

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053618.D
 Acq On : 5 Feb 2019 14:29
 Operator : JC/SP
 Sample : K1341-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

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

Quant Time: Feb 06 03:32:22 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	792400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1294679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1178890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	516673	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	411429	51.76	ug/l	0.00
Spiked Amount						
			Recovery	=	103.52%	
35) Dibromofluoromethane	7.59	113	405240	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
50) Toluene-d8	10.09	98	1570730	51.14	ug/l	0.00
Spiked Amount						
			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	527895	51.53	ug/l	0.00
Spiked Amount						
			Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	249	0.972	ug/l #	55
14) Allyl chloride	4.55	41	222138	19.013	ug/l #	27
16) Acetone	3.82	43	34271	16.808	ug/l	100
18) Methyl Acetate	4.33	43	1878	0.311	ug/l #	84
20) Methylene Chloride	4.55	84	6184426	722.944	ug/l	99
25) 2-Butanone	6.85	43	5458	1.877	ug/l #	85
29) Tetrahydrofuran	7.21	42	594	0.318	ug/l #	74
31) Cyclohexane	7.67	56	11545	0.692	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47226	4.047	ug/l #	49
38) Carbon Tetrachloride	7.67	117	65330	5.557	ug/l #	16
41) Methacrylonitrile	7.22	41	822	0.226	ug/l #	22
43) Isopropyl Acetate	8.17	43	48443	3.848	ug/l #	73
45) 1,2-Dichloropropane	9.27	63	1847	0.201	ug/l #	43
48) Methyl methacrylate	9.18	41	12472	2.076	ug/l #	23
51) 4-Methyl-2-Pentanone	10.02	43	9482	1.533	ug/l #	34
52) Toluene	10.16	92	13750	0.644	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	81434	5.948	ug/l #	60
57) 1,3-Dichloropropane	10.77	76	15468	1.176	ug/l #	43
59) 2-Hexanone	10.77	43	194485	46.313	ug/l #	51
67) Ethyl Benzene	11.51	91	37362	0.908	ug/l	96
68) m/p-Xylenes	11.62	106	81324	5.180	ug/l	99
69) o-Xylene	11.95	106	64263	4.237	ug/l	99
71) Bromoform	12.40	173	2351	0.392	ug/l #	1
73) Isopropylbenzene	12.25	105	24823	0.683	ug/l	99
74) N-amyl acetate	12.04	43	1968	0.225	ug/l #	41
76) 1,2,3-Trichloropropane	12.40	75	240425	36.229	ug/l #	100
78) n-propylbenzene	12.59	91	61797	1.472	ug/l	100
79) 2-Chlorotoluene	12.65	91	19581	0.786	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	128997	4.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	240425	101.872	ug/l #	15
82) 4-Chlorotoluene	12.73	91	11871	0.464	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.04	105	484914	15.802	ug/l	99
85) sec-Butylbenzene	13.17	105	27914	0.771	ug/l	88
86) p-Isopropyltoluene	13.29	119	27021	0.853	ug/l	98

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Response via : Initial Calibration

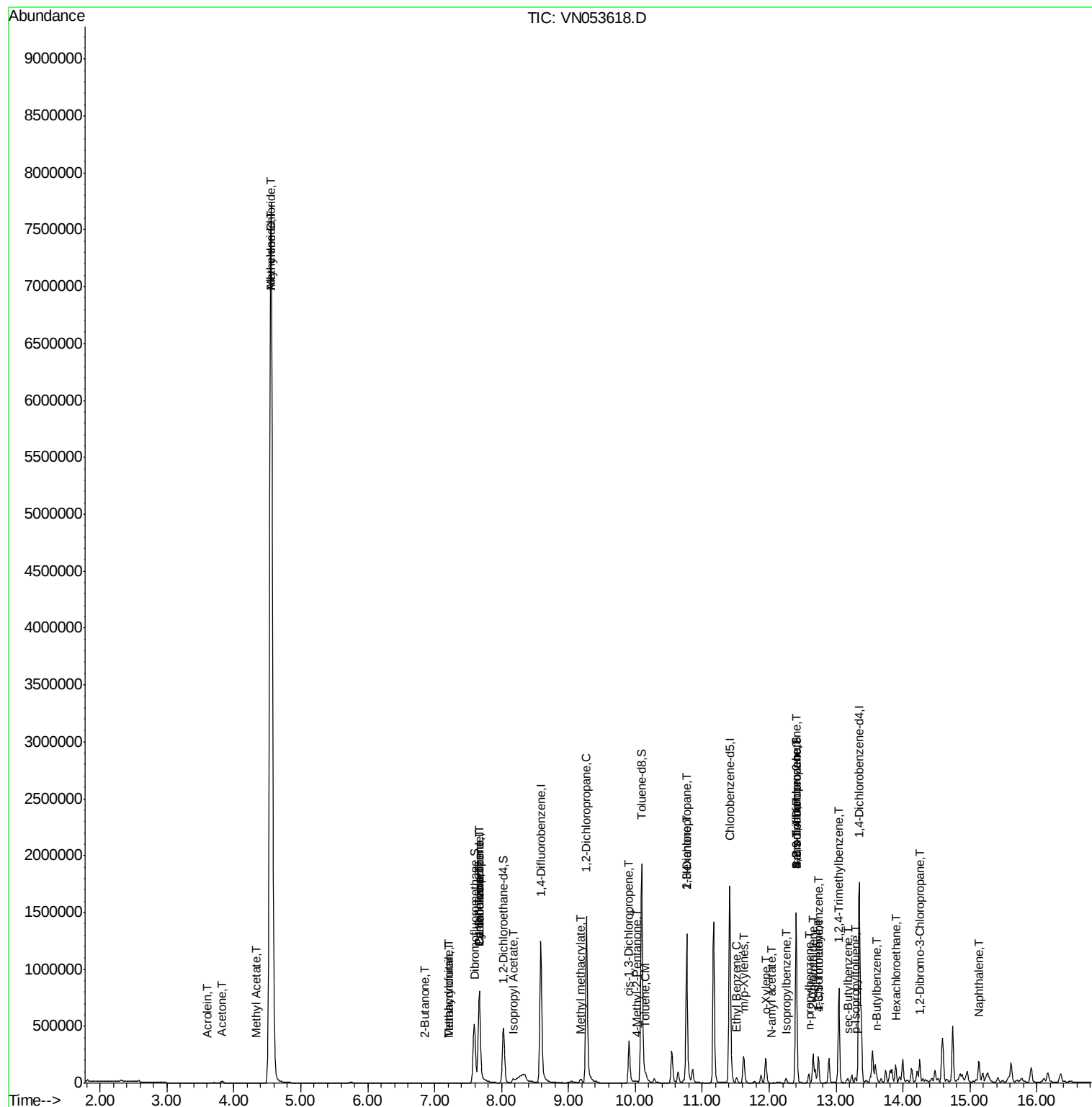
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.61	91	23311	0.850	ug/l #	80
90) Hexachloroethane	13.89	117	7997	1.530	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.25	75	841	0.679	ug/l #	1
95) Naphthalene	15.13	128	160241	8.551	ug/l	99

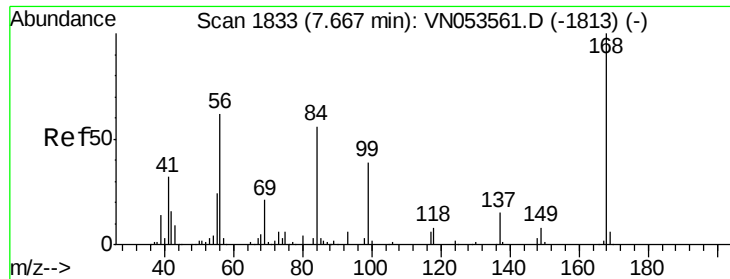
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

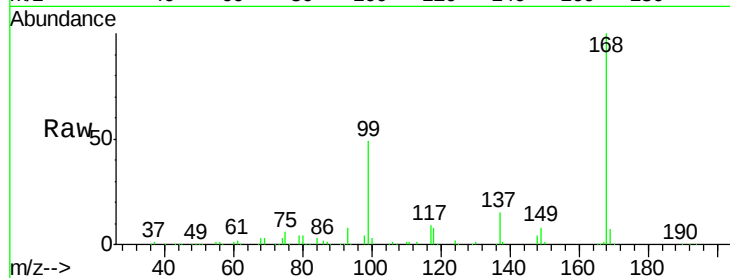
HR-05-020419-A

Tot Ion:168 Resp: 792400

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053618.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053618.D (-1740) (-)

7.67

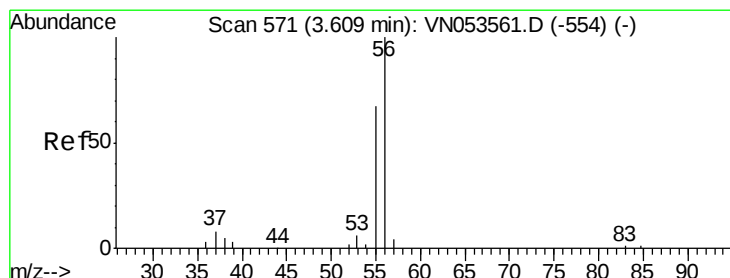
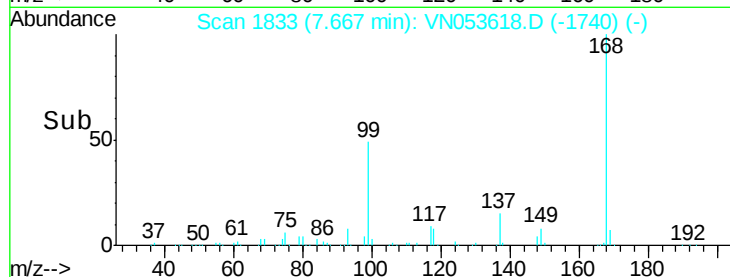
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.972 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN053618.D

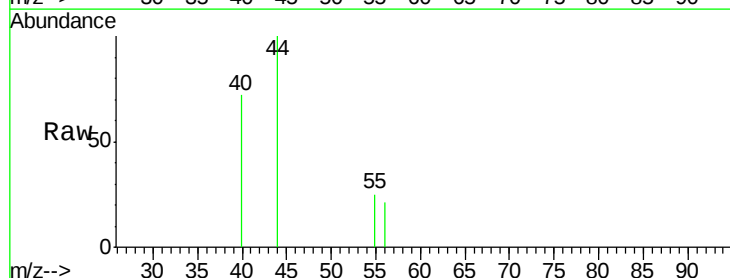
Acq: 5 Feb 2019 14:29

Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

56 100

55 109.2 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053618.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN053618.D (-478) (-)

3.60

300

250

200

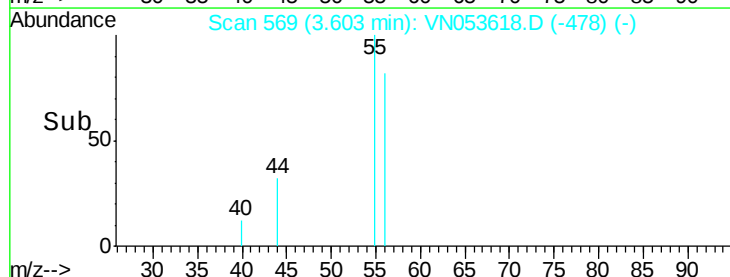
150

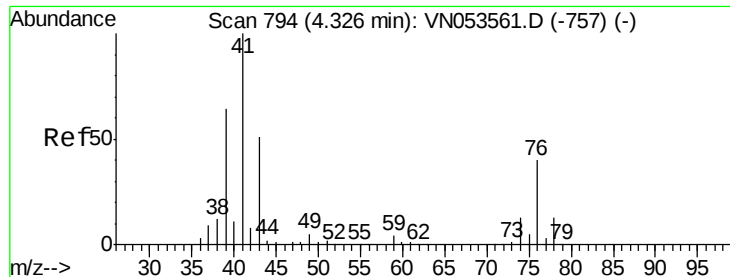
100

50

0

Time-->

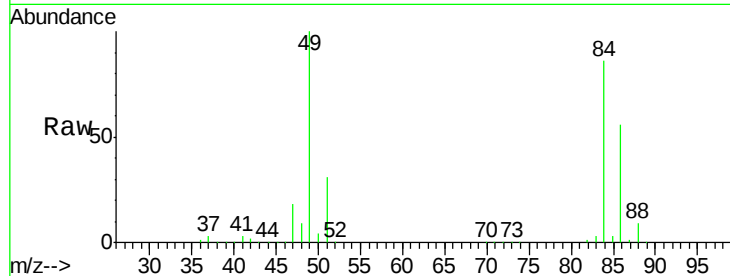




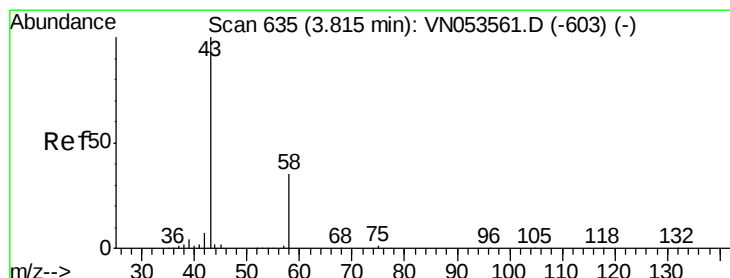
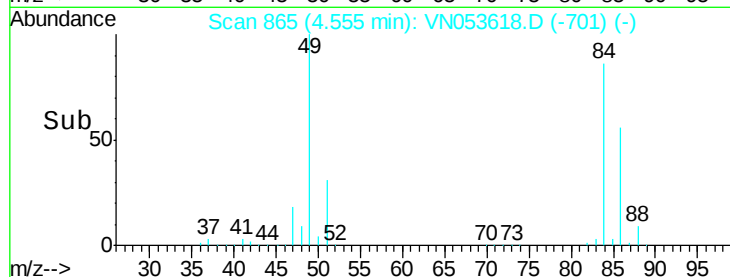
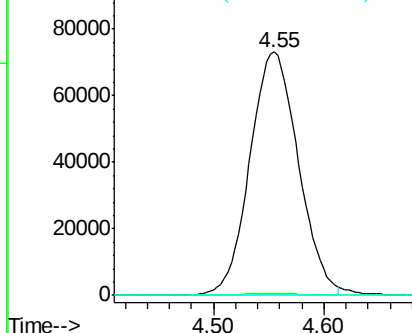
#14
Allvl chloride
Concen: 19.013 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

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

Tot Ion: 41 Resp: 222138
Ion Ratio Lower Upper
41 100
39 0.3 48.9 73.3#
76 0.0 29.4 44.2#

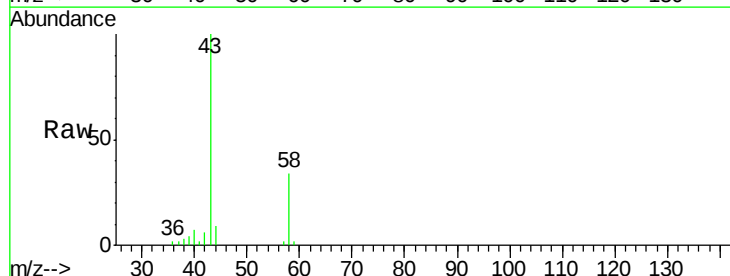


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

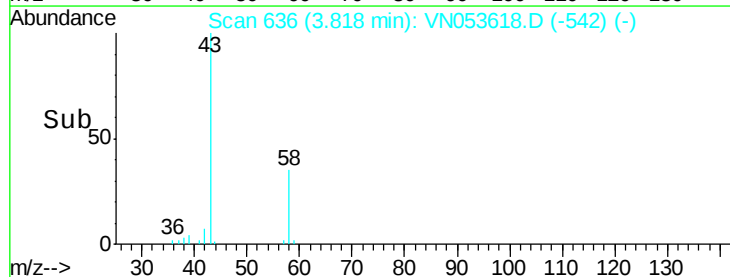
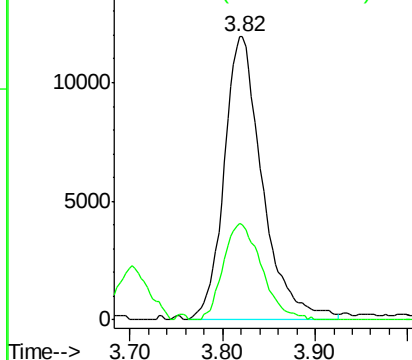


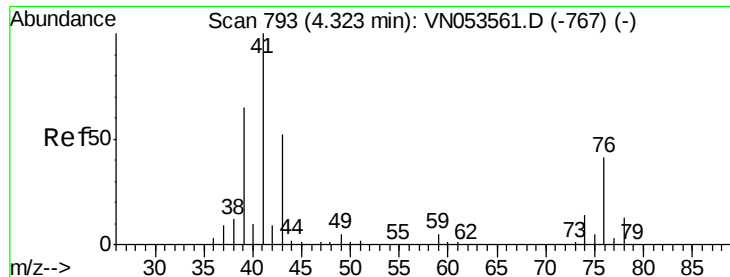
#16
Acetone
Concen: 16.808 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

Tgt Ion: 43 Resp: 34271
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

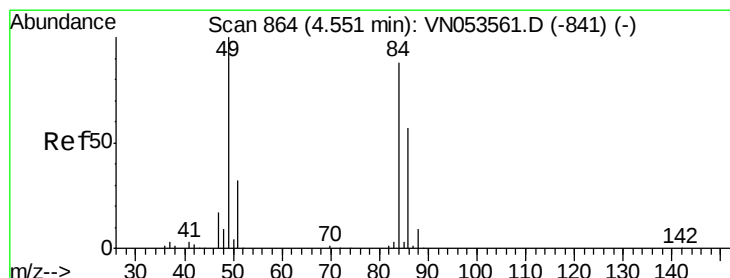
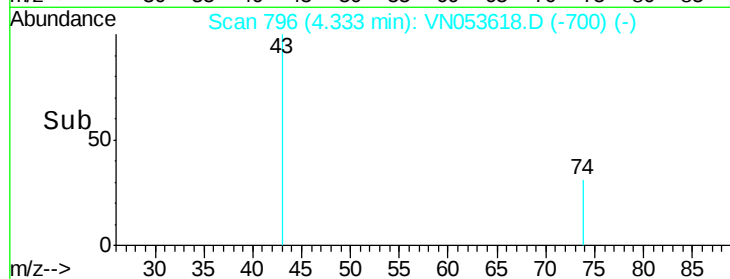
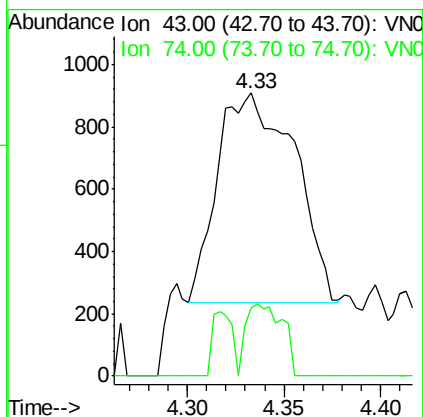
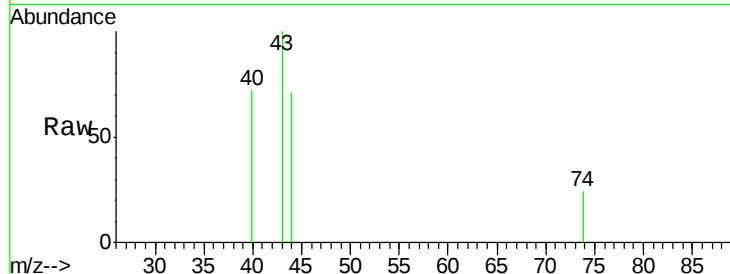




#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

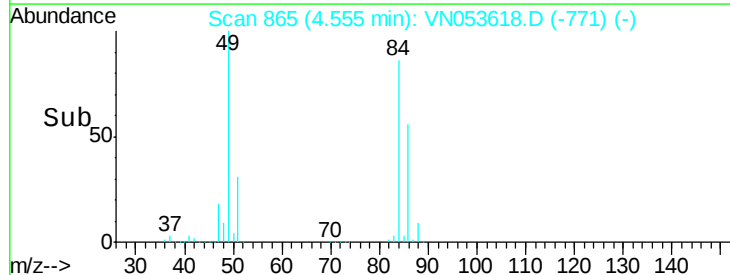
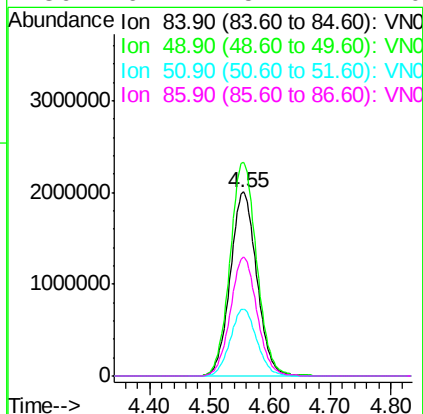
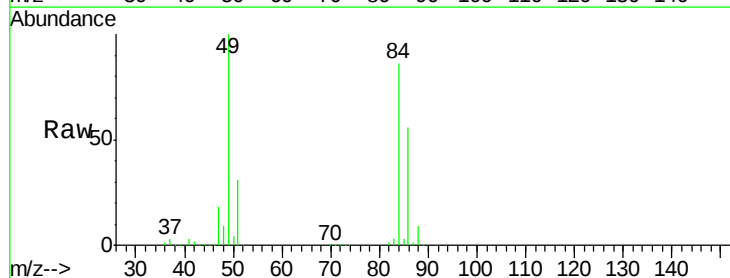
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-A

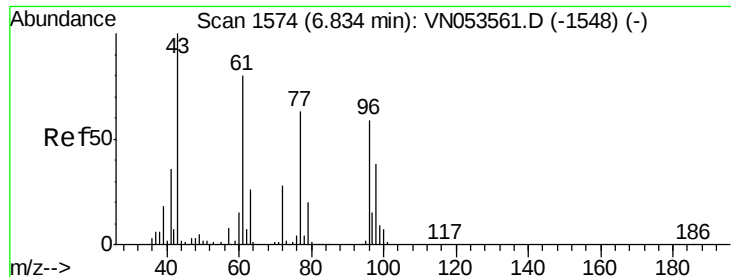
Tot Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
74 16.1 19.4 29.2#



#20
Methylene Chloride
Concen: 722.944 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

Tgt Ion: 84 Resp: 6184426
Ion Ratio Lower Upper
84 100
49 116.0 94.3 141.5
51 36.4 29.4 44.2
86 64.4 51.4 77.0

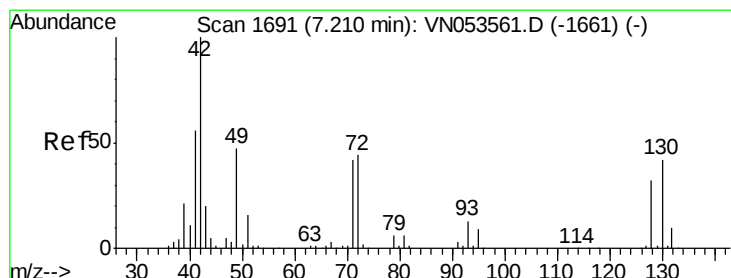
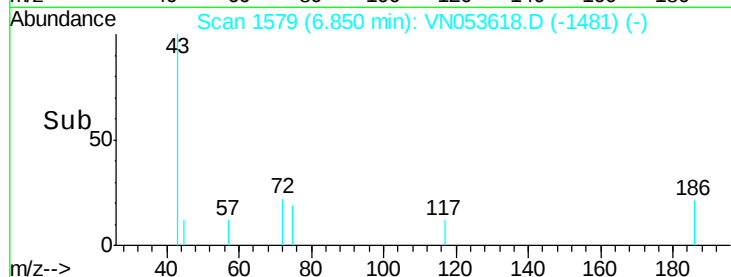
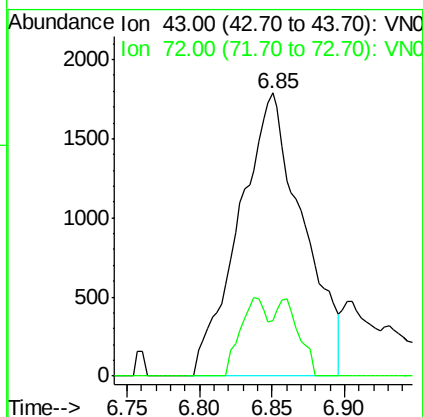
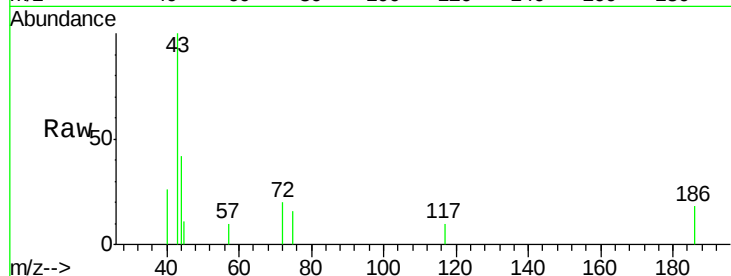




#25
 2-Butanone
 Concen: 1.877 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN053618.D
 Acq: 5 Feb 2019 14:29

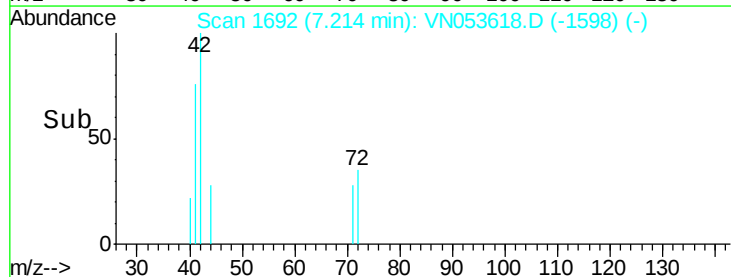
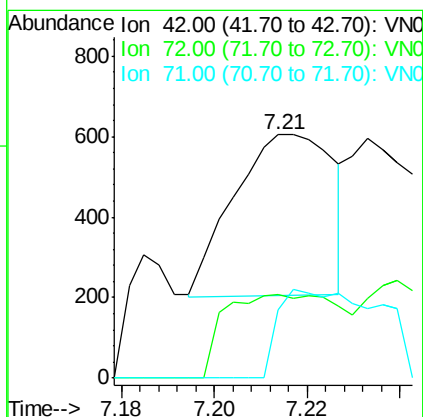
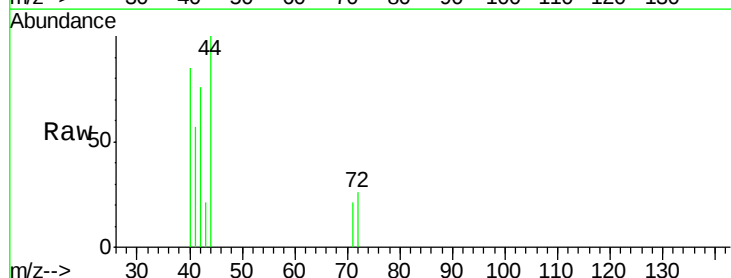
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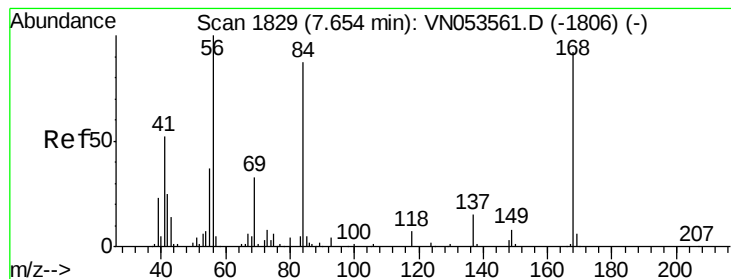
Tot Ion: 43 Resp: 5458
 Ion Ratio Lower Upper
 43 100
 72 19.6 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.318 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VN053618.D
 Acq: 5 Feb 2019 14:29

Tgt Ion: 42 Resp: 594
 Ion Ratio Lower Upper
 42 100
 72 61.4 35.2 52.8#
 71 56.2 33.0 49.4#





#31

Cyclohexane

Concen: 0.692 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

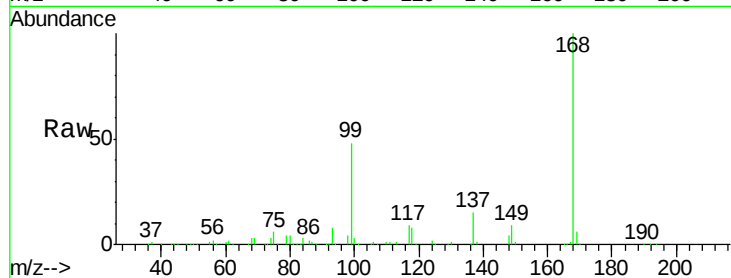
Tot Ion: 56 Resp: 11545

Ion Ratio Lower Upper

56 100

69 186.1 26.4 39.6#

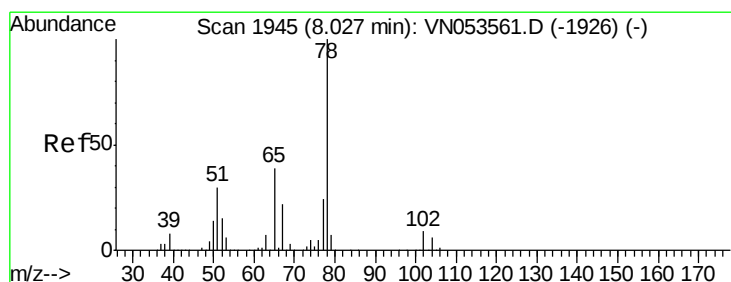
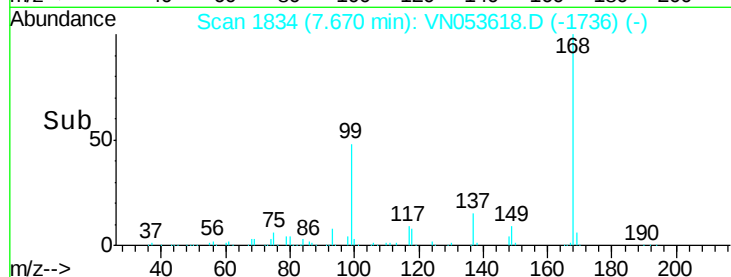
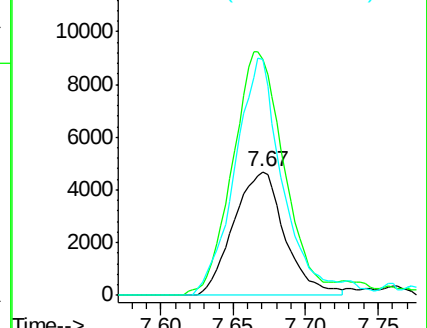
84 190.0 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053618.D

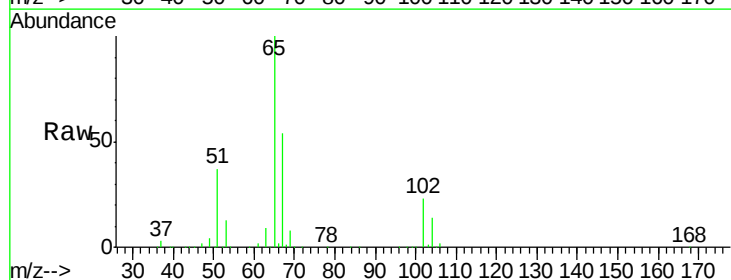
Acq: 5 Feb 2019 14:29

Tgt Ion: 65 Resp: 411429

Ion Ratio Lower Upper

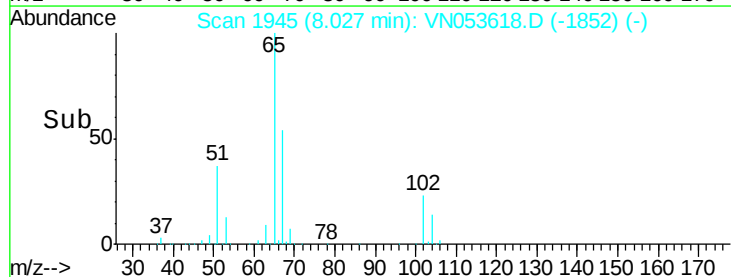
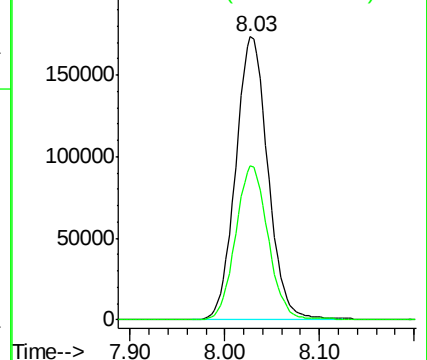
65 100

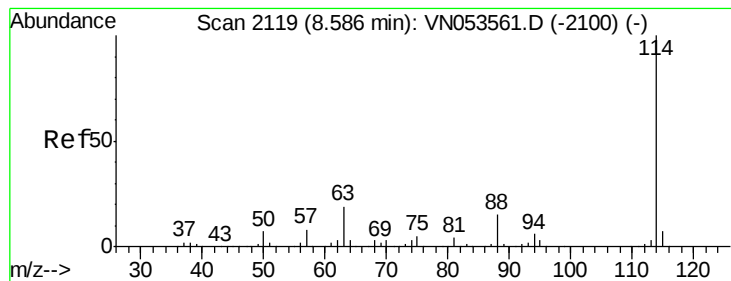
67 54.9 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

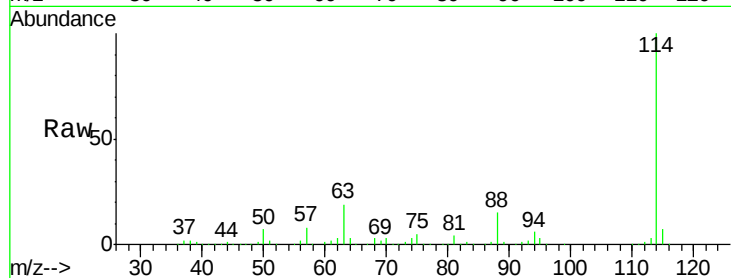
Tot Ion:114 Resp: 1294679

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

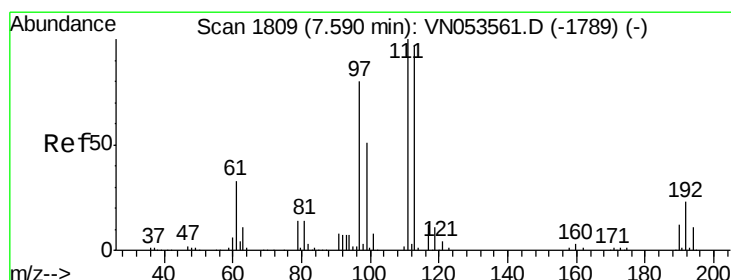
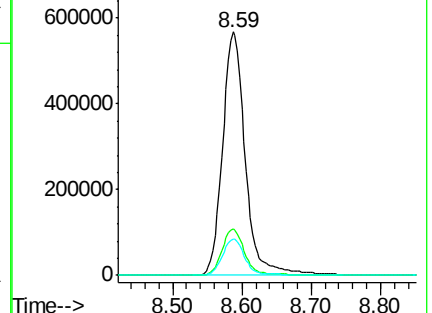
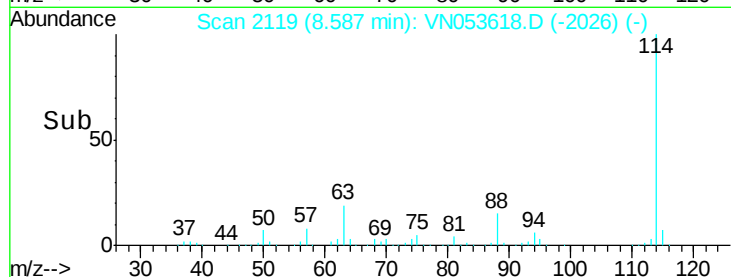
88 14.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

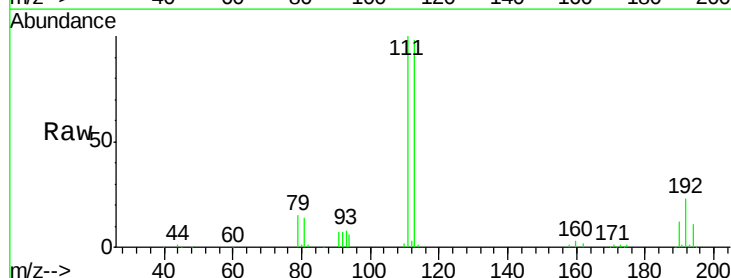
Tgt Ion:113 Resp: 405240

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

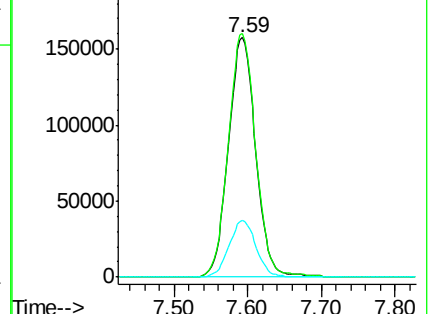
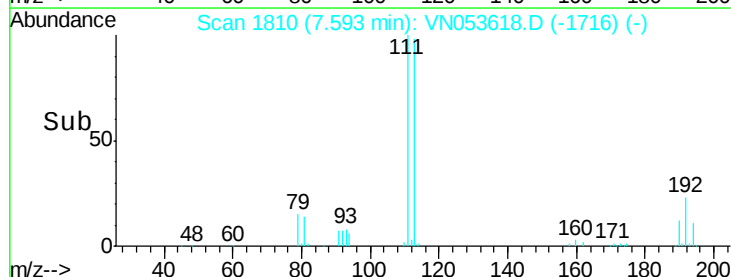
192 23.3 18.2 27.2

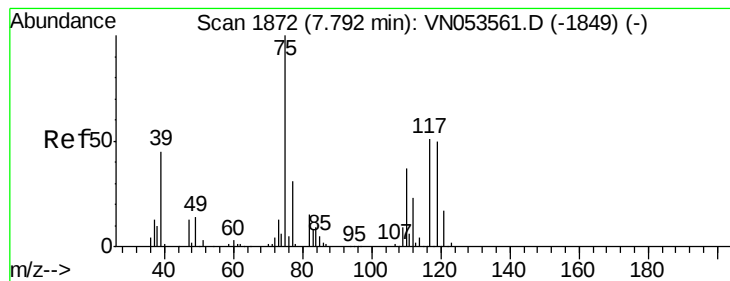


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.047 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

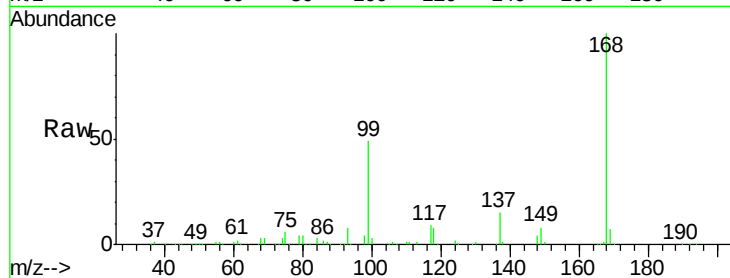
Tot Ion: 75 Resp: 47226

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.3#

77 0.0 25.1 37.7#

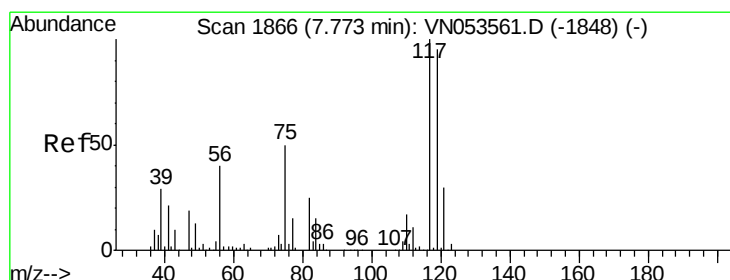
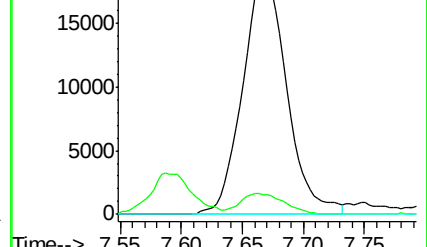
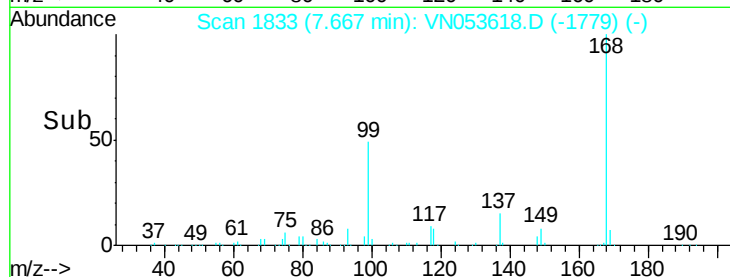


Abundance Ion 74.90 (74.60 to 75.60): VN053618.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053618.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053618.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.557 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

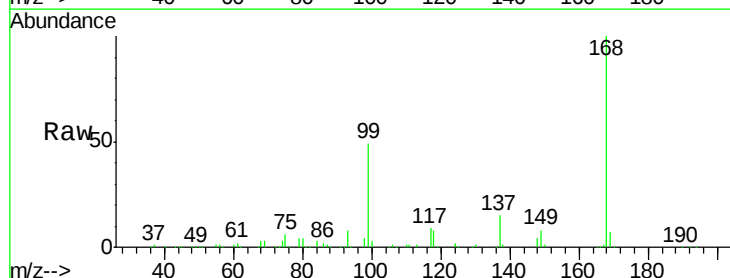
Tgt Ion: 117 Resp: 65330

Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

121 0.0 24.6 37.0#

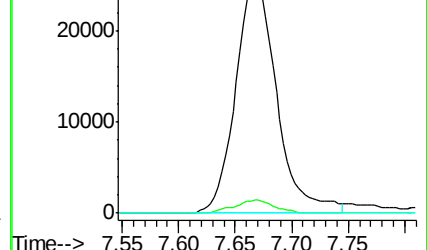
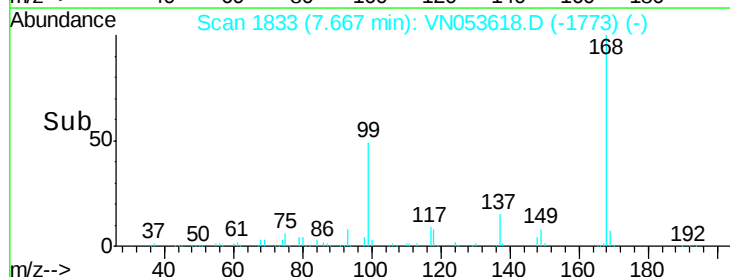


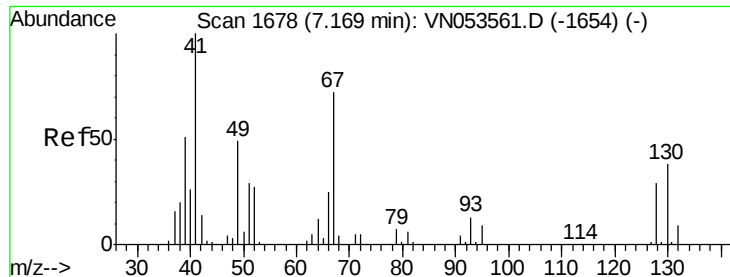
Abundance Ion 116.80 (116.50 to 117.50): VN053618.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053618.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053618.D (-1773) (-)

Time-->

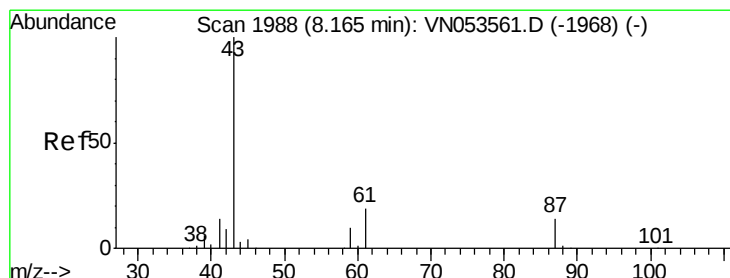
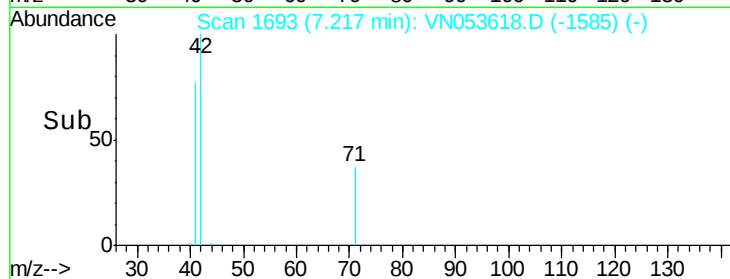
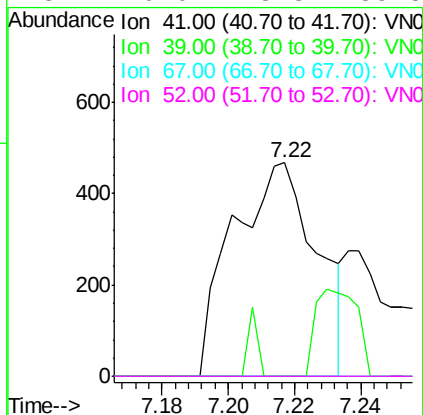
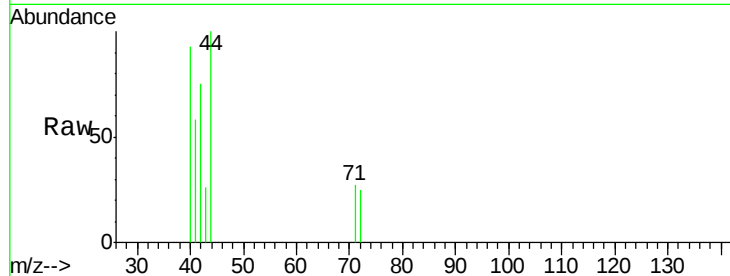




#41
Methacrylonitrile
Concen: 0.226 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

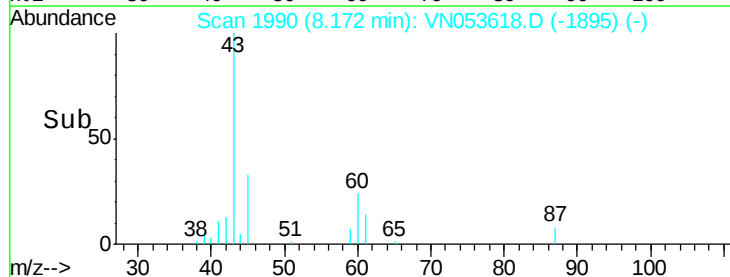
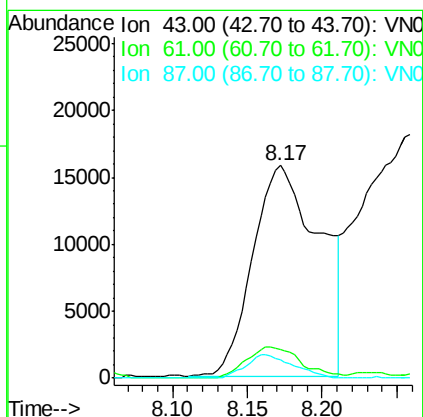
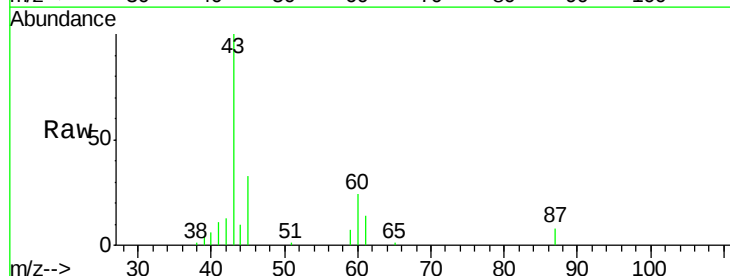
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-A

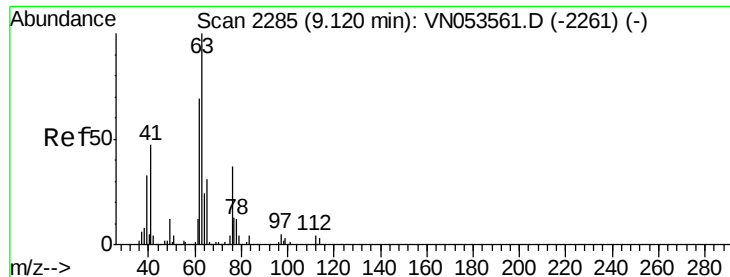
Tot Ion: 41 Resp: 822
Ion Ratio Lower Upper
41 100
39 3.5 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.848 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

Tgt Ion: 43 Resp: 48443
Ion Ratio Lower Upper
43 100
61 12.5 23.9 35.9#
87 7.9 11.0 16.6#





#45

1,2-Dichloropropane

Concen: 0.201 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

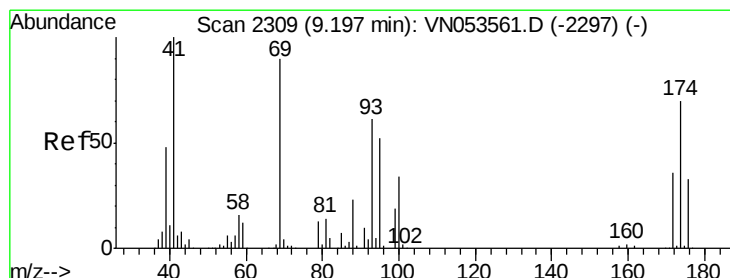
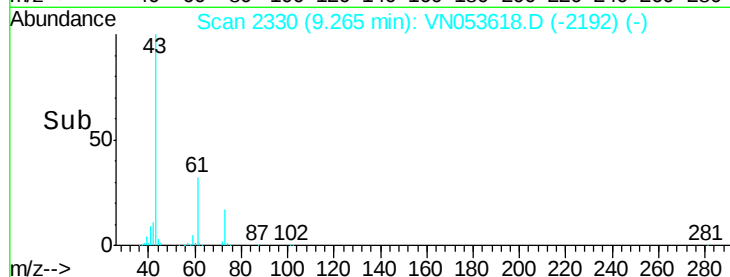
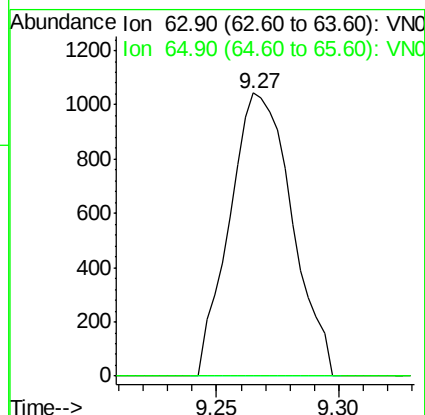
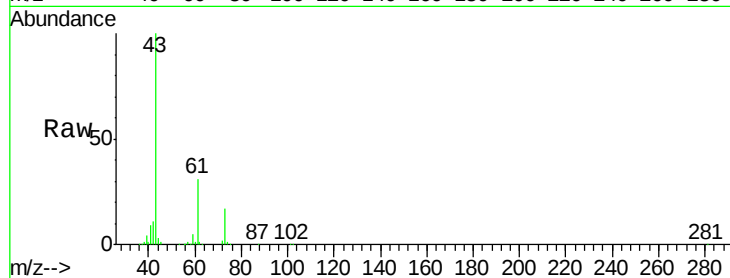
HR-05-020419-A

Tot Ion: 63 Resp: 1847

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 2.076 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

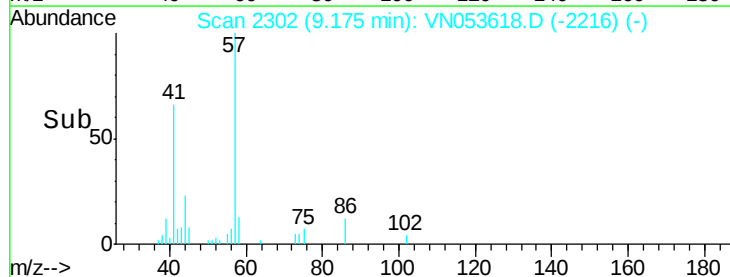
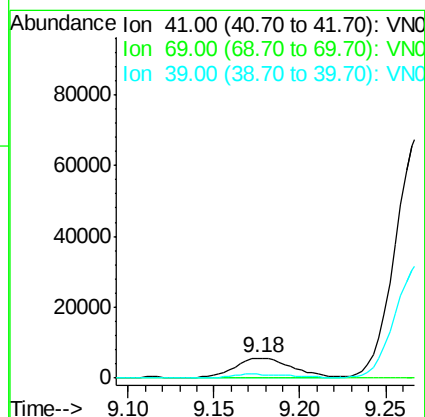
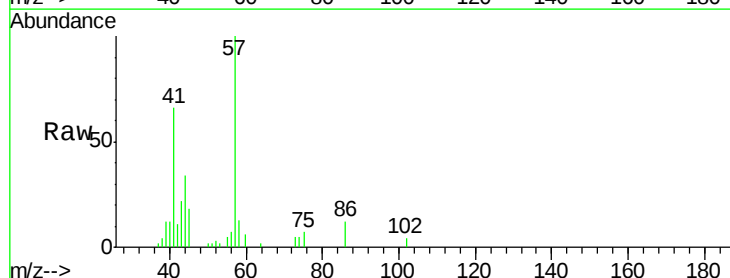
Tgt Ion: 41 Resp: 12472

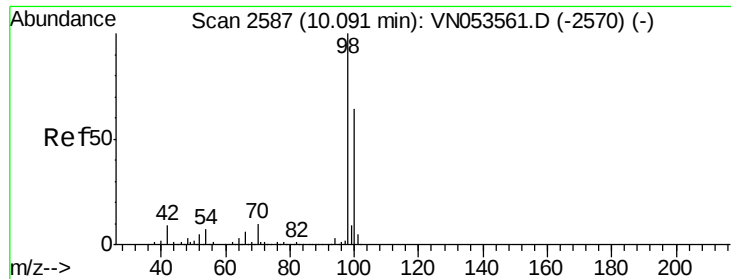
Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

39 22.2 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: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

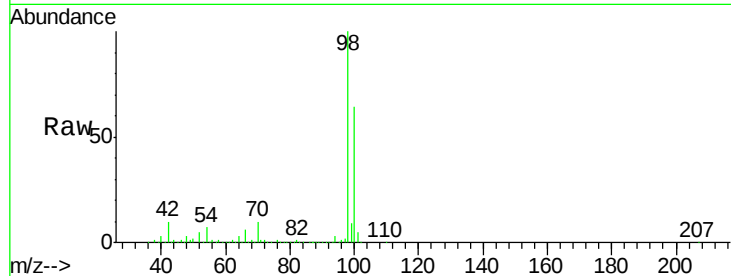
HR-05-020419-A

Tot Ion: 98 Resp: 1570730

Ion Ratio Lower Upper

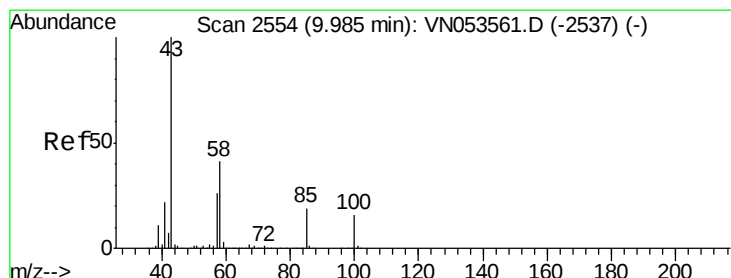
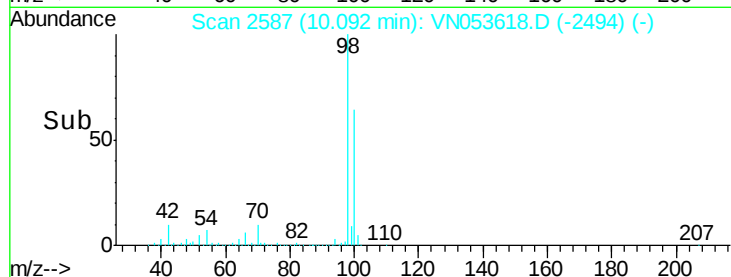
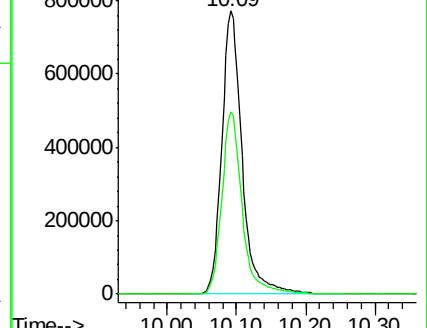
98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.533 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053618.D

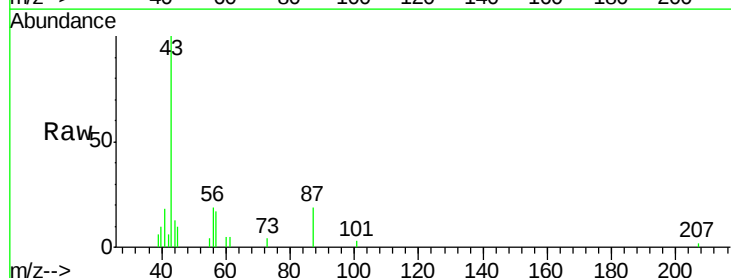
Acq: 5 Feb 2019 14:29

Tgt Ion: 43 Resp: 9482

Ion Ratio Lower Upper

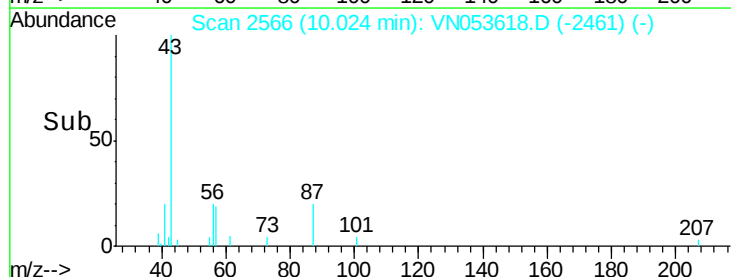
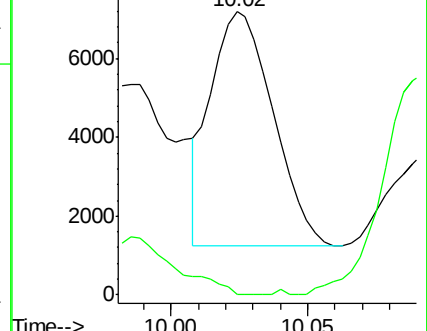
43 100

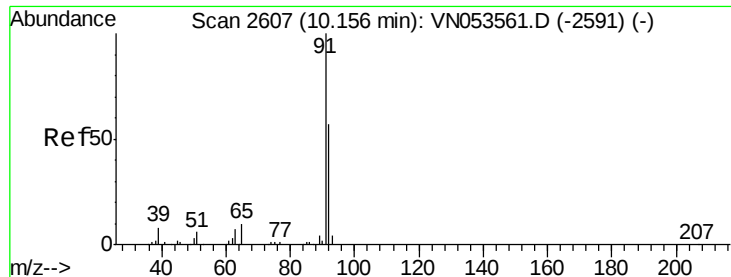
58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2537) (-)





#52

Toluene

Concen: 0.644 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

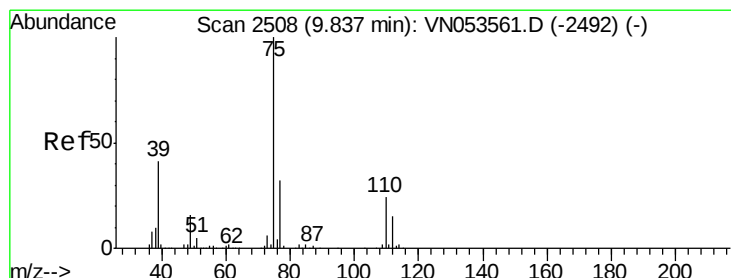
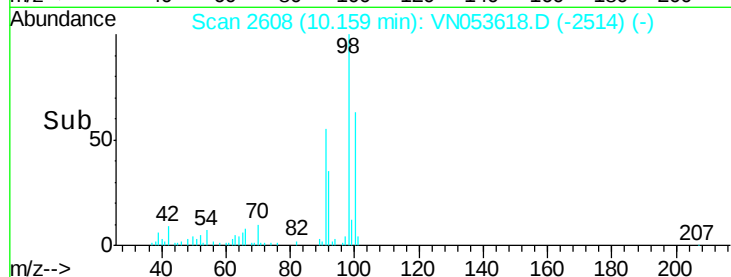
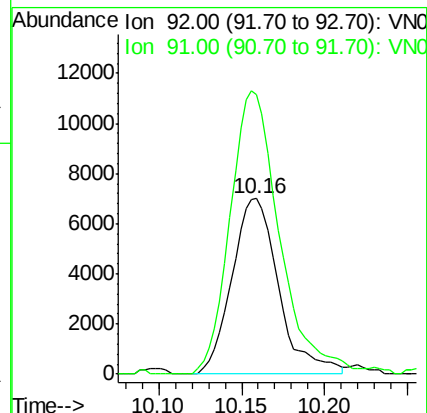
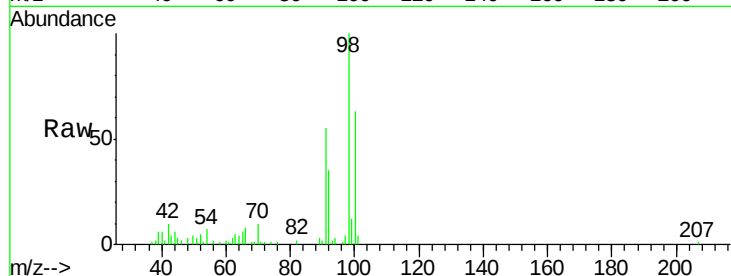
HR-05-020419-A

Tot Ion: 92 Resp: 13750

Ion Ratio Lower Upper

92 100

91 170.2 139.9 209.9



#54

cis-1,3-Dichloropropene

Concen: 5.948 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

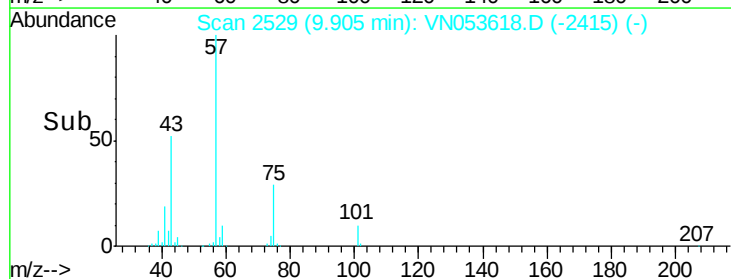
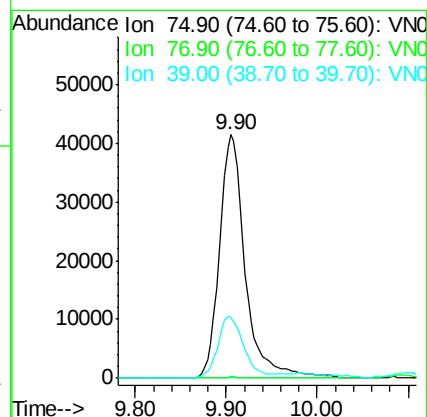
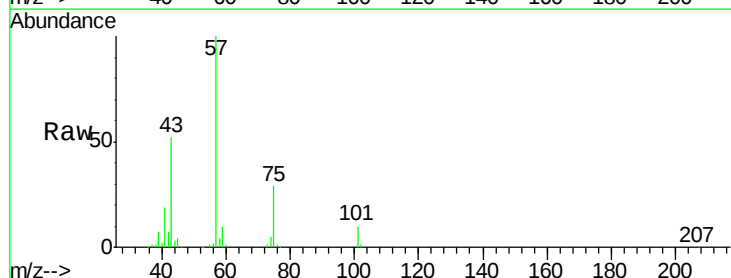
Tgt Ion: 75 Resp: 81434

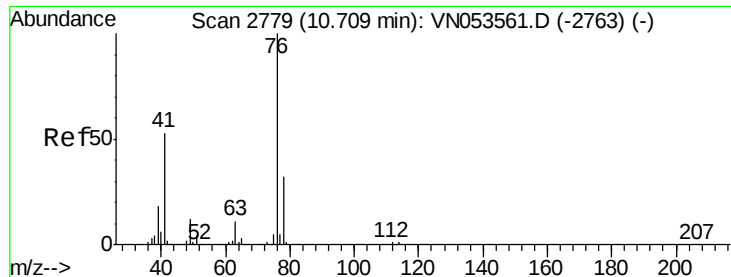
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.6#

39 25.1 33.4 50.0#

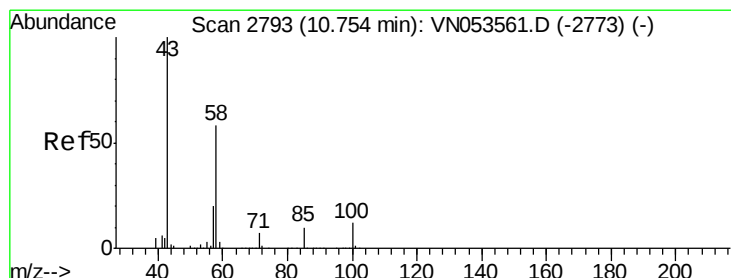
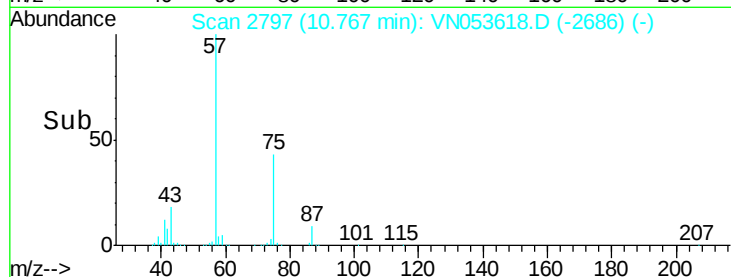
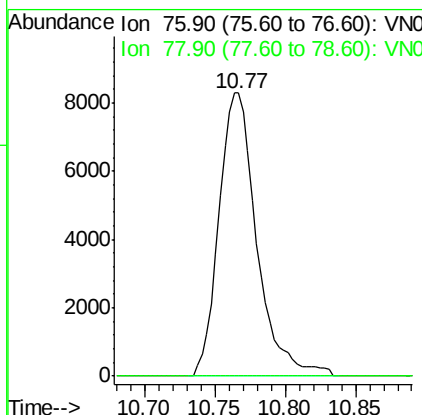
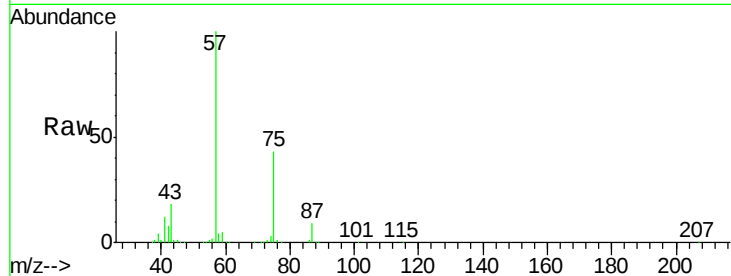




#57
 1,3-Dichloropropane
 Concen: 1.176 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN053618.D
 Acq: 5 Feb 2019 14:29

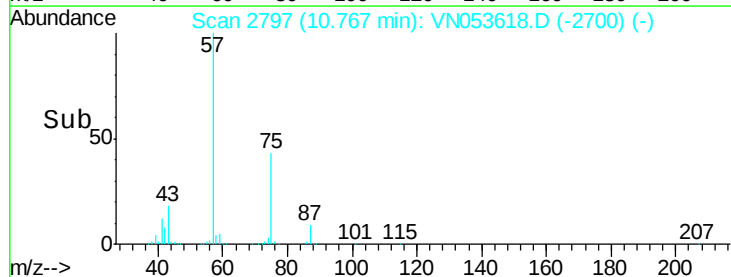
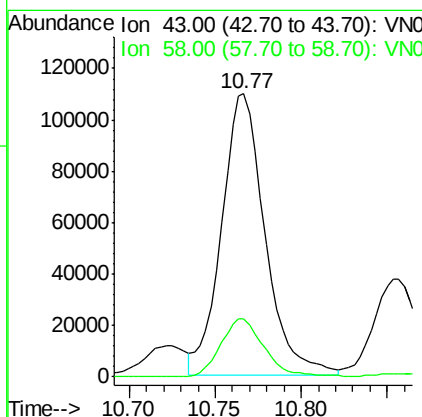
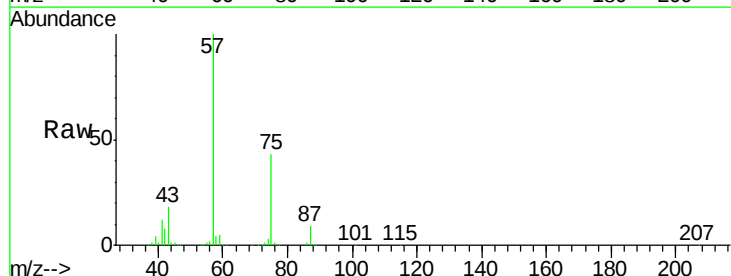
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-020419-A

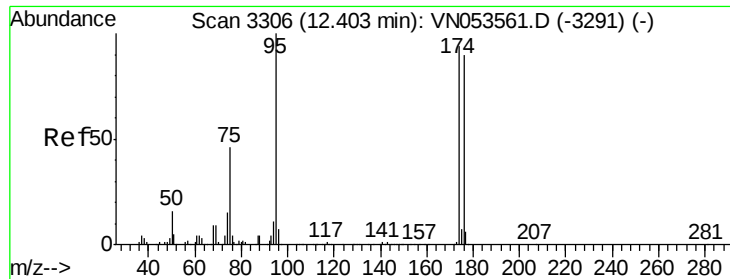
Tot Ion: 76 Resp: 15468
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 46.313 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN053618.D
 Acq: 5 Feb 2019 14:29

Tgt Ion: 43 Resp: 194485
 Ion Ratio Lower Upper
 43 100
 58 20.8 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: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

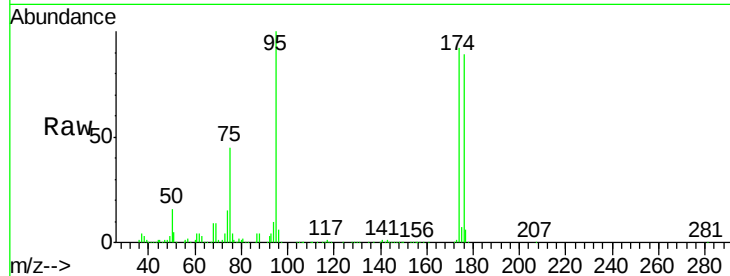
Tot Ion: 95 Resp: 527895

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.2

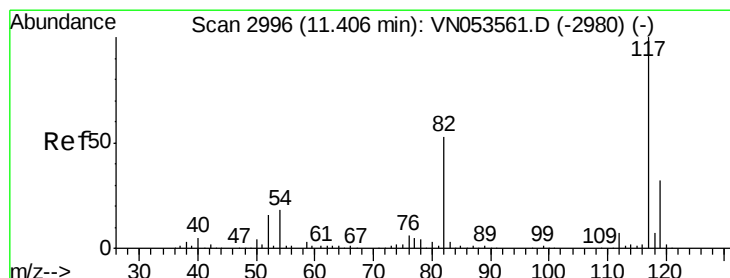
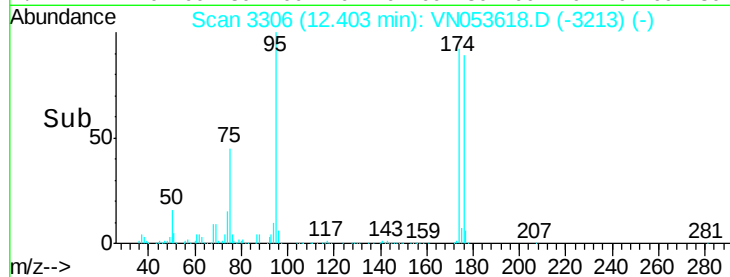
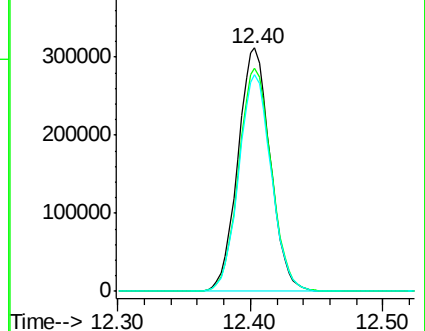
176 89.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053618.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053618.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053618.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

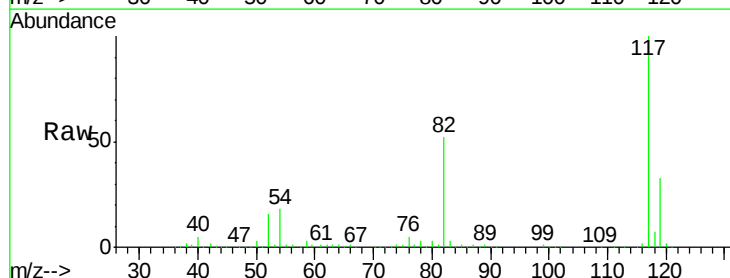
Tgt Ion: 117 Resp: 1178890

Ion Ratio Lower Upper

117 100

82 52.4 42.9 64.3

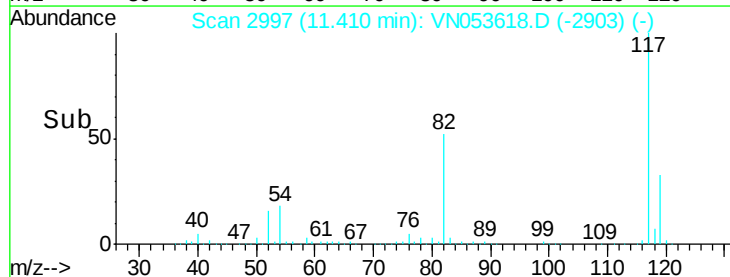
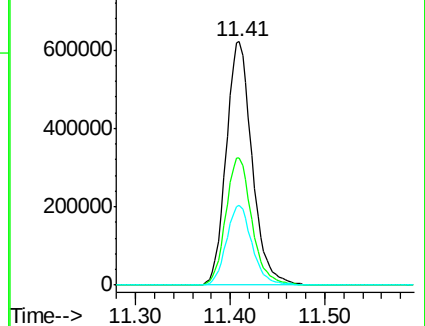
119 32.8 26.0 39.0

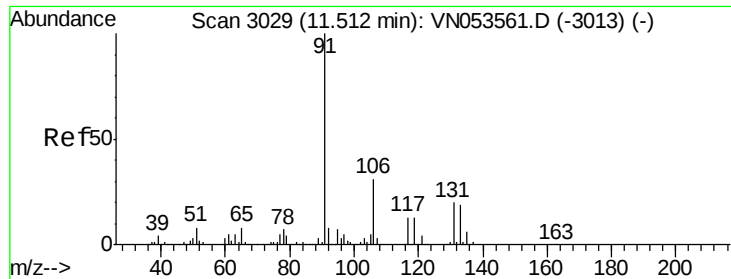


Abundance Ion 116.90 (116.60 to 117.60): VN053618.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053618.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053618.D (-2980) (-)

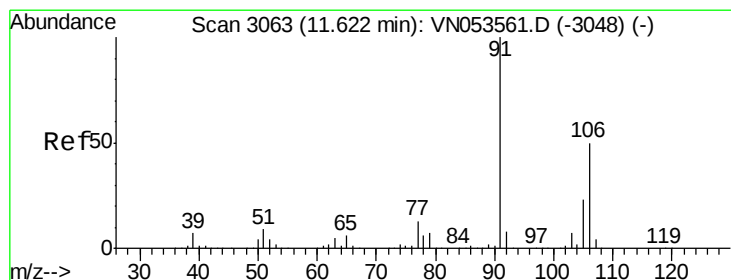
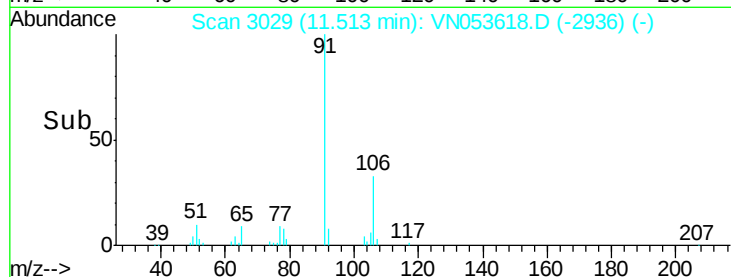
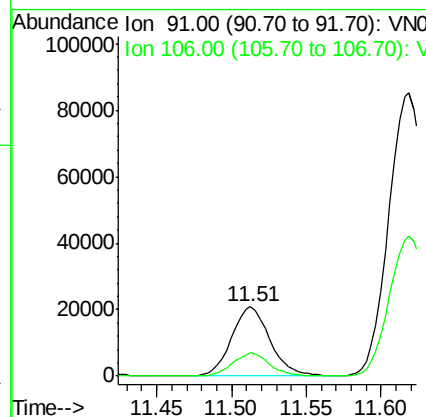
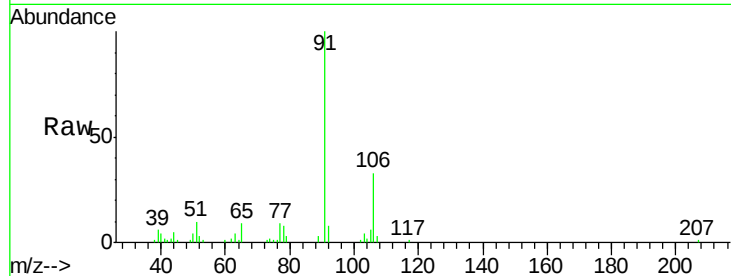




#67
Ethyl Benzene
Concen: 0.908 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

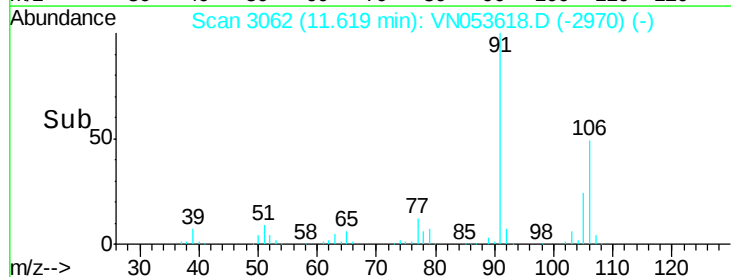
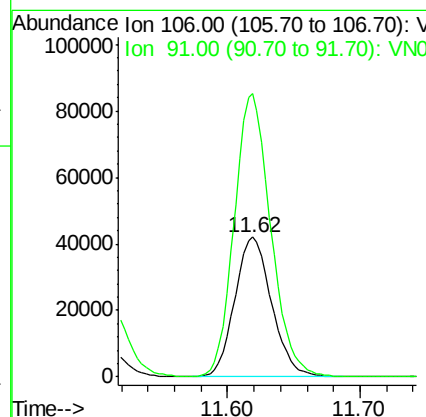
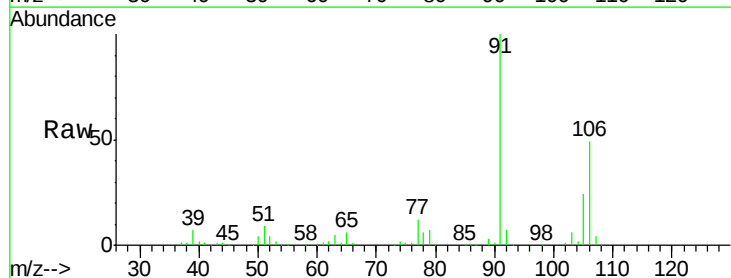
Instrument :
MSVOA_N
ClientSampleId :
HR-05-020419-A

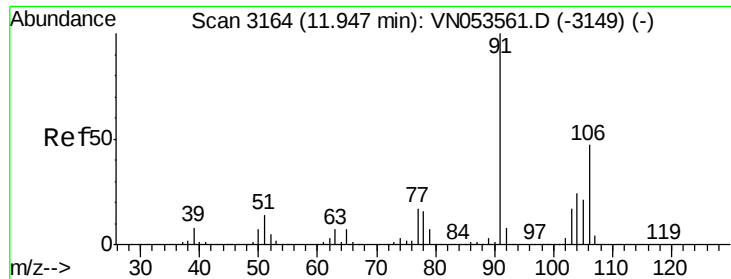
Tot Ion: 91 Resp: 37362
Ion Ratio Lower Upper
91 100
106 33.4 25.0 37.6



#68
m/p-Xylenes
Concen: 5.180 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

Tgt Ion: 106 Resp: 81324
Ion Ratio Lower Upper
106 100
91 200.1 161.4 242.2

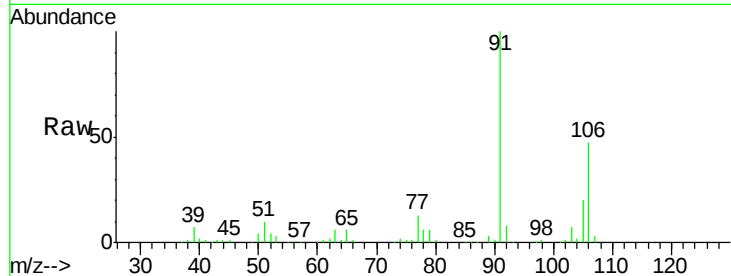




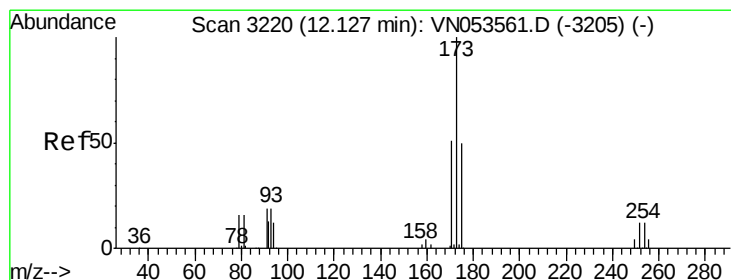
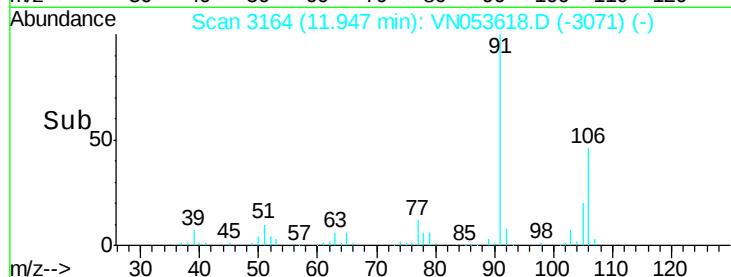
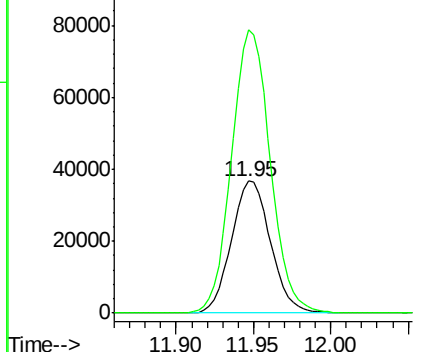
#69
o-Xylene
Concen: 4.237 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

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

Tot Ion:106 Resp: 64263
Ion Ratio Lower Upper
106 100
91 212.8 106.9 320.8

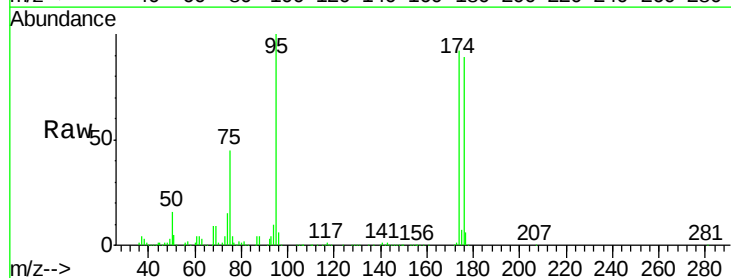


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

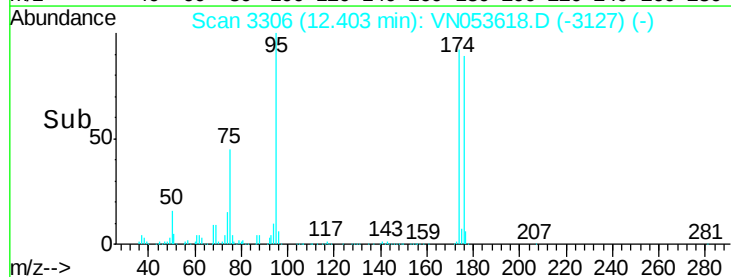
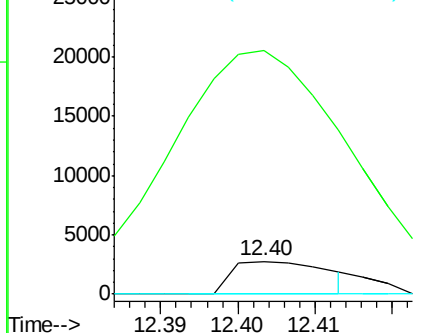


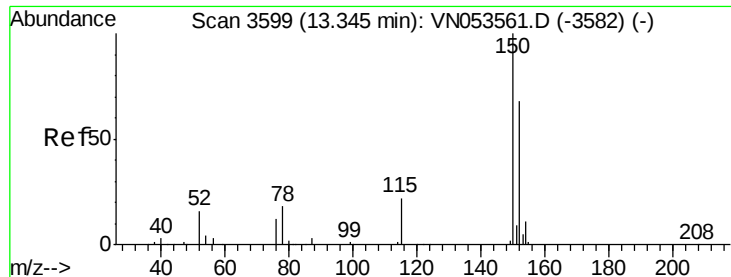
#71
Bromoform
Concen: 0.392 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053618.D
Acq: 5 Feb 2019 14:29

Tgt Ion:173 Resp: 2351
Ion Ratio Lower Upper
173 100
175 1258.9 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: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

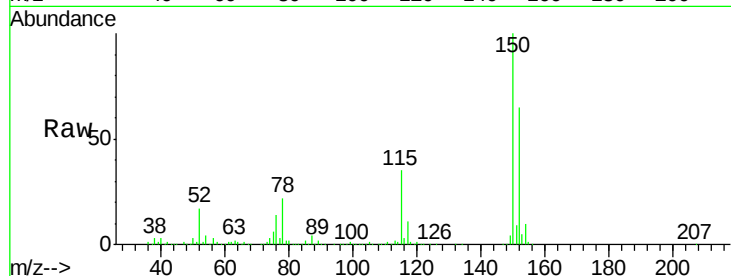
Tot Ion:152 Resp: 516673

Ion Ratio Lower Upper

152 100

115 57.8 27.8 83.4

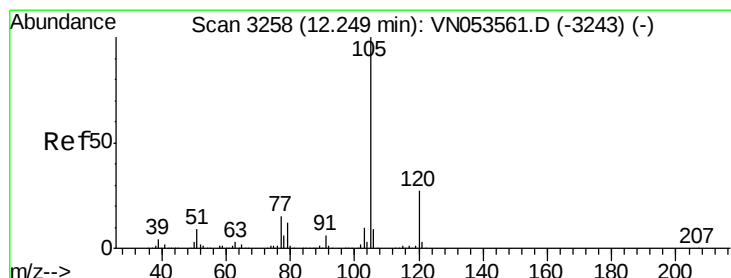
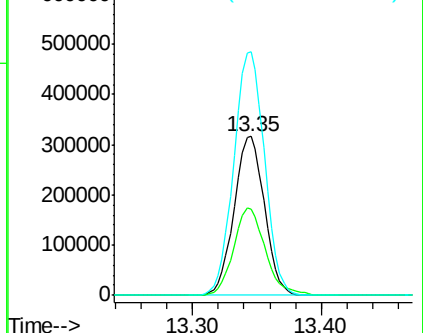
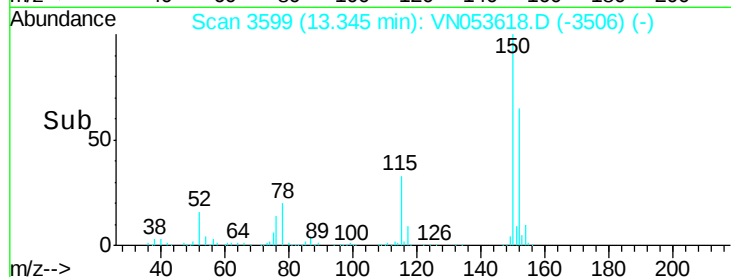
150 155.4 0.0 349.0



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: 0.683 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053618.D

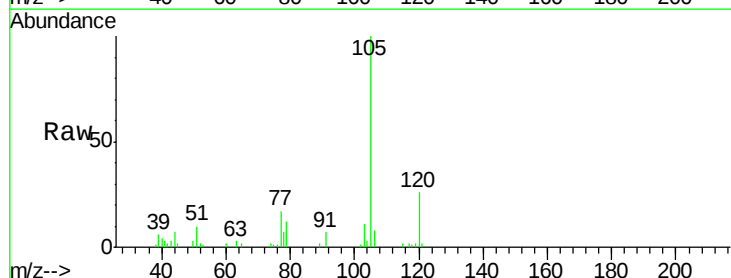
Acq: 5 Feb 2019 14:29

Tgt Ion:105 Resp: 24823

Ion Ratio Lower Upper

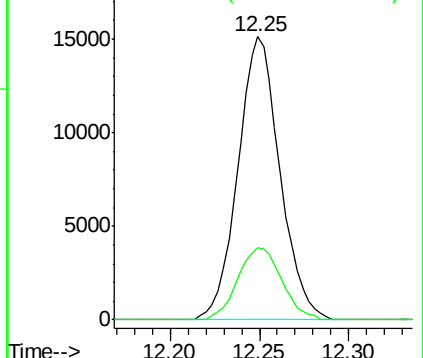
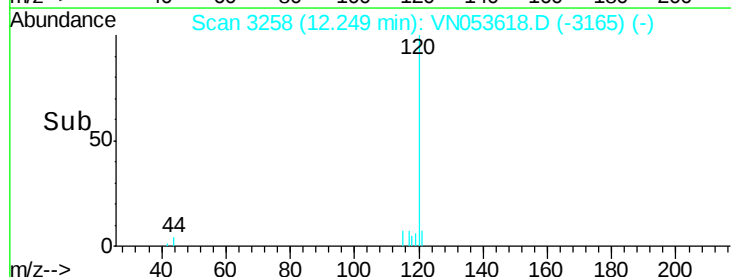
105 100

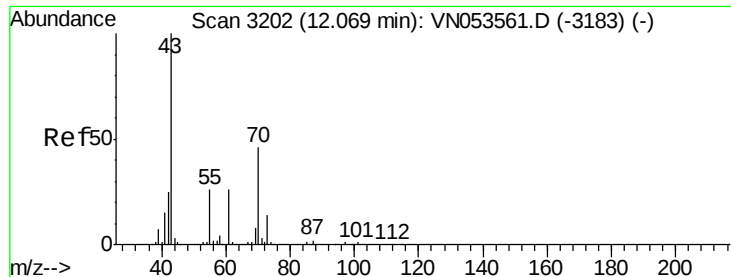
120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.225 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

Tot Ion: 43 Resp: 1968

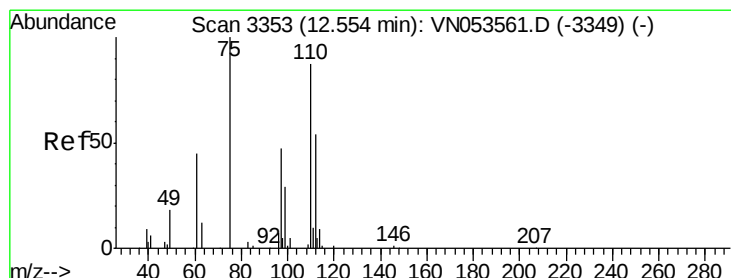
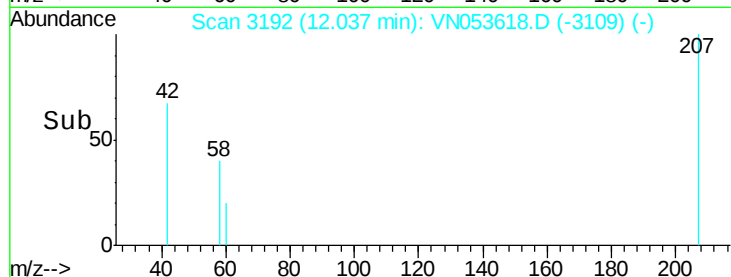
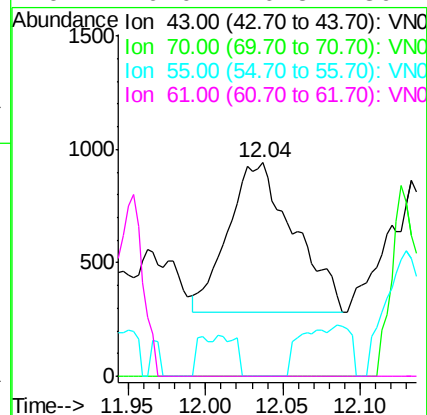
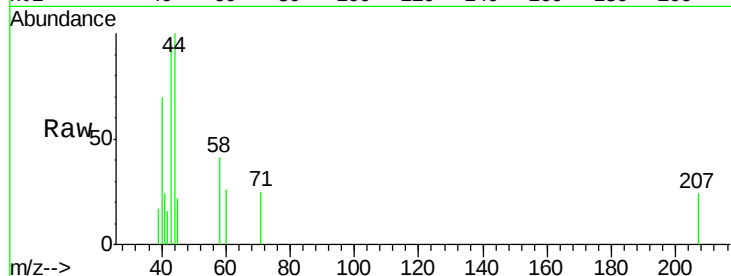
Ion Ratio Lower Upper

43 100

70 0.0 35.4 53.2#

55 0.0 20.9 31.3#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 36.229 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053618.D

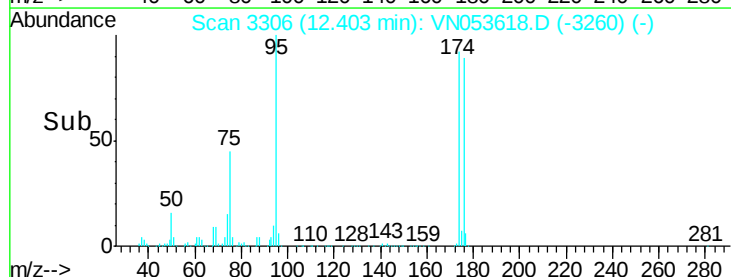
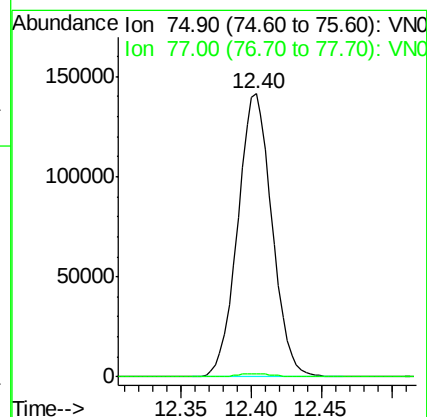
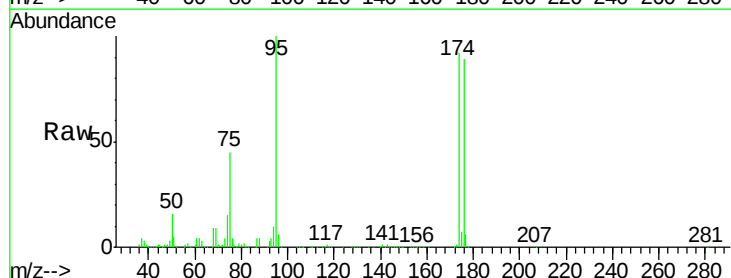
Acq: 5 Feb 2019 14:29

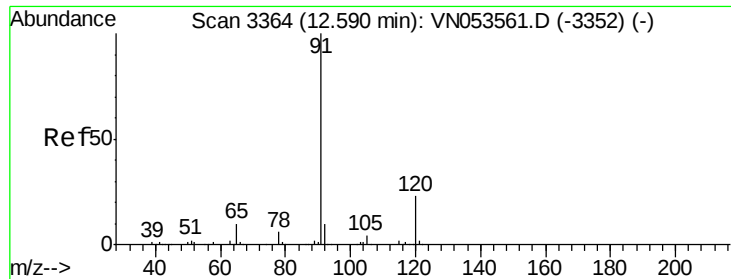
Tgt Ion: 75 Resp: 240425

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#78

n-propylbenzene

Concen: 1.472 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

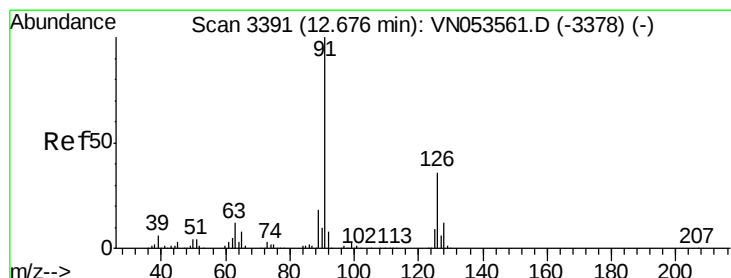
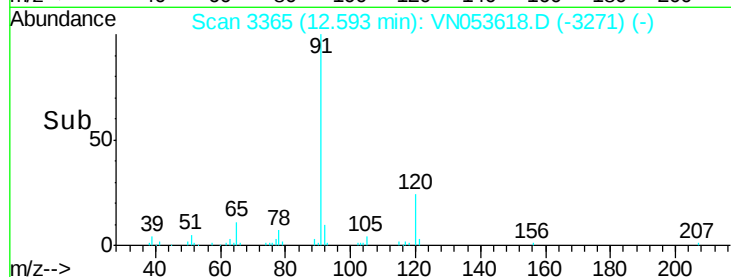
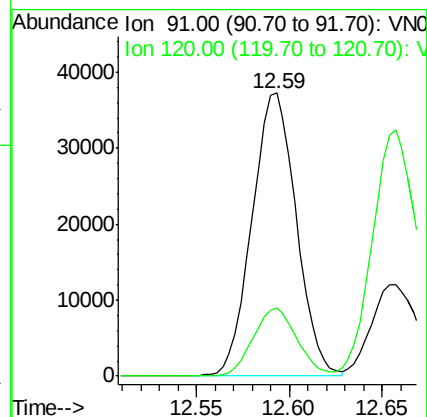
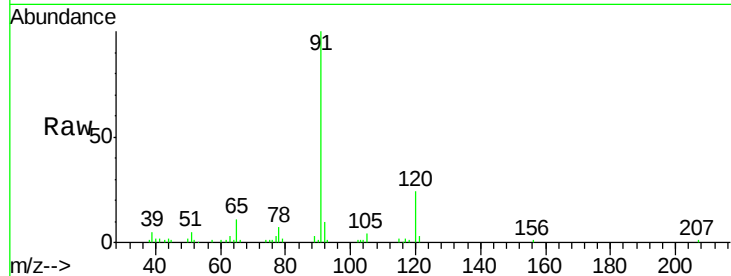
HR-05-020419-A

Tot Ion: 91 Resp: 61797

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5



#79

2-Chlorotoluene

Concen: 0.786 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053618.D

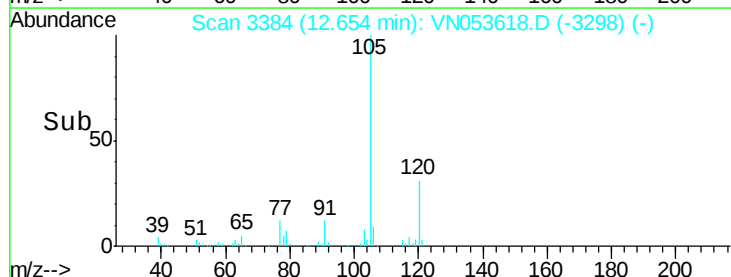
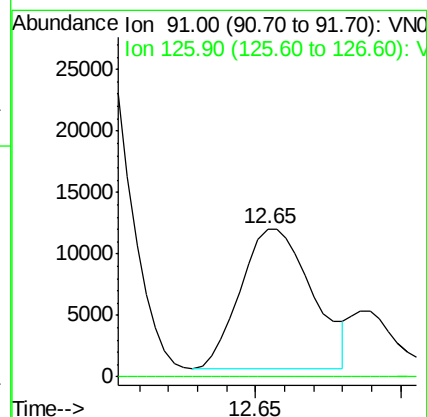
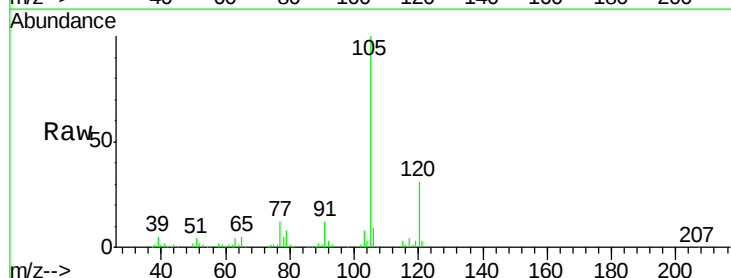
Acq: 5 Feb 2019 14:29

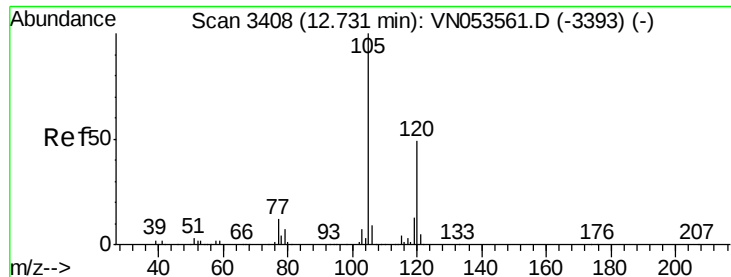
Tgt Ion: 91 Resp: 19581

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#





#80

1,3,5-Trimethylbenzene

Concen: 4.283 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

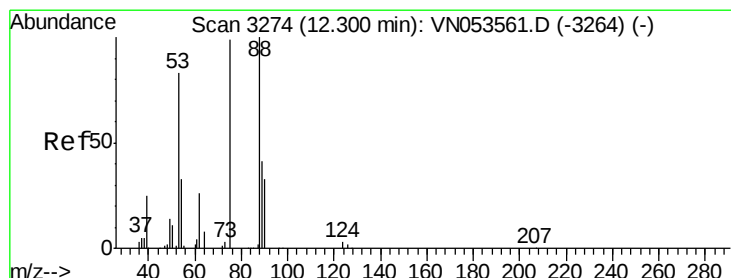
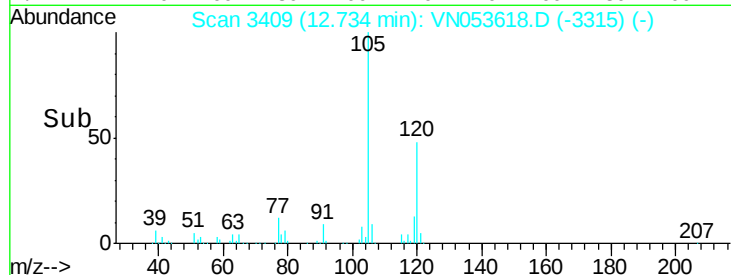
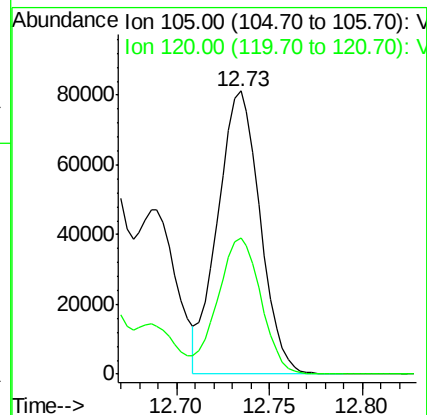
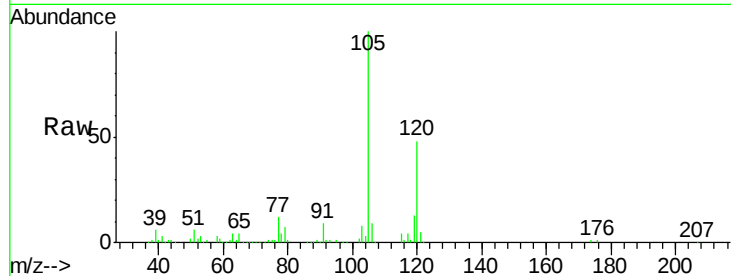
HR-05-020419-A

Tot Ion:105 Resp: 128997

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 101.872 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

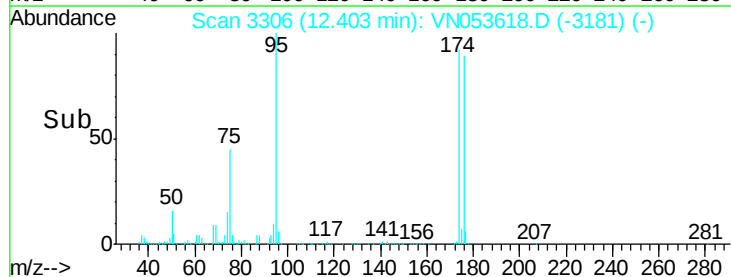
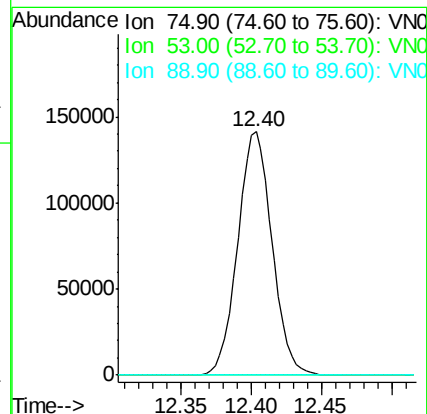
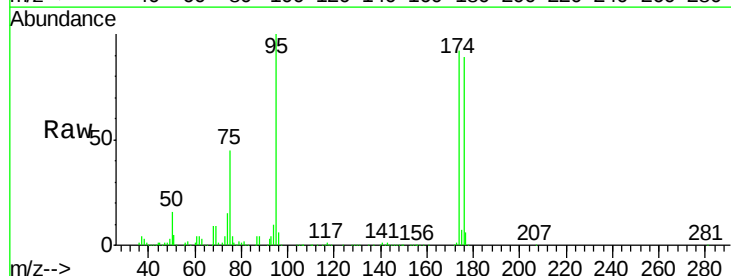
Tgt Ion: 75 Resp: 240425

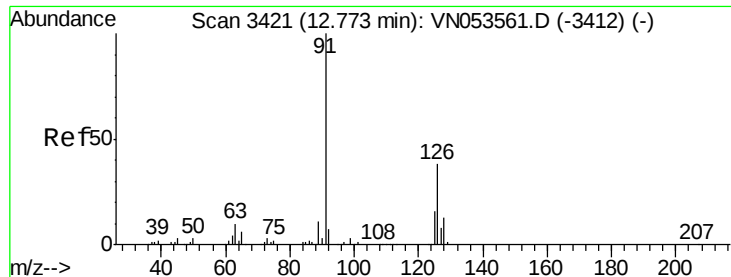
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#82

4-Chlorotoluene

Concen: 0.464 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

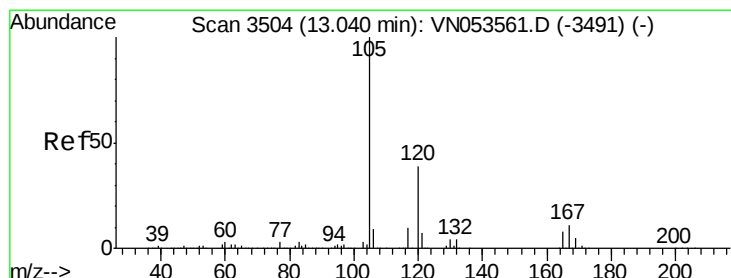
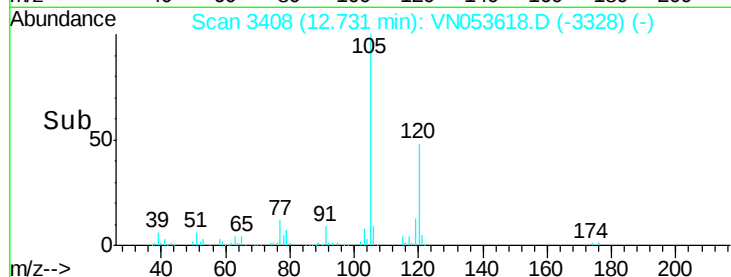
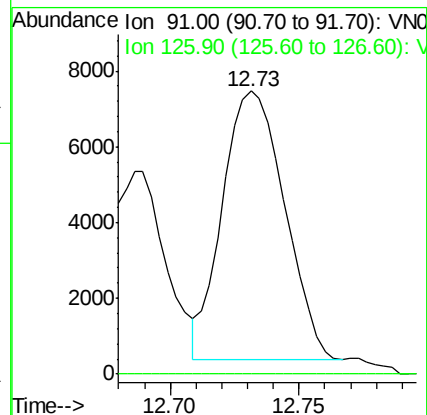
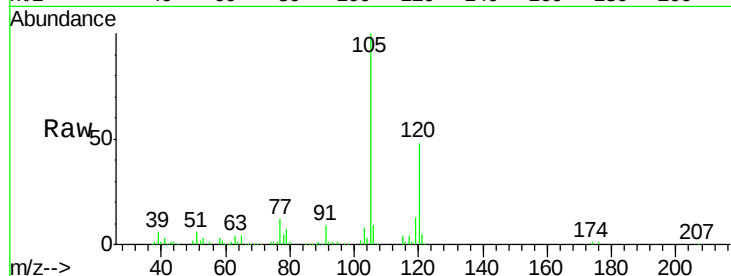
HR-05-020419-A

Tot Ion: 91 Resp: 11871

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



#84

1,2,4-Trimethylbenzene

Concen: 15.802 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053618.D

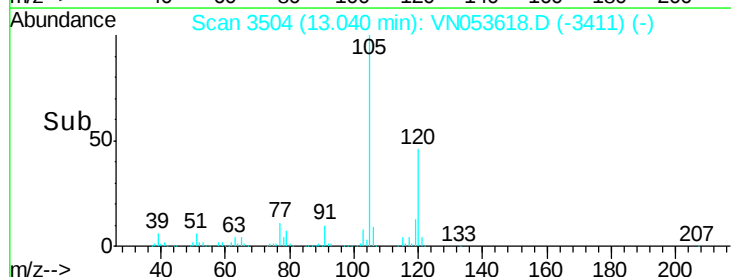
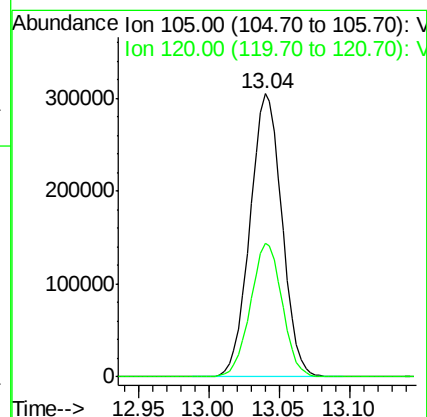
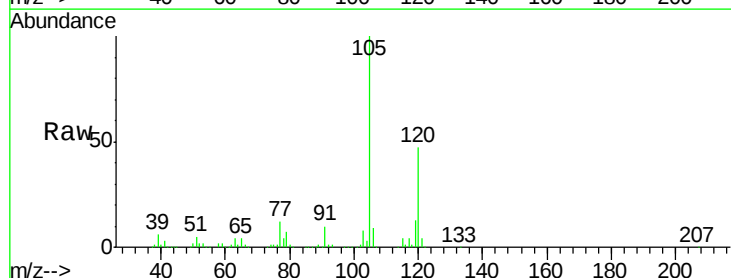
Acq: 5 Feb 2019 14:29

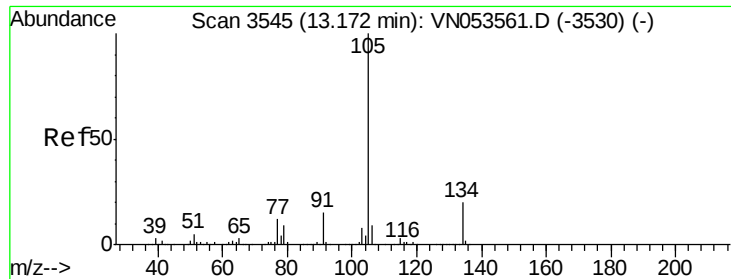
Tgt Ion: 105 Resp: 484914

Ion Ratio Lower Upper

105 100

120 46.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.771 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

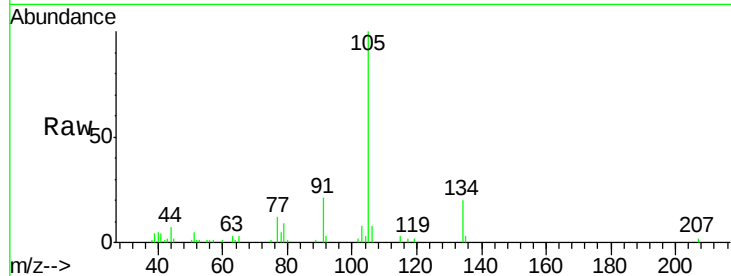
HR-05-020419-A

Tot Ion:105 Resp: 27914

Ion Ratio Lower Upper

105 100

134 25.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

15000

10000

5000

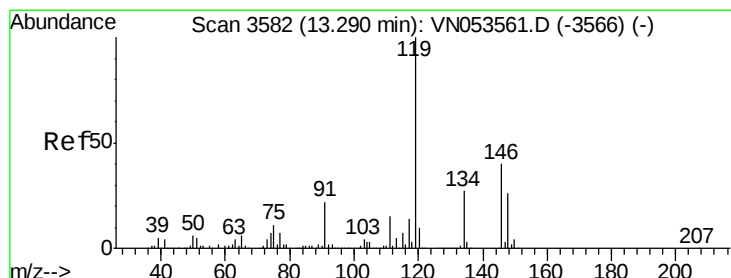
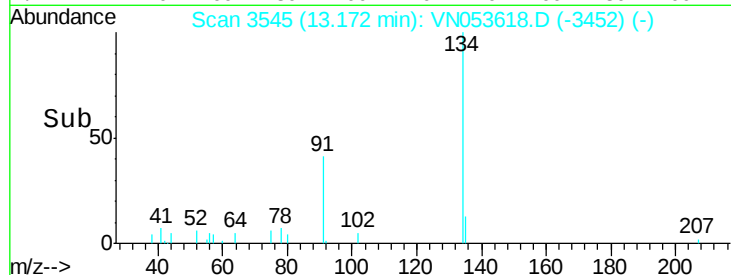
0

Time-->

13.10

13.15

13.20



#86

p-Isopropyltoluene

Concen: 0.853 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

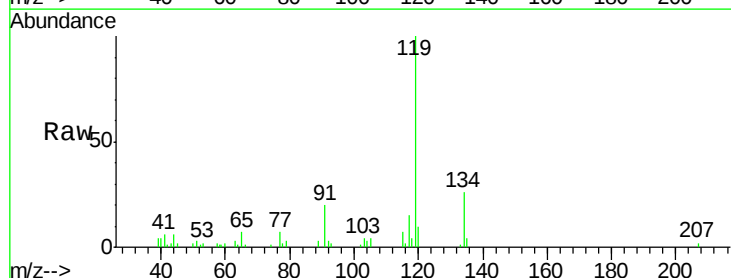
Tgt Ion:119 Resp: 27021

Ion Ratio Lower Upper

119 100

134 25.6 13.5 40.4

91 23.0 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

13.29

30000

20000

10000

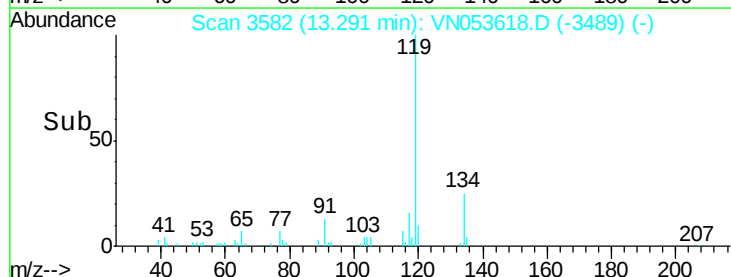
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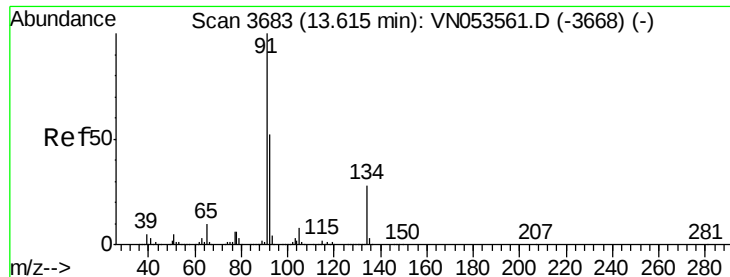
Time-->

13.25

13.30

13.35





#89

n-Butylbenzene

Concen: 0.850 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

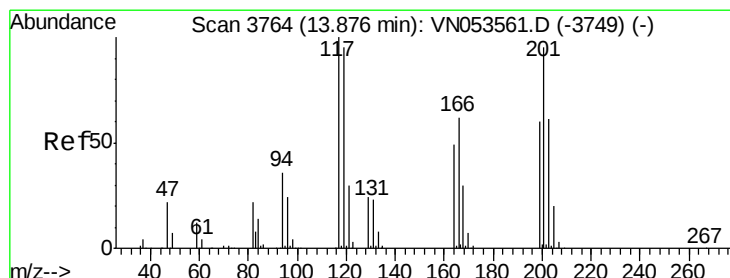
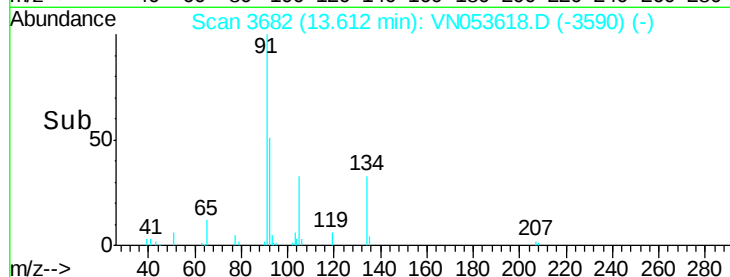
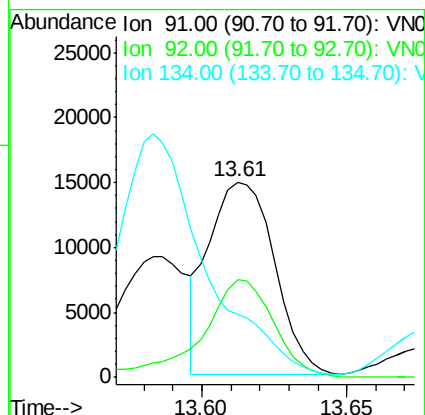
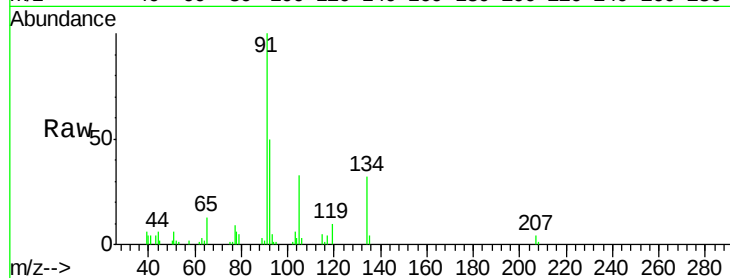
Tot Ion: 91 Resp: 23311

Ion Ratio Lower Upper

91 100

92 55.1 26.3 78.8

134 0.0 13.5 40.5#



#90

Hexachloroethane

Concen: 1.530 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053618.D

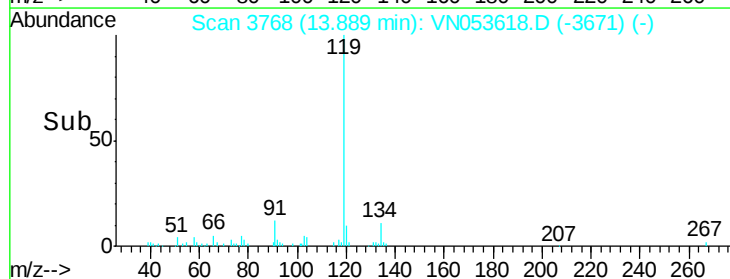
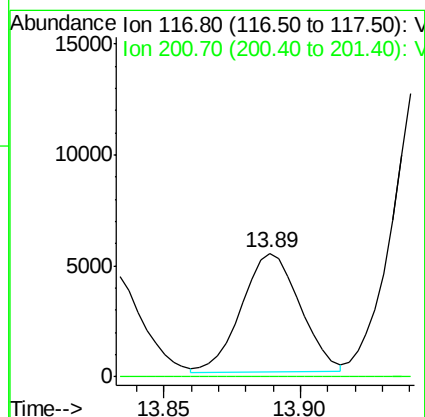
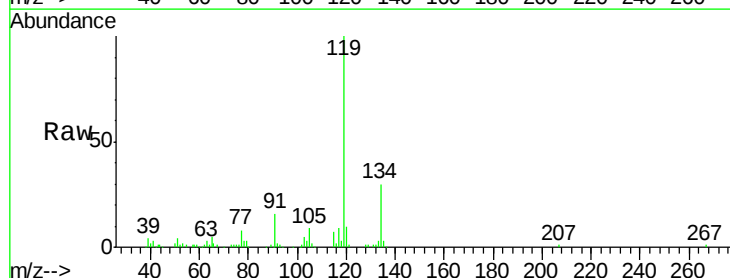
Acq: 5 Feb 2019 14:29

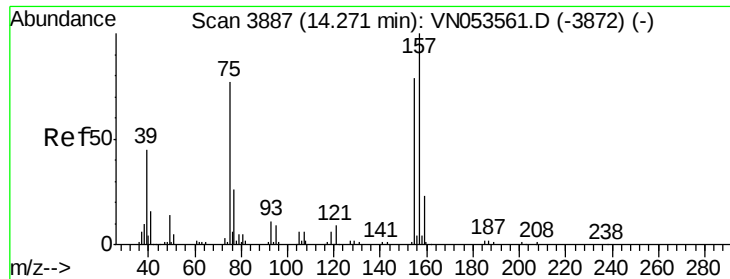
Tgt Ion: 117 Resp: 7997

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.679 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

HR-05-020419-A

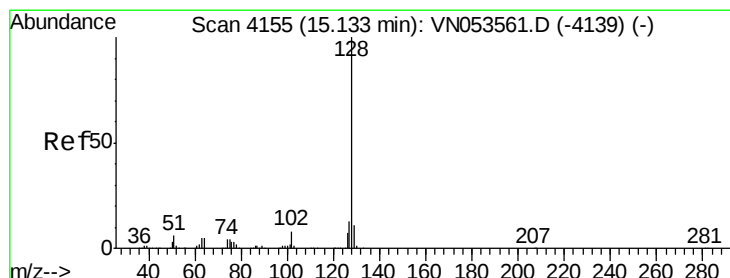
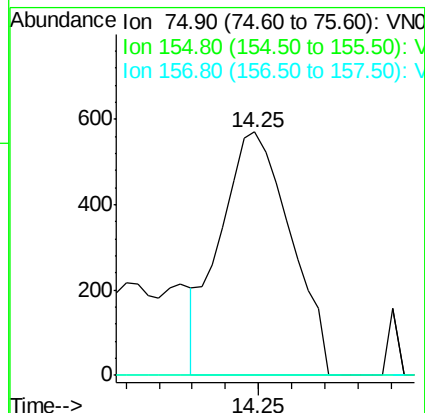
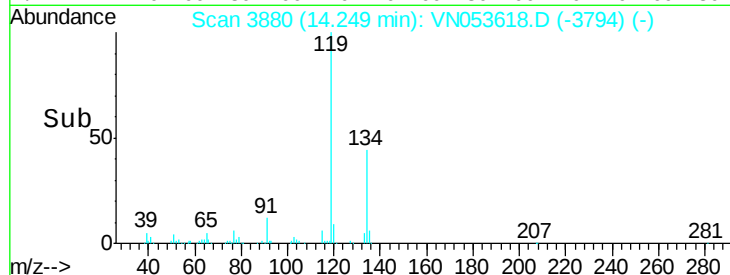
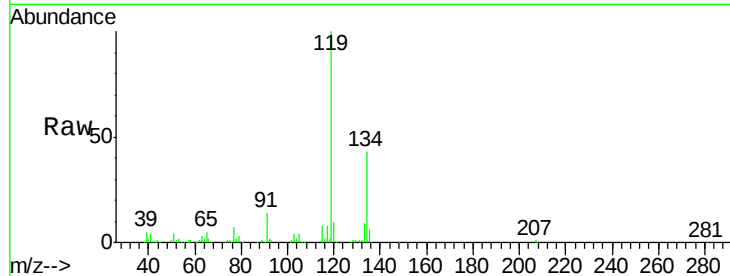
Tot Ion: 75 Resp: 841

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

157 0.0 63.7 191.3#



#95

Naphthalene

Concen: 8.551 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053618.D

Acq: 5 Feb 2019 14:29

Tgt Ion: 128 Resp: 160241

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.5 8.6 13.0

