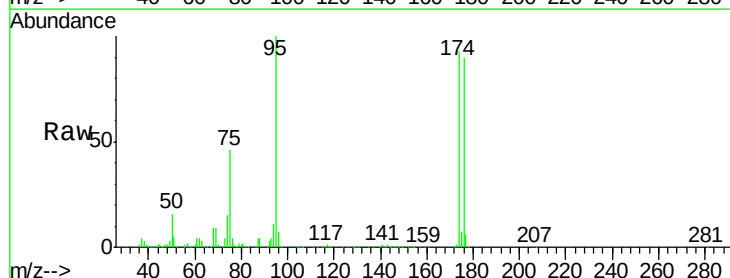
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-B

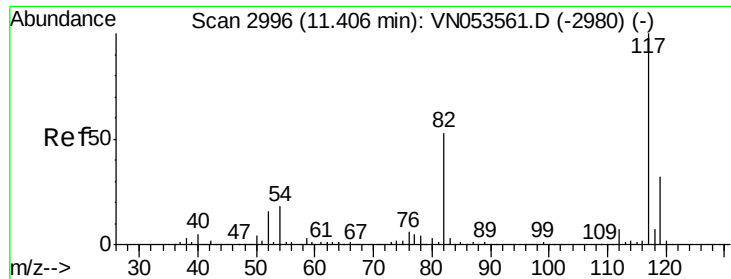
Tot Ion: 43 Resp: 190650
Ion Ratio Lower Upper
43 100
58 20.4 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 95 Resp: 531534
Ion Ratio Lower Upper
95 100
174 92.7 0.0 183.2
176 89.5 0.0 177.4

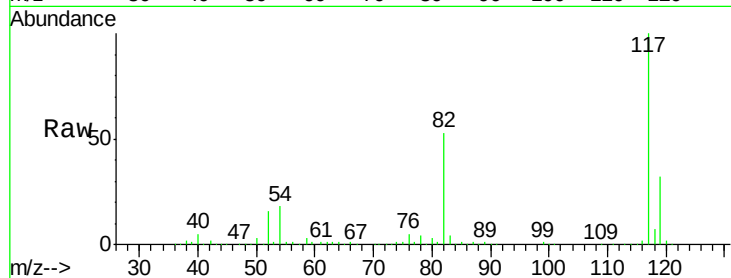




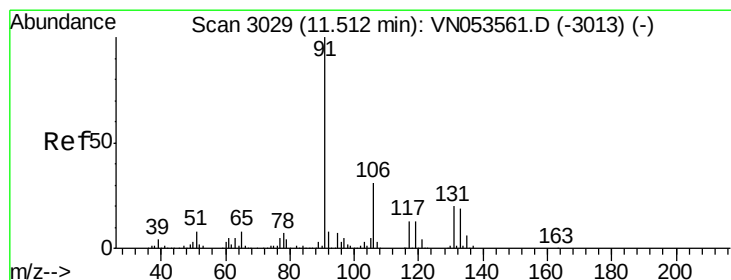
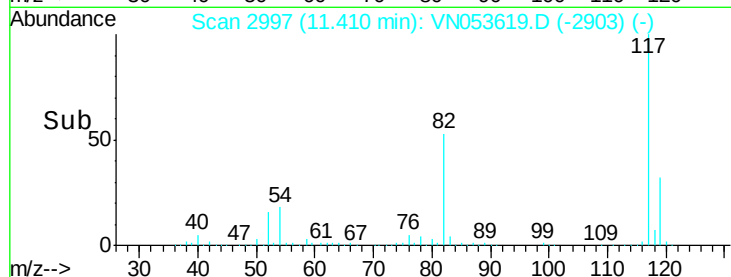
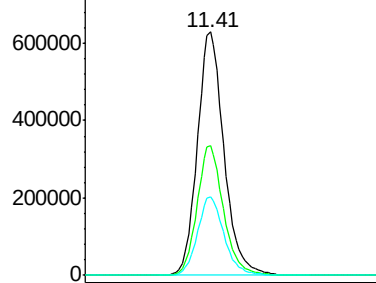
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

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

Tot Ion:117 Resp: 1188419
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.5 26.0 39.0

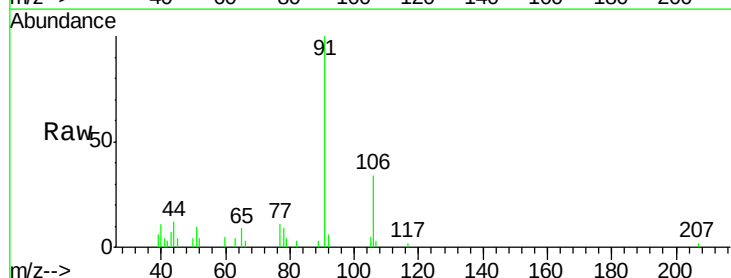


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

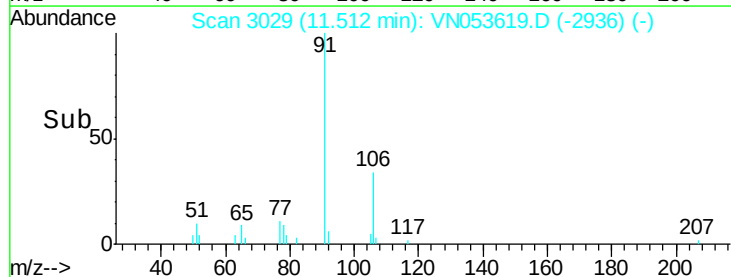
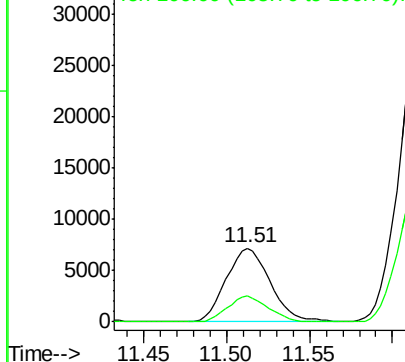


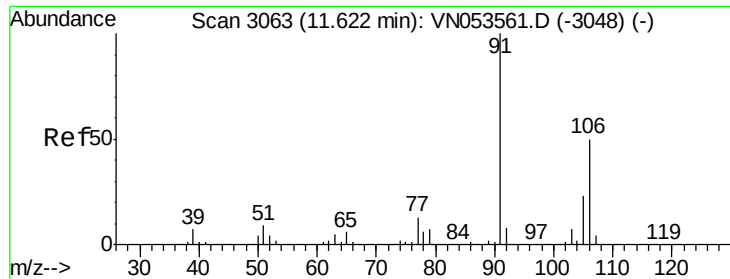
#67
Ethyl Benzene
Concen: 0.322 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 91 Resp: 13346
Ion Ratio Lower Upper
91 100
106 34.4 25.0 37.6



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

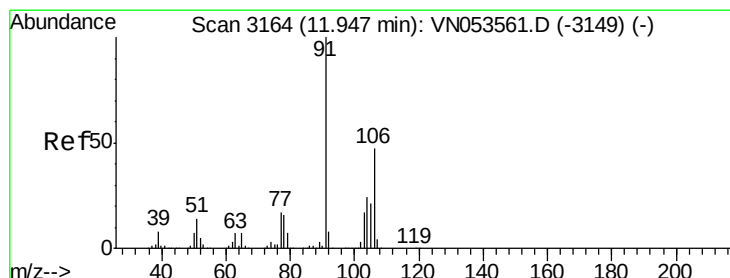
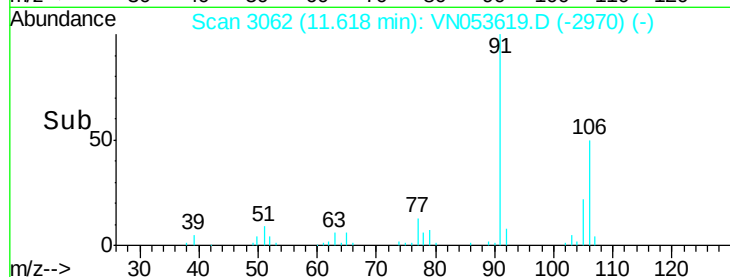
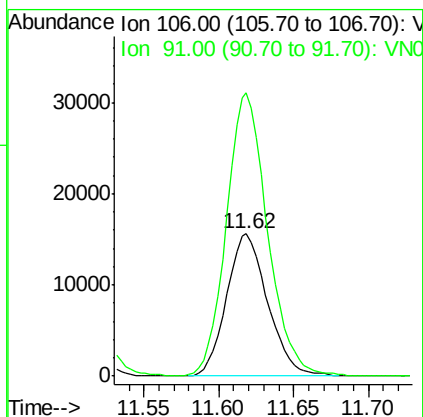
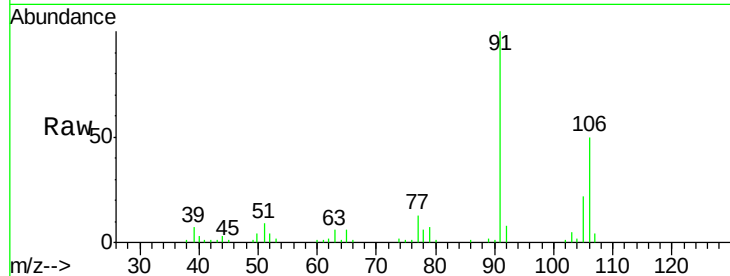




#68
m/p-Xylenes
Concen: 1.885 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

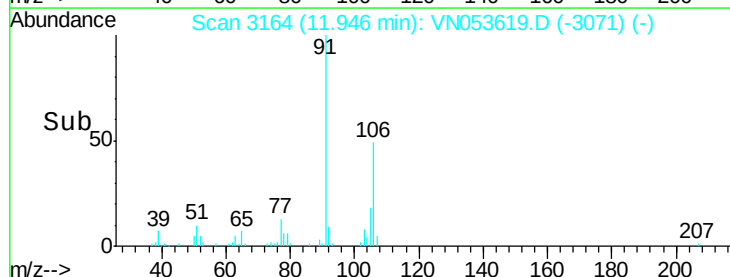
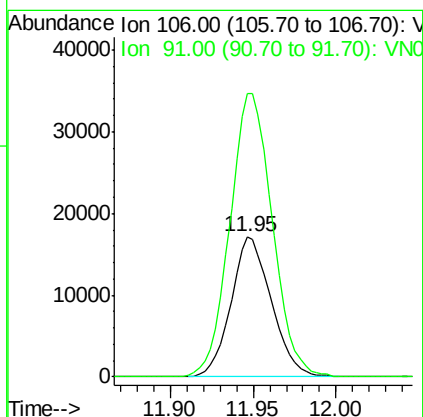
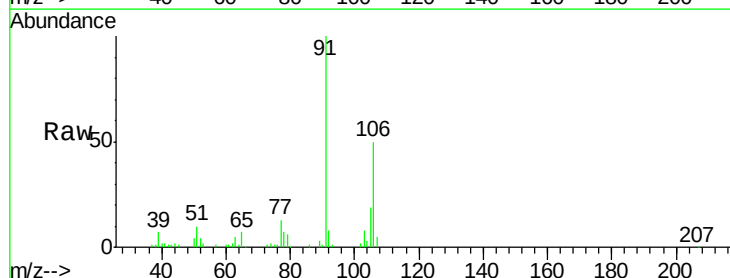
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-B

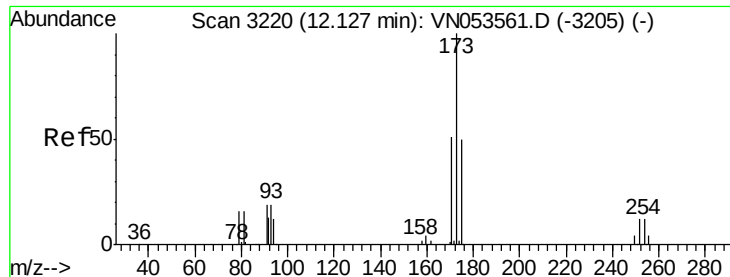
Tot Ion:106 Resp: 29834
Ion Ratio Lower Upper
106 100
91 198.9 161.4 242.2



#69
o-Xylene
Concen: 1.900 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion:106 Resp: 29053
Ion Ratio Lower Upper
106 100
91 212.7 106.9 320.8





#71

Bromoform

Concen: 0.614 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

HR-05-020419-B

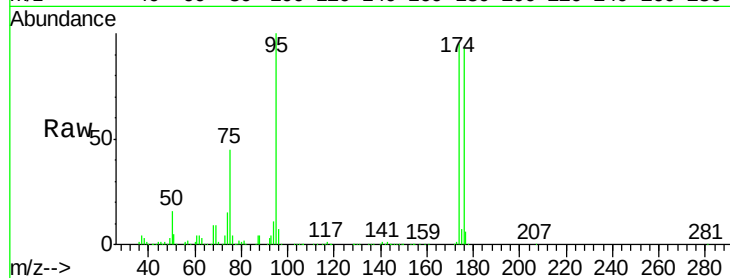
Tot Ion:173 Resp: 3714

Ion Ratio Lower Upper

173 100

175 795.3 24.6 74.0#

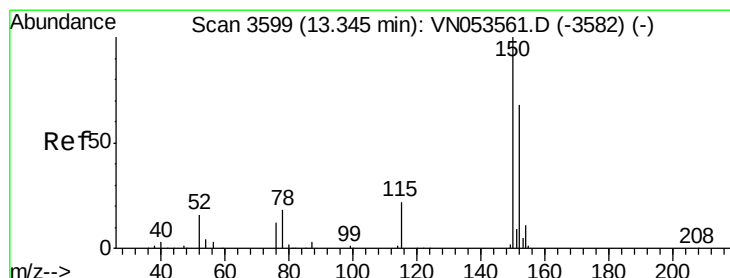
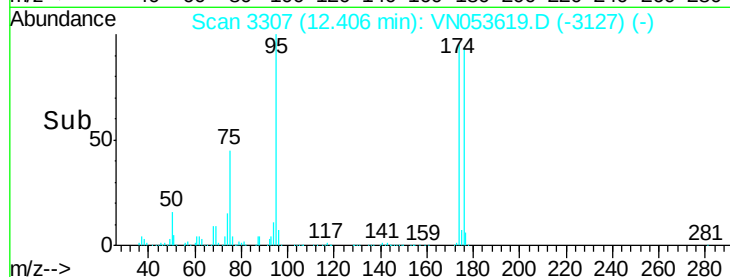
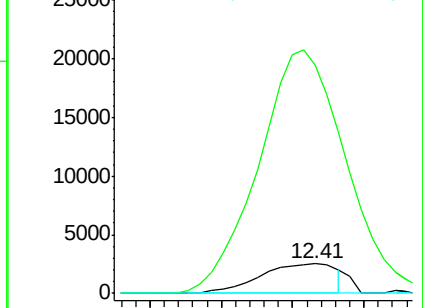
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

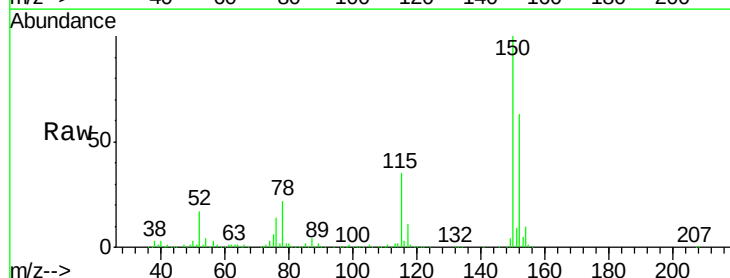
Tgt Ion:152 Resp: 522880

Ion Ratio Lower Upper

152 100

115 58.4 27.8 83.4

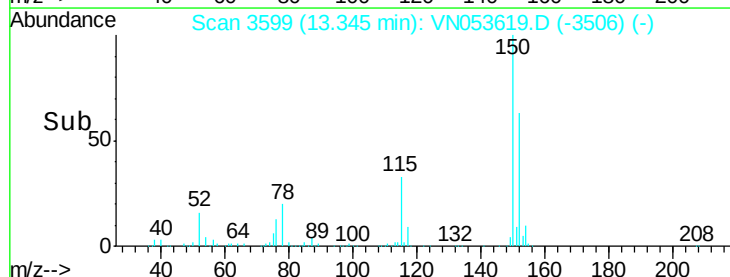
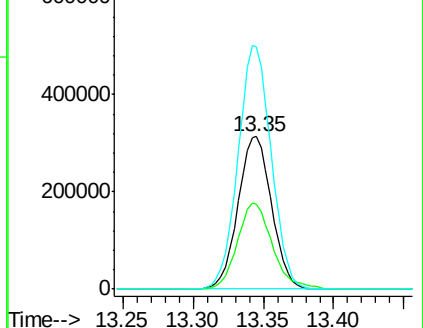
150 157.9 0.0 349.0

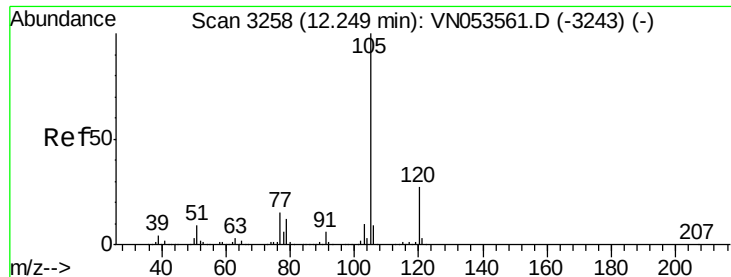


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.358 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

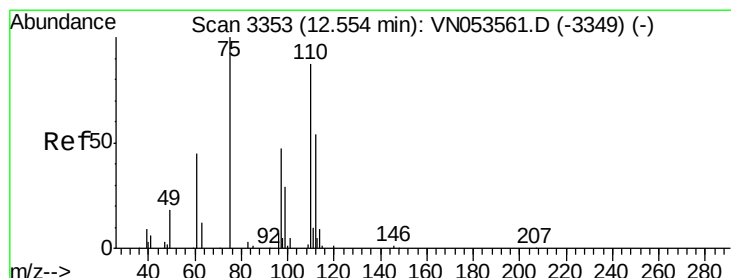
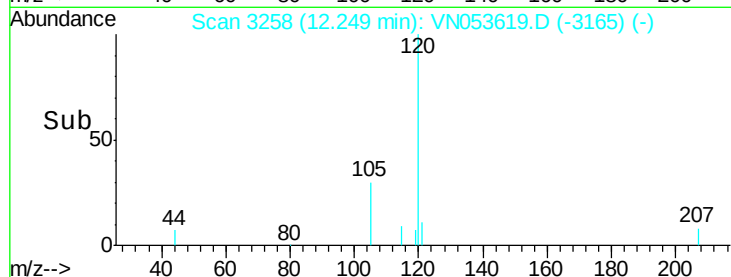
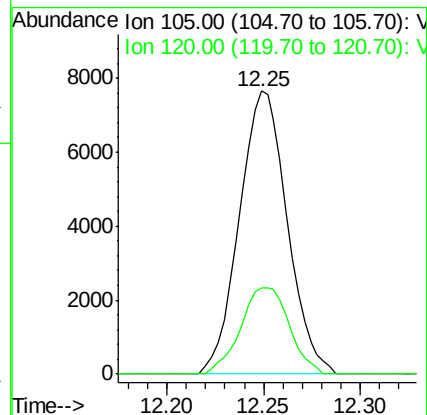
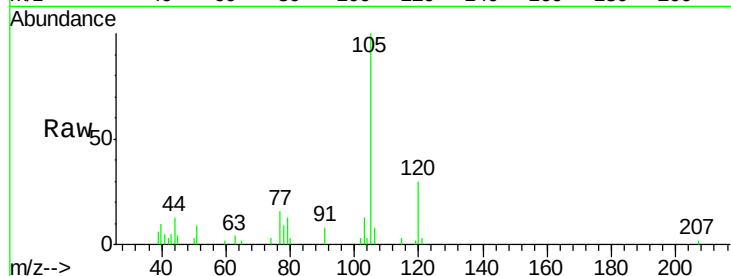
HR-05-020419-B

Tot Ion:105 Resp: 13148

Ion Ratio Lower Upper

105 100

120 31.1 13.6 40.7



#76

1,2,3-Trichloropropane

Concen: 36.651 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053619.D

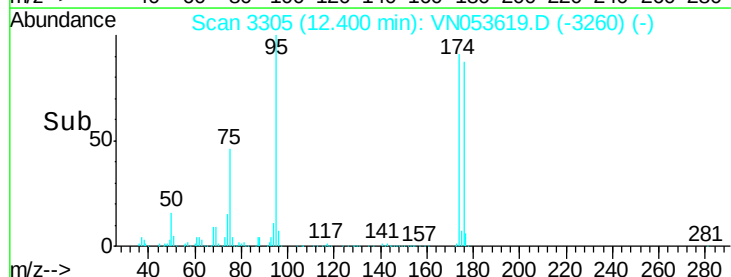
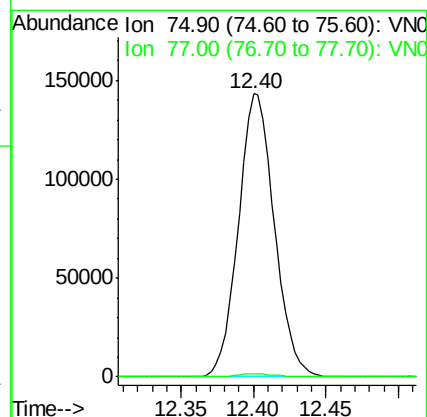
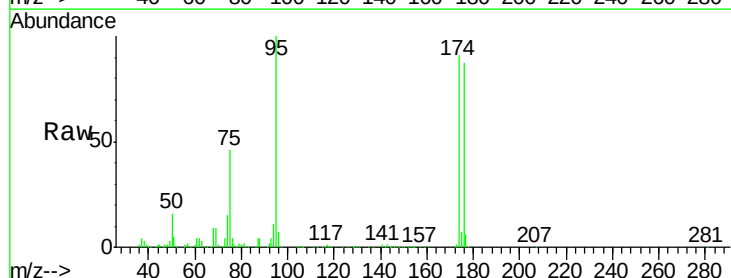
Acq: 5 Feb 2019 14:56

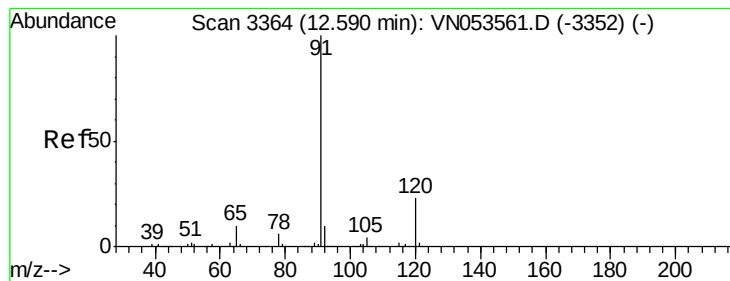
Tgt Ion: 75 Resp: 246149

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: 0.895 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

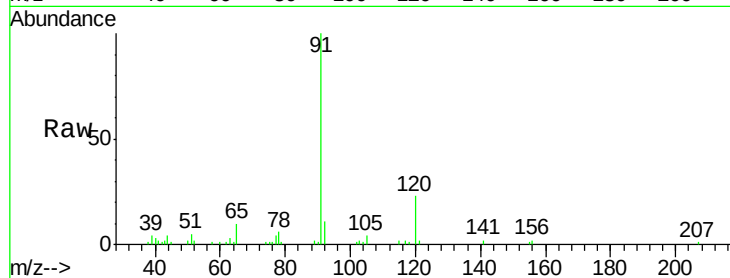
HR-05-020419-B

Tot Ion: 91 Resp: 38024

Ion Ratio Lower Upper

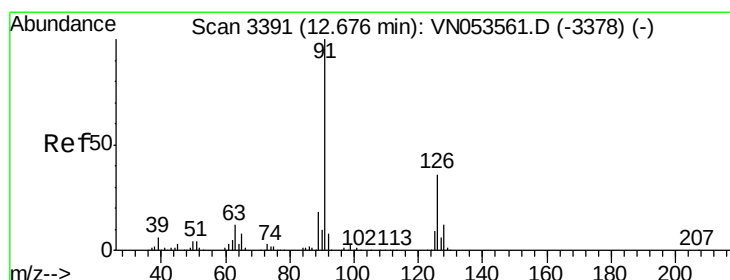
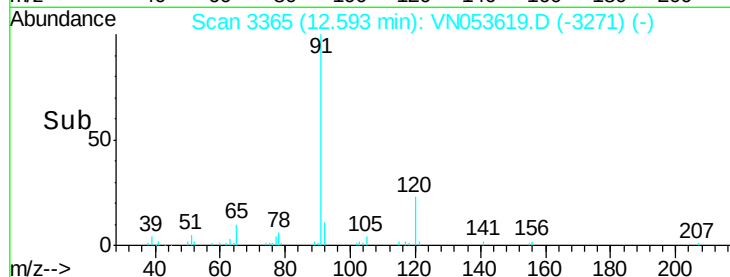
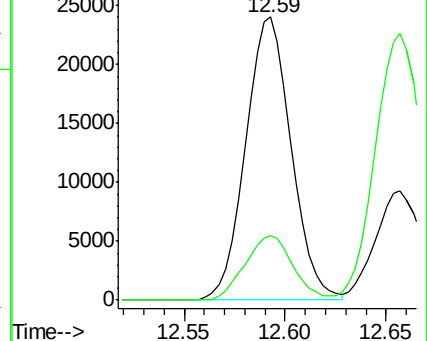
91 100

120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.805 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053619.D

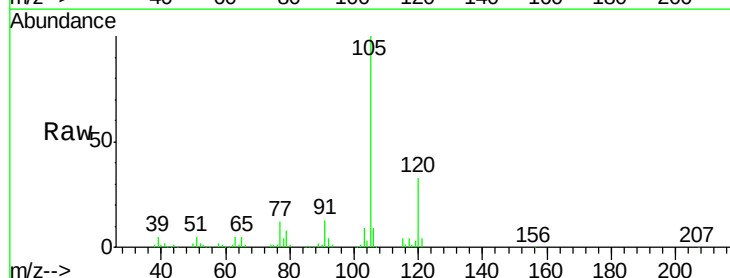
Acq: 5 Feb 2019 14:56

Tgt Ion: 91 Resp: 20300

Ion Ratio Lower Upper

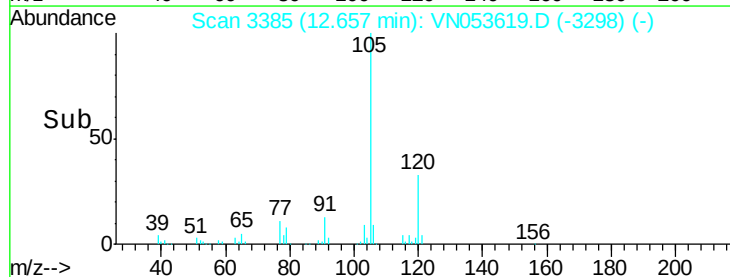
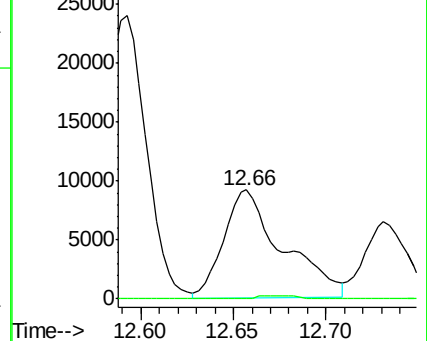
91 100

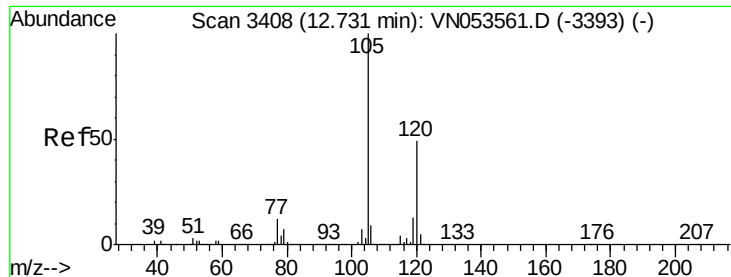
126 2.0 17.9 53.7#



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: 3.357 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

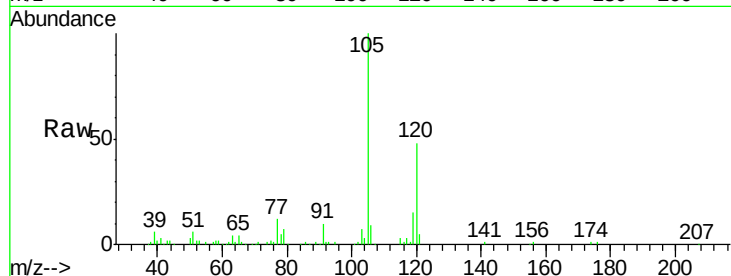
HR-05-020419-B

Tot Ion:105 Resp: 102316

Ion Ratio Lower Upper

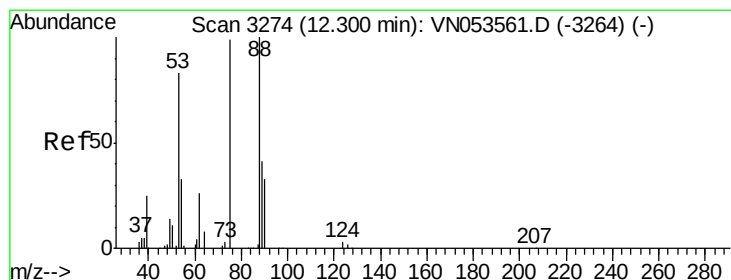
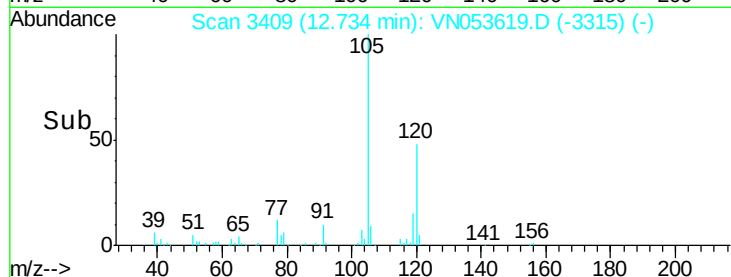
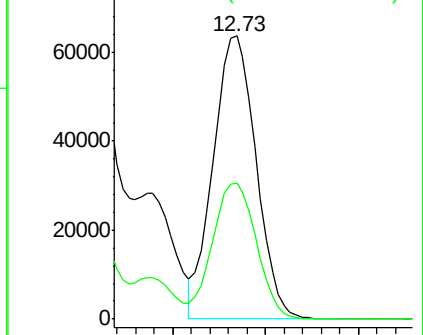
105 100

120 49.0 24.9 74.6



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: 103.059 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

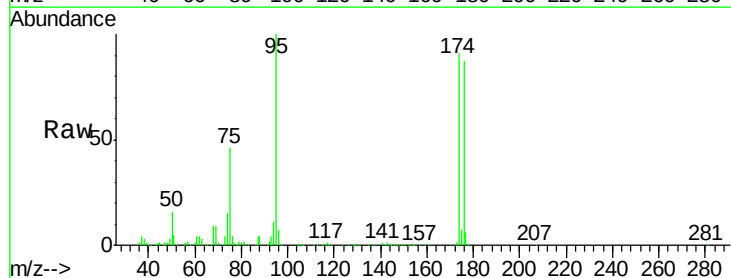
Tgt Ion: 75 Resp: 246149

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

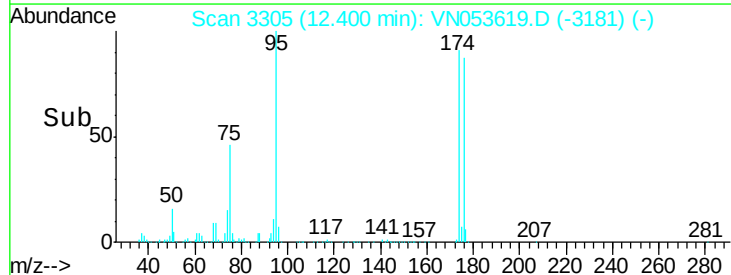
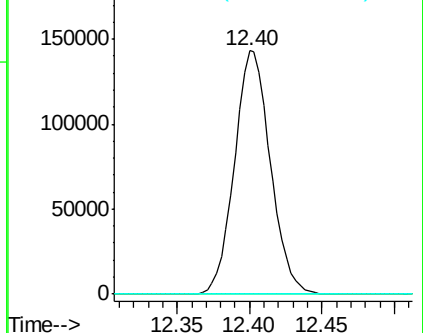
89 0.0 35.6 53.4#

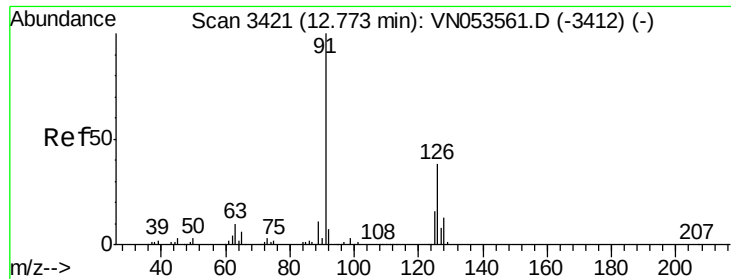


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.391 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

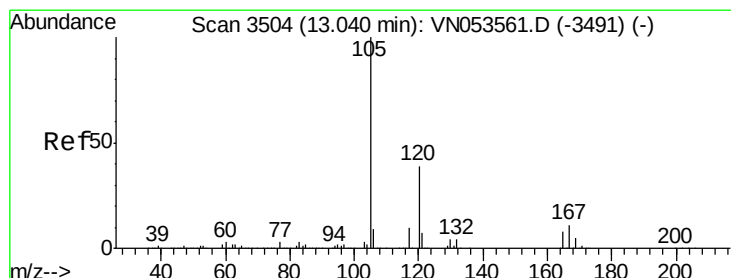
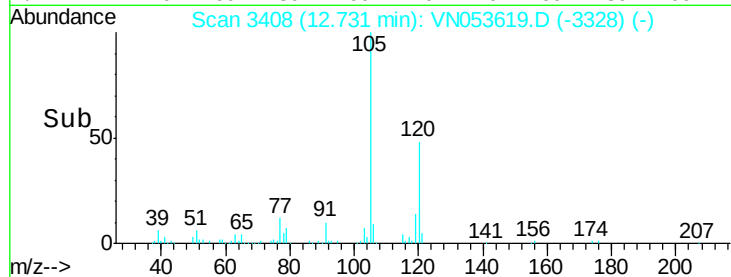
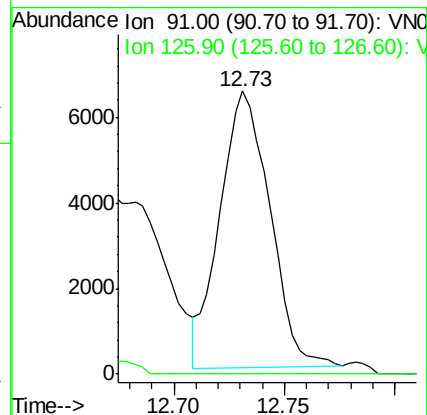
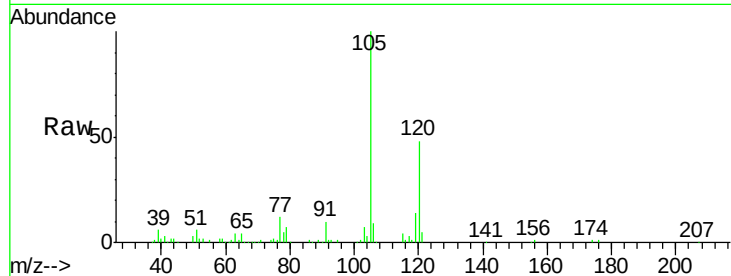
HR-05-020419-B

Tot Ion: 91 Resp: 10122

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



#84

1,2,4-Trimethylbenzene

Concen: 13.904 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053619.D

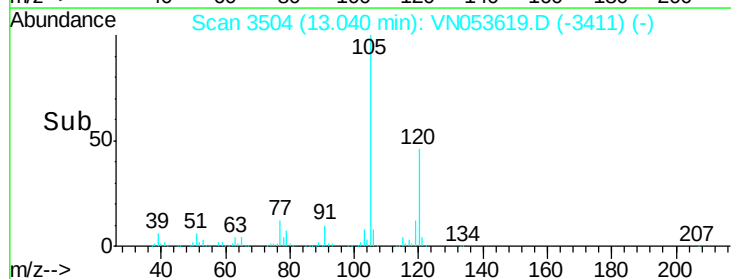
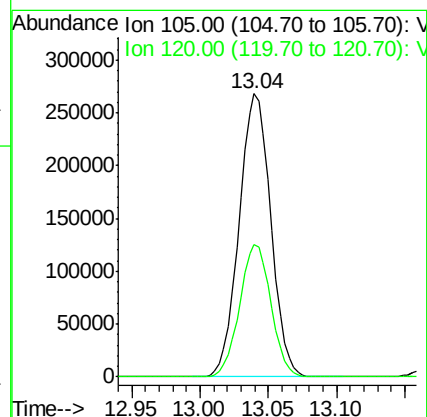
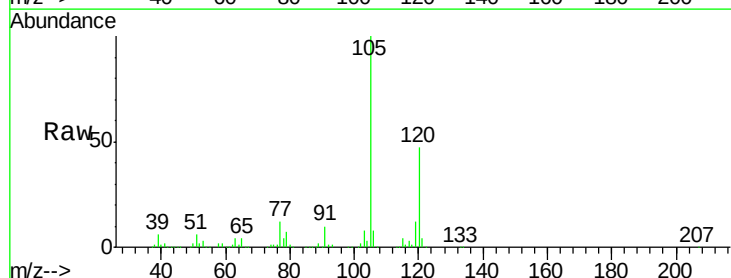
Acq: 5 Feb 2019 14:56

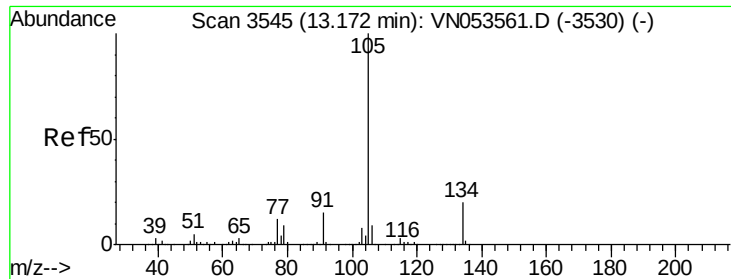
Tgt Ion: 105 Resp: 431784

Ion Ratio Lower Upper

105 100

120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.580 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

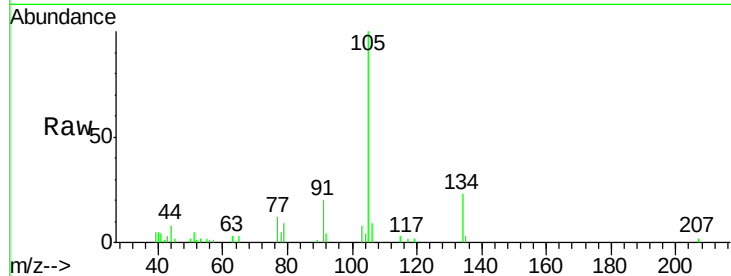
HR-05-020419-B

Tot Ion:105 Resp: 21278

Ion Ratio Lower Upper

105 100

134 27.9 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

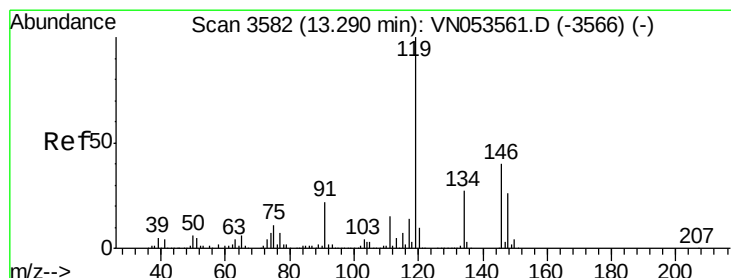
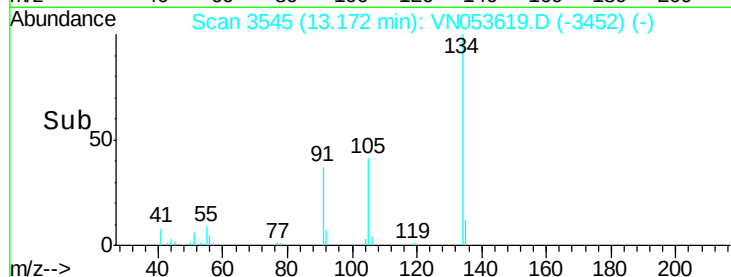
15000

10000

5000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 0.701 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

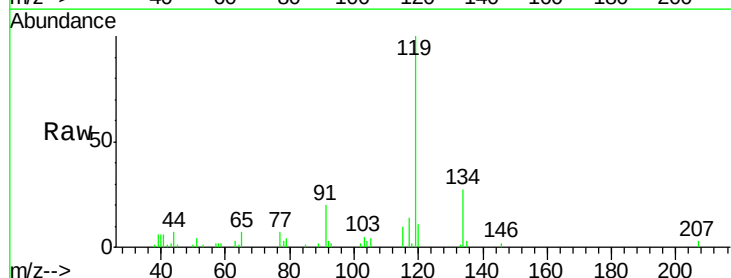
Tgt Ion:119 Resp: 22462

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 19.8 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

25000

20000

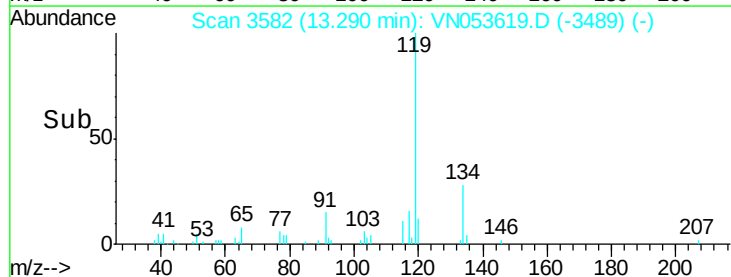
15000

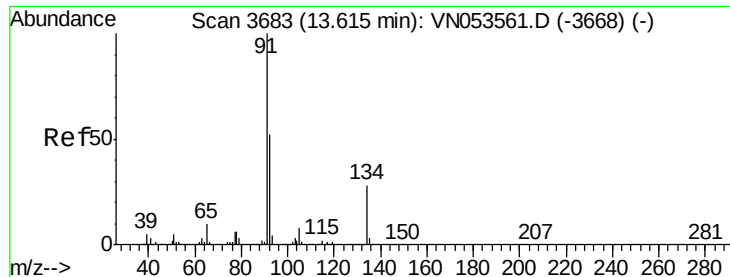
10000

5000

0

Time--> 13.25 13.30 13.35

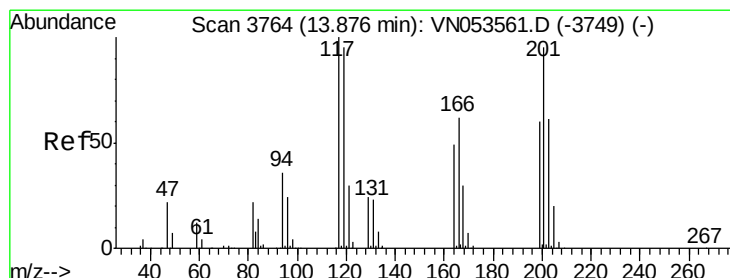
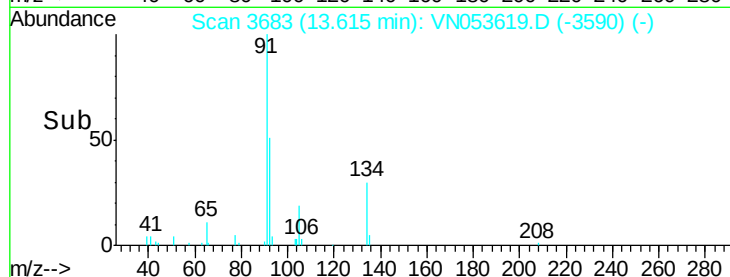
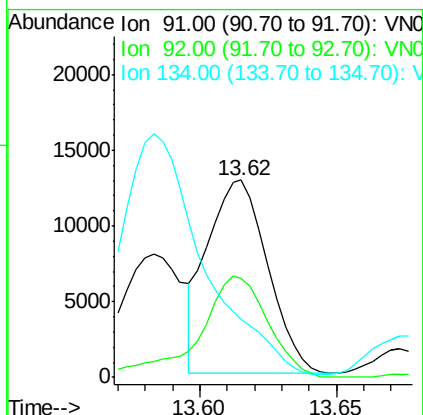
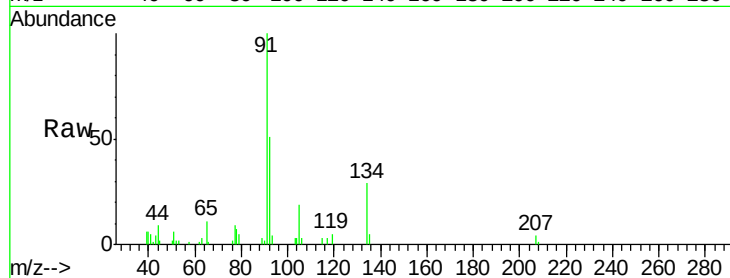




#89
n-Butylbenzene
Concen: 0.702 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

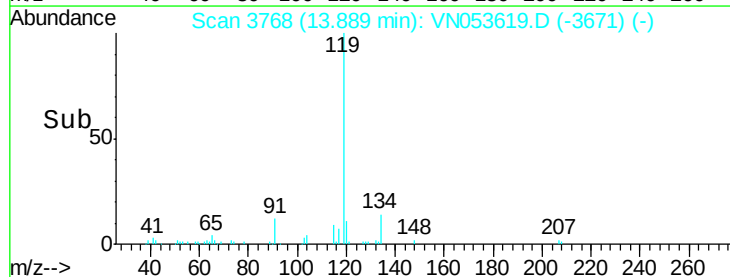
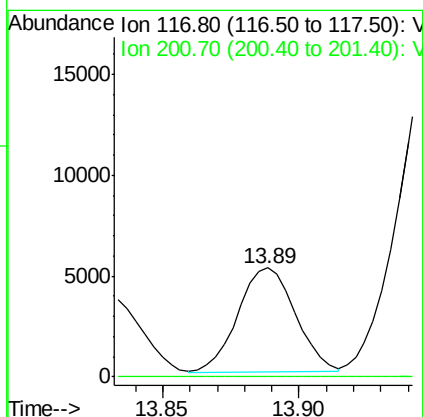
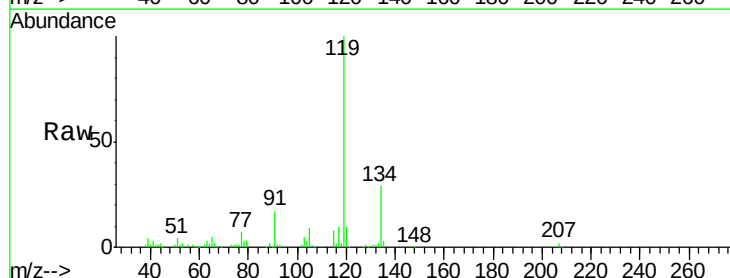
Instrument :
MSVOA_N
ClientSampled :
HR-05-020419-B

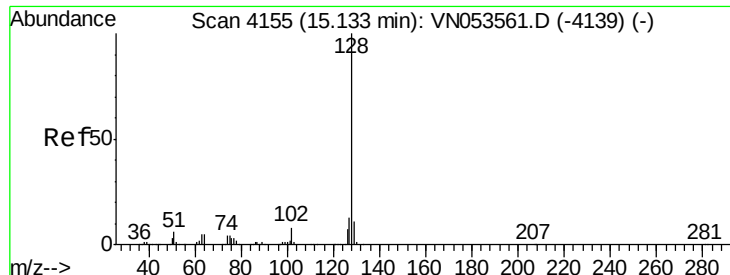
Tot Ion: 91 Resp: 19493
Ion Ratio Lower Upper
91 100
92 60.0 26.3 78.8
134 0.0 13.5 40.5#



#90
Hexachloroethane
Concen: 1.421 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN053619.D
Acq: 5 Feb 2019 14:56

Tgt Ion: 117 Resp: 7516
Ion Ratio Lower Upper
117 100
201 0.0 46.8 140.4#





#95

Naphthalene

Concen: 15.122 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053619.D

Acq: 5 Feb 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-B

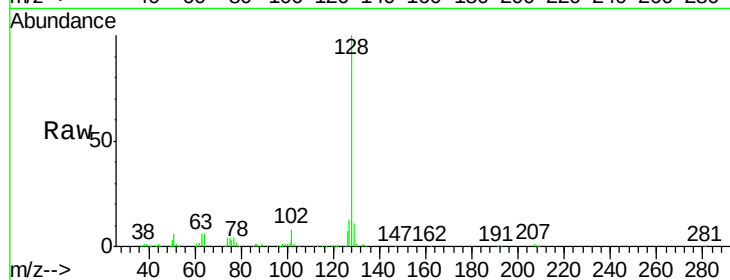
Tot Ion:128 Resp: 318526

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.1 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

